# Astrodienst Ephemeris Tables

## from the year 1100 for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## JANUARY 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 3 35 | 16♑31'35 | 8♌43 | 28♑51 | 15♐ 8 | 18♎53 | 6°R46 | 29♎46 | 7°R36 | 7°R32 | 9♈47 | 13°R 7 | 11♐47 | 2♈53 | 26♈35 | S 1 |
| M 2 | 7 7 31 | 17°32'39 | 23° 2 | 0♒32 | 16°22 | 19°22 | 6♊41 | 29°49 | 7♉36 | 7♌30 | 9°47 | 13♐ 1 | 11°44 | 3° 0 | 26°35 | M 2 |
| T 3 | 7 11 28 | 18°33'42 | 7♍27 | 2°11 | 17°37 | 19°50 | 6°37 | 29°52 | 7°35 | 7°28 | 9°48 | 12°56 | 11°40 | 3° 6 | 26°35 | T 3 |
| W 4 | 7 15 24 | 19°34'45 | 21°51 | 3°50 | 18°51 | 20°18 | 6°32 | 29°55 | 7°35 | 7°27 | 9°48 | 12°52 | 11°37 | 3°13 | 26°35 | W 4 |
| T 5 | 7 19 21 | 20°35'47 | 6♎10 | 5°28 | 20° 5 | 20°46 | 6°28 | 29°58 | 7°35 | 7°25 | 9°49 | 12°49 | 11°34 | 3°20 | 26°35 | T 5 |
| F 6 | 7 23 17 | 21°36'48 | 20°21 | 7° 4 | 21°19 | 21°14 | 6°25 | 0♏ 1 | 7°34 | 7°24 | 9°49 | 12°D48 | 11°31 | 3°26 | 26°36 | F 6 |
| S 7 | 7 27 14 | 22°37'49 | 4♏23 | 8°39 | 22°33 | 21°42 | 6°21 | 0° 4 | 7°34 | 7°22 | 9°49 | 12°49 | 11°28 | 3°33 | 26°36 | S 7 |
| S 8 | 7 31 10 | 23°38'50 | 18°14 | 10°11 | 23°47 | 22° 9 | 6°17 | 0° 7 | 7°34 | 7°20 | 9°50 | 12°50 | 11°25 | 3°40 | 26°37 | S 8 |
| M 9 | 7 35 7 | 24°39'50 | 1♐54 | 11°40 | 25° 2 | 22°37 | 6°14 | 0° 9 | 7°34 | 7°19 | 9°50 | 12°51 | 11°21 | 3°47 | 26°37 | M 9 |
| T 10 | 7 39 4 | 25°40'49 | 15°23 | 13° 6 | 26°16 | 23° 4 | 6°11 | 0°11 | 7°D34 | 7°17 | 9°51 | 12°R52 | 11°18 | 3°53 | 26°38 | T 10 |
| W11 | 7 43 0 | 26°41'47 | 28°42 | 14°28 | 27°30 | 23°30 | 6° 8 | 0°14 | 7°34 | 7°16 | 9°51 | 12°51 | 11°15 | 4° 0 | 26°38 | W11 |
| T 12 | 7 46 57 | 27°42'44 | 11♑50 | 15°45 | 28°45 | 23°57 | 6° 6 | 0°16 | 7°34 | 7°14 | 9°52 | 12°47 | 11°12 | 4° 7 | 26°39 | T 12 |
| F 13 | 7 50 53 | 28°43'41 | 24°46 | 16°57 | 29°59 | 24°23 | 6° 3 | 0°18 | 7°34 | 7°12 | 9°52 | 12°41 | 11° 9 | 4°13 | 26°40 | F 13 |
| S 14 | 7 54 50 | 29°44'36 | 7♒29 | 18° 3 | 1♑13 | 24°50 | 6° 1 | 0°20 | 7°35 | 7°11 | 9°53 | 12°34 | 11° 5 | 4°20 | 26°41 | S 14 |
| S 15 | 7 58 46 | 0♒45'30 | 20° 0 | 19° 2 | 2°27 | 25°16 | 5°59 | 0°22 | 7°35 | 7° 9 | 9°54 | 12°24 | 11° 2 | 4°27 | 26°42 | S 15 |
| M16 | 8 2 43 | 1°46'22 | 2♓19 | 19°54 | 3°42 | 25°41 | 5°57 | 0°24 | 7°35 | 7° 7 | 9°54 | 12°15 | 10°59 | 4°34 | 26°42 | M16 |
| T 17 | 8 6 40 | 2°47'13 | 14°26 | 20°36 | 4°56 | 26° 7 | 5°55 | 0°26 | 7°36 | 7° 6 | 9°55 | 12° 5 | 10°56 | 4°40 | 26°43 | T 17 |
| W18 | 8 10 36 | 3°48'03 | 26°24 | 21°10 | 6°10 | 26°32 | 5°54 | 0°27 | 7°36 | 7° 4 | 9°56 | 11°57 | 10°53 | 4°47 | 26°45 | W18 |
| T 19 | 8 14 33 | 4°48'51 | 8♈17 | 21°34 | 7°25 | 26°57 | 5°52 | 0°29 | 7°36 | 7° 2 | 9°56 | 11°51 | 10°50 | 4°54 | 26°46 | T 19 |
| F 20 | 8 18 29 | 5°49'38 | 20° 7 | 21°47 | 8°39 | 27°21 | 5°51 | 0°30 | 7°37 | 7° 1 | 9°57 | 11°47 | 10°46 | 5° 0 | 26°47 | F 20 |
| S 21 | 8 22 26 | 6°50'23 | 1♉59 | 21°R50 | 9°53 | 27°46 | 5°50 | 0°32 | 7°37 | 6°59 | 9°58 | 11°D46 | 10°43 | 5° 7 | 26°48 | S 21 |
| S 22 | 8 26 22 | 7°51'06 | 14° 0 | 21°42 | 11° 8 | 28°10 | 5°50 | 0°33 | 7°38 | 6°57 | 9°58 | 11°46 | 10°40 | 5°14 | 26°49 | S 22 |
| M23 | 8 30 19 | 8°51'48 | 26°12 | 21°23 | 12°22 | 28°34 | 5°49 | 0°34 | 7°39 | 6°55 | 9°59 | 11°47 | 10°37 | 5°21 | 26°51 | M23 |
| T 24 | 8 34 15 | 9°52'28 | 8♊43 | 20°54 | 13°36 | 28°57 | 5°49 | 0°35 | 7°40 | 6°54 | 10° 0 | 11°R48 | 10°34 | 5°27 | 26°52 | T 24 |
| W25 | 8 38 12 | 10°53'07 | 21°37 | 20°15 | 14°51 | 29°20 | 5°D49 | 0°36 | 7°40 | 6°52 | 10° 1 | 11°47 | 10°31 | 5°34 | 26°54 | W25 |
| T 26 | 8 42 9 | 11°53'43 | 4♋55 | 19°27 | 16° 5 | 29°43 | 5°49 | 0°37 | 7°41 | 6°50 | 10° 1 | 11°45 | 10°27 | 5°41 | 26°55 | T 26 |
| F 27 | 8 46 5 | 12°54'18 | 18°41 | 18°32 | 17°19 | 0♏ 6 | 5°50 | 0°37 | 7°42 | 6°49 | 10° 2 | 11°40 | 10°24 | 5°47 | 26°57 | F 27 |
| S 28 | 8 50 2 | 13°54'52 | 2♌53 | 17°32 | 18°34 | 0°28 | 5°50 | 0°38 | 7°43 | 6°47 | 10° 3 | 11°32 | 10°21 | 5°54 | 26°58 | S 28 |
| S 29 | 8 53 58 | 14°55'23 | 17°26 | 16°27 | 19°48 | 0°51 | 5°51 | 0°39 | 7°44 | 6°45 | 10° 4 | 11°23 | 10°18 | 6° 1 | 27° 0 | S 29 |
| M30 | 8 57 55 | 15°55'53 | 2♍13 | 15°20 | 21° 2 | 1°12 | 5°52 | 0°39 | 7°45 | 6°44 | 10° 5 | 11°13 | 10°15 | 6° 8 | 27° 2 | M30 |
| T 31 | 9 1 51 | 16♒56'22 | 17♍ 6 | 14♒12 | 22♑17 | 1♏34 | 5♊53 | 0♏39 | 7♉46 | 6♌42 | 10♈ 6 | 11♐ 3 | 10♐11 | 6♈14 | 27♈ 4 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s32 | 14n 2 | 4s17 | 22s17 | 1s50 | 21s36 | 1n 8 | 5s38 | 1n57 | 21n 4 | 0s29 | 9s 9 | 2n27 | 13n45 | 0s23 | 18n38 | 0n10 | 11s50 | 17s 8 | 22s29 | 22s19 | 5n33 | 10n13 | 0s 5 | |
| M 2 | 22 24 | 9 18 | 4 52 | 21 51 | 1 46 | 21 46 | 1 5 | 5 48 | 1 57 | 21 3 | 0 29 | 9 10 | 2 27 | 13 45 | 0 23 | 18 39 | 0 10 | 11 50 | 17 8 | 22 28 | 22 18 | 5 36 | 10 13 | 0 5 | |
| T 3 | 22 16 | 4 2 | 5 10 | 21 24 | 1 40 | 21 56 | 1 3 | 5 59 | 1 57 | 21 3 | 0 29 | 9 11 | 2 27 | 13 45 | 0 23 | 18 39 | 0 10 | 11 49 | 17 7 | 22 28 | 22 18 | 5 38 | 10 13 | 0 5 | |
| W 4 | 22 7 | 1s27 | 5 7 | 20 55 | 1 34 | 22 5 | 1 0 | 6 9 | 1 58 | 21 2 | 0 28 | 9 12 | 2 28 | 13 45 | 0 23 | 18 39 | 0 10 | 11 49 | 17 7 | 22 27 | 22 17 | 5 40 | 10 13 | 0 5 | |
| T 5 | 21 58 | 6 50 | 4 46 | 20 24 | 1 28 | 22 14 | 0 57 | 6 20 | 1 58 | 21 2 | 0 28 | 9 13 | 2 28 | 13 45 | 0 23 | 18 40 | 0 10 | 11 48 | 17 7 | 22 27 | 22 17 | 5 43 | 10 13 | 0 5 | |
| F 6 | 21 49 | 11 48 | 4 7 | 19 53 | 1 20 | 22 22 | 0 54 | 6 30 | 1 58 | 21 2 | 0 28 | 9 13 | 2 28 | 13 45 | 0 23 | 18 40 | 0 10 | 11 48 | 17 6 | 22 27 | 22 16 | 5 45 | 10 13 | 0 5 | |
| S 7 | 21 39 | 16 5 | 3 14 | 19 20 | 1 11 | 22 29 | 0 52 | 6 40 | 1 59 | 21 1 | 0 28 | 9 14 | 2 28 | 13 45 | 0 23 | 18 41 | 0 10 | 11 47 | 17 6 | 22 27 | 22 16 | 5 47 | 10 14 | 0 5 | |
| S 8 | 21 28 | 19 25 | 2 10 | 18 46 | 1 2 | 22 36 | 0 49 | 6 50 | 1 59 | 21 1 | 0 28 | 9 15 | 2 28 | 13 45 | 0 23 | 18 41 | 0 10 | 11 47 | 17 6 | 22 27 | 22 15 | 5 50 | 10 14 | 0 5 | |
| M 9 | 21 18 | 21 36 | 0 59 | 18 12 | 0 52 | 22 42 | 0 46 | 7 0 | 1 59 | 21 0 | 0 27 | 9 16 | 2 29 | 13 45 | 0 23 | 18 42 | 0 10 | 11 46 | 17 5 | 22 27 | 22 15 | 5 52 | 10 14 | 0 6 | |
| T 10 | 21 7 | 22 31 | 0n14 | 17 37 | 0 41 | 22 47 | 0 43 | 7 9 | 2 0 | 21 0 | 0 27 | 9 16 | 2 29 | 13 45 | 0 23 | 18 42 | 0 10 | 11 46 | 17 5 | 22 27 | 22 15 | 5 55 | 10 14 | 0 6 | |
| W11 | 20 55 | 22 8 | 1 25 | 17 2 | 0 29 | 22 51 | 0 40 | 7 19 | 2 0 | 21 0 | 0 27 | 9 17 | 2 29 | 13 45 | 0 23 | 18 42 | 0 10 | 11 45 | 17 4 | 22 27 | 22 14 | 5 57 | 10 14 | 0 6 | |
| T 12 | 20 43 | 20 32 | 2 30 | 16 27 | 0 16 | 22 55 | 0 38 | 7 29 | 2 0 | 20 59 | 0 27 | 9 17 | 2 29 | 13 45 | 0 23 | 18 43 | 0 10 | 11 45 | 17 4 | 22 26 | 22 14 | 5 59 | 10 14 | 0 6 | |
| F 13 | 20 31 | 17 53 | 3 26 | 15 52 | 0 2 | 22 59 | 0 35 | 7 38 | 2 0 | 20 59 | 0 26 | 9 18 | 2 30 | 13 45 | 0 23 | 18 43 | 0 10 | 11 44 | 17 4 | 22 26 | 22 13 | 6 2 | 10 14 | 0 6 | |
| S 14 | 20 18 | 14 26 | 4 12 | 15 18 | 0n12 | 23 1 | 0 32 | 7 47 | 2 1 | 20 59 | 0 26 | 9 18 | 2 30 | 13 45 | 0 23 | 18 44 | 0 10 | 11 44 | 17 3 | 22 25 | 22 13 | 6 4 | 10 15 | 0 6 | |
| S 15 | 20 5 | 10 24 | 4 44 | 14 45 | 0 27 | 23 3 | 0 29 | 7 56 | 2 1 | 20 59 | 0 26 | 9 19 | 2 30 | 13 45 | 0 23 | 18 44 | 0 10 | 11 43 | 17 3 | 22 23 | 22 12 | 6 6 | 10 15 | 0 6 | |
| M16 | 19 52 | 6 0 | 5 2 | 14 14 | 0 43 | 23 4 | 0 26 | 8 6 | 2 1 | 20 59 | 0 26 | 9 19 | 2 30 | 13 45 | 0 22 | 18 45 | 0 10 | 11 43 | 17 3 | 22 22 | 22 12 | 6 9 | 10 15 | 0 6 | |
| T 17 | 19 38 | 1 27 | 5 6 | 13 45 | 0 59 | 23 4 | 0 23 | 8 15 | 2 2 | 20 59 | 0 26 | 9 20 | 2 31 | 13 45 | 0 22 | 18 45 | 0 10 | 11 42 | 17 2 | 22 21 | 22 11 | 6 11 | 10 15 | 0 6 | |
| W18 | 19 24 | 3n 6 | 4 57 | 13 19 | 1 16 | 23 4 | 0 20 | 8 23 | 2 2 | 20 59 | 0 25 | 9 20 | 2 31 | 13 46 | 0 22 | 18 46 | 0 10 | 11 42 | 17 2 | 22 20 | 22 11 | 6 13 | 10 16 | 0 6 | |
| T 19 | 19 9 | 7 30 | 4 35 | 12 55 | 1 33 | 23 3 | 0 18 | 8 32 | 2 2 | 20 59 | 0 25 | 9 20 | 2 31 | 13 46 | 0 22 | 18 46 | 0 10 | 11 41 | 17 2 | 22 19 | 22 11 | 6 16 | 10 16 | 0 6 | |
| F 20 | 18 54 | 11 37 | 4 1 | 12 35 | 1 50 | 23 2 | 0 15 | 8 41 | 2 2 | 20 59 | 0 25 | 9 20 | 2 31 | 13 46 | 0 22 | 18 46 | 0 10 | 11 40 | 17 1 | 22 19 | 22 10 | 6 18 | 10 17 | 0 6 | |
| S 21 | 18 39 | 15 18 | 3 17 | 12 18 | 2 7 | 22 59 | 0 12 | 8 49 | 2 3 | 20 59 | 0 25 | 9 21 | 2 32 | 13 46 | 0 22 | 18 47 | 0 10 | 11 40 | 17 1 | 22 18 | 22 10 | 6 20 | 10 17 | 0 6 | |
| S 22 | 18 24 | 18 24 | 2 23 | 12 5 | 2 23 | 22 56 | 0 9 | 8 58 | 2 3 | 20 59 | 0 25 | 9 21 | 2 32 | 13 46 | 0 22 | 18 47 | 0 10 | 11 39 | 17 1 | 22 18 | 22 9 | 6 23 | 10 17 | 0 6 | |
| M23 | 18 8 | 20 44 | 1 23 | 11 56 | 2 39 | 22 52 | 0 6 | 9 6 | 2 3 | 20 59 | 0 24 | 9 21 | 2 32 | 13 47 | 0 22 | 18 48 | 0 10 | 11 39 | 17 0 | 22 19 | 22 9 | 6 25 | 10 18 | 0 7 | |
| T 24 | 17 52 | 22 8 | 0 16 | 11 51 | 2 54 | 22 48 | 0 3 | 9 14 | 2 3 | 20 59 | 0 24 | 9 21 | 2 32 | 13 47 | 0 22 | 18 48 | 0 10 | 11 38 | 17 0 | 22 19 | 22 8 | 6 28 | 10 18 | 0 7 | |
| W25 | 17 35 | 22 25 | 0s52 | 11 51 | 3 7 | 22 43 | 0 1 | 9 22 | 2 4 | 20 59 | 0 24 | 9 21 | 2 33 | 13 47 | 0 22 | 18 49 | 0 10 | 11 38 | 17 0 | 22 19 | 22 8 | 6 30 | 10 19 | 0 7 | |
| T 26 | 17 18 | 21 28 | 2 0 | 11 55 | 3 19 | 22 37 | 0s 2 | 9 30 | 2 4 | 20 59 | 0 24 | 9 21 | 2 33 | 13 47 | 0 22 | 18 49 | 0 10 | 11 37 | 16 59 | 22 18 | 22 7 | 6 32 | 10 19 | 0 7 | |
| F 27 | 17 1 | 19 13 | 3 4 | 12 2 | 3 29 | 22 30 | 0 5 | 9 38 | 2 4 | 21 0 | 0 24 | 9 21 | 2 33 | 13 48 | 0 22 | 18 49 | 0 10 | 11 36 | 16 59 | 22 18 | 22 7 | 6 35 | 10 20 | 0 7 | |
| S 28 | 16 44 | 15 46 | 3 57 | 12 13 | 3 36 | 22 23 | 0 8 | 9 45 | 2 4 | 21 0 | 0 23 | 9 21 | 2 33 | 13 48 | 0 22 | 18 50 | 0 10 | 11 36 | 16 59 | 22 17 | 22 6 | 6 37 | 10 20 | 0 7 | |
| S 29 | 16 26 | 11 17 | 4 37 | 12 27 | 3 42 | 22 15 | 0 10 | 9 53 | 2 4 | 21 0 | 0 23 | 9 21 | 2 34 | 13 48 | 0 22 | 18 50 | 0 10 | 11 35 | 16 59 | 22 15 | 22 6 | 6 39 | 10 21 | 0 7 | |
| M30 | 16 8 | 6 5 | 4 59 | 12 44 | 3 45 | 22 7 | 0 13 | 10 0 | 2 5 | 21 1 | 0 23 | 9 21 | 2 34 | 13 49 | 0 22 | 18 51 | 0 10 | 11 35 | 16 58 | 22 14 | 22 6 | 6 41 | 10 21 | 0 7 | |
| T 31 | 15s50 | 0n30 | 5s 1 | 13s 2 | 3n46 | 21s58 | 0s16 | 10s 7 | 2n 5 | 21n 1 | 0s23 | 9s21 | 2n34 | 13n49 | 0s22 | 18n51 | 0n10 | 11s34 | 16s58 | 22s12 | 22s 5 | 6n44 | 10n22 | 0s 7 | |

Julian Day Number = 2122832.5, Delta T = 17m42s
Ecliptic obliquity = 23°33'18, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'37, Lahiri = 11°18'37 Julian Calendar 1 Jan. 1100 == Greg. Calendar 7 Jan. 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## FEBRUARY 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 5 48 | 17♒56'49 | 1♎57 | 13°R 5 | 23♉31 | 1♏55 | 5♊54 | 0♏39 | 7♉47 | 6°R40 | 10♈ 7 | 10°R54 | 10♐ 8 | 6♈21 | 27♈ 5 | W 1 |
| T 2 | 9 9 44 | 18°57'14 | 16°37 | 12♒ 1 | 24°46 | 2°15 | 5°56 | 0°R40 | 7°48 | 6♌39 | 10° 8 | 10♐48 | 10° 5 | 6°28 | 27° 7 | T 2 |
| F 3 | 9 13 41 | 19°57'38 | 1♏ 0 | 11° 1 | 26° 0 | 2°36 | 5°57 | 0°40 | 7°50 | 6°37 | 10° 9 | 10°44 | 10° 2 | 6°34 | 27° 9 | F 3 |
| S 4 | 9 17 37 | 20°58'01 | 15° 6 | 10° 6 | 27°14 | 2°56 | 5°59 | 0°39 | 7°51 | 6°36 | 10°10 | 10°43 | 9°59 | 6°41 | 27°11 | S 4 |
| S 5 | 9 21 34 | 21°58'22 | 28°52 | 9°16 | 28°29 | 3°15 | 6° 2 | 0°39 | 7°52 | 6°34 | 10°11 | 10°D43 | 9°56 | 6°48 | 27°13 | S 5 |
| M 6 | 9 25 31 | 22°58'42 | 12♐20 | 8°34 | 29°43 | 3°35 | 6° 4 | 0°39 | 7°54 | 6°32 | 10°12 | 10°R43 | 9°52 | 6°54 | 27°15 | M 6 |
| T 7 | 9 29 27 | 23°59'01 | 25°33 | 7°59 | 0♒57 | 3°54 | 6° 6 | 0°38 | 7°55 | 6°31 | 10°13 | 10°42 | 9°49 | 7° 1 | 27°18 | T 7 |
| W 8 | 9 33 24 | 24°59'18 | 8♑31 | 7°30 | 2°12 | 4°12 | 6° 9 | 0°38 | 7°57 | 6°29 | 10°14 | 10°39 | 9°46 | 7° 8 | 27°20 | W 8 |
| T 9 | 9 37 20 | 25°59'33 | 21°18 | 7° 9 | 3°26 | 4°30 | 6°12 | 0°37 | 7°58 | 6°28 | 10°15 | 10°33 | 9°43 | 7°15 | 27°22 | T 9 |
| F 10 | 9 41 17 | 26°59'47 | 3♒54 | 6°55 | 4°40 | 4°48 | 6°15 | 0°37 | 8° 0 | 6°26 | 10°16 | 10°24 | 9°40 | 7°21 | 27°24 | F 10 |
| S 11 | 9 45 13 | 27°59'59 | 16°20 | 6°48 | 5°55 | 5° 5 | 6°18 | 0°36 | 8° 1 | 6°24 | 10°17 | 10°13 | 9°37 | 7°28 | 27°27 | S 11 |
| S 12 | 9 49 10 | 29° 0'09 | 28°37 | 6°D48 | 7° 9 | 5°22 | 6°22 | 0°35 | 8° 3 | 6°23 | 10°18 | 9°59 | 9°33 | 7°35 | 27°29 | S 12 |
| M13 | 9 53 6 | 0♓ 0'17 | 10♓46 | 6°54 | 8°24 | 5°38 | 6°25 | 0°34 | 8° 5 | 6°21 | 10°19 | 9°45 | 9°30 | 7°41 | 27°32 | M13 |
| T 14 | 9 57 3 | 1° 0'23 | 22°47 | 7° 6 | 9°38 | 5°54 | 6°29 | 0°33 | 8° 6 | 6°20 | 10°20 | 9°31 | 9°27 | 7°48 | 27°34 | T 14 |
| W15 | 10 1 0 | 2° 0'27 | 4♈42 | 7°24 | 10°52 | 6° 9 | 6°33 | 0°31 | 8° 8 | 6°18 | 10°21 | 9°18 | 9°24 | 7°55 | 27°37 | W15 |
| T 16 | 10 4 56 | 3° 0'29 | 16°33 | 7°46 | 12° 7 | 6°24 | 6°37 | 0°30 | 8°10 | 6°17 | 10°22 | 9° 8 | 9°21 | 8° 2 | 27°39 | T 16 |
| F 17 | 10 8 53 | 4° 0'29 | 28°21 | 8°14 | 13°21 | 6°39 | 6°42 | 0°29 | 8°12 | 6°15 | 10°24 | 9° 1 | 9°17 | 8° 8 | 27°42 | F 17 |
| S 18 | 10 12 49 | 5° 0'27 | 10♉13 | 8°47 | 14°35 | 6°52 | 6°46 | 0°27 | 8°14 | 6°14 | 10°25 | 8°56 | 9°14 | 8°15 | 27°45 | S 18 |
| S 19 | 10 16 46 | 6° 0'22 | 22°10 | 9°24 | 15°50 | 7° 6 | 6°51 | 0°25 | 8°16 | 6°13 | 10°26 | 8°55 | 9°11 | 8°22 | 27°47 | S 19 |
| M20 | 10 20 42 | 7° 0'16 | 4♊20 | 10° 5 | 17° 4 | 7°19 | 6°56 | 0°24 | 8°18 | 6°11 | 10°27 | 8°54 | 9° 8 | 8°28 | 27°50 | M20 |
| T 21 | 10 24 39 | 8° 0'07 | 16°46 | 10°50 | 18°18 | 7°31 | 7° 1 | 0°22 | 8°20 | 6°10 | 10°28 | 8°54 | 9° 5 | 8°35 | 27°53 | T 21 |
| W22 | 10 28 35 | 8°59'56 | 29°35 | 11°38 | 19°33 | 7°43 | 7° 6 | 0°20 | 8°22 | 6° 8 | 10°30 | 8°53 | 9° 2 | 8°42 | 27°56 | W22 |
| T 23 | 10 32 32 | 9°59'43 | 12♋51 | 12°30 | 20°47 | 7°54 | 7°12 | 0°18 | 8°24 | 6° 7 | 10°31 | 8°50 | 8°58 | 8°48 | 27°59 | T 23 |
| F 24 | 10 36 29 | 10°59'27 | 26°36 | 13°25 | 22° 1 | 8° 5 | 7°17 | 0°16 | 8°26 | 6° 6 | 10°32 | 8°45 | 8°55 | 8°55 | 28° 2 | F 24 |
| S 25 | 10 40 25 | 11°59'09 | 10♌50 | 14°22 | 23°15 | 8°15 | 7°23 | 0°14 | 8°29 | 6° 4 | 10°33 | 8°37 | 8°52 | 9° 2 | 28° 5 | S 25 |
| S 26 | 10 44 22 | 12°58'49 | 25°32 | 15°23 | 24°30 | 8°25 | 7°29 | 0°11 | 8°31 | 6° 3 | 10°35 | 8°27 | 8°49 | 9° 9 | 28° 8 | S 26 |
| M27 | 10 48 18 | 13°58'26 | 10♍34 | 16°26 | 25°44 | 8°34 | 7°35 | 0° 9 | 8°33 | 6° 2 | 10°36 | 8°15 | 8°46 | 9°15 | 28°11 | M27 |
| T 28 | 10 52 15 | 14°58'02 | 25°47 | 17°31 | 26°58 | 8°42 | 7°41 | 0° 7 | 8°36 | 6° 1 | 10°37 | 8° 4 | 8°43 | 9°22 | 28°14 | T 28 |
| W29 | 10 56 11 | 15♓57'35 | 10♎59 | 18♒39 | 28♒13 | 8♏50 | 7♊47 | 0♏ 4 | 8♉38 | 5♌59 | 10♈38 | 7♐54 | 8♐39 | 9♈29 | 28♈17 | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s32 | 5s 6 | 4s43 | 13s23 | 3n45 | 21s48 | 0s18 | 10s15 | 2n 5 | 21n 2 | 0s23 | 9s21 | 2n34 | 13n50 | 0s22 | 18n52 | 0n10 | 11s33 | 16s58 | 22s11 | 22s 5 | 6n46 | 10n22 | 0s 7 |
| T 2 | 15 13 | 10 21 | 4 6 | 13 44 | 3 41 | 21 37 | 0 21 | 10 22 | 2 5 | 21 2 | 0 22 | 9 21 | 2 35 | 13 50 | 0 22 | 18 52 | 0 10 | 11 33 | 16 57 | 22 10 | 22 4 | 6 48 | 10 23 | 0 7 |
| F 3 | 14 54 | 14 55 | 3 14 | 14 5 | 3 36 | 21 26 | 0 23 | 10 28 | 2 5 | 21 2 | 0 22 | 9 20 | 2 35 | 13 50 | 0 22 | 18 52 | 0 10 | 11 32 | 16 57 | 22 10 | 22 4 | 6 51 | 10 24 | 0 7 |
| S 4 | 14 35 | 18 32 | 2 12 | 14 27 | 3 29 | 21 14 | 0 26 | 10 35 | 2 5 | 21 3 | 0 22 | 9 20 | 2 35 | 13 51 | 0 22 | 18 53 | 0 10 | 11 31 | 16 57 | 22 10 | 22 3 | 6 53 | 10 24 | 0 7 |
| S 5 | 14 15 | 21 1 | 1 2 | 14 49 | 3 20 | 21 2 | 0 29 | 10 42 | 2 5 | 21 4 | 0 22 | 9 20 | 2 35 | 13 51 | 0 22 | 18 53 | 0 10 | 11 31 | 16 57 | 22 10 | 22 3 | 6 55 | 10 25 | 0 7 |
| M 6 | 13 55 | 22 14 | 0n 9 | 15 9 | 3 10 | 20 49 | 0 31 | 10 48 | 2 6 | 21 4 | 0 22 | 9 19 | 2 36 | 13 52 | 0 22 | 18 54 | 0 10 | 11 30 | 16 56 | 22 10 | 22 2 | 6 58 | 10 26 | 0 8 |
| T 7 | 13 35 | 22 11 | 1 18 | 15 29 | 2 59 | 20 35 | 0 33 | 10 54 | 2 6 | 21 5 | 0 21 | 9 19 | 2 36 | 13 52 | 0 22 | 18 54 | 0 10 | 11 30 | 16 56 | 22 10 | 22 2 | 7 0 | 10 26 | 0 8 |
| W 8 | 13 15 | 20 55 | 2 22 | 15 48 | 2 47 | 20 21 | 0 36 | 11 0 | 2 6 | 21 5 | 0 21 | 9 19 | 2 36 | 13 53 | 0 22 | 18 55 | 0 10 | 11 29 | 16 56 | 22 9 | 22 1 | 7 2 | 10 27 | 0 8 |
| T 9 | 12 55 | 18 37 | 3 17 | 16 5 | 2 34 | 20 6 | 0 38 | 11 6 | 2 6 | 21 6 | 0 21 | 9 18 | 2 36 | 13 53 | 0 22 | 18 55 | 0 10 | 11 28 | 16 56 | 22 8 | 22 1 | 7 5 | 10 28 | 0 8 |
| F 10 | 12 34 | 15 27 | 4 2 | 16 21 | 2 21 | 19 51 | 0 40 | 11 12 | 2 6 | 21 7 | 0 21 | 9 18 | 2 37 | 13 54 | 0 22 | 18 55 | 0 10 | 11 28 | 16 55 | 22 7 | 22 0 | 7 7 | 10 29 | 0 8 |
| S 11 | 12 14 | 11 39 | 4 35 | 16 36 | 2 8 | 19 34 | 0 43 | 11 18 | 2 6 | 21 8 | 0 21 | 9 17 | 2 37 | 13 54 | 0 22 | 18 56 | 0 10 | 11 27 | 16 55 | 22 5 | 22 0 | 7 9 | 10 29 | 0 8 |
| S 12 | 11 53 | 7 25 | 4 54 | 16 49 | 1 55 | 19 18 | 0 45 | 11 24 | 2 6 | 21 8 | 0 20 | 9 17 | 2 37 | 13 55 | 0 22 | 18 56 | 0 10 | 11 26 | 16 55 | 22 3 | 21 59 | 7 11 | 10 30 | 0 8 |
| M13 | 11 31 | 2 56 | 5 0 | 17 0 | 1 41 | 19 1 | 0 47 | 11 29 | 2 6 | 21 9 | 0 20 | 9 16 | 2 37 | 13 56 | 0 22 | 18 57 | 0 10 | 11 26 | 16 55 | 22 1 | 21 59 | 7 14 | 10 31 | 0 8 |
| T 14 | 11 10 | 1n36 | 4 52 | 17 10 | 1 28 | 18 43 | 0 49 | 11 34 | 2 6 | 21 10 | 0 20 | 9 15 | 2 38 | 13 56 | 0 22 | 18 57 | 0 10 | 11 25 | 16 54 | 21 59 | 21 58 | 7 16 | 10 32 | 0 8 |
| W15 | 10 49 | 6 2 | 4 31 | 17 19 | 1 15 | 18 25 | 0 51 | 11 39 | 2 6 | 21 11 | 0 20 | 9 15 | 2 38 | 13 57 | 0 22 | 18 57 | 0 10 | 11 24 | 16 54 | 21 57 | 21 58 | 7 18 | 10 33 | 0 8 |
| T 16 | 10 27 | 10 13 | 3 59 | 17 25 | 1 1 | 18 6 | 0 53 | 11 44 | 2 6 | 21 12 | 0 20 | 9 14 | 2 38 | 13 57 | 0 22 | 18 58 | 0 10 | 11 24 | 16 54 | 21 56 | 21 58 | 7 21 | 10 34 | 0 8 |
| F 17 | 10 5 | 14 0 | 3 17 | 17 31 | 0 49 | 17 47 | 0 55 | 11 49 | 2 6 | 21 13 | 0 20 | 9 13 | 2 38 | 13 58 | 0 22 | 18 58 | 0 10 | 11 23 | 16 54 | 21 54 | 21 57 | 7 23 | 10 35 | 0 8 |
| S 18 | 9 43 | 17 15 | 2 25 | 17 34 | 0 36 | 17 27 | 0 57 | 11 54 | 2 6 | 21 14 | 0 19 | 9 13 | 2 38 | 13 59 | 0 22 | 18 58 | 0 10 | 11 22 | 16 53 | 21 54 | 21 57 | 7 25 | 10 35 | 0 8 |
| S 19 | 9 21 | 19 48 | 1 27 | 17 36 | 0 24 | 17 7 | 0 59 | 11 58 | 2 6 | 21 15 | 0 19 | 9 12 | 2 39 | 13 59 | 0 22 | 18 59 | 0 10 | 11 22 | 16 53 | 21 54 | 21 56 | 7 27 | 10 36 | 0 8 |
| M20 | 8 59 | 21 30 | 0 24 | 17 36 | 0 12 | 16 46 | 1 1 | 12 2 | 2 6 | 21 16 | 0 19 | 9 11 | 2 39 | 14 0 | 0 22 | 18 59 | 0 10 | 11 21 | 16 53 | 21 53 | 21 56 | 7 30 | 10 37 | 0 9 |
| T 21 | 8 37 | 22 12 | 0s42 | 17 35 | 0 1 | 16 25 | 1 3 | 12 6 | 2 6 | 21 17 | 0 19 | 9 10 | 2 39 | 14 1 | 0 22 | 19 0 | 0 10 | 11 20 | 16 53 | 21 53 | 21 55 | 7 32 | 10 38 | 0 9 |
| W22 | 8 14 | 21 46 | 1 47 | 17 33 | 0s10 | 16 3 | 1 5 | 12 10 | 2 6 | 21 18 | 0 19 | 9 9 | 2 39 | 14 1 | 0 22 | 19 0 | 0 11 | 11 20 | 16 53 | 21 53 | 21 55 | 7 34 | 10 39 | 0 9 |
| T 23 | 7 51 | 20 8 | 2 49 | 17 28 | 0 21 | 15 41 | 1 6 | 12 14 | 2 5 | 21 19 | 0 18 | 9 9 | 2 40 | 14 2 | 0 21 | 19 0 | 0 11 | 11 19 | 16 52 | 21 53 | 21 54 | 7 36 | 10 40 | 0 9 |
| F 24 | 7 29 | 17 17 | 3 44 | 17 22 | 0 31 | 15 18 | 1 8 | 12 18 | 2 5 | 21 20 | 0 18 | 9 8 | 2 40 | 14 3 | 0 21 | 19 1 | 0 11 | 11 19 | 16 52 | 21 52 | 21 54 | 7 39 | 10 41 | 0 9 |
| S 25 | 7 6 | 13 20 | 4 26 | 17 15 | 0 41 | 14 56 | 1 10 | 12 21 | 2 5 | 21 21 | 0 18 | 9 7 | 2 40 | 14 4 | 0 21 | 19 1 | 0 11 | 11 18 | 16 52 | 21 51 | 21 53 | 7 41 | 10 42 | 0 9 |
| S 26 | 6 43 | 8 28 | 4 53 | 17 6 | 0 50 | 14 32 | 1 11 | 12 25 | 2 5 | 21 22 | 0 18 | 9 6 | 2 40 | 14 4 | 0 21 | 19 1 | 0 11 | 11 17 | 16 52 | 21 49 | 21 53 | 7 43 | 10 43 | 0 9 |
| M27 | 6 20 | 3 1 | 5 0 | 16 56 | 0 59 | 14 8 | 1 13 | 12 28 | 2 4 | 21 23 | 0 18 | 9 5 | 2 40 | 14 5 | 0 21 | 19 2 | 0 11 | 11 17 | 16 52 | 21 47 | 21 52 | 7 45 | 10 44 | 0 9 |
| T 28 | 5 57 | 2s41 | 4 46 | 16 44 | 1 8 | 13 44 | 1 14 | 12 31 | 2 4 | 21 24 | 0 18 | 9 4 | 2 41 | 14 6 | 0 21 | 19 2 | 0 11 | 11 16 | 16 52 | 21 46 | 21 52 | 7 48 | 10 45 | 0 9 |
| W29 | 5s34 | 8s14 | 4s12 | 16s31 | 1s16 | 13s20 | 1s15 | 12s33 | 2n 4 | 21n26 | 0s17 | 9s 3 | 2n41 | 14n 7 | 0s21 | 19n 2 | 0n11 | 11s15 | 16s51 | 21s44 | 21s51 | 7n50 | 10n46 | 0s 9 |

Julian Day Number = 2122863.5, Delta T = 17m42s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'41, Lahiri = 11°18'42 Julian Calendar 1 Feb. 1100 == Greg. Calendar 7 Feb. 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## MARCH 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 0 8 | 16♓57'07 | 26♎ 1 | 19♒49 | 29♒27 | 8♏57 | 7♊54 | 0°R 1 | 8♉40 | 5°R58 | 10♈40 | 7°R47 | 8♐36 | 9♈35 | 28♈20 | T 1 |
| F 2 | 11 4 4 | 17°56'37 | 10♏44 | 21° 1 | 0♓41 | 9° 4 | 8° 1 | 29♎59 | 8°43 | 5♌57 | 10°41 | 7♐42 | 8°33 | 9°42 | 28°23 | F 2 |
| S 3 | 11 8 1 | 18°56'05 | 25° 3 | 22°15 | 1°55 | 9°10 | 8° 7 | 29°56 | 8°45 | 5°56 | 10°42 | 7°40 | 8°30 | 9°49 | 28°26 | S 3 |
| S 4 | 11 11 58 | 19°55'31 | 8♐57 | 23°31 | 3°10 | 9°15 | 8°14 | 29°53 | 8°48 | 5°55 | 10°44 | 7°D40 | 8°27 | 9°55 | 28°30 | S 4 |
| M 5 | 11 15 54 | 20°54'55 | 22°27 | 24°49 | 4°24 | 9°20 | 8°21 | 29°50 | 8°50 | 5°54 | 10°45 | 7°R40 | 8°23 | 10° 2 | 28°33 | M 5 |
| T 6 | 11 19 51 | 21°54'18 | 5♑35 | 26° 9 | 5°38 | 9°23 | 8°29 | 29°47 | 8°53 | 5°53 | 10°46 | 7°39 | 8°20 | 10° 9 | 28°36 | T 6 |
| W 7 | 11 23 47 | 22°53'39 | 18°24 | 27°30 | 6°52 | 9°27 | 8°36 | 29°44 | 8°56 | 5°52 | 10°48 | 7°37 | 8°17 | 10°16 | 28°40 | W 7 |
| T 8 | 11 27 44 | 23°52'58 | 0♒58 | 28°53 | 8° 6 | 9°29 | 8°44 | 29°41 | 8°58 | 5°51 | 10°49 | 7°32 | 8°14 | 10°22 | 28°43 | T 8 |
| F 9 | 11 31 40 | 24°52'15 | 13°21 | 0♓18 | 9°21 | 9°31 | 8°51 | 29°38 | 9° 1 | 5°50 | 10°50 | 7°24 | 8°11 | 10°29 | 28°47 | F 9 |
| S 10 | 11 35 37 | 25°51'30 | 25°34 | 1°44 | 10°35 | 9°32 | 8°59 | 29°34 | 9° 4 | 5°49 | 10°52 | 7°13 | 8° 8 | 10°36 | 28°50 | S 10 |
| S 11 | 11 39 33 | 26°50'44 | 7♓39 | 3°12 | 11°49 | 9°R32 | 9° 7 | 29°31 | 9° 7 | 5°48 | 10°53 | 7° 1 | 8° 4 | 10°42 | 28°53 | S 11 |
| M12 | 11 43 30 | 27°49'55 | 19°38 | 4°42 | 13° 3 | 9°32 | 9°15 | 29°28 | 9° 9 | 5°47 | 10°55 | 6°47 | 8° 1 | 10°49 | 28°57 | M12 |
| T 13 | 11 47 27 | 28°49'04 | 1♈33 | 6°13 | 14°17 | 9°31 | 9°23 | 29°24 | 9°12 | 5°46 | 10°56 | 6°35 | 7°58 | 10°56 | 29° 0 | T 13 |
| W14 | 11 51 23 | 29°48'11 | 13°24 | 7°45 | 15°32 | 9°29 | 9°32 | 29°20 | 9°15 | 5°45 | 10°57 | 6°23 | 7°55 | 11° 2 | 29° 4 | W14 |
| T 15 | 11 55 20 | 0♈47'16 | 25°14 | 9°19 | 16°46 | 9°26 | 9°40 | 29°17 | 9°18 | 5°44 | 10°59 | 6°14 | 7°52 | 11° 9 | 29° 8 | T 15 |
| F 16 | 11 59 16 | 1°46'19 | 7♉ 3 | 10°55 | 18° 0 | 9°23 | 9°49 | 29°13 | 9°21 | 5°43 | 11° 0 | 6° 7 | 7°48 | 11°16 | 29°11 | F 16 |
| S 17 | 12 3 13 | 2°45'19 | 18°56 | 12°32 | 19°14 | 9°18 | 9°57 | 29° 9 | 9°24 | 5°43 | 11° 2 | 6° 3 | 7°45 | 11°23 | 29°15 | S 17 |
| S 18 | 12 7 9 | 3°44'17 | 0♊56 | 14°10 | 20°28 | 9°13 | 10° 6 | 29° 5 | 9°27 | 5°42 | 11° 3 | 6°D 1 | 7°42 | 11°29 | 29°19 | S 18 |
| M19 | 12 11 6 | 4°43'13 | 13° 6 | 15°50 | 21°42 | 9° 8 | 10°15 | 29° 2 | 9°30 | 5°41 | 11° 4 | 6° 1 | 7°39 | 11°36 | 29°22 | M19 |
| T 20 | 12 15 2 | 5°42'07 | 25°31 | 17°32 | 22°57 | 9° 1 | 10°24 | 28°58 | 9°33 | 5°40 | 11° 6 | 6° 2 | 7°36 | 11°43 | 29°26 | T 20 |
| W21 | 12 18 59 | 6°40'59 | 8♋16 | 19°15 | 24°11 | 8°54 | 10°34 | 28°54 | 9°36 | 5°40 | 11° 7 | 6°R 3 | 7°33 | 11°49 | 29°30 | W21 |
| T 22 | 12 22 55 | 7°39'48 | 21°26 | 20°59 | 25°25 | 8°46 | 10°43 | 28°50 | 9°39 | 5°39 | 11° 9 | 6° 2 | 7°29 | 11°56 | 29°33 | T 22 |
| F 23 | 12 26 52 | 8°38'35 | 5♌ 3 | 22°45 | 26°39 | 8°37 | 10°52 | 28°46 | 9°42 | 5°39 | 11°10 | 5°59 | 7°26 | 12° 3 | 29°37 | F 23 |
| S 24 | 12 30 49 | 9°37'19 | 19°11 | 24°33 | 27°53 | 8°27 | 11° 2 | 28°41 | 9°45 | 5°38 | 11°11 | 5°54 | 7°23 | 12° 9 | 29°41 | S 24 |
| S 25 | 12 34 45 | 10°36'01 | 3♍46 | 26°22 | 29° 7 | 8°17 | 11°11 | 28°37 | 9°48 | 5°38 | 11°13 | 5°47 | 7°20 | 12°16 | 29°45 | S 25 |
| M26 | 12 38 42 | 11°34'41 | 18°45 | 28°12 | 0♈21 | 8° 6 | 11°21 | 28°33 | 9°51 | 5°37 | 11°14 | 5°39 | 7°17 | 12°23 | 29°48 | M26 |
| T 27 | 12 42 38 | 12°33'19 | 3♎59 | 0♈ 4 | 1°35 | 7°54 | 11°31 | 28°29 | 9°54 | 5°37 | 11°16 | 5°30 | 7°14 | 12°30 | 29°52 | T 27 |
| W28 | 12 46 35 | 13°31'54 | 19°18 | 1°58 | 2°49 | 7°42 | 11°41 | 28°25 | 9°58 | 5°36 | 11°17 | 5°23 | 7°10 | 12°36 | 29°56 | W28 |
| T 29 | 12 50 31 | 14°30'28 | 4♏31 | 3°53 | 4° 3 | 7°29 | 11°51 | 28°20 | 10° 1 | 5°36 | 11°18 | 5°18 | 7° 7 | 12°43 | 29°59 | T 29 |
| F 30 | 12 54 28 | 15°29'00 | 19°27 | 5°50 | 5°17 | 7°15 | 12° 1 | 28°16 | 10° 4 | 5°35 | 11°20 | 5°15 | 7° 4 | 12°50 | 0♉ 4 | F 30 |
| S 31 | 12 58 24 | 16♈27'31 | 4♐ 0 | 7♈49 | 6♈31 | 7♏ 0 | 12♊11 | 28♎12 | 10♉ 7 | 5♌35 | 11♈21 | 5°D14 | 7♐ 1 | 12♈56 | 0♉ 8 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s11 | 13s13 | 3s21 | 16s16 | 1s23 | 12s55 | 1s16 | 12s36 | 2n 4 | 21n27 | 0s17 | 9s 1 | 2n41 | 14n 7 | 0s21 | 19n 2 | 0n11 | 11s15 | 16s51 | 21s43 | 21s51 | 7n52 | 10n47 | 0s 9 |
| F 2 | 4 47 | 17 17 | 2 17 | 15 59 | 1 31 | 12 30 | 1 18 | 12 38 | 2 3 | 21 28 | 0 17 | 9 0 | 2 41 | 14 8 | 0 21 | 19 3 | 0 11 | 11 14 | 16 51 | 21 42 | 21 50 | 7 54 | 10 48 | 0 9 |
| S 3 | 4 24 | 20 11 | 1 6 | 15 42 | 1 37 | 12 4 | 1 19 | 12 41 | 2 3 | 21 29 | 0 17 | 8 59 | 2 41 | 14 9 | 0 21 | 19 3 | 0 11 | 11 13 | 16 51 | 21 42 | 21 50 | 7 57 | 10 50 | 0 9 |
| S 4 | 4 1 | 21 47 | 0n 7 | 15 22 | 1 44 | 11 38 | 1 20 | 12 43 | 2 2 | 21 31 | 0 17 | 8 58 | 2 41 | 14 10 | 0 21 | 19 3 | 0 11 | 11 13 | 16 51 | 21 42 | 21 49 | 7 59 | 10 51 | 0 9 |
| M 5 | 3 37 | 22 3 | 1 17 | 15 2 | 1 50 | 11 12 | 1 21 | 12 45 | 2 2 | 21 32 | 0 17 | 8 57 | 2 42 | 14 11 | 0 21 | 19 4 | 0 11 | 11 12 | 16 51 | 21 42 | 21 49 | 8 1 | 10 52 | 0 10 |
| T 6 | 3 14 | 21 4 | 2 22 | 14 40 | 1 55 | 10 45 | 1 22 | 12 46 | 2 1 | 21 33 | 0 16 | 8 56 | 2 42 | 14 12 | 0 21 | 19 4 | 0 11 | 11 12 | 16 51 | 21 42 | 21 48 | 8 3 | 10 53 | 0 10 |
| W 7 | 2 50 | 19 1 | 3 18 | 14 16 | 2 0 | 10 19 | 1 23 | 12 48 | 2 1 | 21 35 | 0 16 | 8 54 | 2 42 | 14 13 | 0 21 | 19 4 | 0 11 | 11 11 | 16 50 | 21 41 | 21 48 | 8 6 | 10 54 | 0 10 |
| T 8 | 2 26 | 16 5 | 4 3 | 13 51 | 2 4 | 9 52 | 1 24 | 12 49 | 2 0 | 21 36 | 0 16 | 8 53 | 2 42 | 14 13 | 0 21 | 19 4 | 0 11 | 11 10 | 16 50 | 21 40 | 21 47 | 8 8 | 10 55 | 0 10 |
| F 9 | 2 3 | 12 29 | 4 36 | 13 25 | 2 8 | 9 24 | 1 24 | 12 50 | 2 0 | 21 37 | 0 16 | 8 52 | 2 42 | 14 14 | 0 21 | 19 5 | 0 11 | 11 10 | 16 50 | 21 39 | 21 47 | 8 10 | 10 56 | 0 10 |
| S 10 | 1 39 | 8 26 | 4 55 | 12 57 | 2 12 | 8 57 | 1 25 | 12 51 | 1 59 | 21 39 | 0 16 | 8 50 | 2 42 | 14 15 | 0 21 | 19 5 | 0 11 | 11 9 | 16 50 | 21 37 | 21 46 | 8 12 | 10 57 | 0 10 |
| S 11 | 1 16 | 4 5 | 5 1 | 12 28 | 2 15 | 8 29 | 1 26 | 12 52 | 1 58 | 21 40 | 0 16 | 8 49 | 2 43 | 14 16 | 0 21 | 19 5 | 0 11 | 11 8 | 16 50 | 21 35 | 21 46 | 8 14 | 10 59 | 0 10 |
| M12 | 0 52 | 0n23 | 4 54 | 11 58 | 2 18 | 8 1 | 1 26 | 12 53 | 1 58 | 21 41 | 0 15 | 8 48 | 2 43 | 14 17 | 0 21 | 19 5 | 0 11 | 11 8 | 16 50 | 21 33 | 21 45 | 8 17 | 11 0 | 0 10 |
| T 13 | 0 28 | 4 48 | 4 34 | 11 26 | 2 20 | 7 33 | 1 27 | 12 53 | 1 57 | 21 43 | 0 15 | 8 46 | 2 43 | 14 18 | 0 21 | 19 6 | 0 11 | 11 7 | 16 50 | 21 31 | 21 45 | 8 19 | 11 1 | 0 10 |
| W14 | 0 5 | 9 1 | 4 2 | 10 53 | 2 21 | 7 4 | 1 27 | 12 53 | 1 56 | 21 44 | 0 15 | 8 45 | 2 43 | 14 19 | 0 21 | 19 6 | 0 11 | 11 7 | 16 50 | 21 29 | 21 44 | 8 21 | 11 2 | 0 10 |
| T 15 | 0n19 | 12 54 | 3 19 | 10 19 | 2 23 | 6 36 | 1 27 | 12 53 | 1 55 | 21 46 | 0 15 | 8 44 | 2 43 | 14 20 | 0 21 | 19 6 | 0 11 | 11 6 | 16 50 | 21 27 | 21 44 | 8 23 | 11 3 | 0 10 |
| F 16 | 0 42 | 16 16 | 2 28 | 9 43 | 2 23 | 6 7 | 1 28 | 12 53 | 1 54 | 21 47 | 0 15 | 8 42 | 2 43 | 14 21 | 0 21 | 19 6 | 0 11 | 11 5 | 16 50 | 21 26 | 21 43 | 8 26 | 11 5 | 0 10 |
| S 17 | 1 6 | 18 59 | 1 30 | 9 6 | 2 24 | 5 38 | 1 28 | 12 52 | 1 53 | 21 49 | 0 15 | 8 41 | 2 43 | 14 22 | 0 21 | 19 6 | 0 11 | 11 5 | 16 50 | 21 25 | 21 43 | 8 28 | 11 6 | 0 10 |
| S 18 | 1 30 | 20 53 | 0 27 | 8 28 | 2 23 | 5 9 | 1 28 | 12 52 | 1 52 | 21 50 | 0 15 | 8 39 | 2 44 | 14 23 | 0 21 | 19 7 | 0 11 | 11 4 | 16 49 | 21 25 | 21 42 | 8 30 | 11 7 | 0 10 |
| M19 | 1 53 | 21 51 | 0s38 | 7 48 | 2 22 | 4 39 | 1 28 | 12 51 | 1 51 | 21 51 | 0 14 | 8 38 | 2 44 | 14 24 | 0 21 | 19 7 | 0 11 | 11 4 | 16 49 | 21 25 | 21 41 | 8 32 | 11 8 | 0 11 |
| T 20 | 2 17 | 21 46 | 1 42 | 7 7 | 2 21 | 4 10 | 1 28 | 12 50 | 1 50 | 21 53 | 0 14 | 8 36 | 2 44 | 14 25 | 0 21 | 19 7 | 0 11 | 11 3 | 16 49 | 21 25 | 21 41 | 8 34 | 11 10 | 0 11 |
| W21 | 2 40 | 20 34 | 2 44 | 6 25 | 2 19 | 3 40 | 1 28 | 12 49 | 1 49 | 21 54 | 0 14 | 8 35 | 2 44 | 14 26 | 0 21 | 19 7 | 0 11 | 11 3 | 16 49 | 21 25 | 21 40 | 8 36 | 11 11 | 0 11 |
| T 22 | 3 3 | 18 15 | 3 38 | 5 41 | 2 17 | 3 11 | 1 28 | 12 47 | 1 48 | 21 56 | 0 14 | 8 33 | 2 44 | 14 27 | 0 21 | 19 7 | 0 11 | 11 2 | 16 49 | 21 25 | 21 40 | 8 39 | 11 12 | 0 11 |
| F 23 | 3 27 | 14 51 | 4 23 | 4 57 | 2 14 | 2 41 | 1 28 | 12 46 | 1 47 | 21 57 | 0 14 | 8 32 | 2 44 | 14 28 | 0 21 | 19 7 | 0 11 | 11 1 | 16 49 | 21 25 | 21 39 | 8 41 | 11 13 | 0 11 |
| S 24 | 3 50 | 10 30 | 4 53 | 4 11 | 2 11 | 2 11 | 1 28 | 12 44 | 1 45 | 21 59 | 0 14 | 8 30 | 2 44 | 14 29 | 0 21 | 19 8 | 0 11 | 11 1 | 16 49 | 21 24 | 21 39 | 8 43 | 11 15 | 0 11 |
| S 25 | 4 13 | 5 26 | 5 6 | 3 24 | 2 7 | 1 41 | 1 28 | 12 42 | 1 44 | 22 0 | 0 14 | 8 29 | 2 44 | 14 30 | 0 21 | 19 8 | 0 11 | 11 0 | 16 49 | 21 22 | 21 38 | 8 45 | 11 16 | 0 11 |
| M26 | 4 36 | 0s 6 | 4 58 | 2 36 | 2 3 | 1 12 | 1 27 | 12 40 | 1 42 | 22 2 | 0 13 | 8 27 | 2 44 | 14 31 | 0 21 | 19 8 | 0 11 | 11 0 | 16 49 | 21 21 | 21 38 | 8 47 | 11 17 | 0 11 |
| T 27 | 4 59 | 5 42 | 4 29 | 1 46 | 1 58 | 0 42 | 1 27 | 12 37 | 1 41 | 22 3 | 0 13 | 8 26 | 2 44 | 14 32 | 0 21 | 19 8 | 0 11 | 10 59 | 16 49 | 21 20 | 21 37 | 8 50 | 11 18 | 0 11 |
| W28 | 5 22 | 11 0 | 3 41 | 0 56 | 1 53 | 0 12 | 1 26 | 12 35 | 1 39 | 22 5 | 0 13 | 8 24 | 2 44 | 14 33 | 0 21 | 19 8 | 0 11 | 10 59 | 16 49 | 21 18 | 21 37 | 8 52 | 11 20 | 0 11 |
| T 29 | 5 45 | 15 33 | 2 38 | 0 5 | 1 47 | 0n18 | 1 26 | 12 32 | 1 38 | 22 6 | 0 13 | 8 22 | 2 45 | 14 34 | 0 21 | 19 8 | 0 11 | 10 58 | 16 49 | 21 17 | 21 36 | 8 54 | 11 21 | 0 11 |
| F 30 | 6 7 | 19 1 | 1 24 | 0n48 | 1 40 | 0 49 | 1 25 | 12 29 | 1 36 | 22 8 | 0 13 | 8 21 | 2 45 | 14 35 | 0 21 | 19 8 | 0 11 | 10 58 | 16 49 | 21 17 | 21 36 | 8 56 | 11 22 | 0 11 |
| S 31 | 6n30 | 21s10 | 0s 7 | 1n41 | 1s33 | 1n19 | 1s24 | 12s26 | 1n34 | 22n 9 | 0s13 | 8s19 | 2n45 | 14n36 | 0s21 | 19n 8 | 0n11 | 10s57 | 16s49 | 21s17 | 21s35 | 8n58 | 11n24 | 0s11 |

Julian Day Number = 2122892.5, Delta T = 17m42s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'45, Lahiri = 11°18'46 Julian Calendar 1 March 1100 == Greg. Calendar 8 March 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## APRIL 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 2 21 | 17♈25'59 | 18♐ 7 | 9♈48 | 7♈45 | 6°R45 | 12♊22 | 28°R 7 | 10♉11 | 5°R35 | 11♈23 | 5♐14 | 6♐58 | 13♈ 3 | 0♉12 | S 1 |
| M 2 | 13 6 18 | 18°24'26 | 1♑46 | 11°50 | 8°59 | 6♏29 | 12°32 | 28♎ 3 | 10°14 | 5♌34 | 11°24 | 5°16 | 6°54 | 13°10 | 0°16 | M 2 |
| T 3 | 13 10 14 | 19°22'52 | 14°59 | 13°52 | 10°13 | 6°13 | 12°43 | 27°58 | 10°17 | 5°34 | 11°25 | 5°R17 | 6°51 | 13°16 | 0°19 | T 3 |
| W 4 | 13 14 11 | 20°21'15 | 27°50 | 15°56 | 11°27 | 5°56 | 12°53 | 27°54 | 10°21 | 5°34 | 11°27 | 5°16 | 6°48 | 13°23 | 0°23 | W 4 |
| T 5 | 13 18 7 | 21°19'37 | 10♒22 | 18° 2 | 12°41 | 5°38 | 13° 4 | 27°49 | 10°24 | 5°34 | 11°28 | 5°14 | 6°45 | 13°30 | 0°27 | T 5 |
| F 6 | 13 22 4 | 22°17'58 | 22°39 | 20° 8 | 13°55 | 5°20 | 13°15 | 27°45 | 10°27 | 5°34 | 11°30 | 5°11 | 6°42 | 13°37 | 0°31 | F 6 |
| S 7 | 13 26 0 | 23°16'17 | 4♓44 | 22°15 | 15° 9 | 5° 1 | 13°26 | 27°40 | 10°31 | 5°34 | 11°31 | 5° 5 | 6°39 | 13°43 | 0°35 | S 7 |
| S 8 | 13 29 57 | 24°14'34 | 16°43 | 24°23 | 16°23 | 4°42 | 13°37 | 27°36 | 10°34 | 5°33 | 11°32 | 4°58 | 6°35 | 13°50 | 0°39 | S 8 |
| M 9 | 13 33 53 | 25°12'49 | 28°36 | 26°32 | 17°37 | 4°22 | 13°48 | 27°31 | 10°37 | 5°33 | 11°34 | 4°51 | 6°32 | 13°57 | 0°43 | M 9 |
| T 10 | 13 37 50 | 26°11'03 | 10♈26 | 28°41 | 18°51 | 4° 2 | 13°59 | 27°27 | 10°41 | 5°D33 | 11°35 | 4°43 | 6°29 | 14° 3 | 0°47 | T 10 |
| W11 | 13 41 47 | 27° 9'15 | 22°16 | 0♉51 | 20° 5 | 3°41 | 14°10 | 27°22 | 10°44 | 5°33 | 11°37 | 4°37 | 6°26 | 14°10 | 0°51 | W11 |
| T 12 | 13 45 43 | 28° 7'25 | 4♉ 7 | 3° 0 | 21°19 | 3°21 | 14°22 | 27°18 | 10°48 | 5°34 | 11°38 | 4°32 | 6°23 | 14°17 | 0°55 | T 12 |
| F 13 | 13 49 40 | 29° 5'34 | 16° 2 | 5° 9 | 22°33 | 3° 0 | 14°33 | 27°13 | 10°51 | 5°34 | 11°39 | 4°28 | 6°19 | 14°23 | 0°59 | F 13 |
| S 14 | 13 53 36 | 0♉ 3'41 | 28° 1 | 7°17 | 23°46 | 2°38 | 14°45 | 27° 9 | 10°54 | 5°34 | 11°41 | 4°27 | 6°16 | 14°30 | 1° 3 | S 14 |
| S 15 | 13 57 33 | 1° 1'46 | 10♊ 8 | 9°24 | 25° 0 | 2°17 | 14°56 | 27° 4 | 10°58 | 5°34 | 11°42 | 4°D27 | 6°13 | 14°37 | 1° 7 | S 15 |
| M16 | 14 1 29 | 1°59'49 | 22°26 | 11°30 | 26°14 | 1°55 | 15° 8 | 27° 0 | 11° 1 | 5°34 | 11°43 | 4°28 | 6°10 | 14°43 | 1°11 | M16 |
| T 17 | 14 5 26 | 2°57'50 | 4♋57 | 13°34 | 27°28 | 1°33 | 15°20 | 26°55 | 11° 5 | 5°34 | 11°45 | 4°29 | 6° 7 | 14°50 | 1°15 | T 17 |
| W18 | 14 9 22 | 3°55'50 | 17°45 | 15°36 | 28°42 | 1°11 | 15°31 | 26°51 | 11° 8 | 5°35 | 11°46 | 4°31 | 6° 4 | 14°57 | 1°19 | W18 |
| T 19 | 14 13 19 | 4°53'47 | 0♌54 | 17°37 | 29°56 | 0°49 | 15°43 | 26°46 | 11°12 | 5°35 | 11°47 | 4°R32 | 6° 0 | 15° 4 | 1°23 | T 19 |
| F 20 | 14 17 16 | 5°51'43 | 14°26 | 19°35 | 1♍10 | 0°28 | 15°55 | 26°42 | 11°15 | 5°35 | 11°49 | 4°31 | 5°57 | 15°10 | 1°27 | F 20 |
| S 21 | 14 21 12 | 6°49'37 | 28°23 | 21°30 | 2°23 | 0° 6 | 16° 7 | 26°37 | 11°19 | 5°36 | 11°50 | 4°30 | 5°54 | 15°17 | 1°31 | S 21 |
| S 22 | 14 25 9 | 7°47'28 | 12♏45 | 23°23 | 3°37 | 29♎44 | 16°19 | 26°33 | 11°22 | 5°36 | 11°51 | 4°28 | 5°51 | 15°24 | 1°35 | S 22 |
| M23 | 14 29 5 | 8°45'18 | 27°28 | 25°13 | 4°51 | 29°23 | 16°31 | 26°29 | 11°26 | 5°36 | 11°52 | 4°24 | 5°48 | 15°30 | 1°39 | M23 |
| T 24 | 14 33 2 | 9°43'06 | 12♎28 | 27° 0 | 6° 5 | 29° 2 | 16°43 | 26°24 | 11°29 | 5°37 | 11°54 | 4°21 | 5°45 | 15°37 | 1°43 | T 24 |
| W25 | 14 36 58 | 10°40'53 | 27°36 | 28°43 | 7°19 | 28°41 | 16°55 | 26°20 | 11°33 | 5°37 | 11°55 | 4°18 | 5°41 | 15°44 | 1°47 | W25 |
| T 26 | 14 40 55 | 11°38'38 | 12♏43 | 0♊24 | 8°33 | 28°20 | 17° 8 | 26°16 | 11°36 | 5°38 | 11°56 | 4°16 | 5°38 | 15°50 | 1°51 | T 26 |
| F 27 | 14 44 51 | 12°36'22 | 27°39 | 2° 1 | 9°46 | 27°59 | 17°20 | 26°11 | 11°40 | 5°38 | 11°58 | 4°D15 | 5°35 | 15°57 | 1°54 | F 27 |
| S 28 | 14 48 48 | 13°34'04 | 12♐16 | 3°35 | 11° 0 | 27°39 | 17°32 | 26° 7 | 11°43 | 5°39 | 11°59 | 4°15 | 5°32 | 16° 4 | 1°58 | S 28 |
| S 29 | 14 52 44 | 14°31'46 | 26°30 | 5° 6 | 12°14 | 27°20 | 17°45 | 26° 3 | 11°47 | 5°40 | 12° 0 | 4°16 | 5°29 | 16°10 | 2° 2 | S 29 |
| M30 | 14 56 41 | 15♉29'26 | 10♑18 | 6♊33 | 13♉28 | 27♎ 1 | 17♊57 | 25♎59 | 11♉50 | 5♌40 | 12♈ 1 | 4♐17 | 5♐25 | 16♈17 | 2♉ 6 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n53 | 21s53 | 1n 9 | 2n35 | 1s26 | 1n49 | 1s24 | 12s23 | 1n33 | 22n11 | 0s13 | 8s18 | 2n45 | 14n37 | 0s21 | 19n 8 | 0n11 | 10s57 | 16s49 | 21s17 | 21s35 | 9n 0 | 11n25 | 0s11 |
| M 2 | 7 15 | 21 14 | 2 18 | 3 30 | 1 18 | 2 19 | 1 23 | 12 19 | 1 31 | 22 12 | 0 12 | 8 16 | 2 45 | 14 38 | 0 21 | 19 9 | 0 11 | 10 56 | 16 49 | 21 17 | 21 34 | 9 2 | 11 26 | 0 12 |
| T 3 | 7 37 | 19 26 | 3 18 | 4 26 | 1 10 | 2 49 | 1 22 | 12 16 | 1 29 | 22 14 | 0 12 | 8 14 | 2 45 | 14 39 | 0 21 | 19 9 | 0 11 | 10 56 | 16 49 | 21 17 | 21 34 | 9 5 | 11 28 | 0 12 |
| W 4 | 7 59 | 16 41 | 4 6 | 5 22 | 1 1 | 3 18 | 1 21 | 12 12 | 1 27 | 22 15 | 0 12 | 8 13 | 2 45 | 14 40 | 0 21 | 19 9 | 0 11 | 10 55 | 16 49 | 21 17 | 21 33 | 9 7 | 11 29 | 0 12 |
| T 5 | 8 21 | 13 13 | 4 41 | 6 18 | 0 52 | 3 48 | 1 20 | 12 8 | 1 25 | 22 17 | 0 12 | 8 11 | 2 45 | 14 41 | 0 21 | 19 9 | 0 11 | 10 55 | 16 49 | 21 17 | 21 32 | 9 9 | 11 30 | 0 12 |
| F 6 | 8 43 | 9 17 | 5 2 | 7 15 | 0 42 | 4 18 | 1 19 | 12 4 | 1 23 | 22 18 | 0 12 | 8 10 | 2 45 | 14 42 | 0 21 | 19 9 | 0 11 | 10 54 | 16 50 | 21 16 | 21 32 | 9 11 | 11 31 | 0 12 |
| S 7 | 9 5 | 5 1 | 5 9 | 8 12 | 0 33 | 4 48 | 1 18 | 12 0 | 1 21 | 22 20 | 0 12 | 8 8 | 2 45 | 14 43 | 0 21 | 19 9 | 0 11 | 10 54 | 16 50 | 21 15 | 21 31 | 9 13 | 11 33 | 0 12 |
| S 8 | 9 27 | 0 38 | 5 3 | 9 9 | 0 22 | 5 17 | 1 17 | 11 55 | 1 18 | 22 21 | 0 12 | 8 6 | 2 45 | 14 44 | 0 21 | 19 9 | 0 11 | 10 53 | 16 50 | 21 14 | 21 31 | 9 15 | 11 34 | 0 12 |
| M 9 | 9 48 | 3n46 | 4 43 | 10 6 | 0 12 | 5 47 | 1 16 | 11 51 | 1 16 | 22 23 | 0 11 | 8 5 | 2 45 | 14 45 | 0 21 | 19 9 | 0 11 | 10 53 | 16 50 | 21 12 | 21 30 | 9 17 | 11 35 | 0 12 |
| T 10 | 10 9 | 8 0 | 4 12 | 11 2 | 0 2 | 6 16 | 1 14 | 11 46 | 1 14 | 22 24 | 0 11 | 8 3 | 2 45 | 14 46 | 0 21 | 19 9 | 0 11 | 10 52 | 16 50 | 21 11 | 21 30 | 9 20 | 11 37 | 0 12 |
| W11 | 10 31 | 11 57 | 3 29 | 11 58 | 0n 9 | 6 45 | 1 13 | 11 41 | 1 11 | 22 26 | 0 11 | 8 1 | 2 45 | 14 47 | 0 21 | 19 9 | 0 11 | 10 52 | 16 50 | 21 10 | 21 29 | 9 22 | 11 38 | 0 12 |
| T 12 | 10 51 | 15 25 | 2 38 | 12 53 | 0 20 | 7 14 | 1 12 | 11 37 | 1 9 | 22 27 | 0 11 | 8 0 | 2 45 | 14 49 | 0 21 | 19 9 | 0 11 | 10 51 | 16 50 | 21 9 | 21 29 | 9 24 | 11 39 | 0 12 |
| F 13 | 11 12 | 18 17 | 1 39 | 13 47 | 0 30 | 7 43 | 1 10 | 11 32 | 1 6 | 22 28 | 0 11 | 7 58 | 2 45 | 14 50 | 0 21 | 19 9 | 0 11 | 10 51 | 16 50 | 21 8 | 21 28 | 9 26 | 11 41 | 0 12 |
| S 14 | 11 33 | 20 23 | 0 35 | 14 39 | 0 41 | 8 12 | 1 9 | 11 27 | 1 4 | 22 30 | 0 11 | 7 57 | 2 45 | 14 51 | 0 21 | 19 9 | 0 11 | 10 50 | 16 50 | 21 8 | 21 28 | 9 28 | 11 42 | 0 12 |
| S 15 | 11 53 | 21 34 | 0s31 | 15 30 | 0 51 | 8 41 | 1 7 | 11 22 | 1 1 | 22 31 | 0 11 | 7 55 | 2 45 | 14 52 | 0 21 | 19 9 | 0 11 | 10 50 | 16 50 | 21 8 | 21 27 | 9 30 | 11 43 | 0 13 |
| M16 | 12 14 | 21 44 | 1 37 | 16 20 | 1 2 | 9 9 | 1 6 | 11 17 | 0 59 | 22 33 | 0 11 | 7 53 | 2 45 | 14 53 | 0 21 | 19 9 | 0 11 | 10 50 | 16 50 | 21 8 | 21 26 | 9 32 | 11 45 | 0 13 |
| T 17 | 12 34 | 20 49 | 2 39 | 17 7 | 1 11 | 9 37 | 1 4 | 11 12 | 0 56 | 22 34 | 0 10 | 7 52 | 2 45 | 14 54 | 0 21 | 19 9 | 0 11 | 10 49 | 16 50 | 21 8 | 21 26 | 9 34 | 11 46 | 0 13 |
| W18 | 12 53 | 18 49 | 3 35 | 17 53 | 1 21 | 10 5 | 1 3 | 11 7 | 0 53 | 22 36 | 0 10 | 7 50 | 2 45 | 14 55 | 0 21 | 19 9 | 0 11 | 10 49 | 16 51 | 21 9 | 21 25 | 9 37 | 11 47 | 0 13 |
| T 19 | 13 13 | 15 48 | 4 22 | 18 36 | 1 30 | 10 33 | 1 1 | 11 1 | 0 51 | 22 37 | 0 10 | 7 49 | 2 45 | 14 56 | 0 21 | 19 9 | 0 11 | 10 48 | 16 51 | 21 9 | 21 25 | 9 39 | 11 49 | 0 13 |
| F 20 | 13 32 | 11 53 | 4 55 | 19 17 | 1 38 | 11 1 | 0 59 | 10 56 | 0 48 | 22 38 | 0 10 | 7 47 | 2 45 | 14 57 | 0 21 | 19 8 | 0 11 | 10 48 | 16 51 | 21 9 | 21 24 | 9 41 | 11 50 | 0 13 |
| S 21 | 13 52 | 7 13 | 5 12 | 19 56 | 1 46 | 11 28 | 0 57 | 10 51 | 0 45 | 22 40 | 0 10 | 7 46 | 2 44 | 14 58 | 0 21 | 19 8 | 0 11 | 10 48 | 16 51 | 21 9 | 21 24 | 9 43 | 11 51 | 0 13 |
| S 22 | 14 11 | 2 2 | 5 11 | 20 32 | 1 53 | 11 55 | 0 56 | 10 46 | 0 42 | 22 41 | 0 10 | 7 44 | 2 44 | 14 59 | 0 20 | 19 8 | 0 11 | 10 47 | 16 51 | 21 8 | 21 23 | 9 45 | 11 53 | 0 13 |
| M23 | 14 29 | 3s24 | 4 49 | 21 6 | 2 0 | 12 21 | 0 54 | 10 41 | 0 40 | 22 42 | 0 10 | 7 43 | 2 44 | 15 0 | 0 20 | 19 8 | 0 11 | 10 47 | 16 51 | 21 8 | 21 23 | 9 47 | 11 54 | 0 13 |
| T 24 | 14 48 | 8 44 | 4 7 | 21 37 | 2 6 | 12 48 | 0 52 | 10 36 | 0 37 | 22 44 | 0 10 | 7 41 | 2 44 | 15 2 | 0 20 | 19 8 | 0 11 | 10 47 | 16 51 | 21 7 | 21 22 | 9 49 | 11 55 | 0 13 |
| W25 | 15 6 | 13 36 | 3 8 | 22 6 | 2 11 | 13 14 | 0 50 | 10 32 | 0 34 | 22 45 | 0 10 | 7 40 | 2 44 | 15 3 | 0 20 | 19 8 | 0 11 | 10 46 | 16 52 | 21 6 | 21 21 | 9 51 | 11 56 | 0 13 |
| T 26 | 15 24 | 17 34 | 1 56 | 22 32 | 2 15 | 13 40 | 0 48 | 10 27 | 0 31 | 22 46 | 0 9 | 7 38 | 2 44 | 15 4 | 0 20 | 19 8 | 0 11 | 10 46 | 16 52 | 21 6 | 21 21 | 9 53 | 11 58 | 0 13 |
| F 27 | 15 42 | 20 19 | 0 36 | 22 56 | 2 18 | 14 5 | 0 46 | 10 22 | 0 28 | 22 48 | 0 9 | 7 37 | 2 44 | 15 5 | 0 20 | 19 8 | 0 11 | 10 46 | 16 52 | 21 6 | 21 20 | 9 55 | 11 59 | 0 13 |
| S 28 | 15 59 | 21 39 | 0n44 | 23 17 | 2 21 | 14 30 | 0 44 | 10 18 | 0 25 | 22 49 | 0 9 | 7 35 | 2 44 | 15 6 | 0 20 | 19 8 | 0 11 | 10 45 | 16 52 | 21 6 | 21 20 | 9 57 | 12 0 | 0 14 |
| S 29 | 16 17 | 21 31 | 2 0 | 23 36 | 2 23 | 14 55 | 0 42 | 10 13 | 0 22 | 22 50 | 0 9 | 7 34 | 2 44 | 15 7 | 0 20 | 19 7 | 0 11 | 10 45 | 16 52 | 21 6 | 21 19 | 9 59 | 12 2 | 0 14 |
| M30 | 16n33 | 20s 4 | 3n 6 | 23n52 | 2n24 | 15n19 | 0s40 | 10s 9 | 0n20 | 22n51 | 0s 9 | 7s33 | 2n44 | 15n 8 | 0s20 | 19n 7 | 0n11 | 10s45 | 16s52 | 21s 6 | 21s19 | 10n 2 | 12n 3 | 0s14 |

Julian Day Number = 2122923.5, Delta T = 17m42s
Ecliptic obliquity = 23°33'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'49, Lahiri = 11°18'50 Julian Calendar 1 Apr. 1100 == Greg. Calendar 8 Apr. 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## MAY 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 0 38 | 16♉27'05 | 23♋39 | 7♊56 | 14♉41 | 26°R42 | 18♊10 | 25°R55 | 11♉54 | 5♌41 | 12♈ 2 | 4♐18 | 5♐22 | 16♈24 | 2♉10 | T 1 |
| W 2 | 15 4 34 | 17°24'43 | 6♒35 | 9°16 | 15°55 | 26♎24 | 18°22 | 25♎51 | 11°57 | 5°42 | 12° 4 | 4°19 | 5°19 | 16°31 | 2°14 | W 2 |
| T 3 | 15 8 31 | 18°22'19 | 19°10 | 10°33 | 17° 9 | 26° 6 | 18°35 | 25°47 | 12° 1 | 5°42 | 12° 5 | 4°R20 | 5°16 | 16°37 | 2°18 | T 3 |
| F 4 | 15 12 27 | 19°19'55 | 1♓28 | 11°46 | 18°23 | 25°49 | 18°48 | 25°43 | 12° 4 | 5°43 | 12° 6 | 4°19 | 5°13 | 16°44 | 2°22 | F 4 |
| S 5 | 15 16 24 | 20°17'30 | 13°33 | 12°55 | 19°36 | 25°33 | 19° 0 | 25°39 | 12° 7 | 5°44 | 12° 7 | 4°18 | 5°10 | 16°51 | 2°26 | S 5 |
| S 6 | 15 20 20 | 21°15'04 | 25°29 | 14° 0 | 20°50 | 25°17 | 19°13 | 25°35 | 12°11 | 5°45 | 12° 8 | 4°17 | 5° 6 | 16°57 | 2°29 | S 6 |
| M 7 | 15 24 17 | 22°12'37 | 7♈19 | 15° 2 | 22° 4 | 25° 2 | 19°26 | 25°31 | 12°14 | 5°46 | 12° 9 | 4°15 | 5° 3 | 17° 4 | 2°33 | M 7 |
| T 8 | 15 28 13 | 23°10'09 | 19° 9 | 15°59 | 23°18 | 24°47 | 19°39 | 25°27 | 12°18 | 5°46 | 12°10 | 4°13 | 5° 0 | 17°11 | 2°37 | T 8 |
| W 9 | 15 32 10 | 24° 7'39 | 1♉ 0 | 16°53 | 24°31 | 24°34 | 19°52 | 25°24 | 12°21 | 5°47 | 12°12 | 4°12 | 4°57 | 17°17 | 2°41 | W 9 |
| T 10 | 15 36 7 | 25° 5'09 | 12°56 | 17°43 | 25°45 | 24°21 | 20° 5 | 25°20 | 12°25 | 5°48 | 12°13 | 4°11 | 4°54 | 17°24 | 2°45 | T 10 |
| F 11 | 15 40 3 | 26° 2'38 | 24°58 | 18°29 | 26°59 | 24° 8 | 20°18 | 25°16 | 12°28 | 5°49 | 12°14 | 4°10 | 4°51 | 17°31 | 2°48 | F 11 |
| S 12 | 15 44 0 | 27° 0'06 | 7♊ 8 | 19°10 | 28°13 | 23°57 | 20°31 | 25°13 | 12°32 | 5°50 | 12°15 | 4°D10 | 4°47 | 17°37 | 2°52 | S 12 |
| S 13 | 15 47 56 | 27°57'33 | 19°29 | 19°47 | 29°26 | 23°46 | 20°44 | 25° 9 | 12°35 | 5°51 | 12°16 | 4°10 | 4°44 | 17°44 | 2°56 | S 13 |
| M14 | 15 51 53 | 28°54'59 | 2♋ 1 | 20°20 | 0♊40 | 23°36 | 20°57 | 25° 6 | 12°38 | 5°52 | 12°17 | 4°11 | 4°41 | 17°51 | 2°59 | M14 |
| T 15 | 15 55 49 | 29°52'24 | 14°47 | 20°49 | 1°54 | 23°27 | 21°10 | 25° 3 | 12°42 | 5°54 | 12°18 | 4°11 | 4°38 | 17°57 | 3° 3 | T 15 |
| W16 | 15 59 46 | 0♊49'48 | 27°48 | 21°13 | 3° 8 | 23°19 | 21°23 | 25° 0 | 12°45 | 5°55 | 12°19 | 4°12 | 4°35 | 18° 4 | 3° 7 | W16 |
| T 17 | 16 3 43 | 1°47'10 | 11♌ 4 | 21°32 | 4°21 | 23°12 | 21°36 | 24°56 | 12°48 | 5°56 | 12°20 | 4°12 | 4°31 | 18°11 | 3°10 | T 17 |
| F 18 | 16 7 39 | 2°44'32 | 24°39 | 21°47 | 5°35 | 23° 5 | 21°50 | 24°53 | 12°52 | 5°57 | 12°21 | 4°12 | 4°28 | 18°18 | 3°14 | F 18 |
| S 19 | 16 11 36 | 3°41'52 | 8♍31 | 21°57 | 6°49 | 22°59 | 22° 3 | 24°50 | 12°55 | 5°58 | 12°22 | 4°12 | 4°25 | 18°24 | 3°18 | S 19 |
| S 20 | 16 15 32 | 4°39'11 | 22°41 | 22° 3 | 8° 2 | 22°55 | 22°16 | 24°47 | 12°58 | 6° 0 | 12°23 | 4°12 | 4°22 | 18°31 | 3°21 | S 20 |
| M21 | 16 19 29 | 5°36'29 | 7♎ 7 | 22°R 4 | 9°16 | 22°50 | 22°29 | 24°44 | 13° 2 | 6° 1 | 12°24 | 4°12 | 4°19 | 18°38 | 3°25 | M21 |
| T 22 | 16 23 25 | 6°33'46 | 21°45 | 22° 1 | 10°30 | 22°47 | 22°43 | 24°42 | 13° 5 | 6° 2 | 12°25 | 4°12 | 4°16 | 18°44 | 3°28 | T 22 |
| W23 | 16 27 22 | 7°31'02 | 6♏30 | 21°53 | 11°43 | 22°45 | 22°56 | 24°39 | 13° 8 | 6° 3 | 12°26 | 4°13 | 4°12 | 18°51 | 3°32 | W23 |
| T 24 | 16 31 18 | 8°28'17 | 21°17 | 21°41 | 12°57 | 22°43 | 23° 9 | 24°36 | 13°11 | 6° 5 | 12°26 | 4°13 | 4° 9 | 18°58 | 3°35 | T 24 |
| F 25 | 16 35 15 | 9°25'32 | 5♐58 | 21°25 | 14°11 | 22°D42 | 23°23 | 24°34 | 13°15 | 6° 6 | 12°27 | 4°R13 | 4° 6 | 19° 4 | 3°39 | F 25 |
| S 26 | 16 39 12 | 10°22'45 | 20°26 | 21° 5 | 15°24 | 22°42 | 23°36 | 24°31 | 13°18 | 6° 8 | 12°28 | 4°13 | 4° 3 | 19°11 | 3°42 | S 26 |
| S 27 | 16 43 8 | 11°19'59 | 4♑35 | 20°42 | 16°38 | 22°43 | 23°50 | 24°29 | 13°21 | 6° 9 | 12°29 | 4°12 | 4° 0 | 19°18 | 3°45 | S 27 |
| M28 | 16 47 5 | 12°17'12 | 18°23 | 20°16 | 17°52 | 22°45 | 24° 3 | 24°27 | 13°24 | 6°10 | 12°30 | 4°11 | 3°57 | 19°24 | 3°49 | M28 |
| T 29 | 16 51 1 | 13°14'25 | 1♒47 | 19°47 | 19° 5 | 22°47 | 24°17 | 24°24 | 13°27 | 6°12 | 12°31 | 4°10 | 3°53 | 19°31 | 3°52 | T 29 |
| W30 | 16 54 58 | 14°11'37 | 14°48 | 19°15 | 20°19 | 22°50 | 24°30 | 24°22 | 13°31 | 6°13 | 12°31 | 4° 9 | 3°50 | 19°38 | 3°55 | W30 |
| T 31 | 16 58 54 | 15♊ 8'49 | 27♒26 | 18♊42 | 21♊33 | 22♎54 | 24♊44 | 24♎20 | 13♉34 | 6♌15 | 12♈32 | 4♐ 8 | 3♐47 | 19♈44 | 3♉58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n50 | 17s32 | 4n 0 | 24n 7 | 2n24 | 15n43 | 0s38 | 10s 5 | 0n17 | 22n53 | 0s 9 | 7s31 | 2n44 | 15n 9 | 0s20 | 19n 7 | 0n11 | 10s44 | 16s53 | 21s 6 | 21s18 | 10n 4 | 12n 4 | 0s14 |
| W 2 | 17 7 | 14 12 | 4 40 | 24 19 | 2 24 | 16 7 | 0 35 | 10 1 | 0 14 | 22 54 | 0 9 | 7 30 | 2 43 | 15 10 | 0 20 | 19 7 | 0 11 | 10 44 | 16 53 | 21 7 | 21 18 | 10 6 | 12 5 | 0 14 |
| T 3 | 17 23 | 10 19 | 5 5 | 24 29 | 2 22 | 16 30 | 0 33 | 9 57 | 0 11 | 22 55 | 0 9 | 7 28 | 2 43 | 15 11 | 0 20 | 19 7 | 0 11 | 10 44 | 16 53 | 21 7 | 21 17 | 10 8 | 12 7 | 0 14 |
| F 4 | 17 39 | 6 5 | 5 16 | 24 37 | 2 20 | 16 53 | 0 31 | 9 54 | 0 8 | 22 56 | 0 8 | 7 27 | 2 43 | 15 12 | 0 20 | 19 7 | 0 11 | 10 44 | 16 53 | 21 7 | 21 16 | 10 10 | 12 8 | 0 14 |
| S 5 | 17 54 | 1 42 | 5 12 | 24 43 | 2 16 | 17 15 | 0 29 | 9 50 | 0 5 | 22 58 | 0 8 | 7 26 | 2 43 | 15 13 | 0 20 | 19 6 | 0 11 | 10 43 | 16 53 | 21 6 | 21 16 | 10 12 | 12 9 | 0 14 |
| S 6 | 18 10 | 2n42 | 4 55 | 24 47 | 2 12 | 17 37 | 0 27 | 9 47 | 0 2 | 22 59 | 0 8 | 7 25 | 2 43 | 15 15 | 0 20 | 19 6 | 0 11 | 10 43 | 16 54 | 21 6 | 21 15 | 10 14 | 12 10 | 0 14 |
| M 7 | 18 25 | 6 59 | 4 25 | 24 49 | 2 7 | 17 59 | 0 24 | 9 44 | 0s 0 | 23 0 | 0 8 | 7 23 | 2 43 | 15 16 | 0 20 | 19 6 | 0 11 | 10 43 | 16 54 | 21 6 | 21 15 | 10 16 | 12 12 | 0 14 |
| T 8 | 18 39 | 10 59 | 3 44 | 24 49 | 2 1 | 18 20 | 0 22 | 9 42 | 0 3 | 23 1 | 0 8 | 7 22 | 2 43 | 15 17 | 0 20 | 19 6 | 0 11 | 10 43 | 16 54 | 21 5 | 21 14 | 10 18 | 12 13 | 0 14 |
| W 9 | 18 54 | 14 35 | 2 54 | 24 48 | 1 54 | 18 40 | 0 20 | 9 39 | 0 6 | 23 2 | 0 8 | 7 21 | 2 42 | 15 18 | 0 20 | 19 6 | 0 11 | 10 42 | 16 54 | 21 5 | 21 13 | 10 20 | 12 14 | 0 14 |
| T 10 | 19 8 | 17 37 | 1 55 | 24 45 | 1 47 | 19 0 | 0 17 | 9 37 | 0 9 | 23 3 | 0 8 | 7 20 | 2 42 | 15 19 | 0 20 | 19 5 | 0 11 | 10 42 | 16 54 | 21 5 | 21 13 | 10 22 | 12 15 | 0 14 |
| F 11 | 19 22 | 19 55 | 0 51 | 24 41 | 1 38 | 19 20 | 0 15 | 9 35 | 0 11 | 23 4 | 0 8 | 7 19 | 2 42 | 15 20 | 0 20 | 19 5 | 0 11 | 10 42 | 16 55 | 21 5 | 21 12 | 10 24 | 12 17 | 0 15 |
| S 12 | 19 35 | 21 20 | 0s16 | 24 35 | 1 29 | 19 39 | 0 13 | 9 33 | 0 14 | 23 5 | 0 8 | 7 17 | 2 42 | 15 21 | 0 20 | 19 5 | 0 11 | 10 42 | 16 55 | 21 5 | 21 12 | 10 26 | 12 18 | 0 15 |
| S 13 | 19 48 | 21 44 | 1 24 | 24 28 | 1 18 | 19 57 | 0 10 | 9 32 | 0 17 | 23 6 | 0 7 | 7 16 | 2 42 | 15 22 | 0 20 | 19 5 | 0 11 | 10 42 | 16 55 | 21 5 | 21 11 | 10 28 | 12 19 | 0 15 |
| M14 | 20 1 | 21 4 | 2 29 | 24 19 | 1 7 | 20 15 | 0 8 | 9 30 | 0 19 | 23 7 | 0 7 | 7 15 | 2 42 | 15 23 | 0 20 | 19 4 | 0 11 | 10 41 | 16 55 | 21 5 | 21 11 | 10 30 | 12 20 | 0 15 |
| T 15 | 20 13 | 19 18 | 3 27 | 24 9 | 0 55 | 20 33 | 0 6 | 9 29 | 0 22 | 23 8 | 0 7 | 7 14 | 2 41 | 15 24 | 0 20 | 19 4 | 0 11 | 10 41 | 16 56 | 21 5 | 21 10 | 10 32 | 12 21 | 0 15 |
| W16 | 20 25 | 16 31 | 4 16 | 23 58 | 0 43 | 20 50 | 0 3 | 9 29 | 0 24 | 23 9 | 0 7 | 7 13 | 2 41 | 15 25 | 0 20 | 19 4 | 0 11 | 10 41 | 16 56 | 21 5 | 21 9 | 10 34 | 12 23 | 0 15 |
| T 17 | 20 37 | 12 51 | 4 52 | 23 46 | 0 29 | 21 6 | 0 1 | 9 28 | 0 27 | 23 10 | 0 7 | 7 12 | 2 41 | 15 26 | 0 20 | 19 3 | 0 11 | 10 41 | 16 56 | 21 5 | 21 9 | 10 36 | 12 24 | 0 15 |
| F 18 | 20 49 | 8 27 | 5 13 | 23 33 | 0 15 | 21 22 | 0n 1 | 9 28 | 0 29 | 23 11 | 0 7 | 7 11 | 2 41 | 15 27 | 0 20 | 19 3 | 0 11 | 10 41 | 16 56 | 21 5 | 21 8 | 10 38 | 12 25 | 0 15 |
| S 19 | 21 0 | 3 31 | 5 17 | 23 19 | 0 1 | 21 37 | 0 4 | 9 28 | 0 32 | 23 12 | 0 7 | 7 10 | 2 41 | 15 28 | 0 20 | 19 3 | 0 11 | 10 41 | 16 57 | 21 5 | 21 8 | 10 40 | 12 26 | 0 15 |
| S 20 | 21 10 | 1s41 | 5 1 | 23 4 | 0s15 | 21 51 | 0 6 | 9 29 | 0 34 | 23 13 | 0 7 | 7 10 | 2 40 | 15 29 | 0 20 | 19 3 | 0 11 | 10 41 | 16 57 | 21 5 | 21 7 | 10 42 | 12 27 | 0 15 |
| M21 | 21 21 | 6 55 | 4 27 | 22 48 | 0 31 | 22 5 | 0 9 | 9 29 | 0 36 | 23 14 | 0 7 | 7 9 | 2 40 | 15 30 | 0 20 | 19 2 | 0 11 | 10 41 | 16 57 | 21 5 | 21 6 | 10 44 | 12 28 | 0 15 |
| T 22 | 21 31 | 11 50 | 3 35 | 22 32 | 0 47 | 22 19 | 0 11 | 9 30 | 0 39 | 23 15 | 0 7 | 7 8 | 2 40 | 15 31 | 0 20 | 19 2 | 0 11 | 10 40 | 16 58 | 21 5 | 21 6 | 10 46 | 12 29 | 0 15 |
| W23 | 21 40 | 16 5 | 2 28 | 22 15 | 1 3 | 22 31 | 0 13 | 9 31 | 0 41 | 23 15 | 0 6 | 7 7 | 2 40 | 15 32 | 0 20 | 19 2 | 0 11 | 10 40 | 16 58 | 21 5 | 21 5 | 10 48 | 12 30 | 0 16 |
| T 24 | 21 49 | 19 19 | 1 11 | 21 57 | 1 20 | 22 43 | 0 16 | 9 33 | 0 43 | 23 16 | 0 6 | 7 6 | 2 40 | 15 33 | 0 20 | 19 1 | 0 11 | 10 40 | 16 58 | 21 5 | 21 5 | 10 50 | 12 32 | 0 16 |
| F 25 | 21 58 | 21 15 | 0n10 | 21 40 | 1 37 | 22 55 | 0 18 | 9 35 | 0 45 | 23 17 | 0 6 | 7 6 | 2 39 | 15 34 | 0 20 | 19 1 | 0 11 | 10 40 | 16 58 | 21 5 | 21 4 | 10 52 | 12 33 | 0 16 |
| S 26 | 22 7 | 21 44 | 1 29 | 21 21 | 1 54 | 23 5 | 0 20 | 9 37 | 0 48 | 23 18 | 0 6 | 7 5 | 2 39 | 15 35 | 0 20 | 19 1 | 0 11 | 10 40 | 16 59 | 21 5 | 21 4 | 10 54 | 12 34 | 0 16 |
| S 27 | 22 15 | 20 48 | 2 41 | 21 3 | 2 11 | 23 15 | 0 23 | 9 39 | 0 50 | 23 19 | 0 6 | 7 4 | 2 39 | 15 36 | 0 20 | 19 0 | 0 11 | 10 40 | 16 59 | 21 5 | 21 3 | 10 56 | 12 35 | 0 16 |
| M28 | 22 23 | 18 38 | 3 41 | 20 45 | 2 27 | 23 25 | 0 25 | 9 41 | 0 52 | 23 19 | 0 6 | 7 4 | 2 39 | 15 37 | 0 20 | 19 0 | 0 11 | 10 40 | 16 59 | 21 5 | 21 2 | 10 58 | 12 36 | 0 16 |
| T 29 | 22 30 | 15 30 | 4 28 | 20 27 | 2 43 | 23 33 | 0 27 | 9 44 | 0 54 | 23 20 | 0 6 | 7 3 | 2 38 | 15 38 | 0 20 | 19 0 | 0 11 | 10 40 | 17 0 | 21 5 | 21 2 | 11 0 | 12 37 | 0 16 |
| W30 | 22 37 | 11 42 | 4 59 | 20 9 | 2 59 | 23 41 | 0 30 | 9 47 | 0 56 | 23 21 | 0 6 | 7 2 | 2 38 | 15 39 | 0 20 | 18 59 | 0 11 | 10 40 | 17 0 | 21 5 | 21 1 | 11 2 | 12 38 | 0 16 |
| T 31 | 22n43 | 7s30 | 5n15 | 19n52 | 3s13 | 23n49 | 0n32 | 9s50 | 0s58 | 23n21 | 0s 6 | 7s 2 | 2n38 | 15n40 | 0s20 | 18n59 | 0n11 | 10s40 | 17s 0 | 21s 5 | 21s 1 | 11n 4 | 12n39 | 0s16 |

Julian Day Number = 2122953.5, Delta T = 17m41s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'54, Lahiri = 11°18'54 Julian Calendar 1 May 1100 == Greg. Calendar 8 May 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## JUNE 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 2 51 | 16♊ 6'01 | 9♓47 | 18°R 8 | 22♊46 | 22♎59 | 24♊57 | 24°R18 | 13♉37 | 6♌16 | 12♈33 | 4°R 8 | 3♐44 | 19♈51 | 4♉ 2 | F 1 |
| S 2 | 17 6 47 | 17° 3'12 | 21°53 | 17♊34 | 24° 0 | 23° 5 | 25°11 | 24♎16 | 13°40 | 6°18 | 12°34 | 4°D 8 | 3°41 | 19°58 | 4° 5 | S 2 |
| S 3 | 17 10 44 | 18° 0'24 | 3♈49 | 16°59 | 25°14 | 23°11 | 25°24 | 24°14 | 13°43 | 6°20 | 12°34 | 4♐ 8 | 3°37 | 20° 5 | 4° 8 | S 3 |
| M 4 | 17 14 41 | 18°57'36 | 15°40 | 16°25 | 26°28 | 23°18 | 25°38 | 24°13 | 13°46 | 6°21 | 12°35 | 4° 9 | 3°34 | 20°11 | 4°11 | M 4 |
| T 5 | 17 18 37 | 19°54'47 | 27°30 | 15°52 | 27°41 | 23°25 | 25°51 | 24°11 | 13°49 | 6°23 | 12°36 | 4°11 | 3°31 | 20°18 | 4°14 | T 5 |
| W 6 | 17 22 34 | 20°51'59 | 9♉24 | 15°21 | 28°55 | 23°34 | 26° 5 | 24°10 | 13°52 | 6°25 | 12°36 | 4°12 | 3°28 | 20°25 | 4°17 | W 6 |
| T 7 | 17 26 30 | 21°49'10 | 21°25 | 14°52 | 0♋ 9 | 23°43 | 26°18 | 24° 8 | 13°55 | 6°26 | 12°37 | 4°13 | 3°25 | 20°31 | 4°20 | T 7 |
| F 8 | 17 30 27 | 22°46'22 | 3♊36 | 14°26 | 1°22 | 23°53 | 26°32 | 24° 7 | 13°58 | 6°28 | 12°37 | 4°R13 | 3°22 | 20°38 | 4°23 | F 8 |
| S 9 | 17 34 23 | 23°43'33 | 16° 0 | 14° 4 | 2°36 | 24° 3 | 26°45 | 24° 6 | 14° 0 | 6°30 | 12°38 | 4°13 | 3°18 | 20°45 | 4°26 | S 9 |
| S 10 | 17 38 20 | 24°40'44 | 28°38 | 13°45 | 3°50 | 24°15 | 26°59 | 24° 5 | 14° 3 | 6°31 | 12°39 | 4°12 | 3°15 | 20°51 | 4°29 | S 10 |
| M11 | 17 42 16 | 25°37'56 | 11♋31 | 13°29 | 5° 3 | 24°27 | 27°13 | 24° 4 | 14° 6 | 6°33 | 12°39 | 4° 9 | 3°12 | 20°58 | 4°32 | M11 |
| T 12 | 17 46 13 | 26°35'07 | 24°38 | 13°19 | 6°17 | 24°39 | 27°26 | 24° 3 | 14° 9 | 6°35 | 12°40 | 4° 6 | 3° 9 | 21° 5 | 4°35 | T 12 |
| W13 | 17 50 10 | 27°32'18 | 7♌59 | 13°12 | 7°31 | 24°52 | 27°40 | 24° 2 | 14°12 | 6°37 | 12°40 | 4° 3 | 3° 6 | 21°11 | 4°37 | W13 |
| T 14 | 17 54 6 | 28°29'28 | 21°34 | 13°D11 | 8°44 | 25° 6 | 27°53 | 24° 1 | 14°14 | 6°39 | 12°41 | 4° 0 | 3° 3 | 21°18 | 4°40 | T 14 |
| F 15 | 17 58 3 | 29°26'39 | 5♍20 | 13°14 | 9°58 | 25°21 | 28° 7 | 24° 0 | 14°17 | 6°40 | 12°41 | 3°57 | 2°59 | 21°25 | 4°43 | F 15 |
| S 16 | 18 1 59 | 0♋23'49 | 19°18 | 13°22 | 11°12 | 25°36 | 28°21 | 24° 0 | 14°20 | 6°42 | 12°42 | 3°56 | 2°56 | 21°31 | 4°45 | S 16 |
| S 17 | 18 5 56 | 1°20'59 | 3♎24 | 13°36 | 12°25 | 25°51 | 28°34 | 23°59 | 14°22 | 6°44 | 12°42 | 3°D55 | 2°53 | 21°38 | 4°48 | S 17 |
| M18 | 18 9 52 | 2°18'08 | 17°37 | 13°54 | 13°39 | 26° 8 | 28°48 | 23°59 | 14°25 | 6°46 | 12°42 | 3°56 | 2°50 | 21°45 | 4°50 | M18 |
| T 19 | 18 13 49 | 3°15'18 | 1♏56 | 14°18 | 14°53 | 26°25 | 29° 1 | 23°59 | 14°28 | 6°48 | 12°43 | 3°57 | 2°47 | 21°51 | 4°53 | T 19 |
| W20 | 18 17 45 | 4°12'28 | 16°17 | 14°47 | 16° 6 | 26°42 | 29°15 | 23°58 | 14°30 | 6°50 | 12°43 | 3°58 | 2°43 | 21°58 | 4°55 | W20 |
| T 21 | 18 21 42 | 5° 9'37 | 0♐37 | 15°21 | 17°20 | 27° 0 | 29°28 | 23°D58 | 14°33 | 6°52 | 12°44 | 3°R59 | 2°40 | 22° 5 | 4°58 | T 21 |
| F 22 | 18 25 39 | 6° 6'47 | 14°53 | 16° 0 | 18°34 | 27°19 | 29°42 | 23°58 | 14°35 | 6°54 | 12°44 | 3°59 | 2°37 | 22°11 | 5° 0 | F 22 |
| S 23 | 18 29 35 | 7° 3'57 | 29° 0 | 16°44 | 19°47 | 27°38 | 29°55 | 23°59 | 14°38 | 6°56 | 12°44 | 3°57 | 2°34 | 22°18 | 5° 3 | S 23 |
| S 24 | 18 33 32 | 8° 1'08 | 12♑54 | 17°33 | 21° 1 | 27°57 | 0♋ 9 | 23°59 | 14°40 | 6°58 | 12°44 | 3°53 | 2°31 | 22°25 | 5° 5 | S 24 |
| M25 | 18 37 28 | 8°58'18 | 26°31 | 18°27 | 22°15 | 28°17 | 0°22 | 23°59 | 14°42 | 7° 0 | 12°45 | 3°49 | 2°28 | 22°31 | 5° 7 | M25 |
| T 26 | 18 41 25 | 9°55'29 | 9♒49 | 19°26 | 23°28 | 28°38 | 0°36 | 24° 0 | 14°45 | 7° 2 | 12°45 | 3°43 | 2°24 | 22°38 | 5° 9 | T 26 |
| W27 | 18 45 21 | 10°52'41 | 22°47 | 20°30 | 24°42 | 28°59 | 0°49 | 24° 0 | 14°47 | 7° 4 | 12°45 | 3°37 | 2°21 | 22°45 | 5°11 | W27 |
| T 28 | 18 49 18 | 11°49'53 | 5♓26 | 21°38 | 25°56 | 29°21 | 1° 3 | 24° 1 | 14°49 | 7° 6 | 12°45 | 3°32 | 2°18 | 22°52 | 5°14 | T 28 |
| F 29 | 18 53 14 | 12°47'06 | 17°47 | 22°52 | 27° 9 | 29°43 | 1°16 | 24° 1 | 14°51 | 7° 8 | 12°45 | 3°27 | 2°15 | 22°58 | 5°16 | F 29 |
| S 30 | 18 57 11 | 13♋44'20 | 29♓53 | 24♊10 | 28♋23 | 0♏ 5 | 1♋29 | 24♎ 2 | 14♉54 | 7♌10 | 12♈46 | 3♐25 | 2♐12 | 23♈ 5 | 5♉18 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n50 | 3s 4 | 5n15 | 19n35 | 3s27 | 23n55 | 0n34 | 9s54 | 1s 0 | 23n22 | 0s 6 | 7s 1 | 2n38 | 15n41 | 0s20 | 18n58 | 0n11 | 10s40 | 17s 0 | 21s 4 | 21s 0 | 11n 6 | 12n40 | 0s16 |
| S 2 | 22 55 | 1n23 | 5 2 | 19 20 | 3 39 | 24 1 | 0 36 | 9 58 | 1 1 | 23 23 | 0 5 | 7 1 | 2 37 | 15 42 | 0 20 | 18 58 | 0 11 | 10 40 | 17 1 | 21 4 | 20 59 | 11 8 | 12 41 | 0 16 |
| S 3 | 23 1 | 5 44 | 4 35 | 19 5 | 3 51 | 24 7 | 0 38 | 10 2 | 1 3 | 23 23 | 0 5 | 7 0 | 2 37 | 15 42 | 0 20 | 18 58 | 0 11 | 10 40 | 17 1 | 21 5 | 20 59 | 11 10 | 12 42 | 0 17 |
| M 4 | 23 6 | 9 50 | 3 57 | 18 52 | 4 1 | 24 11 | 0 41 | 10 6 | 1 5 | 23 24 | 0 5 | 7 0 | 2 37 | 15 43 | 0 20 | 18 57 | 0 11 | 10 40 | 17 1 | 21 5 | 20 58 | 11 12 | 12 43 | 0 17 |
| T 5 | 23 10 | 13 35 | 3 9 | 18 39 | 4 10 | 24 15 | 0 43 | 10 10 | 1 7 | 23 24 | 0 5 | 7 0 | 2 37 | 15 44 | 0 20 | 18 57 | 0 11 | 10 40 | 17 2 | 21 5 | 20 58 | 11 14 | 12 44 | 0 17 |
| W 6 | 23 14 | 16 48 | 2 13 | 18 29 | 4 17 | 24 18 | 0 45 | 10 15 | 1 9 | 23 25 | 0 5 | 6 59 | 2 36 | 15 45 | 0 20 | 18 56 | 0 11 | 10 40 | 17 2 | 21 5 | 20 57 | 11 16 | 12 45 | 0 17 |
| T 7 | 23 18 | 19 20 | 1 10 | 18 20 | 4 23 | 24 20 | 0 47 | 10 20 | 1 10 | 23 25 | 0 5 | 6 59 | 2 36 | 15 46 | 0 20 | 18 56 | 0 11 | 10 40 | 17 2 | 21 5 | 20 56 | 11 18 | 12 46 | 0 17 |
| F 8 | 23 21 | 21 2 | 0 3 | 18 12 | 4 28 | 24 22 | 0 49 | 10 25 | 1 12 | 23 26 | 0 5 | 6 59 | 2 36 | 15 47 | 0 20 | 18 56 | 0 11 | 10 40 | 17 3 | 21 5 | 20 56 | 11 20 | 12 47 | 0 17 |
| S 9 | 23 24 | 21 45 | 1s 5 | 18 7 | 4 31 | 24 23 | 0 51 | 10 31 | 1 13 | 23 26 | 0 5 | 6 59 | 2 36 | 15 48 | 0 20 | 18 55 | 0 11 | 10 40 | 17 3 | 21 5 | 20 55 | 11 22 | 12 48 | 0 17 |
| S 10 | 23 27 | 21 22 | 2 11 | 18 3 | 4 33 | 24 23 | 0 53 | 10 36 | 1 15 | 23 27 | 0 5 | 6 58 | 2 35 | 15 49 | 0 20 | 18 55 | 0 11 | 10 41 | 17 3 | 21 5 | 20 54 | 11 24 | 12 48 | 0 17 |
| M11 | 23 29 | 19 53 | 3 11 | 18 1 | 4 33 | 24 22 | 0 55 | 10 42 | 1 17 | 23 27 | 0 5 | 6 58 | 2 35 | 15 49 | 0 20 | 18 54 | 0 11 | 10 41 | 17 4 | 21 5 | 20 54 | 11 26 | 12 49 | 0 17 |
| T 12 | 23 31 | 17 19 | 4 3 | 18 1 | 4 32 | 24 21 | 0 57 | 10 48 | 1 18 | 23 27 | 0 4 | 6 58 | 2 35 | 15 50 | 0 20 | 18 54 | 0 11 | 10 41 | 17 4 | 21 4 | 20 53 | 11 28 | 12 50 | 0 17 |
| W13 | 23 32 | 13 49 | 4 42 | 18 3 | 4 29 | 24 19 | 0 59 | 10 55 | 1 20 | 23 28 | 0 4 | 6 58 | 2 35 | 15 51 | 0 20 | 18 53 | 0 11 | 10 41 | 17 4 | 21 4 | 20 53 | 11 29 | 12 51 | 0 17 |
| T 14 | 23 33 | 9 32 | 5 7 | 18 6 | 4 25 | 24 16 | 1 1 | 11 1 | 1 21 | 23 28 | 0 4 | 6 58 | 2 34 | 15 52 | 0 20 | 18 53 | 0 11 | 10 41 | 17 5 | 21 3 | 20 52 | 11 31 | 12 52 | 0 18 |
| F 15 | 23 33 | 4 44 | 5 14 | 18 12 | 4 20 | 24 13 | 1 2 | 11 8 | 1 22 | 23 28 | 0 4 | 6 58 | 2 34 | 15 53 | 0 20 | 18 53 | 0 11 | 10 41 | 17 5 | 21 2 | 20 51 | 11 33 | 12 53 | 0 18 |
| S 16 | 23 33 | 0s23 | 5 3 | 18 19 | 4 14 | 24 9 | 1 4 | 11 14 | 1 24 | 23 29 | 0 4 | 6 58 | 2 34 | 15 53 | 0 20 | 18 52 | 0 11 | 10 41 | 17 5 | 21 2 | 20 51 | 11 35 | 12 53 | 0 18 |
| S 17 | 23 33 | 5 32 | 4 34 | 18 27 | 4 7 | 24 4 | 1 6 | 11 21 | 1 25 | 23 29 | 0 4 | 6 58 | 2 34 | 15 54 | 0 20 | 18 52 | 0 11 | 10 41 | 17 6 | 21 2 | 20 50 | 11 37 | 12 54 | 0 18 |
| M18 | 23 32 | 10 27 | 3 47 | 18 38 | 3 59 | 23 58 | 1 7 | 11 29 | 1 26 | 23 29 | 0 4 | 6 58 | 2 33 | 15 55 | 0 20 | 18 51 | 0 11 | 10 42 | 17 6 | 21 2 | 20 50 | 11 39 | 12 55 | 0 18 |
| T 19 | 23 31 | 14 48 | 2 47 | 18 49 | 3 50 | 23 52 | 1 9 | 11 36 | 1 28 | 23 29 | 0 4 | 6 58 | 2 33 | 15 56 | 0 20 | 18 51 | 0 11 | 10 42 | 17 6 | 21 2 | 20 49 | 11 41 | 12 56 | 0 18 |
| W20 | 23 29 | 18 19 | 1 36 | 19 2 | 3 40 | 23 45 | 1 11 | 11 44 | 1 29 | 23 30 | 0 4 | 6 59 | 2 33 | 15 57 | 0 20 | 18 50 | 0 11 | 10 42 | 17 7 | 21 3 | 20 48 | 11 43 | 12 56 | 0 18 |
| T 21 | 23 27 | 20 41 | 0 18 | 19 16 | 3 30 | 23 37 | 1 12 | 11 51 | 1 30 | 23 30 | 0 4 | 6 59 | 2 33 | 15 57 | 0 20 | 18 50 | 0 11 | 10 42 | 17 7 | 21 3 | 20 48 | 11 45 | 12 57 | 0 18 |
| F 22 | 23 25 | 21 43 | 0n59 | 19 32 | 3 18 | 23 29 | 1 14 | 11 59 | 1 31 | 23 30 | 0 3 | 6 59 | 2 32 | 15 58 | 0 20 | 18 49 | 0 11 | 10 42 | 17 7 | 21 3 | 20 47 | 11 47 | 12 58 | 0 18 |
| S 23 | 23 22 | 21 21 | 2 12 | 19 48 | 3 7 | 23 19 | 1 15 | 12 7 | 1 33 | 23 30 | 0 3 | 6 59 | 2 32 | 15 59 | 0 20 | 18 49 | 0 11 | 10 42 | 17 8 | 21 2 | 20 46 | 11 49 | 12 59 | 0 18 |
| S 24 | 23 19 | 19 40 | 3 16 | 20 4 | 2 54 | 23 10 | 1 16 | 12 15 | 1 34 | 23 30 | 0 3 | 7 0 | 2 32 | 15 59 | 0 20 | 18 48 | 0 11 | 10 43 | 17 8 | 21 2 | 20 46 | 11 50 | 12 59 | 0 18 |
| M25 | 23 15 | 16 54 | 4 8 | 20 22 | 2 42 | 22 59 | 1 18 | 12 23 | 1 35 | 23 30 | 0 3 | 7 0 | 2 32 | 16 0 | 0 20 | 18 48 | 0 11 | 10 43 | 17 8 | 21 1 | 20 45 | 11 52 | 13 0 | 0 19 |
| T 26 | 23 11 | 13 18 | 4 44 | 20 40 | 2 29 | 22 48 | 1 19 | 12 32 | 1 36 | 23 30 | 0 3 | 7 1 | 2 31 | 16 1 | 0 20 | 18 47 | 0 11 | 10 43 | 17 9 | 21 0 | 20 45 | 11 54 | 13 1 | 0 19 |
| W27 | 23 6 | 9 10 | 5 5 | 20 58 | 2 16 | 22 36 | 1 20 | 12 40 | 1 37 | 23 30 | 0 3 | 7 1 | 2 31 | 16 1 | 0 20 | 18 47 | 0 11 | 10 43 | 17 9 | 20 59 | 20 44 | 11 56 | 13 1 | 0 19 |
| T 28 | 23 2 | 4 45 | 5 11 | 21 16 | 2 2 | 22 24 | 1 21 | 12 49 | 1 38 | 23 30 | 0 3 | 7 1 | 2 31 | 16 2 | 0 20 | 18 46 | 0 11 | 10 44 | 17 10 | 20 58 | 20 43 | 11 58 | 13 2 | 0 19 |
| F 29 | 22 56 | 0 14 | 5 1 | 21 33 | 1 48 | 22 10 | 1 22 | 12 58 | 1 39 | 23 30 | 0 3 | 7 2 | 2 30 | 16 3 | 0 20 | 18 46 | 0 11 | 10 44 | 17 10 | 20 57 | 20 43 | 12 0 | 13 2 | 0 19 |
| S 30 | 22n51 | 4n12 | 4n38 | 21n51 | 1s35 | 21n57 | 1n23 | 13s 7 | 1s40 | 23n30 | 0s 3 | 7s 2 | 2n30 | 16n 3 | 0s20 | 18n45 | 0n11 | 10s44 | 17s10 | 20s56 | 20s42 | 12n 2 | 13n 3 | 0s19 |

Julian Day Number = 2122984.5, Delta T = 17m41s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'58, Lahiri = 11°18'58 Julian Calendar 1 June 1100 == Greg. Calendar 8 June 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## JULY 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 1 8 | 14♋41'34 | 11♈50 | 25♊32 | 29♋36 | 0♏28 | 1♋43 | 24♎ 3 | 14♉56 | 7♑12 | 12♈46 | 3°D24 | 2♐ 9 | 23♈12 | 5♉20 | S 1 |
| M 2 | 19 5 4 | 15°38'50 | 23°41 | 26°59 | 0♑50 | 0°51 | 1°56 | 24° 4 | 14°58 | 7°14 | 12°46 | 3♐24 | 2° 5 | 23°18 | 5°21 | M 2 |
| T 3 | 19 9 1 | 16°36'06 | 5♉31 | 28°30 | 2° 4 | 1°15 | 2°10 | 24° 5 | 15° 0 | 7°16 | 12°46 | 3°25 | 2° 2 | 23°25 | 5°23 | T 3 |
| W 4 | 19 12 57 | 17°33'23 | 17°27 | 0♌ 5 | 3°17 | 1°40 | 2°23 | 24° 6 | 15° 2 | 7°18 | 12°46 | 3°27 | 1°59 | 23°32 | 5°25 | W 4 |
| T 5 | 19 16 54 | 18°30'41 | 29°32 | 1°44 | 4°31 | 2° 4 | 2°36 | 24° 8 | 15° 4 | 7°20 | 12°46 | 3°R27 | 1°56 | 23°38 | 5°27 | T 5 |
| F 6 | 19 20 50 | 19°28'00 | 11♊51 | 3°27 | 5°45 | 2°29 | 2°49 | 24° 9 | 15° 6 | 7°23 | 12°46 | 3°27 | 1°53 | 23°45 | 5°28 | F 6 |
| S 7 | 19 24 47 | 20°25'20 | 24°26 | 5°13 | 6°58 | 2°55 | 3° 3 | 24°10 | 15° 8 | 7°25 | 12°R46 | 3°25 | 1°49 | 23°52 | 5°30 | S 7 |
| S 8 | 19 28 43 | 21°22'41 | 7♋20 | 7° 3 | 8°12 | 3°21 | 3°16 | 24°12 | 15°10 | 7°27 | 12°46 | 3°21 | 1°46 | 23°58 | 5°32 | S 8 |
| M 9 | 19 32 40 | 22°20'03 | 20°34 | 8°56 | 9°26 | 3°47 | 3°29 | 24°14 | 15°11 | 7°29 | 12°46 | 3°15 | 1°43 | 24° 5 | 5°33 | M 9 |
| T 10 | 19 36 37 | 23°17'26 | 4♌ 5 | 10°51 | 10°39 | 4°14 | 3°42 | 24°15 | 15°13 | 7°31 | 12°46 | 3° 7 | 1°40 | 24°12 | 5°35 | T 10 |
| W11 | 19 40 33 | 24°14'49 | 17°53 | 12°48 | 11°53 | 4°41 | 3°55 | 24°17 | 15°15 | 7°33 | 12°46 | 2°59 | 1°37 | 24°18 | 5°36 | W11 |
| T 12 | 19 44 30 | 25°12'13 | 1♍53 | 14°48 | 13° 6 | 5° 9 | 4° 8 | 24°19 | 15°17 | 7°36 | 12°46 | 2°51 | 1°34 | 24°25 | 5°37 | T 12 |
| F 13 | 19 48 26 | 26° 9'38 | 16° 1 | 16°49 | 14°20 | 5°37 | 4°21 | 24°21 | 15°18 | 7°38 | 12°46 | 2°44 | 1°30 | 24°32 | 5°39 | F 13 |
| S 14 | 19 52 23 | 27° 7'03 | 0♎13 | 18°52 | 15°34 | 6° 5 | 4°34 | 24°23 | 15°20 | 7°40 | 12°46 | 2°39 | 1°27 | 24°38 | 5°40 | S 14 |
| S 15 | 19 56 19 | 28° 4'30 | 14°25 | 20°56 | 16°47 | 6°33 | 4°47 | 24°26 | 15°21 | 7°42 | 12°45 | 2°36 | 1°24 | 24°45 | 5°41 | S 15 |
| M16 | 20 0 16 | 29° 1'57 | 28°36 | 23° 0 | 18° 1 | 7° 2 | 5° 0 | 24°28 | 15°23 | 7°44 | 12°45 | 2°D36 | 1°21 | 24°52 | 5°42 | M16 |
| T 17 | 20 4 12 | 29°59'24 | 12♏44 | 25° 4 | 19°14 | 7°32 | 5°13 | 24°30 | 15°24 | 7°47 | 12°45 | 2°36 | 1°18 | 24°58 | 5°43 | T 17 |
| W18 | 20 8 9 | 0♑56'53 | 26°47 | 27° 9 | 20°28 | 8° 1 | 5°26 | 24°33 | 15°26 | 7°49 | 12°45 | 2°R37 | 1°14 | 25° 5 | 5°44 | W18 |
| T 19 | 20 12 6 | 1°54'22 | 10♐44 | 29°13 | 21°42 | 8°31 | 5°39 | 24°36 | 15°27 | 7°51 | 12°45 | 2°37 | 1°11 | 25°12 | 5°45 | T 19 |
| F 20 | 20 16 2 | 2°51'53 | 24°34 | 1♑17 | 22°55 | 9° 1 | 5°52 | 24°38 | 15°28 | 7°53 | 12°44 | 2°35 | 1° 8 | 25°18 | 5°46 | F 20 |
| S 21 | 20 19 59 | 3°49'24 | 8♑16 | 3°20 | 24° 9 | 9°32 | 6° 4 | 24°41 | 15°30 | 7°55 | 12°44 | 2°30 | 1° 5 | 25°25 | 5°47 | S 21 |
| S 22 | 20 23 55 | 4°46'56 | 21°47 | 5°23 | 25°22 | 10° 3 | 6°17 | 24°44 | 15°31 | 7°58 | 12°44 | 2°23 | 1° 2 | 25°32 | 5°48 | S 22 |
| M23 | 20 27 52 | 5°44'30 | 5♒ 5 | 7°24 | 26°36 | 10°34 | 6°30 | 24°47 | 15°32 | 8° 0 | 12°43 | 2°14 | 0°59 | 25°38 | 5°49 | M23 |
| T 24 | 20 31 48 | 6°42'04 | 18° 9 | 9°25 | 27°49 | 11° 5 | 6°42 | 24°50 | 15°33 | 8° 2 | 12°43 | 2° 3 | 0°55 | 25°45 | 5°49 | T 24 |
| W25 | 20 35 45 | 7°39'40 | 0♓57 | 11°24 | 29° 3 | 11°37 | 6°55 | 24°53 | 15°34 | 8° 4 | 12°43 | 1°52 | 0°52 | 25°52 | 5°50 | W25 |
| T 26 | 20 39 41 | 8°37'18 | 13°29 | 13°22 | 0♍16 | 12° 9 | 7° 7 | 24°56 | 15°35 | 8° 7 | 12°42 | 1°42 | 0°49 | 25°58 | 5°51 | T 26 |
| F 27 | 20 43 38 | 9°34'56 | 25°46 | 15°19 | 1°30 | 12°41 | 7°20 | 24°59 | 15°36 | 8° 9 | 12°42 | 1°33 | 0°46 | 26° 5 | 5°51 | F 27 |
| S 28 | 20 47 35 | 10°32'37 | 7♈50 | 17°14 | 2°43 | 13°14 | 7°32 | 25° 3 | 15°37 | 8°11 | 12°41 | 1°26 | 0°43 | 26°12 | 5°52 | S 28 |
| S 29 | 20 51 31 | 11°30'18 | 19°45 | 19° 8 | 3°57 | 13°47 | 7°44 | 25° 6 | 15°38 | 8°13 | 12°41 | 1°21 | 0°40 | 26°18 | 5°52 | S 29 |
| M30 | 20 55 28 | 12°28'02 | 1♉35 | 21° 1 | 5°10 | 14°20 | 7°57 | 25°10 | 15°39 | 8°15 | 12°40 | 1°19 | 0°36 | 26°25 | 5°52 | M30 |
| T 31 | 20 59 24 | 13♑25'47 | 13♉25 | 22♑53 | 6♍23 | 14♏53 | 8♋ 9 | 25♎13 | 15♉40 | 8♑18 | 12♈40 | 1°D18 | 0♐33 | 26♈32 | 5♉53 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22n44 | 8n26 | 4n 4 | 22n 8 | 1s21 | 21n42 | 1n24 | 13s16 | 1s41 | 23n30 | 0s 3 | 7s 3 | 2n30 | 16n 4 | 0s20 | 18n45 | 0n11 | 10s44 | 17s11 | 20s56 | 20s41 | 12n 4 | 13n 4 | 0s19 | |
| M 2 | 22 38 | 12 19 | 3 19 | 22 24 | 1 7 | 21 27 | 1 25 | 13 25 | 1 42 | 23 30 | 0 2 | 7 4 | 2 30 | 16 5 | 0 20 | 18 44 | 0 11 | 10 45 | 17 11 | 20 56 | 20 41 | 12 5 | 13 4 | 0 19 | |
| T 3 | 22 31 | 15 43 | 2 26 | 22 39 | 0 53 | 21 11 | 1 26 | 13 34 | 1 43 | 23 30 | 0 2 | 7 4 | 2 29 | 16 5 | 0 20 | 18 44 | 0 11 | 10 45 | 17 11 | 20 56 | 20 40 | 12 7 | 13 5 | 0 19 | |
| W 4 | 22 24 | 18 29 | 1 26 | 22 53 | 0 40 | 20 55 | 1 27 | 13 44 | 1 44 | 23 30 | 0 2 | 7 5 | 2 29 | 16 6 | 0 20 | 18 43 | 0 11 | 10 45 | 17 12 | 20 57 | 20 39 | 12 9 | 13 5 | 0 19 | |
| T 5 | 22 16 | 20 30 | 0 21 | 23 6 | 0 27 | 20 38 | 1 27 | 13 53 | 1 44 | 23 30 | 0 2 | 7 6 | 2 29 | 16 6 | 0 20 | 18 43 | 0 11 | 10 46 | 17 12 | 20 57 | 20 39 | 12 11 | 13 6 | 0 20 | |
| F 6 | 22 8 | 21 34 | 0s45 | 23 17 | 0 14 | 20 21 | 1 28 | 14 3 | 1 45 | 23 29 | 0 2 | 7 6 | 2 29 | 16 7 | 0 21 | 18 42 | 0 11 | 10 46 | 17 12 | 20 57 | 20 38 | 12 13 | 13 6 | 0 20 | |
| S 7 | 22 0 | 21 35 | 1 51 | 23 26 | 0 1 | 20 3 | 1 29 | 14 12 | 1 46 | 23 29 | 0 2 | 7 7 | 2 28 | 16 8 | 0 21 | 18 41 | 0 11 | 10 46 | 17 13 | 20 56 | 20 38 | 12 15 | 13 7 | 0 20 | |
| S 8 | 21 51 | 20 29 | 2 52 | 23 33 | 0n11 | 19 44 | 1 29 | 14 22 | 1 47 | 23 29 | 0 2 | 7 8 | 2 28 | 16 8 | 0 21 | 18 41 | 0 11 | 10 47 | 17 13 | 20 56 | 20 37 | 12 17 | 13 7 | 0 20 | |
| M 9 | 21 42 | 18 15 | 3 46 | 23 37 | 0 22 | 19 25 | 1 30 | 14 32 | 1 48 | 23 29 | 0 2 | 7 9 | 2 28 | 16 9 | 0 21 | 18 40 | 0 11 | 10 47 | 17 13 | 20 54 | 20 36 | 12 18 | 13 7 | 0 20 | |
| T 10 | 21 32 | 14 59 | 4 28 | 23 39 | 0 33 | 19 5 | 1 30 | 14 42 | 1 48 | 23 28 | 0 2 | 7 10 | 2 27 | 16 9 | 0 21 | 18 40 | 0 11 | 10 47 | 17 14 | 20 53 | 20 36 | 12 20 | 13 8 | 0 20 | |
| W11 | 21 22 | 10 51 | 4 56 | 23 39 | 0 43 | 18 45 | 1 30 | 14 51 | 1 49 | 23 28 | 0 2 | 7 11 | 2 27 | 16 10 | 0 21 | 18 39 | 0 11 | 10 48 | 17 14 | 20 51 | 20 35 | 12 22 | 13 8 | 0 20 | |
| T 12 | 21 12 | 6 5 | 5 6 | 23 36 | 0 53 | 18 25 | 1 31 | 15 1 | 1 50 | 23 28 | 0 1 | 7 12 | 2 27 | 16 10 | 0 21 | 18 39 | 0 11 | 10 48 | 17 14 | 20 50 | 20 34 | 12 24 | 13 9 | 0 20 | |
| F 13 | 21 1 | 0 58 | 4 58 | 23 30 | 1 2 | 18 3 | 1 31 | 15 11 | 1 51 | 23 28 | 0 1 | 7 13 | 2 27 | 16 11 | 0 21 | 18 38 | 0 11 | 10 48 | 17 15 | 20 48 | 20 34 | 12 26 | 13 9 | 0 20 | |
| S 14 | 20 50 | 4s14 | 4 32 | 23 22 | 1 10 | 17 42 | 1 31 | 15 22 | 1 51 | 23 27 | 0 1 | 7 14 | 2 26 | 16 11 | 0 21 | 18 38 | 0 11 | 10 49 | 17 15 | 20 47 | 20 33 | 12 28 | 13 9 | 0 20 | |
| S 15 | 20 39 | 9 13 | 3 49 | 23 11 | 1 17 | 17 19 | 1 31 | 15 32 | 1 52 | 23 27 | 0 1 | 7 15 | 2 26 | 16 11 | 0 21 | 18 37 | 0 11 | 10 49 | 17 15 | 20 47 | 20 32 | 12 29 | 13 10 | 0 21 | |
| M16 | 20 27 | 13 42 | 2 52 | 22 57 | 1 23 | 16 57 | 1 31 | 15 42 | 1 53 | 23 26 | 0 1 | 7 16 | 2 26 | 16 12 | 0 21 | 18 36 | 0 12 | 10 49 | 17 16 | 20 47 | 20 32 | 12 31 | 13 10 | 0 21 | |
| T 17 | 20 15 | 17 23 | 1 44 | 22 41 | 1 29 | 16 34 | 1 31 | 15 52 | 1 53 | 23 26 | 0 1 | 7 17 | 2 26 | 16 12 | 0 21 | 18 36 | 0 12 | 10 50 | 17 16 | 20 47 | 20 31 | 12 33 | 13 10 | 0 21 | |
| W18 | 20 3 | 20 2 | 0 31 | 22 22 | 1 34 | 16 10 | 1 31 | 16 2 | 1 54 | 23 26 | 0 1 | 7 18 | 2 25 | 16 13 | 0 21 | 18 35 | 0 12 | 10 50 | 17 17 | 20 47 | 20 30 | 12 35 | 13 10 | 0 21 | |
| T 19 | 19 50 | 21 27 | 0n43 | 22 0 | 1 38 | 15 46 | 1 30 | 16 13 | 1 54 | 23 25 | 0 1 | 7 19 | 2 25 | 16 13 | 0 21 | 18 35 | 0 12 | 10 51 | 17 17 | 20 47 | 20 30 | 12 37 | 13 11 | 0 21 | |
| F 20 | 19 37 | 21 32 | 1 55 | 21 37 | 1 41 | 15 22 | 1 30 | 16 23 | 1 55 | 23 25 | 0 1 | 7 21 | 2 25 | 16 13 | 0 21 | 18 34 | 0 12 | 10 51 | 17 17 | 20 47 | 20 29 | 12 38 | 13 11 | 0 21 | |
| S 21 | 19 23 | 20 20 | 2 58 | 21 11 | 1 43 | 14 57 | 1 30 | 16 33 | 1 55 | 23 24 | 0 1 | 7 22 | 2 25 | 16 14 | 0 21 | 18 34 | 0 12 | 10 51 | 17 18 | 20 46 | 20 28 | 12 40 | 13 11 | 0 21 | |
| S 22 | 19 10 | 17 59 | 3 51 | 20 43 | 1 45 | 14 31 | 1 29 | 16 44 | 1 56 | 23 24 | 0 0 | 7 23 | 2 24 | 16 14 | 0 21 | 18 33 | 0 12 | 10 52 | 17 18 | 20 44 | 20 28 | 12 42 | 13 11 | 0 21 | |
| M23 | 18 56 | 14 43 | 4 30 | 20 13 | 1 46 | 14 6 | 1 29 | 16 54 | 1 56 | 23 23 | 0 0 | 7 24 | 2 24 | 16 15 | 0 21 | 18 33 | 0 12 | 10 52 | 17 18 | 20 43 | 20 27 | 12 44 | 13 11 | 0 21 | |
| T 24 | 18 41 | 10 48 | 4 54 | 19 42 | 1 47 | 13 40 | 1 28 | 17 5 | 1 57 | 23 23 | 0 0 | 7 26 | 2 24 | 16 15 | 0 21 | 18 32 | 0 12 | 10 53 | 17 19 | 20 40 | 20 27 | 12 46 | 13 11 | 0 21 | |
| W25 | 18 27 | 6 28 | 5 3 | 19 9 | 1 46 | 13 14 | 1 27 | 17 15 | 1 57 | 23 22 | 0 0 | 7 27 | 2 24 | 16 15 | 0 21 | 18 31 | 0 12 | 10 53 | 17 19 | 20 38 | 20 26 | 12 47 | 13 11 | 0 22 | |
| T 26 | 18 12 | 1 58 | 4 57 | 18 34 | 1 45 | 12 47 | 1 27 | 17 25 | 1 58 | 23 22 | 0 0 | 7 29 | 2 23 | 16 15 | 0 21 | 18 31 | 0 12 | 10 54 | 17 19 | 20 36 | 20 25 | 12 49 | 13 12 | 0 22 | |
| F 27 | 17 56 | 2n32 | 4 37 | 17 58 | 1 44 | 12 20 | 1 26 | 17 36 | 1 58 | 23 21 | 0n 0 | 7 30 | 2 23 | 16 16 | 0 21 | 18 30 | 0 12 | 10 54 | 17 19 | 20 34 | 20 25 | 12 51 | 13 12 | 0 22 | |
| S 28 | 17 41 | 6 52 | 4 5 | 17 21 | 1 42 | 11 52 | 1 25 | 17 46 | 1 59 | 23 20 | 0 0 | 7 31 | 2 23 | 16 16 | 0 21 | 18 30 | 0 12 | 10 55 | 17 20 | 20 33 | 20 24 | 12 53 | 13 12 | 0 22 | |
| S 29 | 17 25 | 10 52 | 3 22 | 16 43 | 1 39 | 11 25 | 1 24 | 17 57 | 1 59 | 23 20 | 0 0 | 7 33 | 2 23 | 16 16 | 0 21 | 18 29 | 0 12 | 10 55 | 17 20 | 20 32 | 20 23 | 12 55 | 13 12 | 0 22 | |
| M30 | 17 9 | 14 26 | 2 31 | 16 4 | 1 36 | 10 57 | 1 23 | 18 7 | 1 59 | 23 19 | 0 0 | 7 34 | 2 22 | 16 16 | 0 21 | 18 29 | 0 12 | 10 55 | 17 20 | 20 31 | 20 23 | 12 56 | 13 12 | 0 22 | |
| T 31 | 16n52 | 17n26 | 1n34 | 15n25 | 1n32 | 10n29 | 1n22 | 18s17 | 2s 0 | 23n19 | 0n 0 | 7s36 | 2n22 | 16n17 | 0s21 | 18n28 | 0n12 | 10s56 | 17s21 | 20s31 | 20s22 | 12n58 | 13n12 | 0s22 | |

Julian Day Number = 2123014.5, Delta T = 17m41s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'02, Lahiri = 11°19'02 Julian Calendar 1 July 1100 == Greg. Calendar 8 July 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## AUGUST 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 3 21 | 14♌23'34 | 25♉20 | 24♌42 | 7♍37 | 15♏27 | 8♋21 | 25♎17 | 15♉41 | 8♌20 | 12°R39 | 1°R19 | 0♐30 | 26♈38 | 5♉53 | W 1 |
| T 2 | 21 7 17 | 15°21'23 | 7♊25 | 26°31 | 8°50 | 16° 1 | 8°33 | 25°21 | 15°41 | 8°22 | 12♈39 | 1♐19 | 0°27 | 26°45 | 5°53 | T 2 |
| F 3 | 21 11 14 | 16°19'13 | 19°47 | 28°18 | 10° 4 | 16°35 | 8°45 | 25°25 | 15°42 | 8°24 | 12°38 | 1°17 | 0°24 | 26°52 | 5°53 | F 3 |
| S 4 | 21 15 10 | 17°17'06 | 2♋29 | 0♍ 4 | 11°17 | 17° 9 | 8°57 | 25°29 | 15°43 | 8°27 | 12°38 | 1°14 | 0°20 | 26°58 | 5°R53 | S 4 |
| S 5 | 21 19 7 | 18°15'00 | 15°33 | 1°49 | 12°31 | 17°44 | 9° 9 | 25°33 | 15°43 | 8°29 | 12°37 | 1° 8 | 0°17 | 27° 5 | 5°53 | S 5 |
| M 6 | 21 23 4 | 19°12'55 | 29° 3 | 3°32 | 13°44 | 18°19 | 9°21 | 25°37 | 15°44 | 8°31 | 12°37 | 0°59 | 0°14 | 27°12 | 5°53 | M 6 |
| T 7 | 21 27 0 | 20°10'53 | 12♌55 | 5°13 | 14°57 | 18°54 | 9°33 | 25°41 | 15°44 | 8°33 | 12°36 | 0°49 | 0°11 | 27°18 | 5°53 | T 7 |
| W 8 | 21 30 57 | 21° 8'52 | 27° 7 | 6°54 | 16°11 | 19°29 | 9°44 | 25°45 | 15°44 | 8°35 | 12°35 | 0°37 | 0° 8 | 27°25 | 5°53 | W 8 |
| T 9 | 21 34 53 | 22° 6'52 | 11♍34 | 8°33 | 17°24 | 20° 5 | 9°56 | 25°50 | 15°45 | 8°37 | 12°35 | 0°26 | 0° 5 | 27°32 | 5°52 | T 9 |
| F 10 | 21 38 50 | 23° 4'54 | 26° 8 | 10°11 | 18°37 | 20°40 | 10° 7 | 25°54 | 15°45 | 8°40 | 12°34 | 0°16 | 0° 1 | 27°38 | 5°52 | F 10 |
| S 11 | 21 42 46 | 24° 2'58 | 10♎42 | 11°48 | 19°51 | 21°16 | 10°19 | 25°58 | 15°45 | 8°42 | 12°33 | 0° 8 | 29♏58 | 27°45 | 5°52 | S 11 |
| S 12 | 21 46 43 | 25° 1'03 | 25°11 | 13°23 | 21° 4 | 21°53 | 10°30 | 26° 3 | 15°45 | 8°44 | 12°33 | 0° 4 | 29°55 | 27°52 | 5°51 | S 12 |
| M13 | 21 50 39 | 25°59'09 | 9♏31 | 14°57 | 22°17 | 22°29 | 10°42 | 26° 8 | 15°46 | 8°46 | 12°32 | 0° 2 | 29°52 | 27°58 | 5°51 | M13 |
| T 14 | 21 54 36 | 26°57'17 | 23°39 | 16°30 | 23°31 | 23° 6 | 10°53 | 26°12 | 15°46 | 8°48 | 12°31 | 0° 1 | 29°49 | 28° 5 | 5°50 | T 14 |
| W15 | 21 58 33 | 27°55'27 | 7♐34 | 18° 2 | 24°44 | 23°43 | 11° 4 | 26°17 | 15°R46 | 8°50 | 12°30 | 0° 1 | 29°46 | 28°12 | 5°50 | W15 |
| T 16 | 22 2 29 | 28°53'38 | 21°17 | 19°32 | 25°57 | 24°20 | 11°15 | 26°22 | 15°46 | 8°53 | 12°30 | 0° 0 | 29°42 | 28°18 | 5°49 | T 16 |
| F 17 | 22 6 26 | 29°51'50 | 4♑48 | 21° 1 | 27°10 | 24°57 | 11°26 | 26°27 | 15°46 | 8°55 | 12°29 | 29♏57 | 29°39 | 28°25 | 5°48 | F 17 |
| S 18 | 22 10 22 | 0♍50'04 | 18° 7 | 22°29 | 28°24 | 25°34 | 11°37 | 26°32 | 15°46 | 8°57 | 12°28 | 29°52 | 29°36 | 28°32 | 5°47 | S 18 |
| S 19 | 22 14 19 | 1°48'20 | 1♒15 | 23°55 | 29°37 | 26°12 | 11°48 | 26°37 | 15°45 | 8°59 | 12°27 | 29°43 | 29°33 | 28°38 | 5°46 | S 19 |
| M20 | 22 18 15 | 2°46'37 | 14°12 | 25°20 | 0♎50 | 26°50 | 11°59 | 26°42 | 15°45 | 9° 1 | 12°26 | 29°32 | 29°30 | 28°45 | 5°46 | M20 |
| T 21 | 22 22 12 | 3°44'56 | 26°58 | 26°44 | 2° 3 | 27°28 | 12° 9 | 26°47 | 15°45 | 9° 3 | 12°26 | 29°19 | 29°26 | 28°52 | 5°45 | T 21 |
| W22 | 22 26 8 | 4°43'17 | 9♓31 | 28° 7 | 3°16 | 28° 6 | 12°20 | 26°52 | 15°45 | 9° 5 | 12°25 | 29° 6 | 29°23 | 28°58 | 5°44 | W22 |
| T 23 | 22 30 5 | 5°41'39 | 21°51 | 29°28 | 4°29 | 28°44 | 12°30 | 26°57 | 15°44 | 9° 7 | 12°24 | 28°53 | 29°20 | 29° 5 | 5°42 | T 23 |
| F 24 | 22 34 2 | 6°40'04 | 4♈ 0 | 0♎48 | 5°42 | 29°22 | 12°41 | 27° 3 | 15°44 | 9° 9 | 12°23 | 28°42 | 29°17 | 29°12 | 5°41 | F 24 |
| S 25 | 22 37 58 | 7°38'31 | 16° 0 | 2° 6 | 6°55 | 0♐ 1 | 12°51 | 27° 8 | 15°43 | 9°11 | 12°22 | 28°33 | 29°14 | 29°18 | 5°40 | S 25 |
| S 26 | 22 41 55 | 8°36'59 | 27°51 | 3°23 | 8° 9 | 0°40 | 13° 1 | 27°14 | 15°43 | 9°13 | 12°21 | 28°27 | 29°11 | 29°25 | 5°39 | S 26 |
| M27 | 22 45 51 | 9°35'30 | 9♉39 | 4°38 | 9°22 | 1°19 | 13°11 | 27°19 | 15°42 | 9°15 | 12°20 | 28°23 | 29° 7 | 29°32 | 5°38 | M27 |
| T 28 | 22 49 48 | 10°34'03 | 21°27 | 5°52 | 10°35 | 1°58 | 13°21 | 27°25 | 15°42 | 9°17 | 12°19 | 28°22 | 29° 4 | 29°38 | 5°36 | T 28 |
| W29 | 22 53 44 | 11°32'39 | 3♊21 | 7° 4 | 11°48 | 2°37 | 13°31 | 27°30 | 15°41 | 9°19 | 12°18 | 28°D22 | 29° 1 | 29°45 | 5°35 | W29 |
| T 30 | 22 57 41 | 12°31'16 | 15°25 | 8°14 | 13° 0 | 3°17 | 13°41 | 27°36 | 15°40 | 9°21 | 12°17 | 28°R22 | 28°58 | 29°52 | 5°33 | T 30 |
| F 31 | 23 1 37 | 13♍29'56 | 27♊45 | 9♎22 | 14♎13 | 3♐56 | 13♋50 | 27♎42 | 15♉39 | 9♌23 | 12♈16 | 28♏21 | 28♏55 | 29♈58 | 5♉32 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16n36 | 19n42 | 0n32 | 14n44 | 1n28 | 10n 0 | 1n21 | 18s28 | 2s 0 | 23n18 | 0n 1 | 7s38 | 2n22 | 16n17 | 0s21 | 18n27 | 0n12 | 10s56 | 17s21 | 20s31 | 20s21 | 13n 0 | 13n12 | 0s22 | |
| T 2 | 16 19 | 21 7 | 0s32 | 14 3 | 1 24 | 9 31 | 1 19 | 18 38 | 2 0 | 23 17 | 0 1 | 7 39 | 2 22 | 16 17 | 0 21 | 18 27 | 0 12 | 10 57 | 17 21 | 20 31 | 20 21 | 13 2 | 13 12 | 0 22 | |
| F 3 | 16 1 | 21 33 | 1 36 | 13 21 | 1 19 | 9 2 | 1 18 | 18 48 | 2 1 | 23 17 | 0 1 | 7 41 | 2 21 | 16 17 | 0 21 | 18 26 | 0 12 | 10 57 | 17 22 | 20 31 | 20 20 | 13 3 | 13 12 | 0 23 | |
| S 4 | 15 44 | 20 55 | 2 37 | 12 39 | 1 14 | 8 33 | 1 17 | 18 58 | 2 1 | 23 16 | 0 1 | 7 42 | 2 21 | 16 17 | 0 21 | 18 26 | 0 12 | 10 58 | 17 22 | 20 30 | 20 19 | 13 5 | 13 11 | 0 23 | |
| S 5 | 15 26 | 19 8 | 3 32 | 11 57 | 1 9 | 8 3 | 1 15 | 19 8 | 2 1 | 23 15 | 0 1 | 7 44 | 2 21 | 16 18 | 0 21 | 18 25 | 0 12 | 10 58 | 17 22 | 20 29 | 20 19 | 13 7 | 13 11 | 0 23 | |
| M 6 | 15 8 | 16 16 | 4 16 | 11 14 | 1 3 | 7 34 | 1 14 | 19 19 | 2 2 | 23 14 | 0 1 | 7 46 | 2 21 | 16 18 | 0 21 | 18 25 | 0 12 | 10 59 | 17 23 | 20 27 | 20 18 | 13 9 | 13 11 | 0 23 | |
| T 7 | 14 50 | 12 26 | 4 47 | 10 31 | 0 57 | 7 4 | 1 12 | 19 29 | 2 2 | 23 14 | 0 1 | 7 48 | 2 21 | 16 18 | 0 21 | 18 24 | 0 12 | 10 59 | 17 23 | 20 25 | 20 17 | 13 10 | 13 11 | 0 23 | |
| W 8 | 14 31 | 7 50 | 5 0 | 9 48 | 0 50 | 6 34 | 1 11 | 19 39 | 2 2 | 23 13 | 0 1 | 7 49 | 2 20 | 16 18 | 0 21 | 18 23 | 0 12 | 11 0 | 17 23 | 20 23 | 20 17 | 13 12 | 13 11 | 0 23 | |
| T 9 | 14 12 | 2 43 | 4 55 | 9 5 | 0 44 | 6 4 | 1 9 | 19 49 | 2 2 | 23 12 | 0 1 | 7 51 | 2 20 | 16 18 | 0 21 | 18 23 | 0 12 | 11 0 | 17 23 | 20 20 | 20 16 | 13 14 | 13 11 | 0 23 | |
| F 10 | 13 53 | 2s36 | 4 31 | 8 21 | 0 37 | 5 33 | 1 7 | 19 58 | 2 2 | 23 11 | 0 1 | 7 53 | 2 20 | 16 18 | 0 21 | 18 22 | 0 12 | 11 1 | 17 24 | 20 18 | 20 15 | 13 15 | 13 11 | 0 23 | |
| S 11 | 13 34 | 7 46 | 3 49 | 7 38 | 0 30 | 5 3 | 1 5 | 20 8 | 2 3 | 23 11 | 0 2 | 7 55 | 2 20 | 16 18 | 0 21 | 18 22 | 0 12 | 11 1 | 17 24 | 20 17 | 20 15 | 13 17 | 13 10 | 0 23 | |
| S 12 | 13 15 | 12 28 | 2 53 | 6 55 | 0 23 | 4 32 | 1 4 | 20 18 | 2 3 | 23 10 | 0 2 | 7 57 | 2 19 | 16 18 | 0 21 | 18 21 | 0 12 | 11 2 | 17 24 | 20 16 | 20 14 | 13 19 | 13 10 | 0 23 | |
| M13 | 12 55 | 16 24 | 1 46 | 6 11 | 0 15 | 4 1 | 1 2 | 20 28 | 2 3 | 23 9 | 0 2 | 7 58 | 2 19 | 16 18 | 0 21 | 18 21 | 0 12 | 11 2 | 17 24 | 20 15 | 20 13 | 13 21 | 13 10 | 0 24 | |
| T 14 | 12 35 | 19 19 | 0 34 | 5 28 | 0 8 | 3 30 | 1 0 | 20 37 | 2 3 | 23 8 | 0 2 | 8 0 | 2 19 | 16 18 | 0 21 | 18 20 | 0 12 | 11 3 | 17 25 | 20 15 | 20 12 | 13 22 | 13 10 | 0 24 | |
| W15 | 12 15 | 21 1 | 0n40 | 4 45 | 0 0 | 2 59 | 0 58 | 20 47 | 2 3 | 23 7 | 0 2 | 8 2 | 2 19 | 16 18 | 0 21 | 18 20 | 0 12 | 11 3 | 17 25 | 20 15 | 20 12 | 13 24 | 13 9 | 0 24 | |
| T 16 | 11 55 | 21 26 | 1 50 | 4 3 | 0s 8 | 2 28 | 0 55 | 20 56 | 2 3 | 23 7 | 0 2 | 8 4 | 2 19 | 16 18 | 0 21 | 18 19 | 0 12 | 11 4 | 17 25 | 20 15 | 20 11 | 13 26 | 13 9 | 0 24 | |
| F 17 | 11 34 | 20 35 | 2 53 | 3 20 | 0 16 | 1 57 | 0 53 | 21 5 | 2 3 | 23 6 | 0 2 | 8 6 | 2 18 | 16 18 | 0 21 | 18 18 | 0 12 | 11 5 | 17 25 | 20 14 | 20 10 | 13 27 | 13 9 | 0 24 | |
| S 18 | 11 14 | 18 36 | 3 45 | 2 38 | 0 24 | 1 25 | 0 51 | 21 15 | 2 4 | 23 5 | 0 2 | 8 8 | 2 18 | 16 18 | 0 21 | 18 18 | 0 12 | 11 5 | 17 26 | 20 13 | 20 10 | 13 29 | 13 8 | 0 24 | |
| S 19 | 10 53 | 15 40 | 4 25 | 1 56 | 0 32 | 0 54 | 0 49 | 21 24 | 2 4 | 23 4 | 0 2 | 8 10 | 2 18 | 16 18 | 0 21 | 18 17 | 0 12 | 11 6 | 17 26 | 20 11 | 20 9 | 13 31 | 13 8 | 0 24 | |
| M20 | 10 32 | 12 1 | 4 50 | 1 15 | 0 40 | 0 23 | 0 46 | 21 33 | 2 4 | 23 3 | 0 3 | 8 12 | 2 18 | 16 18 | 0 21 | 18 17 | 0 12 | 11 6 | 17 26 | 20 9 | 20 8 | 13 33 | 13 7 | 0 24 | |
| T 21 | 10 11 | 7 53 | 5 0 | 0 34 | 0 48 | 0s 9 | 0 44 | 21 42 | 2 4 | 23 2 | 0 3 | 8 14 | 2 18 | 16 18 | 0 21 | 18 16 | 0 12 | 11 7 | 17 26 | 20 6 | 20 8 | 13 34 | 13 7 | 0 24 | |
| W22 | 9 50 | 3 29 | 4 55 | 0s 7 | 0 56 | 0 40 | 0 42 | 21 50 | 2 4 | 23 2 | 0 3 | 8 16 | 2 17 | 16 18 | 0 21 | 18 16 | 0 12 | 11 7 | 17 27 | 20 3 | 20 7 | 13 36 | 13 7 | 0 25 | |
| T 23 | 9 28 | 0n59 | 4 37 | 0 47 | 1 5 | 1 12 | 0 39 | 21 59 | 2 4 | 23 1 | 0 3 | 8 18 | 2 17 | 16 18 | 0 21 | 18 15 | 0 12 | 11 8 | 17 27 | 20 0 | 20 6 | 13 38 | 13 6 | 0 25 | |
| F 24 | 9 6 | 5 21 | 4 6 | 1 26 | 1 13 | 1 43 | 0 37 | 22 8 | 2 4 | 23 0 | 0 3 | 8 20 | 2 17 | 16 18 | 0 21 | 18 15 | 0 12 | 11 8 | 17 27 | 19 58 | 20 6 | 13 39 | 13 6 | 0 25 | |
| S 25 | 8 45 | 9 28 | 3 24 | 2 5 | 1 21 | 2 14 | 0 34 | 22 16 | 2 4 | 22 59 | 0 3 | 8 22 | 2 17 | 16 17 | 0 21 | 18 14 | 0 12 | 11 9 | 17 27 | 19 56 | 20 5 | 13 41 | 13 5 | 0 25 | |
| S 26 | 8 23 | 13 10 | 2 34 | 2 43 | 1 30 | 2 46 | 0 31 | 22 24 | 2 4 | 22 58 | 0 3 | 8 25 | 2 17 | 16 17 | 0 21 | 18 14 | 0 12 | 11 9 | 17 27 | 19 55 | 20 4 | 13 43 | 13 5 | 0 25 | |
| M27 | 8 1 | 16 19 | 1 38 | 3 21 | 1 38 | 3 17 | 0 29 | 22 33 | 2 4 | 22 57 | 0 3 | 8 27 | 2 17 | 16 17 | 0 21 | 18 13 | 0 12 | 11 10 | 17 28 | 19 54 | 20 4 | 13 44 | 13 4 | 0 25 | |
| T 28 | 7 38 | 18 48 | 0 37 | 3 58 | 1 46 | 3 48 | 0 26 | 22 41 | 2 4 | 22 56 | 0 3 | 8 29 | 2 16 | 16 17 | 0 21 | 18 13 | 0 12 | 11 10 | 17 28 | 19 53 | 20 3 | 13 46 | 13 3 | 0 25 | |
| W29 | 7 16 | 20 30 | 0s26 | 4 34 | 1 54 | 4 20 | 0 23 | 22 48 | 2 4 | 22 55 | 0 4 | 8 31 | 2 16 | 16 17 | 0 21 | 18 12 | 0 12 | 11 11 | 17 28 | 19 53 | 20 2 | 13 48 | 13 3 | 0 25 | |
| T 30 | 6 54 | 21 16 | 1 29 | 5 9 | 2 2 | 4 51 | 0 20 | 22 56 | 2 4 | 22 55 | 0 4 | 8 33 | 2 16 | 16 17 | 0 21 | 18 12 | 0 12 | 11 11 | 17 28 | 19 53 | 20 1 | 13 49 | 13 2 | 0 25 | |
| F 31 | 6n31 | 21n 3 | 2s29 | 5s43 | 2s10 | 5s22 | 0n18 | 23s 4 | 2s 4 | 22n54 | 0n 4 | 8s36 | 2n16 | 16n16 | 0s21 | 18n11 | 0n12 | 11s12 | 17s28 | 19s53 | 20s 1 | 13n51 | 13n 2 | 0s25 | |

Julian Day Number = 2123045.5, Delta T = 17m40s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'06, Lahiri = 11°19'07 Julian Calendar 1 Aug. 1100 == Greg. Calendar 8 Aug. 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## SEPTEMBER 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 5 34 | 14♍28'39 | 10♋26 | 10♎28 | 15♎26 | 4♐36 | 14♋ 0 | 27♎48 | 15°R39 | 9♑25 | 12°R15 | 28°R18 | 28♏52 | 0♉ 5 | 5°R30 | S 1 |
| S 2 | 23 9 31 | 15°27'23 | 23°33 | 11°32 | 16°39 | 5°16 | 14° 9 | 27°54 | 15♉38 | 9°27 | 12♈14 | 28♏13 | 28°48 | 0°12 | 5♉29 | S 2 |
| M 3 | 23 13 27 | 16°26'10 | 7♌ 7 | 12°34 | 17°52 | 5°56 | 14°19 | 27°59 | 15°37 | 9°29 | 12°13 | 28° 6 | 28°45 | 0°18 | 5°27 | M 3 |
| T 4 | 23 17 24 | 17°24'59 | 21° 9 | 13°33 | 19° 5 | 6°36 | 14°28 | 28° 5 | 15°36 | 9°30 | 12°12 | 27°56 | 28°42 | 0°25 | 5°25 | T 4 |
| W 5 | 23 21 20 | 18°23'50 | 5♍36 | 14°30 | 20°18 | 7°17 | 14°37 | 28°11 | 15°35 | 9°32 | 12°11 | 27°46 | 28°39 | 0°32 | 5°23 | W 5 |
| T 6 | 23 25 17 | 19°22'43 | 20°22 | 15°23 | 21°31 | 7°57 | 14°46 | 28°17 | 15°34 | 9°34 | 12°10 | 27°35 | 28°36 | 0°38 | 5°22 | T 6 |
| F 7 | 23 29 13 | 20°21'38 | 5♎19 | 16°14 | 22°44 | 8°38 | 14°55 | 28°24 | 15°33 | 9°36 | 12° 9 | 27°26 | 28°32 | 0°45 | 5°20 | F 7 |
| S 8 | 23 33 10 | 21°20'35 | 20°18 | 17° 1 | 23°56 | 9°19 | 15° 4 | 28°30 | 15°32 | 9°38 | 12° 8 | 27°19 | 28°29 | 0°52 | 5°18 | S 8 |
| S 9 | 23 37 6 | 22°19'34 | 5♏ 9 | 17°45 | 25° 9 | 10° 0 | 15°12 | 28°36 | 15°30 | 9°39 | 12° 7 | 27°15 | 28°26 | 0°58 | 5°16 | S 9 |
| M10 | 23 41 3 | 23°18'35 | 19°46 | 18°24 | 26°22 | 10°41 | 15°21 | 28°42 | 15°29 | 9°41 | 12° 6 | 27°13 | 28°23 | 1° 5 | 5°14 | M10 |
| T 11 | 23 44 59 | 24°17'38 | 4♐ 5 | 18°59 | 27°35 | 11°22 | 15°29 | 28°48 | 15°28 | 9°43 | 12° 5 | 27°D13 | 28°20 | 1°12 | 5°12 | T 11 |
| W12 | 23 48 56 | 25°16'42 | 18° 5 | 19°30 | 28°47 | 12° 3 | 15°37 | 28°55 | 15°27 | 9°45 | 12° 4 | 27°13 | 28°17 | 1°18 | 5°10 | W12 |
| T 13 | 23 52 53 | 26°15'49 | 1♑45 | 19°55 | 29°59 | 12°45 | 15°46 | 29° 1 | 15°25 | 9°46 | 12° 3 | 27°R13 | 28°13 | 1°25 | 5° 8 | T 13 |
| F 14 | 23 56 49 | 27°14'57 | 15° 7 | 20°15 | 1♏13 | 13°26 | 15°54 | 29° 7 | 15°24 | 9°48 | 12° 2 | 27°12 | 28°10 | 1°32 | 5° 5 | F 14 |
| S 15 | 0 0 46 | 28°14'07 | 28°12 | 20°29 | 2°25 | 14° 8 | 16° 1 | 29°14 | 15°22 | 9°49 | 12° 1 | 27° 8 | 28° 7 | 1°38 | 5° 3 | S 15 |
| S 16 | 0 4 42 | 29°13'18 | 11♒ 4 | 20°37 | 3°38 | 14°50 | 16° 9 | 29°20 | 15°21 | 9°51 | 11°59 | 27° 2 | 28° 4 | 1°45 | 5° 1 | S 16 |
| M17 | 0 8 39 | 0♎12'32 | 23°43 | 20°R37 | 4°50 | 15°32 | 16°17 | 29°27 | 15°19 | 9°53 | 11°58 | 26°53 | 28° 1 | 1°52 | 4°58 | M17 |
| T 18 | 0 12 35 | 1°11'47 | 6♓10 | 20°31 | 6° 3 | 16°14 | 16°24 | 29°33 | 15°18 | 9°54 | 11°57 | 26°43 | 27°57 | 1°58 | 4°56 | T 18 |
| W19 | 0 16 32 | 2°11'05 | 18°28 | 20°16 | 7°15 | 16°56 | 16°32 | 29°40 | 15°16 | 9°56 | 11°56 | 26°33 | 27°54 | 2° 5 | 4°54 | W19 |
| T 20 | 0 20 28 | 3°10'24 | 0♈36 | 19°54 | 8°28 | 17°38 | 16°39 | 29°47 | 15°15 | 9°57 | 11°55 | 26°23 | 27°51 | 2°12 | 4°51 | T 20 |
| F 21 | 0 24 25 | 4° 9'46 | 12°36 | 19°23 | 9°40 | 18°20 | 16°46 | 29°53 | 15°13 | 9°59 | 11°54 | 26°14 | 27°48 | 2°18 | 4°49 | F 21 |
| S 22 | 0 28 22 | 5° 9'09 | 24°30 | 18°44 | 10°52 | 19° 3 | 16°53 | 0♏ 0 | 15°11 | 10° 0 | 11°53 | 26° 7 | 27°45 | 2°25 | 4°46 | S 22 |
| S 23 | 0 32 18 | 6° 8'35 | 6♉18 | 17°57 | 12° 5 | 19°45 | 16°59 | 0° 7 | 15° 9 | 10° 2 | 11°52 | 26° 3 | 27°42 | 2°32 | 4°44 | S 23 |
| M24 | 0 36 15 | 7° 8'03 | 18° 5 | 17° 3 | 13°17 | 20°28 | 17° 6 | 0°14 | 15° 8 | 10° 3 | 11°50 | 26° 0 | 27°38 | 2°38 | 4°41 | M24 |
| T 25 | 0 40 11 | 8° 7'33 | 29°53 | 16° 1 | 14°29 | 21°11 | 17°12 | 0°20 | 15° 6 | 10° 4 | 11°49 | 26°D 0 | 27°35 | 2°45 | 4°39 | T 25 |
| W26 | 0 44 8 | 9° 7'06 | 11♊46 | 14°54 | 15°41 | 21°54 | 17°19 | 0°27 | 15° 4 | 10° 6 | 11°48 | 26° 1 | 27°32 | 2°52 | 4°36 | W26 |
| T 27 | 0 48 4 | 10° 6'41 | 23°49 | 13°43 | 16°54 | 22°37 | 17°25 | 0°34 | 15° 2 | 10° 7 | 11°47 | 26° 3 | 27°29 | 2°58 | 4°33 | T 27 |
| F 28 | 0 52 1 | 11° 6'18 | 6♋ 7 | 12°30 | 18° 6 | 23°20 | 17°31 | 0°41 | 15° 0 | 10° 8 | 11°46 | 26°R 4 | 27°26 | 3° 5 | 4°30 | F 28 |
| S 29 | 0 55 57 | 12° 5'58 | 18°44 | 11°16 | 19°18 | 24° 3 | 17°36 | 0°48 | 14°58 | 10°10 | 11°45 | 26° 3 | 27°23 | 3°12 | 4°28 | S 29 |
| S 30 | 0 59 54 | 13♎ 5'40 | 1♌46 | 10♎ 3 | 20♏30 | 24♐46 | 17♋42 | 0♏55 | 14♉56 | 10♌11 | 11♈43 | 26♏ 2 | 27♏19 | 3♉18 | 4♉25 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n 8 | 19n45 | 3s24 | 6s17 | 2s18 | 5s53 | 0n15 | 23s11 | 2s 4 | 22n53 | 0n 4 | 8s38 | 2n16 | 16n16 | 0s21 | 18n11 | 0n12 | 11s12 | 17s29 | 19s53 | 20s 0 | 13n53 | 13n 1 | 0s26 |
| S 2 | 5 46 | 17 24 | 4 10 | 6 49 | 2 26 | 6 24 | 0 12 | 23 18 | 2 3 | 22 52 | 0 4 | 8 40 | 2 15 | 16 16 | 0 21 | 18 10 | 0 12 | 11 13 | 17 29 | 19 52 | 19 59 | 13 54 | 13 0 | 0 26 |
| M 3 | 5 23 | 14 1 | 4 43 | 7 20 | 2 33 | 6 54 | 0 9 | 23 25 | 2 3 | 22 51 | 0 4 | 8 42 | 2 15 | 16 16 | 0 21 | 18 10 | 0 12 | 11 14 | 17 29 | 19 50 | 19 59 | 13 56 | 13 0 | 0 26 |
| T 4 | 5 0 | 9 46 | 5 1 | 7 50 | 2 40 | 7 25 | 0 6 | 23 32 | 2 3 | 22 50 | 0 4 | 8 45 | 2 15 | 16 15 | 0 21 | 18 9 | 0 12 | 11 14 | 17 29 | 19 48 | 19 58 | 13 58 | 12 59 | 0 26 |
| W 5 | 4 37 | 4 51 | 5 0 | 8 18 | 2 47 | 7 55 | 0 3 | 23 39 | 2 3 | 22 49 | 0 4 | 8 47 | 2 15 | 16 15 | 0 21 | 18 9 | 0 12 | 11 15 | 17 29 | 19 45 | 19 57 | 13 59 | 12 58 | 0 26 |
| T 6 | 4 13 | 0s27 | 4 39 | 8 46 | 2 54 | 8 26 | 0s 0 | 23 46 | 2 3 | 22 48 | 0 5 | 8 49 | 2 15 | 16 15 | 0 21 | 18 8 | 0 12 | 11 15 | 17 29 | 19 43 | 19 57 | 14 1 | 12 58 | 0 26 |
| F 7 | 3 50 | 5 47 | 4 0 | 9 11 | 3 0 | 8 56 | 0 3 | 23 52 | 2 3 | 22 48 | 0 5 | 8 51 | 2 15 | 16 14 | 0 21 | 18 8 | 0 12 | 11 16 | 17 29 | 19 41 | 19 56 | 14 2 | 12 57 | 0 26 |
| S 8 | 3 27 | 10 48 | 3 3 | 9 35 | 3 6 | 9 26 | 0 6 | 23 58 | 2 3 | 22 47 | 0 5 | 8 54 | 2 15 | 16 14 | 0 21 | 18 7 | 0 12 | 11 16 | 17 30 | 19 39 | 19 55 | 14 4 | 12 56 | 0 26 |
| S 9 | 3 4 | 15 6 | 1 55 | 9 57 | 3 12 | 9 56 | 0 9 | 24 4 | 2 2 | 22 46 | 0 5 | 8 56 | 2 14 | 16 14 | 0 21 | 18 7 | 0 12 | 11 17 | 17 30 | 19 38 | 19 54 | 14 6 | 12 55 | 0 26 |
| M10 | 2 40 | 18 24 | 0 40 | 10 17 | 3 17 | 10 25 | 0 13 | 24 10 | 2 2 | 22 45 | 0 5 | 8 58 | 2 14 | 16 13 | 0 21 | 18 6 | 0 12 | 11 17 | 17 30 | 19 38 | 19 54 | 14 7 | 12 55 | 0 27 |
| T 11 | 2 17 | 20 28 | 0n37 | 10 35 | 3 22 | 10 54 | 0 16 | 24 16 | 2 2 | 22 44 | 0 5 | 9 1 | 2 14 | 16 13 | 0 21 | 18 6 | 0 12 | 11 18 | 17 30 | 19 38 | 19 53 | 14 9 | 12 54 | 0 27 |
| W12 | 1 53 | 21 12 | 1 49 | 10 50 | 3 26 | 11 23 | 0 19 | 24 21 | 2 2 | 22 43 | 0 5 | 9 3 | 2 14 | 16 12 | 0 21 | 18 6 | 0 12 | 11 18 | 17 30 | 19 38 | 19 52 | 14 10 | 12 53 | 0 27 |
| T 13 | 1 30 | 20 39 | 2 54 | 11 3 | 3 29 | 11 52 | 0 22 | 24 27 | 2 2 | 22 43 | 0 5 | 9 5 | 2 14 | 16 12 | 0 21 | 18 5 | 0 12 | 11 19 | 17 30 | 19 38 | 19 52 | 14 12 | 12 52 | 0 27 |
| F 14 | 1 6 | 18 56 | 3 47 | 11 13 | 3 31 | 12 21 | 0 25 | 24 32 | 2 1 | 22 42 | 0 6 | 9 8 | 2 14 | 16 12 | 0 21 | 18 5 | 0 12 | 11 19 | 17 30 | 19 38 | 19 51 | 14 14 | 12 51 | 0 27 |
| S 15 | 0 42 | 16 15 | 4 28 | 11 19 | 3 33 | 12 49 | 0 28 | 24 37 | 2 1 | 22 41 | 0 6 | 9 10 | 2 14 | 16 11 | 0 21 | 18 4 | 0 12 | 11 20 | 17 30 | 19 37 | 19 50 | 14 15 | 12 51 | 0 27 |
| S 16 | 0 19 | 12 50 | 4 54 | 11 23 | 3 33 | 13 17 | 0 32 | 24 41 | 2 1 | 22 40 | 0 6 | 9 13 | 2 14 | 16 11 | 0 21 | 18 4 | 0 12 | 11 20 | 17 30 | 19 35 | 19 49 | 14 17 | 12 50 | 0 27 |
| M17 | 0s 5 | 8 53 | 5 5 | 11 23 | 3 33 | 13 45 | 0 35 | 24 46 | 2 0 | 22 39 | 0 6 | 9 15 | 2 13 | 16 10 | 0 21 | 18 3 | 0 12 | 11 21 | 17 30 | 19 33 | 19 49 | 14 18 | 12 49 | 0 27 |
| T 18 | 0 29 | 4 38 | 5 1 | 11 18 | 3 31 | 14 12 | 0 38 | 24 50 | 2 0 | 22 39 | 0 6 | 9 18 | 2 13 | 16 10 | 0 21 | 18 3 | 0 12 | 11 21 | 17 31 | 19 31 | 19 48 | 14 20 | 12 48 | 0 27 |
| W19 | 0 52 | 0 14 | 4 44 | 11 10 | 3 28 | 14 39 | 0 41 | 24 54 | 2 0 | 22 38 | 0 6 | 9 20 | 2 13 | 16 9 | 0 21 | 18 3 | 0 12 | 11 22 | 17 31 | 19 29 | 19 47 | 14 22 | 12 47 | 0 27 |
| T 20 | 1 16 | 4n 6 | 4 13 | 10 57 | 3 23 | 15 6 | 0 44 | 24 58 | 2 0 | 22 37 | 0 6 | 9 22 | 2 13 | 16 9 | 0 21 | 18 2 | 0 12 | 11 22 | 17 31 | 19 26 | 19 47 | 14 23 | 12 46 | 0 28 |
| F 21 | 1 40 | 8 15 | 3 32 | 10 40 | 3 17 | 15 32 | 0 48 | 25 1 | 1 59 | 22 36 | 0 6 | 9 25 | 2 13 | 16 8 | 0 21 | 18 2 | 0 12 | 11 23 | 17 31 | 19 24 | 19 46 | 14 25 | 12 45 | 0 28 |
| S 22 | 2 3 | 12 2 | 2 41 | 10 17 | 3 9 | 15 58 | 0 51 | 25 5 | 1 59 | 22 36 | 0 7 | 9 27 | 2 13 | 16 8 | 0 21 | 18 2 | 0 12 | 11 23 | 17 31 | 19 23 | 19 45 | 14 26 | 12 44 | 0 28 |
| S 23 | 2 27 | 15 20 | 1 44 | 9 50 | 2 59 | 16 24 | 0 54 | 25 8 | 1 59 | 22 35 | 0 7 | 9 30 | 2 13 | 16 7 | 0 21 | 18 1 | 0 12 | 11 24 | 17 31 | 19 21 | 19 44 | 14 28 | 12 43 | 0 28 |
| M24 | 2 51 | 17 59 | 0 43 | 9 18 | 2 48 | 16 49 | 0 57 | 25 11 | 1 58 | 22 34 | 0 7 | 9 32 | 2 13 | 16 7 | 0 21 | 18 1 | 0 12 | 11 24 | 17 31 | 19 21 | 19 44 | 14 29 | 12 42 | 0 28 |
| T 25 | 3 14 | 19 53 | 0s21 | 8 42 | 2 34 | 17 14 | 1 1 | 25 13 | 1 58 | 22 33 | 0 7 | 9 35 | 2 13 | 16 6 | 0 21 | 18 0 | 0 12 | 11 24 | 17 31 | 19 21 | 19 43 | 14 31 | 12 41 | 0 28 |
| W26 | 3 38 | 20 55 | 1 24 | 8 2 | 2 18 | 17 38 | 1 4 | 25 16 | 1 58 | 22 33 | 0 7 | 9 37 | 2 12 | 16 6 | 0 21 | 18 0 | 0 13 | 11 25 | 17 31 | 19 21 | 19 42 | 14 33 | 12 40 | 0 28 |
| T 27 | 4 1 | 21 0 | 2 25 | 7 18 | 2 1 | 18 2 | 1 7 | 25 18 | 1 57 | 22 32 | 0 7 | 9 40 | 2 12 | 16 5 | 0 21 | 18 0 | 0 13 | 11 25 | 17 31 | 19 21 | 19 42 | 14 34 | 12 39 | 0 28 |
| F 28 | 4 25 | 20 5 | 3 20 | 6 32 | 1 43 | 18 25 | 1 10 | 25 20 | 1 57 | 22 31 | 0 7 | 9 42 | 2 12 | 16 5 | 0 21 | 17 59 | 0 13 | 11 26 | 17 31 | 19 22 | 19 41 | 14 36 | 12 38 | 0 28 |
| S 29 | 4 48 | 18 9 | 4 7 | 5 45 | 1 23 | 18 48 | 1 13 | 25 21 | 1 56 | 22 31 | 0 8 | 9 45 | 2 12 | 16 4 | 0 21 | 17 59 | 0 13 | 11 26 | 17 31 | 19 22 | 19 40 | 14 37 | 12 37 | 0 28 |
| S 30 | 5s12 | 15n15 | 4s43 | 4s58 | 1s 3 | 19s11 | 1s16 | 25s23 | 1s56 | 22n30 | 0n 8 | 9s47 | 2n12 | 16n 3 | 0s21 | 17n59 | 0n13 | 11s27 | 17s31 | 19s21 | 19s39 | 14n39 | 12n36 | 0s29 |

Julian Day Number = 2123076.5, Delta T = 17m40s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'10, Lahiri = 11°19'11 Julian Calendar 1 Sept. 1100 == Greg. Calendar 8 Sept. 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## OCTOBER 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 3 51 | 14♎ 5'24 | 15♌16 | 8°R55 | 21♏42 | 25♐29 | 17♋48 | 1♏ 2 | 14°R54 | 10♌12 | 11°R42 | 25°R58 | 27♏16 | 3♉25 | 4°R22 | M 1 |
| T 2 | 1 7 47 | 15° 5'11 | 29°14 | 7♎53 | 22°54 | 26°13 | 17°53 | 1° 9 | 14♉52 | 10°13 | 11♈41 | 25♏53 | 27°13 | 3°31 | 4♉19 | T 2 |
| W 3 | 1 11 44 | 16° 4'59 | 13♍41 | 6°58 | 24° 6 | 26°56 | 17°58 | 1°15 | 14°50 | 10°14 | 11°40 | 25°47 | 27°10 | 3°38 | 4°17 | W 3 |
| T 4 | 1 15 40 | 17° 4'50 | 28°31 | 6°13 | 25°18 | 27°40 | 18° 3 | 1°22 | 14°48 | 10°15 | 11°39 | 25°41 | 27° 7 | 3°45 | 4°14 | T 4 |
| F 5 | 1 19 37 | 18° 4'43 | 13♎38 | 5°38 | 26°30 | 28°24 | 18° 8 | 1°29 | 14°46 | 10°17 | 11°38 | 25°35 | 27° 3 | 3°51 | 4°11 | F 5 |
| S 6 | 1 23 33 | 19° 4'38 | 28°51 | 5°15 | 27°42 | 29° 7 | 18°13 | 1°37 | 14°44 | 10°18 | 11°37 | 25°31 | 27° 0 | 3°58 | 4° 8 | S 6 |
| S 7 | 1 27 30 | 20° 4'35 | 14♏ 0 | 5° 2 | 28°54 | 29°51 | 18°17 | 1°44 | 14°41 | 10°19 | 11°35 | 25°29 | 26°57 | 4° 5 | 4° 5 | S 7 |
| M 8 | 1 31 26 | 21° 4'34 | 28°57 | 5°D 2 | 0♐ 5 | 0♑35 | 18°21 | 1°51 | 14°39 | 10°20 | 11°34 | 25°D29 | 26°54 | 4°11 | 4° 2 | M 8 |
| T 9 | 1 35 23 | 22° 4'35 | 13♐34 | 5°12 | 1°17 | 1°19 | 18°25 | 1°58 | 14°37 | 10°21 | 11°33 | 25°30 | 26°51 | 4°18 | 3°59 | T 9 |
| W10 | 1 39 19 | 23° 4'37 | 27°47 | 5°33 | 2°29 | 2° 3 | 18°29 | 2° 5 | 14°35 | 10°22 | 11°32 | 25°31 | 26°48 | 4°25 | 3°56 | W10 |
| T 11 | 1 43 16 | 24° 4'41 | 11♑35 | 6° 3 | 3°41 | 2°47 | 18°33 | 2°12 | 14°32 | 10°22 | 11°31 | 25°33 | 26°44 | 4°31 | 3°53 | T 11 |
| F 12 | 1 47 13 | 25° 4'46 | 25° 0 | 6°43 | 4°52 | 3°32 | 18°37 | 2°19 | 14°30 | 10°23 | 11°30 | 25°R33 | 26°41 | 4°38 | 3°50 | F 12 |
| S 13 | 1 51 9 | 26° 4'54 | 8♒ 2 | 7°30 | 6° 4 | 4°16 | 18°40 | 2°26 | 14°28 | 10°24 | 11°29 | 25°33 | 26°38 | 4°45 | 3°47 | S 13 |
| S 14 | 1 55 6 | 27° 5'02 | 20°46 | 8°25 | 7°15 | 5° 0 | 18°43 | 2°33 | 14°25 | 10°25 | 11°28 | 25°31 | 26°35 | 4°51 | 3°44 | S 14 |
| M15 | 1 59 2 | 28° 5'12 | 3♓13 | 9°26 | 8°26 | 5°45 | 18°46 | 2°40 | 14°23 | 10°26 | 11°27 | 25°27 | 26°32 | 4°58 | 3°41 | M15 |
| T 16 | 2 2 59 | 29° 5'24 | 15°29 | 10°33 | 9°38 | 6°29 | 18°49 | 2°48 | 14°21 | 10°26 | 11°25 | 25°23 | 26°28 | 5° 5 | 3°38 | T 16 |
| W17 | 2 6 55 | 0♏ 5'38 | 27°34 | 11°45 | 10°49 | 7°14 | 18°52 | 2°55 | 14°18 | 10°27 | 11°24 | 25°19 | 26°25 | 5°11 | 3°35 | W17 |
| T 18 | 2 10 52 | 1° 5'53 | 9♈32 | 13° 1 | 12° 0 | 7°58 | 18°54 | 3° 2 | 14°16 | 10°28 | 11°23 | 25°14 | 26°22 | 5°18 | 3°32 | T 18 |
| F 19 | 2 14 48 | 2° 6'10 | 21°25 | 14°20 | 13°11 | 8°43 | 18°57 | 3° 9 | 14°13 | 10°28 | 11°22 | 25°11 | 26°19 | 5°25 | 3°29 | F 19 |
| S 20 | 2 18 45 | 3° 6'28 | 3♉14 | 15°42 | 14°23 | 9°28 | 18°59 | 3°16 | 14°11 | 10°29 | 11°21 | 25° 8 | 26°16 | 5°31 | 3°26 | S 20 |
| S 21 | 2 22 42 | 4° 6'49 | 15° 2 | 17° 7 | 15°34 | 10°13 | 19° 1 | 3°23 | 14° 8 | 10°30 | 11°20 | 25° 6 | 26°13 | 5°38 | 3°23 | S 21 |
| M22 | 2 26 38 | 5° 7'11 | 26°51 | 18°34 | 16°45 | 10°57 | 19° 2 | 3°30 | 14° 6 | 10°30 | 11°19 | 25°D 6 | 26° 9 | 5°45 | 3°20 | M22 |
| T 23 | 2 30 35 | 6° 7'35 | 8♊43 | 20° 3 | 17°55 | 11°42 | 19° 4 | 3°38 | 14° 3 | 10°31 | 11°18 | 25° 7 | 26° 6 | 5°51 | 3°17 | T 23 |
| W24 | 2 34 31 | 7° 8'01 | 20°41 | 21°33 | 19° 6 | 12°27 | 19° 5 | 3°45 | 14° 1 | 10°31 | 11°17 | 25° 8 | 26° 3 | 5°58 | 3°13 | W24 |
| T 25 | 2 38 28 | 8° 8'29 | 2♋48 | 23° 4 | 20°17 | 13°12 | 19° 6 | 3°52 | 13°58 | 10°32 | 11°16 | 25° 9 | 26° 0 | 6° 5 | 3°10 | T 25 |
| F 26 | 2 42 24 | 9° 8'58 | 15° 8 | 24°36 | 21°28 | 13°57 | 19° 7 | 3°59 | 13°56 | 10°32 | 11°15 | 25°11 | 25°57 | 6°11 | 3° 7 | F 26 |
| S 27 | 2 46 21 | 10° 9'30 | 27°45 | 26° 9 | 22°38 | 14°42 | 19° 8 | 4° 6 | 13°53 | 10°32 | 11°14 | 25°12 | 25°54 | 6°18 | 3° 4 | S 27 |
| S 28 | 2 50 17 | 11°10'03 | 10♌42 | 27°43 | 23°49 | 15°27 | 19° 8 | 4°13 | 13°51 | 10°33 | 11°13 | 25°R12 | 25°50 | 6°25 | 3° 1 | S 28 |
| M29 | 2 54 14 | 12°10'38 | 24° 3 | 29°17 | 24°59 | 16°13 | 19° 9 | 4°20 | 13°48 | 10°33 | 11°12 | 25°12 | 25°47 | 6°31 | 2°58 | M29 |
| T 30 | 2 58 11 | 13°11'15 | 7♍50 | 0♏51 | 26° 9 | 16°58 | 19°R 9 | 4°27 | 13°46 | 10°33 | 11°11 | 25°11 | 25°44 | 6°38 | 2°55 | T 30 |
| W31 | 3 2 7 | 14♏11'53 | 22♍ 4 | 2♏26 | 27♐20 | 17♑43 | 19♋ 9 | 4♏35 | 13♉43 | 10♌34 | 11♈10 | 25♏10 | 25♏41 | 6♉44 | 2♉52 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s35 | 11n28 | 5s 5 | 4s12 | 0s42 | 19s33 | 1s19 | 25s24 | 1s56 | 22n30 | 0n 8 | 9s49 | 2n12 | 16n 3 | 0s21 | 17n58 | 0n13 | 11s27 | 17s31 | 19s20 | 19s39 | 14n40 | 12n35 | 0s29 |
| T 2 | 5 58 | 6 57 | 5 10 | 3 28 | 0 22 | 19 55 | 1 22 | 25 25 | 1 55 | 22 29 | 0 8 | 9 52 | 2 12 | 16 2 | 0 21 | 17 58 | 0 13 | 11 27 | 17 31 | 19 19 | 19 38 | 14 42 | 12 34 | 0 29 |
| W 3 | 6 21 | 1 54 | 4 56 | 2 48 | 0 2 | 20 16 | 1 25 | 25 26 | 1 55 | 22 29 | 0 8 | 9 54 | 2 12 | 16 2 | 0 21 | 17 58 | 0 13 | 11 28 | 17 31 | 19 18 | 19 37 | 14 43 | 12 33 | 0 29 |
| T 4 | 6 44 | 3s24 | 4 21 | 2 13 | 0n18 | 20 37 | 1 28 | 25 26 | 1 54 | 22 28 | 0 8 | 9 57 | 2 12 | 16 1 | 0 21 | 17 58 | 0 13 | 11 28 | 17 31 | 19 16 | 19 36 | 14 45 | 12 32 | 0 29 |
| F 5 | 7 7 | 8 36 | 3 28 | 1 42 | 0 36 | 20 57 | 1 31 | 25 26 | 1 54 | 22 28 | 0 8 | 9 59 | 2 12 | 16 0 | 0 21 | 17 57 | 0 13 | 11 29 | 17 31 | 19 15 | 19 36 | 14 46 | 12 31 | 0 29 |
| S 6 | 7 30 | 13 18 | 2 20 | 1 18 | 0 52 | 21 16 | 1 34 | 25 26 | 1 53 | 22 27 | 0 9 | 10 2 | 2 12 | 16 0 | 0 21 | 17 57 | 0 13 | 11 29 | 17 31 | 19 14 | 19 35 | 14 48 | 12 30 | 0 29 |
| S 7 | 7 53 | 17 7 | 1 2 | 0 59 | 1 7 | 21 35 | 1 37 | 25 26 | 1 53 | 22 27 | 0 9 | 10 4 | 2 12 | 15 59 | 0 21 | 17 57 | 0 13 | 11 29 | 17 31 | 19 14 | 19 34 | 14 49 | 12 29 | 0 29 |
| M 8 | 8 16 | 19 43 | 0n19 | 0 46 | 1 21 | 21 54 | 1 40 | 25 26 | 1 52 | 22 26 | 0 9 | 10 7 | 2 12 | 15 58 | 0 21 | 17 57 | 0 13 | 11 30 | 17 30 | 19 13 | 19 33 | 14 51 | 12 28 | 0 29 |
| T 9 | 8 38 | 20 56 | 1 37 | 0 39 | 1 33 | 22 12 | 1 43 | 25 25 | 1 52 | 22 26 | 0 9 | 10 9 | 2 11 | 15 58 | 0 21 | 17 56 | 0 13 | 11 30 | 17 30 | 19 14 | 19 33 | 14 52 | 12 27 | 0 29 |
| W10 | 9 1 | 20 44 | 2 48 | 0 38 | 1 43 | 22 29 | 1 46 | 25 24 | 1 51 | 22 25 | 0 9 | 10 12 | 2 11 | 15 57 | 0 21 | 17 56 | 0 13 | 11 31 | 17 30 | 19 14 | 19 32 | 14 54 | 12 26 | 0 30 |
| T 11 | 9 23 | 19 17 | 3 46 | 0 43 | 1 51 | 22 46 | 1 48 | 25 22 | 1 51 | 22 25 | 0 9 | 10 14 | 2 11 | 15 56 | 0 21 | 17 56 | 0 13 | 11 31 | 17 30 | 19 14 | 19 31 | 14 55 | 12 25 | 0 30 |
| F 12 | 9 45 | 16 48 | 4 30 | 0 52 | 1 58 | 23 2 | 1 51 | 25 21 | 1 50 | 22 25 | 0 9 | 10 17 | 2 11 | 15 56 | 0 21 | 17 56 | 0 13 | 11 31 | 17 30 | 19 14 | 19 31 | 14 57 | 12 23 | 0 30 |
| S 13 | 10 7 | 13 31 | 4 59 | 1 6 | 2 3 | 23 17 | 1 54 | 25 19 | 1 50 | 22 24 | 0 10 | 10 19 | 2 11 | 15 55 | 0 21 | 17 55 | 0 13 | 11 32 | 17 30 | 19 14 | 19 30 | 14 58 | 12 22 | 0 30 |
| S 14 | 10 29 | 9 42 | 5 13 | 1 24 | 2 7 | 23 32 | 1 56 | 25 17 | 1 49 | 22 24 | 0 10 | 10 22 | 2 11 | 15 54 | 0 21 | 17 55 | 0 13 | 11 32 | 17 30 | 19 14 | 19 29 | 15 0 | 12 21 | 0 30 |
| M15 | 10 51 | 5 32 | 5 11 | 1 46 | 2 10 | 23 46 | 1 59 | 25 14 | 1 49 | 22 24 | 0 10 | 10 24 | 2 11 | 15 54 | 0 21 | 17 55 | 0 13 | 11 32 | 17 30 | 19 13 | 19 28 | 15 1 | 12 20 | 0 30 |
| T 16 | 11 12 | 1 13 | 4 55 | 2 11 | 2 12 | 24 0 | 2 1 | 25 12 | 1 48 | 22 23 | 0 10 | 10 27 | 2 11 | 15 53 | 0 21 | 17 55 | 0 13 | 11 33 | 17 30 | 19 12 | 19 28 | 15 3 | 12 19 | 0 30 |
| W17 | 11 34 | 3n 5 | 4 26 | 2 39 | 2 12 | 24 13 | 2 3 | 25 9 | 1 48 | 22 23 | 0 10 | 10 29 | 2 11 | 15 52 | 0 21 | 17 55 | 0 13 | 11 33 | 17 30 | 19 11 | 19 27 | 15 4 | 12 18 | 0 30 |
| T 18 | 11 55 | 7 15 | 3 45 | 3 9 | 2 12 | 24 25 | 2 6 | 25 6 | 1 47 | 22 23 | 0 10 | 10 32 | 2 11 | 15 52 | 0 21 | 17 54 | 0 13 | 11 33 | 17 29 | 19 10 | 19 26 | 15 6 | 12 17 | 0 30 |
| F 19 | 12 16 | 11 6 | 2 55 | 3 41 | 2 10 | 24 37 | 2 8 | 25 2 | 1 46 | 22 23 | 0 11 | 10 34 | 2 11 | 15 51 | 0 21 | 17 54 | 0 13 | 11 33 | 17 29 | 19 9 | 19 25 | 15 7 | 12 16 | 0 30 |
| S 20 | 12 36 | 14 30 | 1 58 | 4 14 | 2 8 | 24 47 | 2 10 | 24 59 | 1 46 | 22 23 | 0 11 | 10 37 | 2 11 | 15 50 | 0 21 | 17 54 | 0 13 | 11 34 | 17 29 | 19 8 | 19 25 | 15 9 | 12 14 | 0 30 |
| S 21 | 12 57 | 17 18 | 0 55 | 4 50 | 2 5 | 24 58 | 2 12 | 24 55 | 1 45 | 22 23 | 0 11 | 10 39 | 2 11 | 15 49 | 0 21 | 17 54 | 0 13 | 11 34 | 17 29 | 19 8 | 19 24 | 15 10 | 12 13 | 0 31 |
| M22 | 13 17 | 19 23 | 0s10 | 5 26 | 2 2 | 25 7 | 2 14 | 24 50 | 1 45 | 22 23 | 0 11 | 10 41 | 2 11 | 15 49 | 0 21 | 17 54 | 0 13 | 11 34 | 17 29 | 19 8 | 19 23 | 15 12 | 12 12 | 0 31 |
| T 23 | 13 38 | 20 38 | 1 15 | 6 3 | 1 58 | 25 16 | 2 16 | 24 46 | 1 44 | 22 23 | 0 11 | 10 44 | 2 11 | 15 48 | 0 21 | 17 54 | 0 13 | 11 34 | 17 29 | 19 8 | 19 22 | 15 13 | 12 11 | 0 31 |
| W24 | 13 58 | 20 57 | 2 17 | 6 41 | 1 54 | 25 24 | 2 18 | 24 41 | 1 43 | 22 22 | 0 11 | 10 46 | 2 11 | 15 47 | 0 21 | 17 54 | 0 13 | 11 35 | 17 29 | 19 8 | 19 22 | 15 15 | 12 10 | 0 31 |
| T 25 | 14 17 | 20 17 | 3 14 | 7 19 | 1 49 | 25 31 | 2 20 | 24 36 | 1 43 | 22 22 | 0 11 | 10 49 | 2 11 | 15 46 | 0 21 | 17 54 | 0 13 | 11 35 | 17 28 | 19 9 | 19 21 | 15 16 | 12 9 | 0 31 |
| F 26 | 14 37 | 18 40 | 4 3 | 7 58 | 1 44 | 25 38 | 2 22 | 24 31 | 1 42 | 22 23 | 0 12 | 10 51 | 2 11 | 15 46 | 0 21 | 17 53 | 0 13 | 11 35 | 17 28 | 19 9 | 19 20 | 15 17 | 12 8 | 0 31 |
| S 27 | 14 56 | 16 6 | 4 42 | 8 37 | 1 38 | 25 44 | 2 23 | 24 25 | 1 42 | 22 23 | 0 12 | 10 54 | 2 11 | 15 45 | 0 21 | 17 53 | 0 13 | 11 35 | 17 28 | 19 9 | 19 19 | 15 19 | 12 7 | 0 31 |
| S 28 | 15 15 | 12 42 | 5 7 | 9 16 | 1 33 | 25 49 | 2 25 | 24 20 | 1 41 | 22 23 | 0 12 | 10 56 | 2 11 | 15 44 | 0 21 | 17 53 | 0 13 | 11 36 | 17 28 | 19 9 | 19 19 | 15 20 | 12 5 | 0 31 |
| M29 | 15 34 | 8 35 | 5 17 | 9 55 | 1 27 | 25 54 | 2 26 | 24 14 | 1 40 | 22 23 | 0 12 | 10 58 | 2 11 | 15 43 | 0 21 | 17 53 | 0 13 | 11 36 | 17 28 | 19 9 | 19 18 | 15 22 | 12 4 | 0 31 |
| T 30 | 15 52 | 3 53 | 5 10 | 10 34 | 1 20 | 25 58 | 2 28 | 24 7 | 1 40 | 22 23 | 0 12 | 11 1 | 2 11 | 15 43 | 0 21 | 17 53 | 0 13 | 11 36 | 17 27 | 19 9 | 19 17 | 15 23 | 12 3 | 0 31 |
| W31 | 16s11 | 1s10 | 4s43 | 11s13 | 1n14 | 26s 1 | 2s29 | 24s 1 | 1s39 | 22n23 | 0n12 | 11s 3 | 2n11 | 15n42 | 0s21 | 17n53 | 0n13 | 11s36 | 17s27 | 19s 9 | 19s16 | 15n25 | 12n 2 | 0s31 |

Julian Day Number = 2123106.5, Delta T = 17m40s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'15, Lahiri = 11°19'15 Julian Calendar 1 Oct. 1100 == Greg. Calendar 8 Oct. 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## NOVEMBER 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 6 4 | 15♏12'34 | 6♎42 | 4♏ 1 | 28♐30 | 18♑28 | 19°R 9 | 4♏42 | 13°R41 | 10♒34 | 11°R 9 | 25°R 8 | 25♏38 | 6♉51 | 2°R49 | T 1 |
| F 2 | 3 10 0 | 16°13'16 | 21°39 | 5°35 | 29°40 | 19°14 | 19♋ 8 | 4°49 | 13♉38 | 10°34 | 11♈ 8 | 25♏ 7 | 25°34 | 6°58 | 2♉46 | F 2 |
| S 3 | 3 13 57 | 17°14'00 | 6♏49 | 7°10 | 0♑50 | 19°59 | 19° 7 | 4°56 | 13°36 | 10°34 | 11° 7 | 25° 7 | 25°31 | 7° 4 | 2°43 | S 3 |
| S 4 | 3 17 53 | 18°14'45 | 22° 2 | 8°45 | 2° 0 | 20°45 | 19° 7 | 5° 3 | 13°33 | 10°34 | 11° 7 | 25°D 6 | 25°28 | 7°11 | 2°40 | S 4 |
| M 5 | 3 21 50 | 19°15'32 | 7♐ 8 | 10°20 | 3° 9 | 21°30 | 19° 6 | 5°10 | 13°31 | 10°34 | 11° 6 | 25° 6 | 25°25 | 7°18 | 2°38 | M 5 |
| T 6 | 3 25 46 | 20°16'19 | 21°58 | 11°55 | 4°19 | 22°16 | 19° 4 | 5°17 | 13°28 | 10°R34 | 11° 5 | 25° 7 | 25°22 | 7°24 | 2°35 | T 6 |
| W 7 | 3 29 43 | 21°17'09 | 6♑26 | 13°30 | 5°29 | 23° 1 | 19° 3 | 5°24 | 13°26 | 10°34 | 11° 4 | 25° 7 | 25°19 | 7°31 | 2°32 | W 7 |
| T 8 | 3 33 40 | 22°17'59 | 20°27 | 15° 4 | 6°38 | 23°47 | 19° 1 | 5°31 | 13°23 | 10°34 | 11° 3 | 25° 7 | 25°15 | 7°38 | 2°29 | T 8 |
| F 9 | 3 37 36 | 23°18'50 | 4♒ 2 | 16°39 | 7°47 | 24°32 | 18°59 | 5°38 | 13°21 | 10°34 | 11° 2 | 25° 8 | 25°12 | 7°44 | 2°26 | F 9 |
| S 10 | 3 41 33 | 24°19'42 | 17°10 | 18°14 | 8°57 | 25°18 | 18°57 | 5°45 | 13°18 | 10°34 | 11° 2 | 25° 8 | 25° 9 | 7°51 | 2°23 | S 10 |
| S 11 | 3 45 29 | 25°20'34 | 29°55 | 19°48 | 10° 6 | 26° 4 | 18°55 | 5°52 | 13°16 | 10°34 | 11° 1 | 25° 8 | 25° 6 | 7°58 | 2°21 | S 11 |
| M12 | 3 49 26 | 26°21'28 | 12♓20 | 21°23 | 11°14 | 26°49 | 18°53 | 5°58 | 13°14 | 10°34 | 11° 0 | 25° 8 | 25° 3 | 8° 4 | 2°18 | M12 |
| T 13 | 3 53 22 | 27°22'23 | 24°30 | 22°57 | 12°23 | 27°35 | 18°50 | 6° 5 | 13°11 | 10°33 | 10°59 | 25° 8 | 25° 0 | 8°11 | 2°15 | T 13 |
| W14 | 3 57 19 | 28°23'18 | 6♈29 | 24°31 | 13°32 | 28°21 | 18°47 | 6°12 | 13° 9 | 10°33 | 10°58 | 25° 8 | 24°56 | 8°18 | 2°12 | W14 |
| T 15 | 4 1 15 | 29°24'14 | 18°21 | 26° 6 | 14°40 | 29° 6 | 18°44 | 6°19 | 13° 6 | 10°33 | 10°58 | 25° 9 | 24°53 | 8°24 | 2°10 | T 15 |
| F 16 | 4 5 12 | 0♐25'11 | 0♉ 9 | 27°40 | 15°49 | 29°52 | 18°41 | 6°26 | 13° 4 | 10°33 | 10°57 | 25° 9 | 24°50 | 8°31 | 2° 7 | F 16 |
| S 17 | 4 9 9 | 1°26'09 | 11°57 | 29°14 | 16°57 | 0♒38 | 18°37 | 6°32 | 13° 2 | 10°32 | 10°56 | 25°10 | 24°47 | 8°38 | 2° 5 | S 17 |
| S 18 | 4 13 5 | 2°27'08 | 23°47 | 0♐48 | 18° 5 | 1°24 | 18°34 | 6°39 | 12°59 | 10°32 | 10°56 | 25°R10 | 24°44 | 8°44 | 2° 2 | S 18 |
| M19 | 4 17 2 | 3°28'08 | 5♊42 | 2°23 | 19°13 | 2°10 | 18°30 | 6°46 | 12°57 | 10°31 | 10°55 | 25°10 | 24°40 | 8°51 | 2° 0 | M19 |
| T 20 | 4 20 58 | 4°29'09 | 17°43 | 3°57 | 20°20 | 2°56 | 18°26 | 6°52 | 12°55 | 10°31 | 10°54 | 25° 9 | 24°37 | 8°58 | 1°57 | T 20 |
| W21 | 4 24 55 | 5°30'11 | 29°52 | 5°31 | 21°28 | 3°41 | 18°22 | 6°59 | 12°52 | 10°31 | 10°54 | 25° 8 | 24°34 | 9° 4 | 1°55 | W21 |
| T 22 | 4 28 51 | 6°31'13 | 12♋12 | 7° 5 | 22°35 | 4°27 | 18°18 | 7° 5 | 12°50 | 10°30 | 10°53 | 25° 6 | 24°31 | 9°11 | 1°52 | T 22 |
| F 23 | 4 32 48 | 7°32'17 | 24°43 | 8°40 | 23°42 | 5°13 | 18°13 | 7°12 | 12°48 | 10°30 | 10°53 | 25° 5 | 24°28 | 9°17 | 1°50 | F 23 |
| S 24 | 4 36 44 | 8°33'21 | 7♌28 | 10°15 | 24°49 | 5°59 | 18° 9 | 7°18 | 12°46 | 10°29 | 10°52 | 25° 3 | 24°25 | 9°24 | 1°48 | S 24 |
| S 25 | 4 40 41 | 9°34'27 | 20°28 | 11°49 | 25°55 | 6°45 | 18° 4 | 7°25 | 12°44 | 10°28 | 10°52 | 25° 1 | 24°21 | 9°31 | 1°45 | S 25 |
| M26 | 4 44 38 | 10°35'33 | 3♍47 | 13°24 | 27° 2 | 7°31 | 17°59 | 7°31 | 12°41 | 10°28 | 10°51 | 25° 1 | 24°18 | 9°37 | 1°43 | M26 |
| T 27 | 4 48 34 | 11°36'40 | 17°24 | 14°59 | 28° 8 | 8°17 | 17°54 | 7°38 | 12°39 | 10°27 | 10°51 | 25°D 1 | 24°15 | 9°44 | 1°41 | T 27 |
| W28 | 4 52 31 | 12°37'48 | 1♎23 | 16°34 | 29°14 | 9° 3 | 17°48 | 7°44 | 12°37 | 10°26 | 10°50 | 25° 1 | 24°12 | 9°51 | 1°39 | W28 |
| T 29 | 4 56 27 | 13°38'57 | 15°41 | 18° 9 | 0♒20 | 9°49 | 17°43 | 7°50 | 12°35 | 10°26 | 10°50 | 25° 3 | 24° 9 | 9°57 | 1°37 | T 29 |
| F 30 | 5 0 24 | 14♐40'07 | 0♏17 | 19♐45 | 1♒25 | 10♒35 | 17♋37 | 7♏56 | 12♉33 | 10♒25 | 10♈49 | 25♏ 4 | 24♏ 6 | 10♉ 4 | 1♉35 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s29 | 6s18 | 3s58 | 11s51 | 1n 8 | 26s 3 | 2s30 | 23s54 | 1s38 | 22n23 | 0n13 | 11s 5 | 2n11 | 15n41 | 0s21 | 17n53 | 0n13 | 11s36 | 17s27 | 19s 9 | 19s16 | 15n26 | 12n 1 | 0s31 |
| F 2 | 16 46 | 11 11 | 2 55 | 12 29 | 1 1 | 26 5 | 2 31 | 23 47 | 1 38 | 22 24 | 0 13 | 11 8 | 2 11 | 15 40 | 0 21 | 17 53 | 0 13 | 11 36 | 17 27 | 19 8 | 19 15 | 15 27 | 12 0 | 0 32 |
| S 3 | 17 4 | 15 26 | 1 40 | 13 7 | 0 54 | 26 6 | 2 32 | 23 39 | 1 37 | 22 24 | 0 13 | 11 10 | 2 11 | 15 40 | 0 21 | 17 53 | 0 13 | 11 37 | 17 27 | 19 8 | 19 14 | 15 29 | 11 59 | 0 32 |
| S 4 | 17 21 | 18 38 | 0 17 | 13 44 | 0 48 | 26 6 | 2 33 | 23 32 | 1 36 | 22 24 | 0 13 | 11 12 | 2 11 | 15 39 | 0 21 | 17 53 | 0 13 | 11 37 | 17 26 | 19 8 | 19 13 | 15 30 | 11 58 | 0 32 |
| M 5 | 17 37 | 20 31 | 1n 6 | 14 21 | 0 41 | 26 5 | 2 34 | 23 24 | 1 36 | 22 24 | 0 13 | 11 15 | 2 11 | 15 38 | 0 21 | 17 53 | 0 13 | 11 37 | 17 26 | 19 8 | 19 12 | 15 32 | 11 57 | 0 32 |
| T 6 | 17 54 | 20 55 | 2 24 | 14 57 | 0 34 | 26 4 | 2 35 | 23 16 | 1 35 | 22 25 | 0 13 | 11 17 | 2 11 | 15 38 | 0 21 | 17 53 | 0 13 | 11 37 | 17 26 | 19 8 | 19 12 | 15 33 | 11 56 | 0 32 |
| W 7 | 18 10 | 19 54 | 3 30 | 15 32 | 0 27 | 26 2 | 2 35 | 23 8 | 1 34 | 22 25 | 0 14 | 11 19 | 2 11 | 15 37 | 0 21 | 17 53 | 0 13 | 11 37 | 17 26 | 19 8 | 19 11 | 15 34 | 11 55 | 0 32 |
| T 8 | 18 26 | 17 40 | 4 22 | 16 7 | 0 20 | 25 59 | 2 36 | 22 59 | 1 34 | 22 26 | 0 14 | 11 22 | 2 11 | 15 36 | 0 21 | 17 53 | 0 13 | 11 37 | 17 25 | 19 8 | 19 10 | 15 36 | 11 54 | 0 32 |
| F 9 | 18 41 | 14 32 | 4 57 | 16 41 | 0 13 | 25 55 | 2 36 | 22 50 | 1 33 | 22 26 | 0 14 | 11 24 | 2 11 | 15 35 | 0 21 | 17 53 | 0 13 | 11 37 | 17 25 | 19 8 | 19 9 | 15 37 | 11 53 | 0 32 |
| S 10 | 18 57 | 10 45 | 5 15 | 17 14 | 0 7 | 25 51 | 2 36 | 22 41 | 1 32 | 22 26 | 0 14 | 11 26 | 2 11 | 15 35 | 0 21 | 17 53 | 0 13 | 11 37 | 17 25 | 19 8 | 19 9 | 15 39 | 11 51 | 0 32 |
| S 11 | 19 11 | 6 36 | 5 17 | 17 46 | 0s 0 | 25 46 | 2 37 | 22 32 | 1 31 | 22 27 | 0 14 | 11 28 | 2 11 | 15 34 | 0 21 | 17 53 | 0 13 | 11 37 | 17 25 | 19 8 | 19 8 | 15 40 | 11 50 | 0 32 |
| M12 | 19 26 | 2 17 | 5 4 | 18 18 | 0 7 | 25 41 | 2 37 | 22 22 | 1 31 | 22 27 | 0 14 | 11 31 | 2 11 | 15 33 | 0 21 | 17 53 | 0 13 | 11 37 | 17 24 | 19 8 | 19 7 | 15 41 | 11 49 | 0 32 |
| T 13 | 19 40 | 2n 3 | 4 37 | 18 49 | 0 14 | 25 34 | 2 36 | 22 13 | 1 30 | 22 28 | 0 15 | 11 33 | 2 11 | 15 32 | 0 21 | 17 53 | 0 13 | 11 37 | 17 24 | 19 8 | 19 6 | 15 43 | 11 48 | 0 32 |
| W14 | 19 54 | 6 15 | 3 59 | 19 19 | 0 20 | 25 27 | 2 36 | 22 3 | 1 29 | 22 28 | 0 15 | 11 35 | 2 12 | 15 32 | 0 21 | 17 53 | 0 13 | 11 37 | 17 24 | 19 8 | 19 6 | 15 44 | 11 47 | 0 32 |
| T 15 | 20 7 | 10 10 | 3 11 | 19 48 | 0 27 | 25 20 | 2 36 | 21 53 | 1 28 | 22 29 | 0 15 | 11 37 | 2 12 | 15 31 | 0 21 | 17 54 | 0 13 | 11 37 | 17 23 | 19 9 | 19 5 | 15 45 | 11 46 | 0 32 |
| F 16 | 20 20 | 13 41 | 2 15 | 20 16 | 0 33 | 25 11 | 2 35 | 21 42 | 1 28 | 22 30 | 0 15 | 11 39 | 2 12 | 15 30 | 0 21 | 17 54 | 0 13 | 11 37 | 17 23 | 19 9 | 19 4 | 15 47 | 11 45 | 0 33 |
| S 17 | 20 33 | 16 39 | 1 13 | 20 43 | 0 39 | 25 2 | 2 35 | 21 32 | 1 27 | 22 30 | 0 15 | 11 41 | 2 12 | 15 30 | 0 21 | 17 54 | 0 13 | 11 37 | 17 23 | 19 9 | 19 3 | 15 48 | 11 45 | 0 33 |
| S 18 | 20 45 | 18 56 | 0 8 | 21 10 | 0 46 | 24 52 | 2 34 | 21 21 | 1 26 | 22 31 | 0 15 | 11 44 | 2 12 | 15 29 | 0 21 | 17 54 | 0 13 | 11 37 | 17 23 | 19 9 | 19 2 | 15 50 | 11 44 | 0 33 |
| M19 | 20 57 | 20 24 | 0s58 | 21 35 | 0 52 | 24 42 | 2 33 | 21 10 | 1 25 | 22 32 | 0 16 | 11 46 | 2 12 | 15 28 | 0 21 | 17 54 | 0 14 | 11 37 | 17 22 | 19 9 | 19 2 | 15 51 | 11 43 | 0 33 |
| T 20 | 21 8 | 20 57 | 2 2 | 21 59 | 0 57 | 24 31 | 2 32 | 20 58 | 1 25 | 22 32 | 0 16 | 11 48 | 2 12 | 15 28 | 0 21 | 17 54 | 0 14 | 11 37 | 17 22 | 19 9 | 19 1 | 15 52 | 11 42 | 0 33 |
| W21 | 21 19 | 20 32 | 3 1 | 22 22 | 1 3 | 24 19 | 2 31 | 20 47 | 1 24 | 22 33 | 0 16 | 11 50 | 2 12 | 15 27 | 0 21 | 17 54 | 0 14 | 11 37 | 17 22 | 19 8 | 19 0 | 15 54 | 11 41 | 0 33 |
| T 22 | 21 30 | 19 8 | 3 52 | 22 44 | 1 9 | 24 7 | 2 30 | 20 35 | 1 23 | 22 34 | 0 16 | 11 52 | 2 12 | 15 26 | 0 21 | 17 54 | 0 14 | 11 37 | 17 21 | 19 8 | 18 59 | 15 55 | 11 40 | 0 33 |
| F 23 | 21 40 | 16 48 | 4 34 | 23 5 | 1 14 | 23 54 | 2 28 | 20 23 | 1 22 | 22 35 | 0 16 | 11 54 | 2 12 | 15 26 | 0 21 | 17 55 | 0 14 | 11 37 | 17 21 | 19 8 | 18 59 | 15 56 | 11 39 | 0 33 |
| S 24 | 21 50 | 13 37 | 5 2 | 23 24 | 1 20 | 23 41 | 2 27 | 20 11 | 1 22 | 22 35 | 0 17 | 11 56 | 2 12 | 15 25 | 0 21 | 17 55 | 0 14 | 11 37 | 17 21 | 19 7 | 18 58 | 15 58 | 11 38 | 0 33 |
| S 25 | 22 0 | 9 44 | 5 16 | 23 43 | 1 25 | 23 27 | 2 25 | 19 59 | 1 21 | 22 36 | 0 17 | 11 58 | 2 12 | 15 24 | 0 21 | 17 55 | 0 14 | 11 37 | 17 20 | 19 7 | 18 57 | 15 59 | 11 37 | 0 33 |
| M26 | 22 9 | 5 18 | 5 13 | 24 0 | 1 30 | 23 12 | 2 23 | 19 46 | 1 20 | 22 37 | 0 17 | 12 0 | 2 12 | 15 24 | 0 21 | 17 55 | 0 14 | 11 37 | 17 20 | 19 7 | 18 56 | 16 0 | 11 37 | 0 33 |
| T 27 | 22 17 | 0 30 | 4 53 | 24 16 | 1 34 | 22 57 | 2 21 | 19 33 | 1 19 | 22 38 | 0 17 | 12 2 | 2 13 | 15 23 | 0 21 | 17 55 | 0 14 | 11 37 | 17 20 | 19 7 | 18 55 | 16 2 | 11 36 | 0 33 |
| W28 | 22 25 | 4s27 | 4 15 | 24 31 | 1 39 | 22 41 | 2 19 | 19 20 | 1 18 | 22 39 | 0 17 | 12 4 | 2 13 | 15 22 | 0 21 | 17 56 | 0 14 | 11 37 | 17 19 | 19 7 | 18 55 | 16 3 | 11 35 | 0 33 |
| T 29 | 22 33 | 9 17 | 3 21 | 24 44 | 1 43 | 22 24 | 2 17 | 19 7 | 1 18 | 22 40 | 0 17 | 12 6 | 2 13 | 15 22 | 0 21 | 17 56 | 0 14 | 11 36 | 17 19 | 19 7 | 18 54 | 16 4 | 11 34 | 0 33 |
| F 30 | 22s40 | 13s42 | 2s13 | 24s56 | 1s47 | 22s 8 | 2s15 | 18s54 | 1s17 | 22n41 | 0n18 | 12s 8 | 2n13 | 15n21 | 0s21 | 17n56 | 0n14 | 11s36 | 17s19 | 19s 7 | 18s53 | 16n 5 | 11n33 | 0s33 |

Julian Day Number = 2123137.5, Delta T = 17m40s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'19, Lahiri = 11°19'19 Julian Calendar 1 Nov. 1100 == Greg. Calendar 8 Nov. 1100


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# ASTRODIENST EPHEMERIS for the year 1100
# geocentric

## DECEMBER 1100 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 4 20 | 15♐41'18 | 15♏ 6 | 21♐20 | 2♒30 | 11♒21 | 17°R31 | 8♏ 3 | 12°R31 | 10°R24 | 10°R49 | 25♏ 5 | 24♏ 2 | 10♉11 | 1°R33 | S 1 |
| S 2 | 5 8 17 | 16°42'29 | 0♐ 4 | 22°56 | 3°35 | 12° 6 | 17♋25 | 8° 9 | 12♉29 | 10♌23 | 10♈48 | 25°R 5 | 23°59 | 10°17 | 1♉31 | S 2 |
| M 3 | 5 12 13 | 17°43'41 | 15° 0 | 24°32 | 4°40 | 12°52 | 17°19 | 8°15 | 12°27 | 10°22 | 10°48 | 25° 4 | 23°56 | 10°24 | 1°29 | M 3 |
| T 4 | 5 16 10 | 18°44'53 | 29°48 | 26° 8 | 5°45 | 13°38 | 17°13 | 8°21 | 12°25 | 10°21 | 10°48 | 25° 2 | 23°53 | 10°31 | 1°27 | T 4 |
| W 5 | 5 20 7 | 19°46'05 | 14♑20 | 27°44 | 6°49 | 14°24 | 17° 7 | 8°27 | 12°24 | 10°21 | 10°47 | 24°59 | 23°50 | 10°37 | 1°25 | W 5 |
| T 6 | 5 24 3 | 20°47'18 | 28°29 | 29°21 | 7°53 | 15°10 | 17° 0 | 8°33 | 12°22 | 10°20 | 10°47 | 24°55 | 23°46 | 10°44 | 1°24 | T 6 |
| F 7 | 5 28 0 | 21°48'31 | 12♒12 | 0♑57 | 8°56 | 15°56 | 16°54 | 8°39 | 12°20 | 10°19 | 10°47 | 24°51 | 23°43 | 10°51 | 1°22 | F 7 |
| S 8 | 5 31 56 | 22°49'43 | 25°29 | 2°34 | 9°59 | 16°42 | 16°47 | 8°44 | 12°18 | 10°18 | 10°47 | 24°47 | 23°40 | 10°57 | 1°20 | S 8 |
| S 9 | 5 35 53 | 23°50'56 | 8♓19 | 4°10 | 11° 2 | 17°28 | 16°40 | 8°50 | 12°16 | 10°17 | 10°46 | 24°45 | 23°37 | 11° 4 | 1°19 | S 9 |
| M10 | 5 39 49 | 24°52'08 | 20°48 | 5°47 | 12° 5 | 18°14 | 16°33 | 8°56 | 12°15 | 10°16 | 10°46 | 24°D43 | 23°34 | 11°11 | 1°17 | M10 |
| T 11 | 5 43 46 | 25°53'20 | 2♈59 | 7°24 | 13° 7 | 19° 0 | 16°26 | 9° 2 | 12°13 | 10°14 | 10°46 | 24°44 | 23°31 | 11°17 | 1°16 | T 11 |
| W12 | 5 47 43 | 26°54'32 | 14°57 | 9° 1 | 14° 9 | 19°46 | 16°19 | 9° 7 | 12°12 | 10°13 | 10°46 | 24°45 | 23°27 | 11°24 | 1°14 | W12 |
| T 13 | 5 51 39 | 27°55'44 | 26°47 | 10°37 | 15°10 | 20°32 | 16°11 | 9°13 | 12°10 | 10°12 | 10°46 | 24°47 | 23°24 | 11°30 | 1°13 | T 13 |
| F 14 | 5 55 36 | 28°56'55 | 8♉33 | 12°13 | 16°11 | 21°18 | 16° 4 | 9°18 | 12° 9 | 10°11 | 10°46 | 24°49 | 23°21 | 11°37 | 1°12 | F 14 |
| S 15 | 5 59 32 | 29°58'06 | 20°22 | 13°49 | 17°12 | 22° 4 | 15°57 | 9°24 | 12° 7 | 10°10 | 10°45 | 24°R50 | 23°18 | 11°44 | 1°10 | S 15 |
| S 16 | 6 3 29 | 0♑59'18 | 2♊16 | 15°24 | 18°12 | 22°50 | 15°49 | 9°29 | 12° 6 | 10° 9 | 10°45 | 24°49 | 23°15 | 11°50 | 1° 9 | S 16 |
| M17 | 6 7 25 | 2° 0'28 | 14°18 | 16°59 | 19°11 | 23°36 | 15°41 | 9°34 | 12° 4 | 10° 7 | 10°45 | 24°47 | 23°12 | 11°57 | 1° 8 | M17 |
| T 18 | 6 11 22 | 3° 1'39 | 26°31 | 18°32 | 20°11 | 24°22 | 15°34 | 9°39 | 12° 3 | 10° 6 | 10°45 | 24°44 | 23° 8 | 12° 4 | 1° 7 | T 18 |
| W19 | 6 15 18 | 4° 2'49 | 8♋56 | 20° 5 | 21° 9 | 25° 7 | 15°26 | 9°44 | 12° 2 | 10° 5 | 10°D45 | 24°38 | 23° 5 | 12°10 | 1° 6 | W19 |
| T 20 | 6 19 15 | 5° 3'59 | 21°34 | 21°36 | 22° 7 | 25°53 | 15°18 | 9°50 | 12° 0 | 10° 4 | 10°45 | 24°31 | 23° 2 | 12°17 | 1° 5 | T 20 |
| F 21 | 6 23 12 | 6° 5'09 | 4♌24 | 23° 5 | 23° 5 | 26°39 | 15°10 | 9°55 | 11°59 | 10° 2 | 10°45 | 24°23 | 22°59 | 12°24 | 1° 4 | F 21 |
| S 22 | 6 27 8 | 7° 6'19 | 17°28 | 24°32 | 24° 2 | 27°25 | 15° 2 | 9°59 | 11°58 | 10° 1 | 10°45 | 24°16 | 22°56 | 12°30 | 1° 3 | S 22 |
| S 23 | 6 31 5 | 8° 7'28 | 0♍44 | 25°57 | 24°59 | 28°11 | 14°54 | 10° 4 | 11°57 | 10° 0 | 10°46 | 24° 9 | 22°52 | 12°37 | 1° 3 | S 23 |
| M24 | 6 35 1 | 9° 8'37 | 14°12 | 27°18 | 25°55 | 28°56 | 14°46 | 10° 9 | 11°56 | 9°58 | 10°46 | 24° 4 | 22°49 | 12°44 | 1° 2 | M24 |
| T 25 | 6 38 58 | 10° 9'46 | 27°52 | 28°36 | 26°50 | 29°42 | 14°38 | 10°14 | 11°55 | 9°57 | 10°46 | 24° 2 | 22°46 | 12°50 | 1° 1 | T 25 |
| W26 | 6 42 54 | 11°10'55 | 11♎44 | 29°50 | 27°45 | 0♓28 | 14°30 | 10°18 | 11°54 | 9°55 | 10°46 | 24°D 1 | 22°43 | 12°57 | 1° 1 | W26 |
| T 27 | 6 46 51 | 12°12'04 | 25°48 | 0♒58 | 28°39 | 1°14 | 14°22 | 10°23 | 11°53 | 9°54 | 10°46 | 24° 1 | 22°40 | 13° 4 | 1° 0 | T 27 |
| F 28 | 6 50 47 | 13°13'12 | 10♏ 2 | 2° 1 | 29°32 | 1°59 | 14°14 | 10°28 | 11°52 | 9°53 | 10°46 | 24° 3 | 22°37 | 13°10 | 1° 0 | F 28 |
| S 29 | 6 54 44 | 14°14'20 | 24°27 | 2°58 | 0♓25 | 2°45 | 14° 6 | 10°32 | 11°51 | 9°51 | 10°47 | 24°R 3 | 22°33 | 13°17 | 0°59 | S 29 |
| S 30 | 6 58 41 | 15°15'28 | 8♐57 | 3°46 | 1°17 | 3°31 | 13°58 | 10°36 | 11°51 | 9°50 | 10°47 | 24° 2 | 22°30 | 13°23 | 0°59 | S 30 |
| M31 | 7 2 37 | 16♑16'35 | 23♐30 | 4♒27 | 2♓ 8 | 4♓16 | 13♋50 | 10♏40 | 11♉50 | 9♌48 | 10♈47 | 23♏59 | 22♏27 | 13♉30 | 0♉59 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s47 | 17s19 | 0s55 | 25s 7 | 1s51 | 21s50 | 2s12 | 18s41 | 1s16 | 22n42 | 0n18 | 12s10 | 2n13 | 15n21 | 0s21 | 17n56 | 0n14 | 11s36 | 17s18 | 19s 8 | 18s52 | 16n 7 | 11n33 | 0s34 | S 1 |
| S 2 | 22 53 | 19 49 | 0n27 | 25 16 | 1 54 | 21 32 | 2 9 | 18 27 | 1 15 | 22 43 | 0 18 | 12 12 | 2 13 | 15 20 | 0 21 | 17 57 | 0 14 | 11 36 | 17 18 | 19 8 | 18 52 | 16 8 | 11 32 | 0 34 | S 2 |
| M 3 | 22 59 | 20 55 | 1 48 | 25 24 | 1 57 | 21 14 | 2 7 | 18 13 | 1 14 | 22 43 | 0 18 | 12 13 | 2 13 | 15 19 | 0 21 | 17 57 | 0 14 | 11 36 | 17 18 | 19 7 | 18 51 | 16 9 | 11 31 | 0 34 | M 3 |
| T 4 | 23 4 | 20 33 | 3 0 | 25 30 | 2 0 | 20 55 | 2 3 | 17 59 | 1 14 | 22 44 | 0 18 | 12 15 | 2 13 | 15 19 | 0 21 | 17 57 | 0 14 | 11 36 | 17 17 | 19 7 | 18 50 | 16 11 | 11 30 | 0 34 | T 4 |
| W 5 | 23 9 | 18 49 | 3 59 | 25 35 | 2 3 | 20 36 | 2 0 | 17 45 | 1 13 | 22 45 | 0 18 | 12 17 | 2 13 | 15 18 | 0 21 | 17 57 | 0 14 | 11 35 | 17 17 | 19 6 | 18 49 | 16 12 | 11 30 | 0 34 | W 5 |
| T 6 | 23 14 | 15 58 | 4 42 | 25 38 | 2 5 | 20 16 | 1 57 | 17 30 | 1 12 | 22 46 | 0 19 | 12 19 | 2 13 | 15 18 | 0 21 | 17 58 | 0 14 | 11 35 | 17 17 | 19 5 | 18 48 | 16 13 | 11 29 | 0 34 | T 6 |
| F 7 | 23 18 | 12 19 | 5 7 | 25 40 | 2 7 | 19 56 | 1 53 | 17 16 | 1 11 | 22 47 | 0 19 | 12 21 | 2 14 | 15 17 | 0 20 | 17 58 | 0 14 | 11 35 | 17 16 | 19 4 | 18 48 | 16 14 | 11 28 | 0 34 | F 7 |
| S 8 | 23 22 | 8 9 | 5 14 | 25 40 | 2 8 | 19 35 | 1 50 | 17 1 | 1 10 | 22 48 | 0 19 | 12 22 | 2 14 | 15 17 | 0 20 | 17 58 | 0 14 | 11 35 | 17 16 | 19 3 | 18 47 | 16 16 | 11 28 | 0 34 | S 8 |
| S 9 | 23 25 | 3 46 | 5 6 | 25 38 | 2 9 | 19 14 | 1 46 | 16 46 | 1 9 | 22 49 | 0 19 | 12 24 | 2 14 | 15 16 | 0 20 | 17 58 | 0 14 | 11 35 | 17 16 | 19 3 | 18 46 | 16 17 | 11 27 | 0 34 | S 9 |
| M10 | 23 27 | 0n40 | 4 42 | 25 35 | 2 10 | 18 53 | 1 42 | 16 31 | 1 9 | 22 51 | 0 19 | 12 26 | 2 14 | 15 16 | 0 20 | 17 59 | 0 14 | 11 34 | 17 15 | 19 2 | 18 45 | 16 18 | 11 27 | 0 34 | M10 |
| T 11 | 23 29 | 4 58 | 4 7 | 25 30 | 2 10 | 18 31 | 1 38 | 16 16 | 1 8 | 22 52 | 0 19 | 12 27 | 2 14 | 15 15 | 0 20 | 17 59 | 0 14 | 11 34 | 17 15 | 19 2 | 18 44 | 16 20 | 11 26 | 0 34 | T 11 |
| W12 | 23 31 | 9 0 | 3 21 | 25 24 | 2 9 | 18 9 | 1 34 | 16 1 | 1 7 | 22 53 | 0 20 | 12 29 | 2 14 | 15 15 | 0 20 | 17 59 | 0 14 | 11 34 | 17 15 | 19 3 | 18 44 | 16 21 | 11 26 | 0 34 | W12 |
| T 13 | 23 32 | 12 40 | 2 28 | 25 16 | 2 8 | 17 47 | 1 29 | 15 46 | 1 6 | 22 54 | 0 20 | 12 31 | 2 14 | 15 14 | 0 20 | 18 0 | 0 14 | 11 33 | 17 14 | 19 3 | 18 43 | 16 22 | 11 25 | 0 34 | T 13 |
| F 14 | 23 33 | 15 49 | 1 28 | 25 6 | 2 7 | 17 24 | 1 24 | 15 30 | 1 5 | 22 55 | 0 20 | 12 32 | 2 14 | 15 14 | 0 20 | 18 0 | 0 14 | 11 33 | 17 14 | 19 4 | 18 42 | 16 23 | 11 25 | 0 34 | F 14 |
| S 15 | 23 33 | 18 19 | 0 24 | 24 54 | 2 5 | 17 1 | 1 20 | 15 14 | 1 5 | 22 56 | 0 20 | 12 34 | 2 15 | 15 13 | 0 20 | 18 0 | 0 14 | 11 33 | 17 13 | 19 4 | 18 41 | 16 25 | 11 24 | 0 34 | S 15 |
| S 16 | 23 33 | 20 3 | 0s41 | 24 41 | 2 2 | 16 38 | 1 15 | 14 58 | 1 4 | 22 57 | 0 20 | 12 35 | 2 15 | 15 13 | 0 20 | 18 1 | 0 14 | 11 33 | 17 13 | 19 4 | 18 40 | 16 26 | 11 24 | 0 34 | S 16 |
| M17 | 23 32 | 20 54 | 1 44 | 24 26 | 1 59 | 16 14 | 1 9 | 14 42 | 1 3 | 22 58 | 0 20 | 12 37 | 2 15 | 15 13 | 0 20 | 18 1 | 0 14 | 11 32 | 17 13 | 19 3 | 18 40 | 16 27 | 11 23 | 0 34 | M17 |
| T 18 | 23 31 | 20 46 | 2 44 | 24 10 | 1 55 | 15 50 | 1 4 | 14 26 | 1 2 | 22 59 | 0 21 | 12 38 | 2 15 | 15 12 | 0 20 | 18 1 | 0 14 | 11 32 | 17 12 | 19 2 | 18 39 | 16 28 | 11 23 | 0 35 | T 18 |
| W19 | 23 30 | 19 39 | 3 37 | 23 52 | 1 51 | 15 26 | 0 59 | 14 10 | 1 1 | 23 0 | 0 21 | 12 40 | 2 15 | 15 12 | 0 20 | 18 2 | 0 14 | 11 32 | 17 12 | 19 1 | 18 38 | 16 29 | 11 22 | 0 35 | W19 |
| T 20 | 23 27 | 17 32 | 4 20 | 23 32 | 1 45 | 15 2 | 0 53 | 13 54 | 1 0 | 23 1 | 0 21 | 12 41 | 2 15 | 15 11 | 0 20 | 18 2 | 0 14 | 11 31 | 17 12 | 18 59 | 18 37 | 16 31 | 11 22 | 0 35 | T 20 |
| F 21 | 23 25 | 14 32 | 4 51 | 23 12 | 1 39 | 14 38 | 0 47 | 13 37 | 1 0 | 23 2 | 0 21 | 12 43 | 2 16 | 15 11 | 0 20 | 18 2 | 0 14 | 11 31 | 17 11 | 18 57 | 18 36 | 16 32 | 11 22 | 0 35 | F 21 |
| S 22 | 23 22 | 10 48 | 5 7 | 22 49 | 1 32 | 14 13 | 0 41 | 13 21 | 0 59 | 23 3 | 0 21 | 12 44 | 2 16 | 15 11 | 0 20 | 18 3 | 0 14 | 11 31 | 17 11 | 18 56 | 18 36 | 16 33 | 11 21 | 0 35 | S 22 |
| S 23 | 23 18 | 6 29 | 5 7 | 22 26 | 1 24 | 13 48 | 0 35 | 13 4 | 0 58 | 23 4 | 0 21 | 12 45 | 2 16 | 15 10 | 0 20 | 18 3 | 0 14 | 11 30 | 17 11 | 18 54 | 18 35 | 16 34 | 11 21 | 0 35 | S 23 |
| M24 | 23 14 | 1 47 | 4 50 | 22 1 | 1 15 | 13 23 | 0 28 | 12 47 | 0 57 | 23 5 | 0 21 | 12 47 | 2 16 | 15 10 | 0 20 | 18 4 | 0 14 | 11 30 | 17 10 | 18 53 | 18 34 | 16 36 | 11 21 | 0 35 | M24 |
| T 25 | 23 10 | 3s 5 | 4 17 | 21 36 | 1 5 | 12 58 | 0 22 | 12 30 | 0 56 | 23 6 | 0 22 | 12 48 | 2 16 | 15 10 | 0 20 | 18 4 | 0 14 | 11 29 | 17 10 | 18 52 | 18 33 | 16 37 | 11 20 | 0 35 | T 25 |
| W26 | 23 5 | 7 51 | 3 28 | 21 10 | 0 54 | 12 33 | 0 15 | 12 13 | 0 55 | 23 7 | 0 22 | 12 49 | 2 16 | 15 10 | 0 20 | 18 4 | 0 14 | 11 29 | 17 9 | 18 52 | 18 32 | 16 38 | 11 20 | 0 35 | W26 |
| T 27 | 22 59 | 12 17 | 2 27 | 20 44 | 0 42 | 12 7 | 0 8 | 11 56 | 0 55 | 23 8 | 0 22 | 12 51 | 2 17 | 15 9 | 0 20 | 18 5 | 0 14 | 11 29 | 17 9 | 18 52 | 18 32 | 16 39 | 11 20 | 0 35 | T 27 |
| F 28 | 22 54 | 16 5 | 1 15 | 20 17 | 0 30 | 11 42 | 0 1 | 11 39 | 0 54 | 23 9 | 0 22 | 12 52 | 2 17 | 15 9 | 0 20 | 18 5 | 0 14 | 11 28 | 17 9 | 18 52 | 18 31 | 16 40 | 11 20 | 0 35 | F 28 |
| S 29 | 22 47 | 18 56 | 0n 2 | 19 51 | 0 16 | 11 16 | 0n 7 | 11 22 | 0 53 | 23 10 | 0 22 | 12 53 | 2 17 | 15 9 | 0 20 | 18 6 | 0 14 | 11 28 | 17 8 | 18 53 | 18 30 | 16 42 | 11 20 | 0 35 | S 29 |
| S 30 | 22 41 | 20 35 | 1 19 | 19 25 | 0 1 | 10 51 | 0 14 | 11 4 | 0 52 | 23 11 | 0 22 | 12 54 | 2 17 | 15 9 | 0 20 | 18 6 | 0 14 | 11 27 | 17 8 | 18 52 | 18 29 | 16 43 | 11 19 | 0 35 | S 30 |
| M31 | 22s33 | 20s52 | 2n32 | 19s 0 | 0n15 | 10s25 | 0n22 | 10s47 | 0s51 | 23n12 | 0n22 | 12s55 | 2n17 | 15n 8 | 0s20 | 18n 6 | 0n14 | 11s27 | 17s 8 | 18s51 | 18s28 | 16n44 | 11n19 | 0s35 | M31 |

Julian Day Number = 2123167.5, Delta T = 17m39s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'23, Lahiri = 11°19'23 Julian Calendar 1 Dec. 1100 == Greg. Calendar 8 Dec. 1100


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## JANUARY 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 6 34 | 17♑17'42 | 7♑58 | 4♒59 | 2♓58 | 5♓ 2 | 13°R42 | 10♏45 | 11°R49 | 9°R47 | 10♈47 | 23°R53 | 22♏24 | 13♉37 | 0°R59 | T 1 |
| W 2 | 7 10 30 | 18°18'48 | 22°16 | 5°20 | 3°48 | 5°47 | 13♋34 | 10°49 | 11♉49 | 9♎45 | 10°48 | 23♏45 | 22°21 | 13°43 | 0♉58 | W 2 |
| T 3 | 7 14 27 | 19°19'54 | 6♒18 | 5°R31 | 4°37 | 6°33 | 13°26 | 10°53 | 11°48 | 9°44 | 10°48 | 23°35 | 22°18 | 13°50 | 0°58 | T 3 |
| F 4 | 7 18 23 | 20°20'58 | 20° 0 | 5°31 | 5°25 | 7°19 | 13°18 | 10°57 | 11°48 | 9°42 | 10°48 | 23°25 | 22°14 | 13°57 | 0°D58 | F 4 |
| S 5 | 7 22 20 | 21°22'01 | 3♓17 | 5°19 | 6°12 | 8° 4 | 13°10 | 11° 1 | 11°47 | 9°40 | 10°49 | 23°16 | 22°11 | 14° 3 | 0°58 | S 5 |
| S 6 | 7 26 16 | 22°23'03 | 16°11 | 4°56 | 6°57 | 8°50 | 13° 2 | 11° 4 | 11°47 | 9°39 | 10°49 | 23° 8 | 22° 8 | 14°10 | 0°59 | S 6 |
| M 7 | 7 30 13 | 23°24'04 | 28°43 | 4°21 | 7°42 | 9°35 | 12°54 | 11° 8 | 11°46 | 9°37 | 10°49 | 23° 3 | 22° 5 | 14°17 | 0°59 | M 7 |
| T 8 | 7 34 10 | 24°25'04 | 10♈56 | 3°36 | 8°26 | 10°21 | 12°47 | 11°12 | 11°46 | 9°36 | 10°50 | 22°59 | 22° 2 | 14°23 | 0°59 | T 8 |
| W 9 | 7 38 6 | 25°26'02 | 22°55 | 2°42 | 9° 9 | 11° 6 | 12°39 | 11°15 | 11°46 | 9°34 | 10°50 | 22°D58 | 21°58 | 14°30 | 0°59 | W 9 |
| T 10 | 7 42 3 | 26°27'00 | 4♉46 | 1°40 | 9°51 | 11°51 | 12°31 | 11°18 | 11°46 | 9°32 | 10°51 | 22°58 | 21°55 | 14°37 | 1° 0 | T 10 |
| F 11 | 7 45 59 | 27°27'56 | 16°33 | 0°32 | 10°31 | 12°37 | 12°24 | 11°22 | 11°45 | 9°31 | 10°51 | 22°59 | 21°52 | 14°43 | 1° 0 | F 11 |
| S 12 | 7 49 56 | 28°28'50 | 28°23 | 29♑20 | 11°11 | 13°22 | 12°16 | 11°25 | 11°45 | 9°29 | 10°52 | 22°R59 | 21°49 | 14°50 | 1° 1 | S 12 |
| S 13 | 7 53 52 | 29°29'43 | 10♊19 | 28° 6 | 11°49 | 14° 7 | 12° 9 | 11°28 | 11°D45 | 9°27 | 10°52 | 22°58 | 21°46 | 14°57 | 1° 1 | S 13 |
| M14 | 7 57 49 | 0♒30'35 | 22°27 | 26°53 | 12°25 | 14°53 | 12° 1 | 11°31 | 11°45 | 9°26 | 10°53 | 22°54 | 21°43 | 15° 3 | 1° 2 | M14 |
| T 15 | 8 1 45 | 1°31'26 | 4♋50 | 25°41 | 13° 1 | 15°38 | 11°54 | 11°34 | 11°45 | 9°24 | 10°54 | 22°47 | 21°39 | 15°10 | 1° 2 | T 15 |
| W16 | 8 5 42 | 2°32'15 | 17°30 | 24°34 | 13°34 | 16°23 | 11°47 | 11°37 | 11°46 | 9°22 | 10°54 | 22°37 | 21°36 | 15°16 | 1° 3 | W16 |
| T 17 | 8 9 39 | 3°33'03 | 0♌27 | 23°32 | 14° 7 | 17° 8 | 11°40 | 11°40 | 11°46 | 9°21 | 10°55 | 22°26 | 21°33 | 15°23 | 1° 4 | T 17 |
| F 18 | 8 13 35 | 4°33'50 | 13°42 | 22°37 | 14°37 | 17°53 | 11°33 | 11°42 | 11°46 | 9°19 | 10°56 | 22°14 | 21°30 | 15°30 | 1° 5 | F 18 |
| S 19 | 8 17 32 | 5°34'35 | 27°10 | 21°50 | 15° 7 | 18°38 | 11°26 | 11°45 | 11°46 | 9°17 | 10°56 | 22° 1 | 21°27 | 15°36 | 1° 6 | S 19 |
| S 20 | 8 21 28 | 6°35'19 | 10♍51 | 21°10 | 15°34 | 19°23 | 11°20 | 11°47 | 11°47 | 9°16 | 10°57 | 21°50 | 21°23 | 15°43 | 1° 7 | S 20 |
| M21 | 8 25 25 | 7°36'02 | 24°41 | 20°38 | 16° 0 | 20° 8 | 11°13 | 11°50 | 11°47 | 9°14 | 10°58 | 21°42 | 21°20 | 15°50 | 1° 8 | M21 |
| T 22 | 8 29 21 | 8°36'43 | 8♎37 | 20°15 | 16°24 | 20°53 | 11° 7 | 11°52 | 11°47 | 9°12 | 10°58 | 21°36 | 21°17 | 15°56 | 1° 9 | T 22 |
| W23 | 8 33 18 | 9°37'24 | 22°37 | 19°59 | 16°46 | 21°38 | 11° 0 | 11°54 | 11°48 | 9°11 | 10°59 | 21°33 | 21°14 | 16° 3 | 1°10 | W23 |
| T 24 | 8 37 14 | 10°38'03 | 6♏40 | 19°51 | 17° 6 | 22°23 | 10°54 | 11°56 | 11°49 | 9° 9 | 11° 0 | 21°D32 | 21°11 | 16°10 | 1°11 | T 24 |
| F 25 | 8 41 11 | 11°38'41 | 20°46 | 19°D51 | 17°24 | 23° 8 | 10°48 | 11°58 | 11°49 | 9° 7 | 11° 1 | 21°R32 | 21° 8 | 16°16 | 1°13 | F 25 |
| S 26 | 8 45 8 | 12°39'18 | 4♐52 | 19°58 | 17°40 | 23°53 | 10°42 | 12° 0 | 11°50 | 9° 6 | 11° 1 | 21°32 | 21° 4 | 16°23 | 1°14 | S 26 |
| S 27 | 8 49 4 | 13°39'54 | 18°59 | 20°11 | 17°54 | 24°38 | 10°36 | 12° 2 | 11°51 | 9° 4 | 11° 2 | 21°29 | 21° 1 | 16°30 | 1°16 | S 27 |
| M28 | 8 53 1 | 14°40'29 | 3♑ 4 | 20°30 | 18° 6 | 25°22 | 10°31 | 12° 4 | 11°51 | 9° 2 | 11° 3 | 21°25 | 20°58 | 16°36 | 1°17 | M28 |
| T 29 | 8 56 57 | 15°41'02 | 17° 5 | 20°55 | 18°16 | 26° 7 | 10°25 | 12° 5 | 11°52 | 9° 1 | 11° 4 | 21°17 | 20°55 | 16°43 | 1°19 | T 29 |
| W30 | 9 0 54 | 16°41'33 | 0♒58 | 21°25 | 18°23 | 26°52 | 10°20 | 12° 7 | 11°53 | 8°59 | 11° 5 | 21° 6 | 20°52 | 16°50 | 1°20 | W30 |
| T 31 | 9 4 50 | 17♒42'03 | 14♒39 | 22♑ 0 | 18♓29 | 27♓37 | 10♋15 | 12♏ 8 | 11♉54 | 8♎57 | 11♈ 6 | 20♏53 | 20♏49 | 16♉56 | 1♉22 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s26 | 19s46 | 3n34 | 18s36 | 0n32 | 10s 0 | 0n30 | 10s29 | 0s50 | 23n13 | 0n23 | 12s57 | 2n17 | 15n 8 | 0s20 | 18n 7 | 0n14 | 11s26 | 17s 7 | 18s50 | 18s27 | 16n45 | 11n19 | 0s35 |
| W 2 | 22 18 | 17 24 | 4 21 | 18 14 | 0 49 | 9 34 | 0 38 | 10 12 | 0 49 | 23 14 | 0 23 | 12 58 | 2 18 | 15 8 | 0 20 | 18 7 | 0 14 | 11 26 | 17 7 | 18 48 | 18 27 | 16 46 | 11 19 | 0 35 |
| T 3 | 22 9 | 14 4 | 4 52 | 17 54 | 1 7 | 9 9 | 0 46 | 9 54 | 0 49 | 23 15 | 0 23 | 12 59 | 2 18 | 15 8 | 0 20 | 18 8 | 0 14 | 11 26 | 17 6 | 18 46 | 18 26 | 16 47 | 11 19 | 0 35 |
| F 4 | 22 0 | 10 4 | 5 5 | 17 37 | 1 25 | 8 43 | 0 55 | 9 36 | 0 48 | 23 16 | 0 23 | 13 0 | 2 18 | 15 8 | 0 20 | 18 8 | 0 14 | 11 25 | 17 6 | 18 43 | 18 25 | 16 49 | 11 19 | 0 35 |
| S 5 | 21 51 | 5 40 | 5 1 | 17 22 | 1 43 | 8 18 | 1 4 | 9 19 | 0 47 | 23 17 | 0 23 | 13 1 | 2 18 | 15 8 | 0 20 | 18 9 | 0 14 | 11 25 | 17 6 | 18 41 | 18 24 | 16 50 | 11 19 | 0 35 |
| S 6 | 21 41 | 1 9 | 4 41 | 17 10 | 2 1 | 7 53 | 1 12 | 9 1 | 0 46 | 23 18 | 0 23 | 13 2 | 2 18 | 15 8 | 0 20 | 18 9 | 0 14 | 11 24 | 17 5 | 18 39 | 18 23 | 16 51 | 11 19 | 0 35 |
| M 7 | 21 31 | 3n17 | 4 9 | 17 1 | 2 19 | 7 27 | 1 22 | 8 43 | 0 45 | 23 19 | 0 23 | 13 3 | 2 19 | 15 8 | 0 20 | 18 10 | 0 14 | 11 24 | 17 5 | 18 37 | 18 23 | 16 52 | 11 19 | 0 36 |
| T 8 | 21 20 | 7 30 | 3 25 | 16 55 | 2 36 | 7 2 | 1 31 | 8 25 | 0 44 | 23 20 | 0 23 | 13 4 | 2 19 | 15 7 | 0 20 | 18 10 | 0 14 | 11 23 | 17 5 | 18 37 | 18 22 | 16 53 | 11 19 | 0 36 |
| W 9 | 21 9 | 11 20 | 2 34 | 16 53 | 2 51 | 6 38 | 1 40 | 8 7 | 0 44 | 23 20 | 0 24 | 13 5 | 2 19 | 15 7 | 0 20 | 18 10 | 0 14 | 11 23 | 17 4 | 18 36 | 18 21 | 16 54 | 11 19 | 0 36 |
| T 10 | 20 58 | 14 41 | 1 36 | 16 53 | 3 5 | 6 13 | 1 50 | 7 48 | 0 43 | 23 21 | 0 24 | 13 5 | 2 19 | 15 7 | 0 20 | 18 11 | 0 14 | 11 22 | 17 4 | 18 36 | 18 20 | 16 56 | 11 19 | 0 36 |
| F 11 | 20 46 | 17 25 | 0 34 | 16 56 | 3 16 | 5 49 | 2 0 | 7 30 | 0 42 | 23 22 | 0 24 | 13 6 | 2 19 | 15 7 | 0 20 | 18 11 | 0 14 | 11 22 | 17 4 | 18 36 | 18 19 | 16 57 | 11 19 | 0 36 |
| S 12 | 20 34 | 19 26 | 0s29 | 17 2 | 3 26 | 5 24 | 2 10 | 7 12 | 0 41 | 23 23 | 0 24 | 13 7 | 2 19 | 15 7 | 0 20 | 18 12 | 0 14 | 11 21 | 17 3 | 18 36 | 18 18 | 16 58 | 11 19 | 0 36 |
| S 13 | 20 21 | 20 36 | 1 31 | 17 9 | 3 33 | 5 1 | 2 20 | 6 54 | 0 40 | 23 24 | 0 24 | 13 8 | 2 20 | 15 7 | 0 20 | 18 12 | 0 14 | 11 21 | 17 3 | 18 36 | 18 18 | 16 59 | 11 20 | 0 36 |
| M14 | 20 8 | 20 50 | 2 30 | 17 19 | 3 38 | 4 37 | 2 30 | 6 35 | 0 39 | 23 24 | 0 24 | 13 9 | 2 20 | 15 7 | 0 20 | 18 13 | 0 14 | 11 20 | 17 3 | 18 35 | 18 17 | 17 0 | 11 20 | 0 36 |
| T 15 | 19 55 | 20 5 | 3 23 | 17 30 | 3 40 | 4 14 | 2 41 | 6 17 | 0 39 | 23 25 | 0 24 | 13 9 | 2 20 | 15 7 | 0 20 | 18 13 | 0 14 | 11 19 | 17 2 | 18 33 | 18 16 | 17 1 | 11 20 | 0 36 |
| W16 | 19 41 | 18 19 | 4 8 | 17 42 | 3 40 | 3 51 | 2 52 | 5 59 | 0 38 | 23 26 | 0 24 | 13 10 | 2 20 | 15 8 | 0 20 | 18 14 | 0 14 | 11 19 | 17 2 | 18 31 | 18 15 | 17 2 | 11 20 | 0 36 |
| T 17 | 19 27 | 15 35 | 4 40 | 17 55 | 3 38 | 3 28 | 3 3 | 5 40 | 0 37 | 23 27 | 0 24 | 13 11 | 2 20 | 15 8 | 0 20 | 18 14 | 0 14 | 11 18 | 17 2 | 18 28 | 18 14 | 17 3 | 11 20 | 0 36 |
| F 18 | 19 13 | 12 2 | 4 58 | 18 8 | 3 34 | 3 6 | 3 14 | 5 22 | 0 36 | 23 27 | 0 25 | 13 11 | 2 21 | 15 8 | 0 19 | 18 14 | 0 15 | 11 18 | 17 1 | 18 25 | 18 13 | 17 5 | 11 21 | 0 36 |
| S 19 | 18 58 | 7 48 | 5 0 | 18 22 | 3 28 | 2 45 | 3 25 | 5 3 | 0 35 | 23 28 | 0 25 | 13 12 | 2 21 | 15 8 | 0 19 | 18 15 | 0 15 | 11 17 | 17 1 | 18 22 | 18 13 | 17 6 | 11 21 | 0 36 |
| S 20 | 18 43 | 3 8 | 4 45 | 18 35 | 3 20 | 2 23 | 3 37 | 4 45 | 0 35 | 23 29 | 0 25 | 13 12 | 2 21 | 15 8 | 0 19 | 18 15 | 0 15 | 11 17 | 17 1 | 18 19 | 18 12 | 17 7 | 11 21 | 0 36 |
| M21 | 18 27 | 1s45 | 4 14 | 18 48 | 3 11 | 2 3 | 3 48 | 4 26 | 0 34 | 23 29 | 0 25 | 13 13 | 2 21 | 15 8 | 0 19 | 18 16 | 0 15 | 11 16 | 17 0 | 18 17 | 18 11 | 17 8 | 11 22 | 0 36 |
| T 22 | 18 12 | 6 36 | 3 27 | 19 1 | 3 2 | 1 43 | 4 0 | 4 8 | 0 33 | 23 30 | 0 25 | 13 13 | 2 22 | 15 8 | 0 19 | 18 16 | 0 15 | 11 16 | 17 0 | 18 15 | 18 10 | 17 9 | 11 22 | 0 36 |
| W23 | 17 56 | 11 7 | 2 27 | 19 14 | 2 51 | 1 23 | 4 12 | 3 49 | 0 32 | 23 31 | 0 25 | 13 14 | 2 22 | 15 8 | 0 19 | 18 17 | 0 15 | 11 15 | 17 0 | 18 14 | 18 9 | 17 10 | 11 22 | 0 36 |
| T 24 | 17 39 | 15 2 | 1 18 | 19 26 | 2 40 | 1 4 | 4 24 | 3 31 | 0 31 | 23 31 | 0 25 | 13 14 | 2 22 | 15 9 | 0 19 | 18 17 | 0 15 | 11 14 | 16 59 | 18 14 | 18 8 | 17 11 | 11 23 | 0 36 |
| F 25 | 17 23 | 18 6 | 0 4 | 19 38 | 2 29 | 0 46 | 4 36 | 3 12 | 0 30 | 23 32 | 0 25 | 13 15 | 2 22 | 15 9 | 0 19 | 18 18 | 0 15 | 11 14 | 16 59 | 18 14 | 18 8 | 17 12 | 11 23 | 0 36 |
| S 26 | 17 5 | 20 4 | 1n10 | 19 49 | 2 17 | 0 29 | 4 48 | 2 54 | 0 30 | 23 32 | 0 25 | 13 15 | 2 22 | 15 9 | 0 19 | 18 18 | 0 15 | 11 13 | 16 59 | 18 14 | 18 7 | 17 13 | 11 23 | 0 36 |
| S 27 | 16 48 | 20 46 | 2 20 | 19 58 | 2 5 | 0 12 | 5 0 | 2 35 | 0 29 | 23 33 | 0 25 | 13 15 | 2 23 | 15 9 | 0 19 | 18 19 | 0 15 | 11 13 | 16 58 | 18 13 | 18 6 | 17 14 | 11 24 | 0 36 |
| M28 | 16 31 | 20 10 | 3 21 | 20 8 | 1 53 | 0n 4 | 5 12 | 2 17 | 0 28 | 23 33 | 0 25 | 13 16 | 2 23 | 15 10 | 0 19 | 18 19 | 0 15 | 11 12 | 16 58 | 18 12 | 18 5 | 17 15 | 11 24 | 0 36 |
| T 29 | 16 13 | 18 20 | 4 9 | 20 16 | 1 40 | 0 19 | 5 24 | 1 58 | 0 27 | 23 34 | 0 26 | 13 16 | 2 23 | 15 10 | 0 19 | 18 20 | 0 15 | 11 11 | 16 58 | 18 10 | 18 4 | 17 16 | 11 25 | 0 37 |
| W30 | 15 55 | 15 27 | 4 42 | 20 23 | 1 28 | 0 33 | 5 37 | 1 39 | 0 26 | 23 34 | 0 26 | 13 16 | 2 23 | 15 10 | 0 19 | 18 20 | 0 15 | 11 11 | 16 57 | 18 7 | 18 3 | 17 17 | 11 25 | 0 37 |
| T 31 | 15s36 | 11s45 | 4n59 | 20s29 | 1n16 | 0n46 | 5n49 | 1s21 | 0s26 | 23n35 | 0n26 | 13s17 | 2n23 | 15n10 | 0s19 | 18n20 | 0n15 | 11s10 | 16s57 | 18s 4 | 18s 3 | 17n19 | 11n26 | 0s37 |

Julian Day Number = 2123198.5, Delta T = 17m39s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'27, Lahiri = 11°19'28 Julian Calendar 1 Jan. 1101 == Greg. Calendar 8 Jan. 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## FEBRUARY 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 8 47 | 18♒42'32 | 28♒ 5 | 22♑39 | 18♓31 | 28♓21 | 10°R10 | 12♏10 | 11♉55 | 8°R56 | 11♈ 7 | 20°R40 | 20♏45 | 17♉ 3 | 1♉23 | F 1 |
| S 2 | 9 12 43 | 19°42'58 | 11♓12 | 23°23 | 18°R31 | 29° 6 | 10♋ 5 | 12°11 | 11°56 | 8♌54 | 11° 8 | 20♏27 | 20°42 | 17° 9 | 1°25 | S 2 |
| S 3 | 9 16 40 | 20°43'23 | 24° 0 | 24°10 | 18°29 | 29°50 | 10° 1 | 12°12 | 11°57 | 8°52 | 11° 9 | 20°16 | 20°39 | 17°16 | 1°27 | S 3 |
| M 4 | 9 20 37 | 21°43'46 | 6♈29 | 25° 0 | 18°25 | 0♈35 | 9°56 | 12°13 | 11°58 | 8°51 | 11° 9 | 20° 7 | 20°36 | 17°23 | 1°29 | M 4 |
| T 5 | 9 24 33 | 22°44'07 | 18°42 | 25°54 | 18°17 | 1°19 | 9°52 | 12°14 | 11°59 | 8°49 | 11°10 | 20° 1 | 20°33 | 17°29 | 1°31 | T 5 |
| W 6 | 9 28 30 | 23°44'26 | 0♉42 | 26°51 | 18° 8 | 2° 4 | 9°48 | 12°15 | 12° 0 | 8°47 | 11°11 | 19°58 | 20°29 | 17°36 | 1°33 | W 6 |
| T 7 | 9 32 26 | 24°44'43 | 12°32 | 27°51 | 17°55 | 2°48 | 9°44 | 12°15 | 12° 2 | 8°46 | 11°12 | 19°57 | 20°26 | 17°43 | 1°35 | T 7 |
| F 8 | 9 36 23 | 25°44'58 | 24°20 | 28°53 | 17°41 | 3°32 | 9°40 | 12°16 | 12° 3 | 8°44 | 11°14 | 19°57 | 20°23 | 17°49 | 1°37 | F 8 |
| S 9 | 9 40 19 | 26°45'10 | 6♊10 | 29°58 | 17°23 | 4°17 | 9°37 | 12°16 | 12° 4 | 8°43 | 11°15 | 19°57 | 20°20 | 17°56 | 1°39 | S 9 |
| S 10 | 9 44 16 | 27°45'21 | 18° 7 | 1♒ 5 | 17° 4 | 5° 1 | 9°33 | 12°17 | 12° 6 | 8°41 | 11°16 | 19°55 | 20°17 | 18° 3 | 1°41 | S 10 |
| M11 | 9 48 12 | 28°45'30 | 0♋18 | 2°14 | 16°42 | 5°45 | 9°30 | 12°17 | 12° 7 | 8°39 | 11°17 | 19°52 | 20°14 | 18° 9 | 1°44 | M11 |
| T 12 | 9 52 9 | 29°45'36 | 12°46 | 3°25 | 16°17 | 6°29 | 9°27 | 12°17 | 12° 9 | 8°38 | 11°18 | 19°46 | 20°10 | 18°16 | 1°46 | T 12 |
| W13 | 9 56 6 | 0♓45'41 | 25°34 | 4°38 | 15°51 | 7°13 | 9°24 | 12°R17 | 12°10 | 8°36 | 11°19 | 19°37 | 20° 7 | 18°23 | 1°48 | W13 |
| T 14 | 10 0 2 | 1°45'43 | 8♌45 | 5°53 | 15°22 | 7°57 | 9°22 | 12°17 | 12°12 | 8°35 | 11°20 | 19°26 | 20° 4 | 18°29 | 1°51 | T 14 |
| F 15 | 10 3 59 | 2°45'43 | 22°17 | 7°10 | 14°52 | 8°41 | 9°19 | 12°17 | 12°14 | 8°33 | 11°21 | 19°14 | 20° 1 | 18°36 | 1°53 | F 15 |
| S 16 | 10 7 55 | 3°45'42 | 6♍10 | 8°28 | 14°20 | 9°25 | 9°17 | 12°17 | 12°15 | 8°32 | 11°22 | 19° 1 | 19°58 | 18°42 | 1°56 | S 16 |
| S 17 | 10 11 52 | 4°45'38 | 20°17 | 9°48 | 13°46 | 10° 9 | 9°15 | 12°16 | 12°17 | 8°30 | 11°23 | 18°51 | 19°55 | 18°49 | 1°58 | S 17 |
| M18 | 10 15 48 | 5°45'32 | 4♎34 | 11° 9 | 13°11 | 10°53 | 9°13 | 12°16 | 12°19 | 8°29 | 11°25 | 18°42 | 19°51 | 18°56 | 2° 1 | M18 |
| T 19 | 10 19 45 | 6°45'25 | 18°55 | 12°32 | 12°35 | 11°37 | 9°12 | 12°15 | 12°21 | 8°27 | 11°26 | 18°36 | 19°48 | 19° 2 | 2° 3 | T 19 |
| W20 | 10 23 41 | 7°45'15 | 3♏16 | 13°56 | 11°58 | 12°21 | 9°10 | 12°15 | 12°23 | 8°26 | 11°27 | 18°33 | 19°45 | 19° 9 | 2° 6 | W20 |
| T 21 | 10 27 38 | 8°45'04 | 17°33 | 15°22 | 11°21 | 13° 5 | 9° 9 | 12°14 | 12°24 | 8°25 | 11°28 | 18°D32 | 19°42 | 19°16 | 2° 9 | T 21 |
| F 22 | 10 31 35 | 9°44'52 | 1♐44 | 16°49 | 10°43 | 13°48 | 9° 8 | 12°13 | 12°26 | 8°23 | 11°29 | 18°33 | 19°39 | 19°22 | 2°11 | F 22 |
| S 23 | 10 35 31 | 10°44'38 | 15°47 | 18°18 | 10° 5 | 14°32 | 9° 7 | 12°12 | 12°28 | 8°22 | 11°31 | 18°R33 | 19°35 | 19°29 | 2°14 | S 23 |
| S 24 | 10 39 28 | 11°44'22 | 29°42 | 19°47 | 9°28 | 15°16 | 9° 6 | 12°11 | 12°31 | 8°20 | 11°32 | 18°31 | 19°32 | 19°36 | 2°17 | S 24 |
| M25 | 10 43 24 | 12°44'04 | 13♑28 | 21°18 | 8°50 | 15°59 | 9° 6 | 12°10 | 12°33 | 8°19 | 11°33 | 18°28 | 19°29 | 19°42 | 2°20 | M25 |
| T 26 | 10 47 21 | 13°43'45 | 27° 5 | 22°51 | 8°14 | 16°43 | 9° 5 | 12° 9 | 12°35 | 8°18 | 11°34 | 18°21 | 19°26 | 19°49 | 2°23 | T 26 |
| W27 | 10 51 17 | 14°43'23 | 10♒32 | 24°25 | 7°38 | 17°26 | 9°D 5 | 12° 8 | 12°37 | 8°17 | 11°36 | 18°13 | 19°23 | 19°56 | 2°26 | W27 |
| T 28 | 10 55 14 | 15♓43'00 | 23♒48 | 26♒ 0 | 7♓ 4 | 18♈10 | 9♋ 5 | 12♏ 6 | 12♉39 | 8♌15 | 11♈37 | 18♏ 2 | 19♏20 | 20♉ 2 | 2♉29 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s17 | 7s32 | 4n58 | 20s35 | 1n 5 | 0n59 | 6n 1 | 1s 2 | 0s25 | 23n35 | 0n26 | 13s17 | 2n24 | 15n11 | 0s19 | 18n21 | 0n15 | 11s10 | 16s57 | 18s 0 | 18s 2 | 17n20 | 11n27 | 0s37 |
| S 2 | 14 58 | 3 4 | 4 41 | 20 39 | 0 53 | 1 10 | 6 13 | 0 44 | 0 24 | 23 36 | 0 26 | 13 17 | 2 24 | 15 11 | 0 19 | 18 21 | 0 15 | 11 9 | 16 57 | 17 57 | 18 1 | 17 21 | 11 27 | 0 37 |
| S 3 | 14 39 | 1n26 | 4 11 | 20 42 | 0 42 | 1 20 | 6 25 | 0 25 | 0 23 | 23 36 | 0 26 | 13 17 | 2 24 | 15 11 | 0 19 | 18 22 | 0 15 | 11 8 | 16 56 | 17 54 | 18 0 | 17 22 | 11 28 | 0 37 |
| M 4 | 14 20 | 5 47 | 3 28 | 20 44 | 0 31 | 1 29 | 6 37 | 0 7 | 0 22 | 23 37 | 0 26 | 13 17 | 2 24 | 15 12 | 0 19 | 18 22 | 0 15 | 11 8 | 16 56 | 17 51 | 17 59 | 17 23 | 11 28 | 0 37 |
| T 5 | 14 0 | 9 47 | 2 37 | 20 44 | 0 20 | 1 37 | 6 49 | 0n12 | 0 22 | 23 37 | 0 26 | 13 17 | 2 25 | 15 12 | 0 19 | 18 23 | 0 15 | 11 7 | 16 56 | 17 50 | 17 58 | 17 24 | 11 29 | 0 37 |
| W 6 | 13 40 | 13 20 | 1 40 | 20 44 | 0 10 | 1 43 | 7 0 | 0 30 | 0 21 | 23 37 | 0 26 | 13 17 | 2 25 | 15 13 | 0 19 | 18 23 | 0 15 | 11 6 | 16 55 | 17 49 | 17 57 | 17 25 | 11 30 | 0 37 |
| T 7 | 13 20 | 16 18 | 0 39 | 20 42 | 0s 1 | 1 49 | 7 11 | 0 49 | 0 20 | 23 38 | 0 26 | 13 17 | 2 25 | 15 13 | 0 19 | 18 24 | 0 15 | 11 6 | 16 55 | 17 49 | 17 57 | 17 26 | 11 30 | 0 37 |
| F 8 | 13 0 | 18 34 | 0s23 | 20 39 | 0 10 | 1 53 | 7 22 | 1 7 | 0 19 | 23 38 | 0 26 | 13 17 | 2 25 | 15 13 | 0 19 | 18 24 | 0 15 | 11 5 | 16 55 | 17 49 | 17 56 | 17 27 | 11 31 | 0 37 |
| S 9 | 12 39 | 20 3 | 1 25 | 20 35 | 0 20 | 1 56 | 7 32 | 1 25 | 0 19 | 23 38 | 0 26 | 13 17 | 2 25 | 15 14 | 0 19 | 18 24 | 0 15 | 11 5 | 16 55 | 17 49 | 17 55 | 17 28 | 11 32 | 0 37 |
| S 10 | 12 19 | 20 38 | 2 23 | 20 29 | 0 29 | 1 57 | 7 42 | 1 44 | 0 18 | 23 39 | 0 26 | 13 17 | 2 26 | 15 14 | 0 19 | 18 25 | 0 15 | 11 4 | 16 54 | 17 48 | 17 54 | 17 29 | 11 32 | 0 37 |
| M11 | 11 58 | 20 17 | 3 17 | 20 22 | 0 38 | 1 57 | 7 51 | 2 2 | 0 17 | 23 39 | 0 26 | 13 17 | 2 26 | 15 15 | 0 19 | 18 25 | 0 15 | 11 3 | 16 54 | 17 47 | 17 53 | 17 30 | 11 33 | 0 37 |
| T 12 | 11 37 | 18 56 | 4 1 | 20 14 | 0 46 | 1 56 | 8 0 | 2 20 | 0 16 | 23 39 | 0 26 | 13 17 | 2 26 | 15 15 | 0 19 | 18 26 | 0 15 | 11 3 | 16 54 | 17 46 | 17 52 | 17 31 | 11 34 | 0 37 |
| W13 | 11 15 | 16 37 | 4 36 | 20 5 | 0 54 | 1 53 | 8 8 | 2 39 | 0 15 | 23 40 | 0 27 | 13 17 | 2 26 | 15 16 | 0 19 | 18 26 | 0 15 | 11 2 | 16 54 | 17 43 | 17 52 | 17 32 | 11 35 | 0 37 |
| T 14 | 10 54 | 13 24 | 4 56 | 19 54 | 1 2 | 1 49 | 8 15 | 2 57 | 0 15 | 23 40 | 0 27 | 13 16 | 2 26 | 15 16 | 0 19 | 18 26 | 0 15 | 11 1 | 16 53 | 17 40 | 17 51 | 17 33 | 11 35 | 0 37 |
| F 15 | 10 32 | 9 24 | 5 1 | 19 42 | 1 10 | 1 43 | 8 22 | 3 15 | 0 14 | 23 40 | 0 27 | 13 16 | 2 27 | 15 17 | 0 19 | 18 27 | 0 15 | 11 1 | 16 53 | 17 37 | 17 50 | 17 34 | 11 36 | 0 37 |
| S 16 | 10 11 | 4 50 | 4 48 | 19 28 | 1 17 | 1 37 | 8 28 | 3 33 | 0 13 | 23 40 | 0 27 | 13 16 | 2 27 | 15 17 | 0 19 | 18 27 | 0 15 | 11 0 | 16 53 | 17 34 | 17 49 | 17 35 | 11 37 | 0 37 |
| S 17 | 9 49 | 0s 5 | 4 18 | 19 13 | 1 23 | 1 28 | 8 33 | 3 51 | 0 12 | 23 40 | 0 27 | 13 16 | 2 27 | 15 18 | 0 19 | 18 28 | 0 15 | 10 59 | 16 53 | 17 31 | 17 48 | 17 36 | 11 38 | 0 37 |
| M18 | 9 27 | 5 3 | 3 31 | 18 57 | 1 30 | 1 19 | 8 37 | 4 9 | 0 12 | 23 41 | 0 27 | 13 15 | 2 27 | 15 19 | 0 19 | 18 28 | 0 15 | 10 59 | 16 53 | 17 28 | 17 47 | 17 37 | 11 39 | 0 37 |
| T 19 | 9 4 | 9 46 | 2 30 | 18 39 | 1 36 | 1 8 | 8 40 | 4 27 | 0 11 | 23 41 | 0 27 | 13 15 | 2 28 | 15 19 | 0 19 | 18 28 | 0 15 | 10 58 | 16 52 | 17 27 | 17 46 | 17 38 | 11 40 | 0 37 |
| W20 | 8 42 | 13 55 | 1 20 | 18 20 | 1 41 | 0 57 | 8 42 | 4 45 | 0 10 | 23 41 | 0 27 | 13 14 | 2 28 | 15 20 | 0 19 | 18 29 | 0 15 | 10 57 | 16 52 | 17 26 | 17 45 | 17 39 | 11 40 | 0 38 |
| T 21 | 8 20 | 17 14 | 0 5 | 18 0 | 1 46 | 0 44 | 8 44 | 5 3 | 0 9 | 23 41 | 0 27 | 13 14 | 2 28 | 15 20 | 0 19 | 18 29 | 0 15 | 10 57 | 16 52 | 17 26 | 17 45 | 17 40 | 11 41 | 0 38 |
| F 22 | 7 57 | 19 28 | 1n10 | 17 38 | 1 51 | 0 30 | 8 44 | 5 20 | 0 9 | 23 41 | 0 27 | 13 14 | 2 28 | 15 21 | 0 19 | 18 30 | 0 15 | 10 56 | 16 52 | 17 26 | 17 44 | 17 41 | 11 42 | 0 38 |
| S 23 | 7 34 | 20 29 | 2 20 | 17 15 | 1 55 | 0 15 | 8 43 | 5 38 | 0 8 | 23 41 | 0 27 | 13 13 | 2 28 | 15 22 | 0 19 | 18 30 | 0 15 | 10 56 | 16 52 | 17 26 | 17 43 | 17 42 | 11 43 | 0 38 |
| S 24 | 7 12 | 20 13 | 3 21 | 16 50 | 1 59 | 0 0 | 8 42 | 5 56 | 0 7 | 23 41 | 0 27 | 13 13 | 2 29 | 15 22 | 0 19 | 18 30 | 0 15 | 10 55 | 16 51 | 17 25 | 17 42 | 17 43 | 11 44 | 0 38 |
| M25 | 6 49 | 18 44 | 4 9 | 16 24 | 2 3 | 0s16 | 8 39 | 6 13 | 0 7 | 23 41 | 0 27 | 13 12 | 2 29 | 15 23 | 0 19 | 18 31 | 0 15 | 10 54 | 16 51 | 17 24 | 17 41 | 17 44 | 11 45 | 0 38 |
| T 26 | 6 26 | 16 13 | 4 43 | 15 57 | 2 6 | 0 33 | 8 36 | 6 31 | 0 6 | 23 42 | 0 27 | 13 11 | 2 29 | 15 24 | 0 19 | 18 31 | 0 15 | 10 54 | 16 51 | 17 23 | 17 40 | 17 45 | 11 46 | 0 38 |
| W27 | 6 3 | 12 51 | 5 1 | 15 28 | 2 9 | 0 50 | 8 31 | 6 48 | 0 5 | 23 42 | 0 27 | 13 11 | 2 29 | 15 24 | 0 19 | 18 31 | 0 15 | 10 53 | 16 51 | 17 20 | 17 39 | 17 46 | 11 47 | 0 38 |
| T 28 | 5s39 | 8s54 | 5n 2 | 14s58 | 2s11 | 1s 7 | 8n26 | 7n 5 | 0s 4 | 23n42 | 0n27 | 13s10 | 2n29 | 15n25 | 0s18 | 18n32 | 0n15 | 10s52 | 16s51 | 17s17 | 17s39 | 17n46 | 11n48 | 0s38 |

Julian Day Number = 2123229.5, Delta T = 17m39s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'31, Lahiri = 11°19'32 Julian Calendar 1 Feb. 1101 == Greg. Calendar 8 Feb. 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## MARCH 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 59 10 | 16♓42'35 | 6♓51 | 27♒36 | 6°R30 | 18♈53 | 9♋ 6 | 12°R 5 | 12♉41 | 8°R14 | 11♈38 | 17°R51 | 19♏16 | 20♉ 9 | 2♉32 | F 1 |
| S 2 | 11 3 7 | 17°42'07 | 19°40 | 29°13 | 5♓59 | 19°37 | 9° 6 | 12♏ 3 | 12°44 | 8♎13 | 11°40 | 17♏40 | 19°13 | 20°15 | 2°35 | S 2 |
| S 3 | 11 7 3 | 18°41'38 | 2♈14 | 0♓52 | 5°29 | 20°20 | 9° 7 | 12° 1 | 12°46 | 8°12 | 11°41 | 17°31 | 19°10 | 20°22 | 2°38 | S 3 |
| M 4 | 11 11 0 | 19°41'06 | 14°34 | 2°32 | 5° 1 | 21° 3 | 9° 8 | 12° 0 | 12°48 | 8°10 | 11°42 | 17°24 | 19° 7 | 20°29 | 2°41 | M 4 |
| T 5 | 11 14 57 | 20°40'32 | 26°41 | 4°14 | 4°35 | 21°46 | 9° 9 | 11°58 | 12°51 | 8° 9 | 11°43 | 17°19 | 19° 4 | 20°35 | 2°45 | T 5 |
| W 6 | 11 18 53 | 21°39'56 | 8♉37 | 5°56 | 4°11 | 22°30 | 9°10 | 11°56 | 12°53 | 8° 8 | 11°45 | 17°17 | 19° 0 | 20°42 | 2°48 | W 6 |
| T 7 | 11 22 50 | 22°39'18 | 20°27 | 7°41 | 3°49 | 23°13 | 9°11 | 11°54 | 12°56 | 8° 7 | 11°46 | 17°D16 | 18°57 | 20°49 | 2°51 | T 7 |
| F 8 | 11 26 46 | 23°38'38 | 2♊14 | 9°26 | 3°29 | 23°56 | 9°13 | 11°51 | 12°58 | 8° 6 | 11°47 | 17°17 | 18°54 | 20°55 | 2°55 | F 8 |
| S 9 | 11 30 43 | 24°37'55 | 14° 3 | 11°13 | 3°12 | 24°39 | 9°15 | 11°49 | 13° 1 | 8° 5 | 11°49 | 17°18 | 18°51 | 21° 2 | 2°58 | S 9 |
| S 10 | 11 34 39 | 25°37'10 | 26° 0 | 13° 1 | 2°58 | 25°22 | 9°17 | 11°47 | 13° 3 | 8° 4 | 11°50 | 17°R19 | 18°48 | 21° 9 | 3° 1 | S 10 |
| M11 | 11 38 36 | 26°36'22 | 8♋10 | 14°50 | 2°45 | 26° 5 | 9°19 | 11°44 | 13° 6 | 8° 3 | 11°52 | 17°18 | 18°45 | 21°15 | 3° 5 | M11 |
| T 12 | 11 42 32 | 27°35'32 | 20°38 | 16°41 | 2°36 | 26°48 | 9°21 | 11°42 | 13° 9 | 8° 2 | 11°53 | 17°15 | 18°41 | 21°22 | 3° 8 | T 12 |
| W13 | 11 46 29 | 28°34'40 | 3♌27 | 18°33 | 2°28 | 27°31 | 9°24 | 11°39 | 13°11 | 8° 1 | 11°54 | 17°10 | 18°38 | 21°29 | 3°12 | W13 |
| T 14 | 11 50 26 | 29°33'46 | 16°42 | 20°27 | 2°23 | 28°13 | 9°27 | 11°37 | 13°14 | 8° 0 | 11°56 | 17° 4 | 18°35 | 21°35 | 3°15 | T 14 |
| F 15 | 11 54 22 | 0♈32'49 | 0♍22 | 22°22 | 2°21 | 28°56 | 9°30 | 11°34 | 13°17 | 7°59 | 11°57 | 16°57 | 18°32 | 21°42 | 3°19 | F 15 |
| S 16 | 11 58 19 | 1°31'49 | 14°27 | 24°18 | 2°D21 | 29°39 | 9°33 | 11°31 | 13°20 | 7°58 | 11°58 | 16°49 | 18°29 | 21°49 | 3°22 | S 16 |
| S 17 | 12 2 15 | 2°30'48 | 28°53 | 26°16 | 2°23 | 0♉22 | 9°36 | 11°28 | 13°22 | 7°57 | 12° 0 | 16°42 | 18°26 | 21°55 | 3°26 | S 17 |
| M18 | 12 6 12 | 3°29'45 | 13♎33 | 28°15 | 2°28 | 1° 4 | 9°39 | 11°25 | 13°25 | 7°57 | 12° 1 | 16°37 | 18°22 | 22° 2 | 3°30 | M18 |
| T 19 | 12 10 8 | 4°28'39 | 28°20 | 0♈15 | 2°35 | 1°47 | 9°43 | 11°22 | 13°28 | 7°56 | 12° 3 | 16°34 | 18°19 | 22° 8 | 3°33 | T 19 |
| W20 | 12 14 5 | 5°27'32 | 13♏ 6 | 2°17 | 2°44 | 2°29 | 9°47 | 11°19 | 13°31 | 7°55 | 12° 4 | 16°D33 | 18°16 | 22°15 | 3°37 | W20 |
| T 21 | 12 18 1 | 6°26'23 | 27°46 | 4°19 | 2°55 | 3°12 | 9°51 | 11°16 | 13°34 | 7°54 | 12° 5 | 16°33 | 18°13 | 22°22 | 3°41 | T 21 |
| F 22 | 12 21 58 | 7°25'12 | 12♐14 | 6°23 | 3° 9 | 3°54 | 9°55 | 11°12 | 13°37 | 7°54 | 12° 7 | 16°34 | 18°10 | 22°28 | 3°44 | F 22 |
| S 23 | 12 25 55 | 8°23'59 | 26°27 | 8°28 | 3°24 | 4°37 | 9°59 | 11° 9 | 13°40 | 7°53 | 12° 8 | 16°35 | 18° 6 | 22°35 | 3°48 | S 23 |
| S 24 | 12 29 51 | 9°22'45 | 10♑23 | 10°33 | 3°41 | 5°19 | 10° 4 | 11° 6 | 13°43 | 7°52 | 12°10 | 16°R36 | 18° 3 | 22°42 | 3°52 | S 24 |
| M25 | 12 33 48 | 10°21'29 | 24° 3 | 12°39 | 4° 1 | 6° 1 | 10° 8 | 11° 2 | 13°46 | 7°52 | 12°11 | 16°35 | 18° 0 | 22°48 | 3°56 | M25 |
| T 26 | 12 37 44 | 11°20'11 | 7♒27 | 14°46 | 4°22 | 6°44 | 10°13 | 10°59 | 13°49 | 7°51 | 12°12 | 16°33 | 17°57 | 22°55 | 3°59 | T 26 |
| W27 | 12 41 41 | 12°18'52 | 20°36 | 16°52 | 4°45 | 7°26 | 10°18 | 10°55 | 13°52 | 7°51 | 12°14 | 16°29 | 17°54 | 23° 2 | 4° 3 | W27 |
| T 28 | 12 45 37 | 13°17'31 | 3♓31 | 18°59 | 5°10 | 8° 8 | 10°23 | 10°51 | 13°55 | 7°50 | 12°15 | 16°24 | 17°51 | 23° 8 | 4° 7 | T 28 |
| F 29 | 12 49 34 | 14°16'07 | 16°12 | 21° 5 | 5°36 | 8°50 | 10°28 | 10°48 | 13°58 | 7°50 | 12°17 | 16°18 | 17°47 | 23°15 | 4°11 | F 29 |
| S 30 | 12 53 30 | 15°14'42 | 28°41 | 23°11 | 6° 4 | 9°32 | 10°34 | 10°44 | 14° 1 | 7°49 | 12°18 | 16°13 | 17°44 | 23°22 | 4°15 | S 30 |
| S 31 | 12 57 27 | 16♈13'15 | 10♈59 | 25♈16 | 6♓34 | 10♉14 | 10♋39 | 10♏40 | 14♉ 5 | 7♌49 | 12♈19 | 16♏ 8 | 17♏41 | 23♉28 | 4♉19 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s16 | 4s35 | 4n47 | 14s26 | 2s13 | 1s25 | 8n20 | 7n23 | 0s 4 | 23n42 | 0n27 | 13s10 | 2n30 | 15n26 | 0s18 | 18n32 | 0n15 | 10s52 | 16s51 | 17s14 | 17s38 | 17n47 | 11n49 | 0s38 |
| S 2 | 4 53 | 0 9 | 4 18 | 13 54 | 2 14 | 1 43 | 8 13 | 7 40 | 0 3 | 23 42 | 0 27 | 13 9 | 2 30 | 15 26 | 0 18 | 18 32 | 0 15 | 10 51 | 16 50 | 17 11 | 17 37 | 17 48 | 11 50 | 0 38 |
| S 3 | 4 30 | 4n12 | 3 37 | 13 19 | 2 15 | 2 1 | 8 5 | 7 57 | 0 2 | 23 42 | 0 27 | 13 8 | 2 30 | 15 27 | 0 18 | 18 33 | 0 15 | 10 50 | 16 50 | 17 8 | 17 36 | 17 49 | 11 51 | 0 38 |
| M 4 | 4 6 | 8 19 | 2 46 | 12 44 | 2 16 | 2 19 | 7 57 | 8 14 | 0 2 | 23 42 | 0 27 | 13 8 | 2 30 | 15 28 | 0 18 | 18 33 | 0 15 | 10 50 | 16 50 | 17 6 | 17 35 | 17 50 | 11 52 | 0 38 |
| T 5 | 3 43 | 12 1 | 1 48 | 12 7 | 2 16 | 2 37 | 7 48 | 8 31 | 0 1 | 23 42 | 0 27 | 13 7 | 2 30 | 15 29 | 0 18 | 18 33 | 0 15 | 10 49 | 16 50 | 17 5 | 17 34 | 17 51 | 11 53 | 0 38 |
| W 6 | 3 19 | 15 10 | 0 46 | 11 28 | 2 15 | 2 54 | 7 38 | 8 48 | 0 0 | 23 42 | 0 27 | 13 6 | 2 30 | 15 29 | 0 18 | 18 34 | 0 15 | 10 49 | 16 50 | 17 4 | 17 33 | 17 52 | 11 54 | 0 38 |
| T 7 | 2 56 | 17 40 | 0s17 | 10 48 | 2 14 | 3 11 | 7 28 | 9 4 | 0n 1 | 23 41 | 0 27 | 13 5 | 2 31 | 15 30 | 0 18 | 18 34 | 0 15 | 10 48 | 16 50 | 17 4 | 17 32 | 17 53 | 11 55 | 0 38 |
| F 8 | 2 32 | 19 24 | 1 20 | 10 7 | 2 13 | 3 28 | 7 18 | 9 21 | 0 1 | 23 41 | 0 27 | 13 4 | 2 31 | 15 31 | 0 18 | 18 34 | 0 15 | 10 47 | 16 50 | 17 4 | 17 32 | 17 54 | 11 56 | 0 38 |
| S 9 | 2 9 | 20 17 | 2 19 | 9 25 | 2 11 | 3 44 | 7 7 | 9 37 | 0 2 | 23 41 | 0 28 | 13 4 | 2 31 | 15 32 | 0 18 | 18 34 | 0 15 | 10 47 | 16 49 | 17 5 | 17 31 | 17 55 | 11 57 | 0 38 |
| S 10 | 1 45 | 20 16 | 3 13 | 8 41 | 2 9 | 4 0 | 6 56 | 9 54 | 0 3 | 23 41 | 0 28 | 13 3 | 2 31 | 15 33 | 0 18 | 18 35 | 0 15 | 10 46 | 16 49 | 17 5 | 17 30 | 17 56 | 11 59 | 0 38 |
| M11 | 1 21 | 19 19 | 4 0 | 7 56 | 2 6 | 4 15 | 6 44 | 10 10 | 0 3 | 23 41 | 0 28 | 13 2 | 2 31 | 15 33 | 0 18 | 18 35 | 0 15 | 10 45 | 16 49 | 17 5 | 17 29 | 17 57 | 12 0 | 0 39 |
| T 12 | 0 58 | 17 25 | 4 36 | 7 9 | 2 2 | 4 30 | 6 32 | 10 26 | 0 4 | 23 41 | 0 28 | 13 1 | 2 31 | 15 34 | 0 18 | 18 35 | 0 15 | 10 45 | 16 49 | 17 4 | 17 28 | 17 57 | 12 1 | 0 39 |
| W13 | 0 34 | 14 37 | 5 0 | 6 22 | 1 58 | 4 43 | 6 20 | 10 43 | 0 5 | 23 41 | 0 28 | 13 0 | 2 32 | 15 35 | 0 18 | 18 36 | 0 15 | 10 44 | 16 49 | 17 3 | 17 27 | 17 58 | 12 2 | 0 39 |
| T 14 | 0 10 | 11 0 | 5 8 | 5 33 | 1 54 | 4 57 | 6 8 | 10 59 | 0 5 | 23 41 | 0 28 | 12 59 | 2 32 | 15 36 | 0 18 | 18 36 | 0 15 | 10 44 | 16 49 | 17 1 | 17 26 | 17 59 | 12 3 | 0 39 |
| F 15 | 0n13 | 6 43 | 5 0 | 4 43 | 1 49 | 5 9 | 5 56 | 11 15 | 0 6 | 23 40 | 0 28 | 12 58 | 2 32 | 15 37 | 0 18 | 18 36 | 0 15 | 10 43 | 16 49 | 16 59 | 17 25 | 18 0 | 12 4 | 0 39 |
| S 16 | 0 37 | 1 56 | 4 34 | 3 51 | 1 43 | 5 21 | 5 44 | 11 30 | 0 7 | 23 40 | 0 28 | 12 57 | 2 32 | 15 38 | 0 18 | 18 36 | 0 15 | 10 42 | 16 49 | 16 57 | 17 25 | 18 1 | 12 5 | 0 39 |
| S 17 | 1 0 | 3s 3 | 3 49 | 2 59 | 1 37 | 5 31 | 5 31 | 11 46 | 0 7 | 23 40 | 0 28 | 12 56 | 2 32 | 15 38 | 0 18 | 18 36 | 0 15 | 10 42 | 16 49 | 16 55 | 17 24 | 18 2 | 12 7 | 0 39 |
| M18 | 1 24 | 7 58 | 2 49 | 2 5 | 1 31 | 5 41 | 5 19 | 12 2 | 0 8 | 23 40 | 0 28 | 12 55 | 2 32 | 15 39 | 0 18 | 18 37 | 0 15 | 10 41 | 16 49 | 16 53 | 17 23 | 18 3 | 12 8 | 0 39 |
| T 19 | 1 47 | 12 27 | 1 37 | 1 11 | 1 24 | 5 50 | 5 6 | 12 17 | 0 9 | 23 40 | 0 28 | 12 54 | 2 33 | 15 40 | 0 18 | 18 37 | 0 15 | 10 41 | 16 49 | 16 52 | 17 22 | 18 4 | 12 9 | 0 39 |
| W20 | 2 11 | 16 9 | 0 19 | 0 15 | 1 16 | 5 59 | 4 54 | 12 32 | 0 9 | 23 39 | 0 28 | 12 53 | 2 33 | 15 41 | 0 18 | 18 37 | 0 15 | 10 40 | 16 49 | 16 52 | 17 21 | 18 4 | 12 10 | 0 39 |
| T 21 | 2 34 | 18 46 | 1n 1 | 0n41 | 1 8 | 6 6 | 4 42 | 12 48 | 0 10 | 23 39 | 0 28 | 12 52 | 2 33 | 15 42 | 0 18 | 18 37 | 0 15 | 10 40 | 16 48 | 16 52 | 17 20 | 18 5 | 12 11 | 0 39 |
| F 22 | 2 57 | 20 8 | 2 15 | 1 38 | 1 0 | 6 13 | 4 29 | 13 3 | 0 11 | 23 39 | 0 28 | 12 50 | 2 33 | 15 43 | 0 18 | 18 37 | 0 15 | 10 39 | 16 48 | 16 52 | 17 19 | 18 6 | 12 13 | 0 39 |
| S 23 | 3 21 | 20 10 | 3 20 | 2 36 | 0 51 | 6 18 | 4 17 | 13 18 | 0 11 | 23 38 | 0 28 | 12 49 | 2 33 | 15 44 | 0 18 | 18 38 | 0 15 | 10 38 | 16 48 | 16 53 | 17 18 | 18 7 | 12 14 | 0 39 |
| S 24 | 3 44 | 18 58 | 4 12 | 3 34 | 0 41 | 6 23 | 4 5 | 13 33 | 0 12 | 23 38 | 0 28 | 12 48 | 2 33 | 15 45 | 0 18 | 18 38 | 0 15 | 10 38 | 16 48 | 16 53 | 17 17 | 18 8 | 12 15 | 0 39 |
| M25 | 4 7 | 16 40 | 4 48 | 4 32 | 0 32 | 6 27 | 3 54 | 13 47 | 0 12 | 23 38 | 0 28 | 12 47 | 2 33 | 15 46 | 0 18 | 18 38 | 0 15 | 10 37 | 16 48 | 16 52 | 17 17 | 18 9 | 12 16 | 0 39 |
| T 26 | 4 30 | 13 32 | 5 8 | 5 31 | 0 21 | 6 31 | 3 42 | 14 2 | 0 13 | 23 37 | 0 28 | 12 46 | 2 33 | 15 47 | 0 18 | 18 38 | 0 15 | 10 37 | 16 48 | 16 52 | 17 16 | 18 9 | 12 17 | 0 39 |
| W27 | 4 53 | 9 47 | 5 11 | 6 29 | 0 11 | 6 33 | 3 30 | 14 16 | 0 14 | 23 37 | 0 28 | 12 45 | 2 34 | 15 47 | 0 18 | 18 38 | 0 15 | 10 36 | 16 48 | 16 51 | 17 15 | 18 10 | 12 19 | 0 40 |
| T 28 | 5 16 | 5 38 | 4 58 | 7 28 | 0 0 | 6 35 | 3 19 | 14 31 | 0 14 | 23 37 | 0 28 | 12 43 | 2 34 | 15 48 | 0 18 | 18 38 | 0 15 | 10 36 | 16 48 | 16 49 | 17 14 | 18 11 | 12 20 | 0 40 |
| F 29 | 5 39 | 1 19 | 4 31 | 8 26 | 0n11 | 6 35 | 3 8 | 14 45 | 0 15 | 23 36 | 0 28 | 12 42 | 2 34 | 15 49 | 0 18 | 18 39 | 0 15 | 10 35 | 16 48 | 16 48 | 17 13 | 18 12 | 12 21 | 0 40 |
| S 30 | 6 2 | 3n 0 | 3 51 | 9 23 | 0 22 | 6 35 | 2 57 | 14 59 | 0 16 | 23 36 | 0 28 | 12 41 | 2 34 | 15 50 | 0 18 | 18 39 | 0 15 | 10 35 | 16 48 | 16 46 | 17 12 | 18 13 | 12 22 | 0 40 |
| S 31 | 6n25 | 7n 8 | 3n 1 | 10n20 | 0n33 | 6s35 | 2n46 | 15n13 | 0n16 | 23n35 | 0n28 | 12s39 | 2n34 | 15n51 | 0s18 | 18n39 | 0n15 | 10s34 | 16s48 | 16s45 | 17s11 | 18n14 | 12n24 | 0s40 |

Julian Day Number = 2123257.5, Delta T = 17m39s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'35, Lahiri = 11°19'36 Julian Calendar 1 March 1101 == Greg. Calendar 8 March 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## APRIL 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 1 23 | 17♈11'47 | 23♈ 6 | 27♈19 | 7♓ 5 | 10♉56 | 10♋45 | 10°R36 | 14♉ 8 | 7°R48 | 12♈21 | 16°R 5 | 17♏38 | 23♉35 | 4♉23 | M 1 |
| T 2 | 13 5 20 | 18°10'16 | 5♉ 4 | 29°21 | 7°37 | 11°38 | 10°51 | 10♏32 | 14°11 | 7♎48 | 12°22 | 16♏ 3 | 17°35 | 23°41 | 4°27 | T 2 |
| W 3 | 13 9 17 | 19° 8'43 | 16°56 | 1♉21 | 8°11 | 12°20 | 10°57 | 10°28 | 14°14 | 7°48 | 12°24 | 16°D 2 | 17°32 | 23°48 | 4°31 | W 3 |
| T 4 | 13 13 13 | 20° 7'09 | 28°44 | 3°19 | 8°46 | 13° 2 | 11° 3 | 10°24 | 14°18 | 7°47 | 12°25 | 16° 3 | 17°28 | 23°55 | 4°35 | T 4 |
| F 5 | 13 17 10 | 21° 5'32 | 10♊31 | 5°14 | 9°22 | 13°44 | 11°10 | 10°20 | 14°21 | 7°47 | 12°26 | 16° 4 | 17°25 | 24° 1 | 4°39 | F 5 |
| S 6 | 13 21 6 | 22° 3'53 | 22°20 | 7° 7 | 10° 0 | 14°26 | 11°16 | 10°16 | 14°24 | 7°47 | 12°28 | 16° 6 | 17°22 | 24° 8 | 4°43 | S 6 |
| S 7 | 13 25 3 | 23° 2'12 | 4♋18 | 8°56 | 10°38 | 15° 7 | 11°23 | 10°12 | 14°27 | 7°47 | 12°29 | 16° 7 | 17°19 | 24°15 | 4°47 | S 7 |
| M 8 | 13 28 59 | 24° 0'30 | 16°26 | 10°42 | 11°18 | 15°49 | 11°30 | 10° 8 | 14°31 | 7°47 | 12°31 | 16° 8 | 17°16 | 24°21 | 4°51 | M 8 |
| T 9 | 13 32 56 | 24°58'45 | 28°52 | 12°25 | 11°59 | 16°31 | 11°37 | 10° 3 | 14°34 | 7°46 | 12°32 | 16°R 9 | 17°12 | 24°28 | 4°55 | T 9 |
| W10 | 13 36 52 | 25°56'57 | 11♌38 | 14° 4 | 12°41 | 17°12 | 11°44 | 9°59 | 14°37 | 7°46 | 12°33 | 16° 8 | 17° 9 | 24°35 | 4°59 | W10 |
| T 11 | 13 40 49 | 26°55'08 | 24°49 | 15°39 | 13°23 | 17°54 | 11°51 | 9°55 | 14°41 | 7°46 | 12°35 | 16° 6 | 17° 6 | 24°41 | 5° 3 | T 11 |
| F 12 | 13 44 46 | 27°53'17 | 8♍27 | 17°11 | 14° 7 | 18°35 | 11°58 | 9°51 | 14°44 | 7°D46 | 12°36 | 16° 4 | 17° 3 | 24°48 | 5° 7 | F 12 |
| S 13 | 13 48 42 | 28°51'24 | 22°32 | 18°38 | 14°52 | 19°17 | 12° 6 | 9°46 | 14°48 | 7°46 | 12°37 | 16° 2 | 17° 0 | 24°55 | 5°11 | S 13 |
| S 14 | 13 52 39 | 29°49'28 | 7♎ 2 | 20° 2 | 15°37 | 19°58 | 12°13 | 9°42 | 14°51 | 7°46 | 12°39 | 16° 0 | 16°57 | 25° 1 | 5°15 | S 14 |
| M15 | 13 56 35 | 0♉47'31 | 21°52 | 21°21 | 16°24 | 20°40 | 12°21 | 9°37 | 14°54 | 7°46 | 12°40 | 15°58 | 16°53 | 25° 8 | 5°19 | M15 |
| T 16 | 14 0 32 | 1°45'33 | 6♏54 | 22°35 | 17°11 | 21°21 | 12°29 | 9°33 | 14°58 | 7°47 | 12°41 | 15°57 | 16°50 | 25°14 | 5°23 | T 16 |
| W17 | 14 4 28 | 2°43'32 | 22° 0 | 23°46 | 17°59 | 22° 2 | 12°37 | 9°29 | 15° 1 | 7°47 | 12°43 | 15°D57 | 16°47 | 25°21 | 5°27 | W17 |
| T 18 | 14 8 25 | 3°41'31 | 7♐ 1 | 24°52 | 18°48 | 22°44 | 12°45 | 9°24 | 15° 5 | 7°47 | 12°44 | 15°58 | 16°44 | 25°28 | 5°31 | T 18 |
| F 19 | 14 12 21 | 4°39'27 | 21°50 | 25°53 | 19°38 | 23°25 | 12°53 | 9°20 | 15° 8 | 7°47 | 12°45 | 15°59 | 16°41 | 25°34 | 5°35 | F 19 |
| S 20 | 14 16 18 | 5°37'23 | 6♑20 | 26°50 | 20°28 | 24° 6 | 13° 1 | 9°15 | 15°12 | 7°47 | 12°47 | 15°59 | 16°37 | 25°41 | 5°39 | S 20 |
| S 21 | 14 20 15 | 6°35'17 | 20°27 | 27°43 | 21°19 | 24°47 | 13°10 | 9°11 | 15°15 | 7°48 | 12°48 | 16° 0 | 16°34 | 25°48 | 5°43 | S 21 |
| M22 | 14 24 11 | 7°33'10 | 4♒12 | 28°31 | 22°10 | 25°28 | 13°19 | 9° 6 | 15°18 | 7°48 | 12°49 | 16°R 0 | 16°31 | 25°54 | 5°47 | M22 |
| T 23 | 14 28 8 | 8°31'01 | 17°34 | 29°14 | 23° 2 | 26° 9 | 13°27 | 9° 2 | 15°22 | 7°48 | 12°51 | 16° 0 | 16°28 | 26° 1 | 5°51 | T 23 |
| W24 | 14 32 4 | 9°28'51 | 0♓34 | 29°52 | 23°55 | 26°50 | 13°36 | 8°57 | 15°25 | 7°49 | 12°52 | 16° 0 | 16°25 | 26° 8 | 5°56 | W24 |
| T 25 | 14 36 1 | 10°26'40 | 13°17 | 0♊25 | 24°49 | 27°31 | 13°45 | 8°53 | 15°29 | 7°49 | 12°53 | 15°59 | 16°22 | 26°14 | 6° 0 | T 25 |
| F 26 | 14 39 57 | 11°24'28 | 25°44 | 0°54 | 25°43 | 28°12 | 13°54 | 8°48 | 15°32 | 7°49 | 12°55 | 15°59 | 16°18 | 26°21 | 6° 4 | F 26 |
| S 27 | 14 43 54 | 12°22'15 | 7♈58 | 1°17 | 26°37 | 28°53 | 14° 3 | 8°44 | 15°36 | 7°50 | 12°56 | 15°58 | 16°15 | 26°28 | 6° 8 | S 27 |
| S 28 | 14 47 50 | 13°20'00 | 20° 2 | 1°36 | 27°32 | 29°34 | 14°12 | 8°39 | 15°39 | 7°50 | 12°57 | 15°58 | 16°12 | 26°34 | 6°12 | S 28 |
| M29 | 14 51 47 | 14°17'44 | 1♉58 | 1°50 | 28°27 | 0♊15 | 14°22 | 8°35 | 15°43 | 7°51 | 12°58 | 15°58 | 16° 9 | 26°41 | 6°16 | M29 |
| T 30 | 14 55 44 | 15♉15'26 | 13♉49 | 1♊59 | 29♓23 | 0♊56 | 14♋31 | 8♏31 | 15♉46 | 7♎51 | 13♈ 0 | 15°D58 | 16♏ 6 | 26♉48 | 6♉20 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n47 | 10n55 | 2n 3 | 11n15 | 0n44 | 6s33 | 2n35 | 15n27 | 0n17 | 23n35 | 0n28 | 12s38 | 2n34 | 15n52 | 0s18 | 18n39 | 0n15 | 10s33 | 16s48 | 16s44 | 17s10 | 18n14 | 12n25 | 0s40 |
| T 2 | 7 10 | 14 13 | 1 0 | 12 9 | 0 55 | 6 31 | 2 25 | 15 40 | 0 17 | 23 35 | 0 28 | 12 37 | 2 34 | 15 53 | 0 18 | 18 39 | 0 15 | 10 33 | 16 48 | 16 43 | 17 9 | 18 15 | 12 26 | 0 40 |
| W 3 | 7 32 | 16 54 | 0s 5 | 13 1 | 1 5 | 6 28 | 2 14 | 15 54 | 0 18 | 23 34 | 0 28 | 12 36 | 2 34 | 15 54 | 0 18 | 18 39 | 0 15 | 10 32 | 16 48 | 16 43 | 17 9 | 18 16 | 12 27 | 0 40 |
| T 4 | 7 54 | 18 51 | 1 9 | 13 52 | 1 16 | 6 24 | 2 4 | 16 7 | 0 19 | 23 34 | 0 28 | 12 34 | 2 34 | 15 55 | 0 18 | 18 39 | 0 15 | 10 32 | 16 48 | 16 43 | 17 8 | 18 17 | 12 29 | 0 40 |
| F 5 | 8 16 | 19 58 | 2 11 | 14 41 | 1 26 | 6 20 | 1 55 | 16 21 | 0 19 | 23 33 | 0 28 | 12 33 | 2 34 | 15 56 | 0 18 | 18 39 | 0 15 | 10 31 | 16 48 | 16 44 | 17 7 | 18 18 | 12 30 | 0 40 |
| S 6 | 8 38 | 20 13 | 3 7 | 15 27 | 1 35 | 6 14 | 1 45 | 16 34 | 0 20 | 23 33 | 0 28 | 12 32 | 2 34 | 15 57 | 0 18 | 18 39 | 0 15 | 10 31 | 16 49 | 16 44 | 17 6 | 18 18 | 12 31 | 0 40 |
| S 7 | 9 0 | 19 33 | 3 56 | 16 12 | 1 45 | 6 9 | 1 35 | 16 47 | 0 20 | 23 32 | 0 28 | 12 30 | 2 34 | 15 58 | 0 18 | 18 39 | 0 15 | 10 31 | 16 49 | 16 45 | 17 5 | 18 19 | 12 33 | 0 40 |
| M 8 | 9 21 | 18 0 | 4 35 | 16 54 | 1 53 | 6 2 | 1 26 | 16 59 | 0 21 | 23 31 | 0 28 | 12 29 | 2 34 | 15 59 | 0 18 | 18 39 | 0 15 | 10 30 | 16 49 | 16 45 | 17 4 | 18 20 | 12 34 | 0 40 |
| T 9 | 9 43 | 15 34 | 5 2 | 17 34 | 2 1 | 5 55 | 1 17 | 17 12 | 0 22 | 23 31 | 0 28 | 12 28 | 2 34 | 16 0 | 0 18 | 18 39 | 0 15 | 10 30 | 16 49 | 16 45 | 17 3 | 18 21 | 12 35 | 0 40 |
| W10 | 10 4 | 12 20 | 5 15 | 18 11 | 2 9 | 5 47 | 1 8 | 17 24 | 0 22 | 23 30 | 0 28 | 12 26 | 2 35 | 16 1 | 0 18 | 18 39 | 0 15 | 10 29 | 16 49 | 16 45 | 17 2 | 18 22 | 12 36 | 0 40 |
| T 11 | 10 25 | 8 24 | 5 12 | 18 46 | 2 15 | 5 39 | 1 0 | 17 37 | 0 23 | 23 30 | 0 28 | 12 25 | 2 35 | 16 2 | 0 18 | 18 39 | 0 15 | 10 29 | 16 49 | 16 44 | 17 1 | 18 22 | 12 38 | 0 41 |
| F 12 | 10 46 | 3 55 | 4 52 | 19 18 | 2 21 | 5 30 | 0 51 | 17 49 | 0 23 | 23 29 | 0 28 | 12 23 | 2 35 | 16 3 | 0 18 | 18 39 | 0 15 | 10 28 | 16 49 | 16 44 | 17 0 | 18 23 | 12 39 | 0 41 |
| S 13 | 11 7 | 0s55 | 4 14 | 19 48 | 2 26 | 5 20 | 0 43 | 18 1 | 0 24 | 23 28 | 0 28 | 12 22 | 2 35 | 16 4 | 0 18 | 18 39 | 0 15 | 10 28 | 16 49 | 16 43 | 17 0 | 18 24 | 12 40 | 0 41 |
| S 14 | 11 28 | 5 51 | 3 19 | 20 15 | 2 30 | 5 10 | 0 35 | 18 13 | 0 24 | 23 28 | 0 28 | 12 21 | 2 35 | 16 5 | 0 18 | 18 39 | 0 15 | 10 27 | 16 49 | 16 42 | 16 59 | 18 25 | 12 42 | 0 41 |
| M15 | 11 48 | 10 34 | 2 10 | 20 39 | 2 34 | 4 59 | 0 27 | 18 24 | 0 25 | 23 27 | 0 28 | 12 19 | 2 35 | 16 6 | 0 18 | 18 39 | 0 15 | 10 27 | 16 49 | 16 42 | 16 58 | 18 25 | 12 43 | 0 41 |
| T 16 | 12 9 | 14 40 | 0 50 | 21 1 | 2 36 | 4 47 | 0 19 | 18 36 | 0 26 | 23 26 | 0 28 | 12 18 | 2 35 | 16 7 | 0 18 | 18 39 | 0 15 | 10 26 | 16 49 | 16 42 | 16 57 | 18 26 | 12 44 | 0 41 |
| W17 | 12 29 | 17 49 | 0n34 | 21 21 | 2 38 | 4 35 | 0 12 | 18 47 | 0 26 | 23 26 | 0 29 | 12 16 | 2 35 | 16 8 | 0 18 | 18 39 | 0 15 | 10 26 | 16 49 | 16 42 | 16 56 | 18 27 | 12 45 | 0 41 |
| T 18 | 12 48 | 19 42 | 1 54 | 21 38 | 2 38 | 4 23 | 0 5 | 18 58 | 0 27 | 23 25 | 0 29 | 12 15 | 2 35 | 16 9 | 0 18 | 18 39 | 0 15 | 10 26 | 16 49 | 16 42 | 16 55 | 18 28 | 12 47 | 0 41 |
| F 19 | 13 8 | 20 12 | 3 6 | 21 53 | 2 38 | 4 10 | 0s 3 | 19 9 | 0 27 | 23 24 | 0 29 | 12 14 | 2 35 | 16 10 | 0 18 | 18 39 | 0 15 | 10 25 | 16 50 | 16 42 | 16 54 | 18 28 | 12 48 | 0 41 |
| S 20 | 13 28 | 19 20 | 4 5 | 22 5 | 2 37 | 3 56 | 0 9 | 19 20 | 0 28 | 23 23 | 0 29 | 12 12 | 2 35 | 16 11 | 0 18 | 18 39 | 0 15 | 10 25 | 16 50 | 16 42 | 16 53 | 18 29 | 12 49 | 0 41 |
| S 21 | 13 47 | 17 16 | 4 47 | 22 15 | 2 34 | 3 42 | 0 16 | 19 31 | 0 28 | 23 22 | 0 29 | 12 11 | 2 35 | 16 12 | 0 18 | 18 39 | 0 15 | 10 25 | 16 50 | 16 42 | 16 52 | 18 30 | 12 51 | 0 41 |
| M22 | 14 6 | 14 16 | 5 11 | 22 23 | 2 31 | 3 28 | 0 23 | 19 41 | 0 29 | 23 22 | 0 29 | 12 9 | 2 35 | 16 13 | 0 18 | 18 39 | 0 15 | 10 24 | 16 50 | 16 42 | 16 51 | 18 30 | 12 52 | 0 41 |
| T 23 | 14 25 | 10 36 | 5 17 | 22 28 | 2 27 | 3 13 | 0 29 | 19 52 | 0 29 | 23 21 | 0 29 | 12 8 | 2 35 | 16 14 | 0 18 | 18 39 | 0 15 | 10 24 | 16 50 | 16 42 | 16 50 | 18 31 | 12 53 | 0 41 |
| W24 | 14 43 | 6 32 | 5 7 | 22 31 | 2 21 | 2 58 | 0 35 | 20 2 | 0 30 | 23 20 | 0 29 | 12 7 | 2 35 | 16 15 | 0 18 | 18 39 | 0 15 | 10 23 | 16 50 | 16 42 | 16 50 | 18 32 | 12 54 | 0 42 |
| T 25 | 15 1 | 2 15 | 4 42 | 22 32 | 2 15 | 2 42 | 0 41 | 20 12 | 0 30 | 23 19 | 0 29 | 12 5 | 2 35 | 16 16 | 0 18 | 18 39 | 0 15 | 10 23 | 16 50 | 16 42 | 16 49 | 18 33 | 12 56 | 0 42 |
| F 26 | 15 20 | 2n 2 | 4 5 | 22 30 | 2 7 | 2 26 | 0 47 | 20 21 | 0 31 | 23 18 | 0 29 | 12 4 | 2 34 | 16 17 | 0 18 | 18 39 | 0 15 | 10 23 | 16 51 | 16 42 | 16 48 | 18 33 | 12 57 | 0 42 |
| S 27 | 15 37 | 6 10 | 3 16 | 22 27 | 1 58 | 2 9 | 0 52 | 20 31 | 0 31 | 23 17 | 0 29 | 12 2 | 2 34 | 16 19 | 0 18 | 18 39 | 0 15 | 10 22 | 16 51 | 16 42 | 16 47 | 18 34 | 12 58 | 0 42 |
| S 28 | 15 55 | 10 1 | 2 19 | 22 21 | 1 49 | 1 52 | 0 58 | 20 40 | 0 32 | 23 16 | 0 29 | 12 1 | 2 34 | 16 20 | 0 18 | 18 38 | 0 15 | 10 22 | 16 51 | 16 42 | 16 46 | 18 35 | 13 0 | 0 42 |
| M29 | 16 12 | 13 25 | 1 17 | 22 14 | 1 38 | 1 35 | 1 3 | 20 50 | 0 32 | 23 15 | 0 29 | 12 0 | 2 34 | 16 21 | 0 18 | 18 38 | 0 15 | 10 22 | 16 51 | 16 42 | 16 45 | 18 35 | 13 1 | 0 42 |
| T 30 | 16n29 | 16n15 | 0n12 | 22n 4 | 1n26 | 1s17 | 1s 8 | 20n59 | 0n33 | 23n14 | 0n29 | 11s58 | 2n34 | 16n22 | 0s18 | 18n38 | 0n15 | 10s21 | 16s51 | 16s42 | 16s44 | 18n36 | 13n 2 | 0s42 |

Julian Day Number = 2123288.5, Delta T = 17m38s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'40, Lahiri = 11°19'40 Julian Calendar 1 Apr. 1101 == Greg. Calendar 8 Apr. 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## MAY 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 59 40 | 16♉13'08 | 25♉37 | 2°R 3 | 0♈20 | 1♊37 | 14♋41 | 8°R26 | 15♉50 | 7♎52 | 13♈ 1 | 15°R58 | 16♏ 3 | 26♉54 | 6♉24 | W 1 |
| T 2 | 15 3 37 | 17°10'48 | 7♊24 | 2♊ 2 | 1°17 | 2°17 | 14°50 | 8♏22 | 15°53 | 7°53 | 13° 2 | 15♏58 | 15°59 | 27° 1 | 6°28 | T 2 |
| F 3 | 15 7 33 | 18° 8'27 | 19°13 | 1°57 | 2°14 | 2°58 | 15° 0 | 8°17 | 15°57 | 7°53 | 13° 3 | 15°57 | 15°56 | 27° 7 | 6°32 | F 3 |
| S 4 | 15 11 30 | 19° 6'04 | 1♋ 6 | 1°48 | 3°11 | 3°39 | 15°10 | 8°13 | 16° 0 | 7°54 | 13° 4 | 15°57 | 15°53 | 27°14 | 6°36 | S 4 |
| S 5 | 15 15 26 | 20° 3'40 | 13° 7 | 1°34 | 4°10 | 4°19 | 15°20 | 8° 9 | 16° 4 | 7°55 | 13° 5 | 15°57 | 15°50 | 27°21 | 6°40 | S 5 |
| M 6 | 15 19 23 | 21° 1'14 | 25°18 | 1°16 | 5° 8 | 5° 0 | 15°30 | 8° 4 | 16° 7 | 7°56 | 13° 7 | 15°56 | 15°47 | 27°27 | 6°44 | M 6 |
| T 7 | 15 23 19 | 21°58'47 | 7♌44 | 0°55 | 6° 7 | 5°40 | 15°40 | 8° 0 | 16°11 | 7°56 | 13° 8 | 15°56 | 15°43 | 27°34 | 6°48 | T 7 |
| W 8 | 15 27 16 | 22°56'19 | 20°28 | 0°30 | 7° 6 | 6°21 | 15°50 | 7°56 | 16°14 | 7°57 | 13° 9 | 15°D56 | 15°40 | 27°41 | 6°52 | W 8 |
| T 9 | 15 31 13 | 23°53'49 | 3♍33 | 0° 2 | 8° 5 | 7° 1 | 16° 1 | 7°51 | 16°18 | 7°58 | 13°10 | 15°56 | 15°37 | 27°47 | 6°56 | T 9 |
| F 10 | 15 35 9 | 24°51'17 | 17° 4 | 29♉33 | 9° 5 | 7°42 | 16°11 | 7°47 | 16°21 | 7°59 | 13°11 | 15°56 | 15°34 | 27°54 | 7° 0 | F 10 |
| S 11 | 15 39 6 | 25°48'45 | 1♎ 0 | 29° 1 | 10° 5 | 8°22 | 16°22 | 7°43 | 16°25 | 8° 0 | 13°12 | 15°57 | 15°31 | 28° 1 | 7° 4 | S 11 |
| S 12 | 15 43 2 | 26°46'11 | 15°22 | 28°28 | 11° 6 | 9° 2 | 16°32 | 7°39 | 16°28 | 8° 1 | 13°13 | 15°58 | 15°28 | 28° 7 | 7° 8 | S 12 |
| M13 | 15 46 59 | 27°43'35 | 0♏ 7 | 27°55 | 12° 7 | 9°43 | 16°43 | 7°35 | 16°32 | 8° 2 | 13°14 | 15°58 | 15°24 | 28°14 | 7°12 | M13 |
| T 14 | 15 50 55 | 28°40'59 | 15° 9 | 27°21 | 13° 8 | 10°23 | 16°54 | 7°31 | 16°35 | 8° 3 | 13°15 | 15°R59 | 15°21 | 28°21 | 7°16 | T 14 |
| W15 | 15 54 52 | 29°38'22 | 0♐21 | 26°48 | 14° 9 | 11° 3 | 17° 4 | 7°27 | 16°39 | 8° 4 | 13°16 | 15°58 | 15°18 | 28°27 | 7°19 | W15 |
| T 16 | 15 58 48 | 0♊35'44 | 15°32 | 26°16 | 15°11 | 11°43 | 17°15 | 7°23 | 16°42 | 8° 5 | 13°17 | 15°57 | 15°15 | 28°34 | 7°23 | T 16 |
| F 17 | 16 2 45 | 1°33'05 | 0♋35 | 25°45 | 16°13 | 12°23 | 17°26 | 7°19 | 16°45 | 8° 6 | 13°18 | 15°56 | 15°12 | 28°41 | 7°27 | F 17 |
| S 18 | 16 6 42 | 2°30'25 | 15°20 | 25°17 | 17°15 | 13° 4 | 17°37 | 7°15 | 16°49 | 8° 7 | 13°19 | 15°54 | 15° 9 | 28°47 | 7°31 | S 18 |
| S 19 | 16 10 38 | 3°27'45 | 29°41 | 24°51 | 18°18 | 13°44 | 17°48 | 7°11 | 16°52 | 8° 8 | 13°20 | 15°52 | 15° 5 | 28°54 | 7°35 | S 19 |
| M20 | 16 14 35 | 4°25'04 | 13♒35 | 24°28 | 19°20 | 14°24 | 18° 0 | 7° 8 | 16°56 | 8° 9 | 13°21 | 15°50 | 15° 2 | 29° 1 | 7°38 | M20 |
| T 21 | 16 18 31 | 5°22'22 | 27° 1 | 24° 8 | 20°23 | 15° 4 | 18°11 | 7° 4 | 16°59 | 8°10 | 13°22 | 15°49 | 14°59 | 29° 7 | 7°42 | T 21 |
| W22 | 16 22 28 | 6°19'40 | 10♓ 2 | 23°53 | 21°27 | 15°44 | 18°22 | 7° 0 | 17° 2 | 8°12 | 13°23 | 15°D49 | 14°56 | 29°14 | 7°46 | W22 |
| T 23 | 16 26 24 | 7°16'58 | 22°41 | 23°41 | 22°30 | 16°24 | 18°34 | 6°57 | 17° 6 | 8°13 | 13°24 | 15°50 | 14°53 | 29°20 | 7°50 | T 23 |
| F 24 | 16 30 21 | 8°14'15 | 5♈ 1 | 23°33 | 23°34 | 17° 4 | 18°45 | 6°53 | 17° 9 | 8°14 | 13°25 | 15°51 | 14°49 | 29°27 | 7°53 | F 24 |
| S 25 | 16 34 17 | 9°11'32 | 17° 8 | 23°D30 | 24°38 | 17°44 | 18°57 | 6°50 | 17°12 | 8°16 | 13°26 | 15°53 | 14°46 | 29°34 | 7°57 | S 25 |
| S 26 | 16 38 14 | 10° 8'48 | 29° 4 | 23°31 | 25°42 | 18°23 | 19° 8 | 6°46 | 17°16 | 8°17 | 13°27 | 15°54 | 14°43 | 29°40 | 8° 1 | S 26 |
| M27 | 16 42 11 | 11° 6'04 | 10♉53 | 23°36 | 26°46 | 19° 3 | 19°20 | 6°43 | 17°19 | 8°18 | 13°28 | 15°R55 | 14°40 | 29°47 | 8° 4 | M27 |
| T 28 | 16 46 7 | 12° 3'20 | 22°40 | 23°47 | 27°50 | 19°43 | 19°32 | 6°40 | 17°22 | 8°20 | 13°29 | 15°55 | 14°37 | 29°54 | 8° 8 | T 28 |
| W29 | 16 50 4 | 13° 0'35 | 4♊27 | 24° 1 | 28°55 | 20°23 | 19°43 | 6°37 | 17°25 | 8°21 | 13°29 | 15°54 | 14°34 | 0♊ 0 | 8°11 | W29 |
| T 30 | 16 54 0 | 13°57'50 | 16°17 | 24°21 | 29°59 | 21° 3 | 19°55 | 6°34 | 17°29 | 8°22 | 13°30 | 15°51 | 14°30 | 0° 7 | 8°15 | T 30 |
| F 31 | 16 57 57 | 14♊55'04 | 28♊11 | 24♉45 | 1♉ 5 | 21♊42 | 20♋ 7 | 6♏31 | 17♉32 | 8♌24 | 13♈31 | 15♏47 | 14♏27 | 0♊14 | 8♉18 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n46 | 18n23 | 0s53 | 21n53 | 1n14 | 0s59 | 1s13 | 21n 8 | 0n33 | 23n13 | 0n29 | 11s57 | 2n34 | 16n23 | 0s18 | 18n38 | 0n15 | 10s21 | 16s51 | 16s42 | 16s43 | 18n37 | 13n 3 | 0s42 |
| T 2 | 17 3 | 19 44 | 1 56 | 21 39 | 1 0 | 0 41 | 1 18 | 21 16 | 0 34 | 23 12 | 0 29 | 11 56 | 2 34 | 16 24 | 0 18 | 18 38 | 0 15 | 10 21 | 16 52 | 16 42 | 16 42 | 18 37 | 13 5 | 0 42 |
| F 3 | 17 19 | 20 13 | 2 55 | 21 24 | 0 46 | 0 22 | 1 22 | 21 25 | 0 34 | 23 11 | 0 29 | 11 54 | 2 34 | 16 25 | 0 18 | 18 38 | 0 15 | 10 21 | 16 52 | 16 42 | 16 41 | 18 38 | 13 6 | 0 42 |
| S 4 | 17 35 | 19 47 | 3 46 | 21 7 | 0 31 | 0 3 | 1 27 | 21 33 | 0 35 | 23 10 | 0 29 | 11 53 | 2 34 | 16 26 | 0 18 | 18 37 | 0 15 | 10 20 | 16 52 | 16 42 | 16 40 | 18 39 | 13 7 | 0 42 |
| S 5 | 17 51 | 18 28 | 4 27 | 20 49 | 0 15 | 0n16 | 1 31 | 21 41 | 0 35 | 23 9 | 0 29 | 11 52 | 2 34 | 16 27 | 0 18 | 18 37 | 0 15 | 10 20 | 16 52 | 16 41 | 16 39 | 18 39 | 13 8 | 0 42 |
| M 6 | 18 6 | 16 18 | 4 57 | 20 29 | 0s 1 | 0 36 | 1 35 | 21 49 | 0 36 | 23 8 | 0 29 | 11 50 | 2 34 | 16 28 | 0 18 | 18 37 | 0 15 | 10 20 | 16 52 | 16 41 | 16 38 | 18 40 | 13 10 | 0 43 |
| T 7 | 18 21 | 13 21 | 5 14 | 20 8 | 0 18 | 0 55 | 1 39 | 21 57 | 0 36 | 23 7 | 0 29 | 11 49 | 2 34 | 16 29 | 0 18 | 18 37 | 0 15 | 10 20 | 16 53 | 16 41 | 16 38 | 18 41 | 13 11 | 0 43 |
| W 8 | 18 36 | 9 44 | 5 17 | 19 46 | 0 35 | 1 16 | 1 43 | 22 5 | 0 37 | 23 5 | 0 29 | 11 48 | 2 34 | 16 30 | 0 17 | 18 37 | 0 15 | 10 19 | 16 53 | 16 41 | 16 37 | 18 41 | 13 12 | 0 43 |
| T 9 | 18 50 | 5 33 | 5 3 | 19 24 | 0 53 | 1 36 | 1 46 | 22 12 | 0 37 | 23 4 | 0 29 | 11 47 | 2 33 | 16 31 | 0 17 | 18 36 | 0 15 | 10 19 | 16 53 | 16 41 | 16 36 | 18 42 | 13 13 | 0 43 |
| F 10 | 19 4 | 0 57 | 4 32 | 19 0 | 1 10 | 1 56 | 1 50 | 22 19 | 0 38 | 23 3 | 0 29 | 11 45 | 2 33 | 16 32 | 0 17 | 18 36 | 0 15 | 10 19 | 16 53 | 16 41 | 16 35 | 18 43 | 13 14 | 0 43 |
| S 11 | 19 18 | 3s50 | 3 45 | 18 37 | 1 28 | 2 17 | 1 53 | 22 26 | 0 38 | 23 2 | 0 29 | 11 44 | 2 33 | 16 33 | 0 17 | 18 36 | 0 15 | 10 19 | 16 53 | 16 41 | 16 34 | 18 43 | 13 16 | 0 43 |
| S 12 | 19 32 | 8 34 | 2 42 | 18 13 | 1 45 | 2 38 | 1 56 | 22 33 | 0 39 | 23 1 | 0 29 | 11 43 | 2 33 | 16 34 | 0 17 | 18 36 | 0 15 | 10 18 | 16 54 | 16 42 | 16 33 | 18 44 | 13 17 | 0 43 |
| M13 | 19 45 | 12 55 | 1 27 | 17 49 | 2 1 | 2 59 | 1 59 | 22 40 | 0 39 | 22 59 | 0 29 | 11 42 | 2 33 | 16 35 | 0 17 | 18 36 | 0 15 | 10 18 | 16 54 | 16 42 | 16 32 | 18 45 | 13 18 | 0 43 |
| T 14 | 19 58 | 16 32 | 0 5 | 17 26 | 2 17 | 3 20 | 2 2 | 22 46 | 0 40 | 22 58 | 0 29 | 11 41 | 2 33 | 16 36 | 0 17 | 18 35 | 0 15 | 10 18 | 16 54 | 16 42 | 16 31 | 18 45 | 13 19 | 0 43 |
| W15 | 20 10 | 19 2 | 1n19 | 17 4 | 2 32 | 3 42 | 2 5 | 22 52 | 0 40 | 22 57 | 0 29 | 11 39 | 2 33 | 16 37 | 0 17 | 18 35 | 0 15 | 10 18 | 16 54 | 16 42 | 16 30 | 18 46 | 13 20 | 0 43 |
| T 16 | 20 22 | 20 10 | 2 37 | 16 42 | 2 47 | 4 3 | 2 7 | 22 58 | 0 41 | 22 55 | 0 29 | 11 38 | 2 33 | 16 38 | 0 17 | 18 35 | 0 15 | 10 18 | 16 55 | 16 42 | 16 29 | 18 47 | 13 21 | 0 43 |
| F 17 | 20 34 | 19 50 | 3 43 | 16 22 | 3 0 | 4 25 | 2 10 | 23 4 | 0 41 | 22 54 | 0 29 | 11 37 | 2 32 | 16 39 | 0 17 | 18 34 | 0 15 | 10 18 | 16 55 | 16 41 | 16 28 | 18 47 | 13 23 | 0 44 |
| S 18 | 20 46 | 18 9 | 4 33 | 16 3 | 3 13 | 4 47 | 2 12 | 23 10 | 0 41 | 22 52 | 0 29 | 11 36 | 2 32 | 16 40 | 0 17 | 18 34 | 0 15 | 10 17 | 16 55 | 16 41 | 16 27 | 18 48 | 13 24 | 0 44 |
| S 19 | 20 57 | 15 22 | 5 4 | 15 46 | 3 24 | 5 9 | 2 14 | 23 15 | 0 42 | 22 51 | 0 29 | 11 35 | 2 32 | 16 41 | 0 17 | 18 34 | 0 15 | 10 17 | 16 55 | 16 40 | 16 26 | 18 48 | 13 25 | 0 44 |
| M20 | 21 8 | 11 47 | 5 16 | 15 31 | 3 34 | 5 31 | 2 16 | 23 20 | 0 42 | 22 50 | 0 30 | 11 34 | 2 32 | 16 42 | 0 17 | 18 34 | 0 15 | 10 17 | 16 56 | 16 39 | 16 25 | 18 49 | 13 26 | 0 44 |
| T 21 | 21 18 | 7 42 | 5 10 | 15 18 | 3 43 | 5 53 | 2 18 | 23 25 | 0 43 | 22 48 | 0 30 | 11 33 | 2 32 | 16 43 | 0 17 | 18 33 | 0 15 | 10 17 | 16 56 | 16 39 | 16 25 | 18 50 | 13 27 | 0 44 |
| W22 | 21 28 | 3 23 | 4 49 | 15 7 | 3 50 | 6 15 | 2 19 | 23 30 | 0 43 | 22 47 | 0 30 | 11 32 | 2 32 | 16 44 | 0 17 | 18 33 | 0 15 | 10 17 | 16 56 | 16 39 | 16 24 | 18 50 | 13 28 | 0 44 |
| T 23 | 21 38 | 0n58 | 4 13 | 14 58 | 3 57 | 6 37 | 2 21 | 23 35 | 0 44 | 22 45 | 0 30 | 11 31 | 2 31 | 16 45 | 0 17 | 18 33 | 0 15 | 10 17 | 16 56 | 16 39 | 16 23 | 18 51 | 13 29 | 0 44 |
| F 24 | 21 47 | 5 10 | 3 27 | 14 51 | 4 1 | 6 59 | 2 22 | 23 39 | 0 44 | 22 43 | 0 30 | 11 30 | 2 31 | 16 45 | 0 17 | 18 32 | 0 15 | 10 17 | 16 57 | 16 40 | 16 22 | 18 51 | 13 30 | 0 44 |
| S 25 | 21 56 | 9 6 | 2 32 | 14 47 | 4 5 | 7 22 | 2 24 | 23 43 | 0 45 | 22 42 | 0 30 | 11 29 | 2 31 | 16 46 | 0 17 | 18 32 | 0 15 | 10 17 | 16 57 | 16 40 | 16 21 | 18 52 | 13 32 | 0 44 |
| S 26 | 22 5 | 12 37 | 1 32 | 14 45 | 4 8 | 7 44 | 2 25 | 23 47 | 0 45 | 22 40 | 0 30 | 11 28 | 2 31 | 16 47 | 0 17 | 18 32 | 0 15 | 10 17 | 16 57 | 16 41 | 16 20 | 18 53 | 13 33 | 0 44 |
| M27 | 22 13 | 15 36 | 0 28 | 14 45 | 4 9 | 8 6 | 2 26 | 23 51 | 0 45 | 22 39 | 0 30 | 11 27 | 2 31 | 16 48 | 0 17 | 18 31 | 0 15 | 10 17 | 16 58 | 16 41 | 16 19 | 18 53 | 13 34 | 0 45 |
| T 28 | 22 21 | 17 56 | 0s37 | 14 47 | 4 9 | 8 28 | 2 27 | 23 55 | 0 46 | 22 37 | 0 30 | 11 26 | 2 31 | 16 49 | 0 17 | 18 31 | 0 15 | 10 17 | 16 58 | 16 41 | 16 18 | 18 54 | 13 35 | 0 45 |
| W29 | 22 28 | 19 29 | 1 40 | 14 52 | 4 8 | 8 51 | 2 27 | 23 58 | 0 46 | 22 35 | 0 30 | 11 25 | 2 30 | 16 50 | 0 17 | 18 31 | 0 15 | 10 17 | 16 58 | 16 40 | 16 17 | 18 54 | 13 36 | 0 45 |
| T 30 | 22 35 | 20 12 | 2 39 | 14 58 | 4 6 | 9 13 | 2 28 | 24 1 | 0 47 | 22 34 | 0 30 | 11 24 | 2 30 | 16 51 | 0 17 | 18 30 | 0 15 | 10 17 | 16 58 | 16 40 | 16 16 | 18 55 | 13 37 | 0 45 |
| F 31 | 22n42 | 20n 1 | 3s31 | 15n 7 | 4s 3 | 9n35 | 2s29 | 24n 4 | 0n47 | 22n32 | 0n30 | 11s24 | 2n30 | 16n52 | 0s17 | 18n30 | 0n15 | 10s17 | 16s59 | 16s39 | 16s15 | 18n55 | 13n38 | 0s45 |

Julian Day Number = 2123318.5, Delta T = 17m38s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'44, Lahiri = 11°19'44 Julian Calendar 1 May 1101 == Greg. Calendar 8 May 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## JUNE 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 1 53 | 15♊52'18 | 10♋12 | 25♉13 | 2♉10 | 22♊22 | 20♋19 | 6°R28 | 17♉35 | 8♘25 | 13♈32 | 15°R42 | 14♏24 | 0♊20 | 8♉22 | S 1 |
| S 2 | 17 5 50 | 16°49'31 | 22°21 | 25°47 | 3°16 | 23° 2 | 20°31 | 6♏25 | 17°38 | 8°27 | 13°32 | 15♏37 | 14°21 | 0°27 | 8°25 | S 2 |
| M 3 | 17 9 46 | 17°46'44 | 4♌40 | 26°24 | 4°21 | 23°41 | 20°43 | 6°22 | 17°41 | 8°28 | 13°33 | 15°32 | 14°18 | 0°34 | 8°29 | M 3 |
| T 4 | 17 13 43 | 18°43'56 | 17°13 | 27° 6 | 5°27 | 24°21 | 20°55 | 6°19 | 17°44 | 8°30 | 13°34 | 15°27 | 14°15 | 0°40 | 8°32 | T 4 |
| W 5 | 17 17 40 | 19°41'08 | 29°59 | 27°52 | 6°33 | 25° 0 | 21° 7 | 6°17 | 17°48 | 8°32 | 13°35 | 15°24 | 14°11 | 0°47 | 8°35 | W 5 |
| T 6 | 17 21 36 | 20°38'19 | 13♍ 4 | 28°42 | 7°39 | 25°40 | 21°20 | 6°14 | 17°51 | 8°33 | 13°35 | 15°23 | 14° 8 | 0°54 | 8°39 | T 6 |
| F 7 | 17 25 33 | 21°35'30 | 26°29 | 29°37 | 8°45 | 26°19 | 21°32 | 6°11 | 17°54 | 8°35 | 13°36 | 15°D23 | 14° 5 | 1° 0 | 8°42 | F 7 |
| S 8 | 17 29 29 | 22°32'40 | 10♎15 | 0♊36 | 9°51 | 26°59 | 21°44 | 6° 9 | 17°57 | 8°36 | 13°36 | 15°23 | 14° 2 | 1° 7 | 8°45 | S 8 |
| S 9 | 17 33 26 | 23°29'49 | 24°24 | 1°38 | 10°58 | 27°38 | 21°57 | 6° 7 | 18° 0 | 8°38 | 13°37 | 15°25 | 13°59 | 1°14 | 8°48 | S 9 |
| M10 | 17 37 22 | 24°26'58 | 8♏54 | 2°45 | 12° 4 | 28°18 | 22° 9 | 6° 5 | 18° 3 | 8°40 | 13°38 | 15°R26 | 13°55 | 1°20 | 8°51 | M10 |
| T 11 | 17 41 19 | 25°24'07 | 23°43 | 3°56 | 13°11 | 28°57 | 22°21 | 6° 2 | 18° 6 | 8°42 | 13°38 | 15°26 | 13°52 | 1°27 | 8°55 | T 11 |
| W12 | 17 45 15 | 26°21'16 | 8♐45 | 5°10 | 14°18 | 29°36 | 22°34 | 6° 0 | 18° 9 | 8°43 | 13°39 | 15°24 | 13°49 | 1°33 | 8°58 | W12 |
| T 13 | 17 49 12 | 27°18'25 | 23°52 | 6°29 | 15°25 | 0♋16 | 22°46 | 5°58 | 18°12 | 8°45 | 13°39 | 15°20 | 13°46 | 1°40 | 9° 1 | T 13 |
| F 14 | 17 53 9 | 28°15'33 | 8♑55 | 7°51 | 16°32 | 0°55 | 22°59 | 5°56 | 18°14 | 8°47 | 13°40 | 15°15 | 13°43 | 1°47 | 9° 4 | F 14 |
| S 15 | 17 57 5 | 29°12'42 | 23°44 | 9°17 | 17°39 | 1°34 | 23°12 | 5°55 | 18°17 | 8°49 | 13°40 | 15° 9 | 13°40 | 1°53 | 9° 7 | S 15 |
| S 16 | 18 1 2 | 0♋ 9'51 | 8♒12 | 10°46 | 18°47 | 2°13 | 23°24 | 5°53 | 18°20 | 8°50 | 13°41 | 15° 2 | 13°36 | 2° 0 | 9°10 | S 16 |
| M17 | 18 4 58 | 1° 7'00 | 22°13 | 12°20 | 19°54 | 2°53 | 23°37 | 5°51 | 18°23 | 8°52 | 13°41 | 14°56 | 13°33 | 2° 7 | 9°12 | M17 |
| T 18 | 18 8 55 | 2° 4'09 | 5♓45 | 13°57 | 21° 2 | 3°32 | 23°50 | 5°50 | 18°26 | 8°54 | 13°42 | 14°51 | 13°30 | 2°13 | 9°15 | T 18 |
| W19 | 18 12 51 | 3° 1'19 | 18°50 | 15°37 | 22°10 | 4°11 | 24° 2 | 5°48 | 18°28 | 8°56 | 13°42 | 14°48 | 13°27 | 2°20 | 9°18 | W19 |
| T 20 | 18 16 48 | 3°58'29 | 1♈30 | 17°21 | 23°18 | 4°50 | 24°15 | 5°47 | 18°31 | 8°58 | 13°42 | 14°D47 | 13°24 | 2°27 | 9°21 | T 20 |
| F 21 | 18 20 44 | 4°55'40 | 13°50 | 19° 8 | 24°26 | 5°29 | 24°28 | 5°46 | 18°34 | 9° 0 | 13°43 | 14°48 | 13°21 | 2°33 | 9°24 | F 21 |
| S 22 | 18 24 41 | 5°52'51 | 25°54 | 20°58 | 25°34 | 6° 8 | 24°41 | 5°44 | 18°36 | 9° 2 | 13°43 | 14°49 | 13°17 | 2°40 | 9°26 | S 22 |
| S 23 | 18 28 38 | 6°50'03 | 7♉47 | 22°51 | 26°42 | 6°47 | 24°54 | 5°43 | 18°39 | 9° 4 | 13°44 | 14°50 | 13°14 | 2°47 | 9°29 | S 23 |
| M24 | 18 32 34 | 7°47'16 | 19°35 | 24°46 | 27°51 | 7°26 | 25° 7 | 5°42 | 18°42 | 9° 6 | 13°44 | 14°R50 | 13°11 | 2°53 | 9°32 | M24 |
| T 25 | 18 36 31 | 8°44'29 | 1♊22 | 26°45 | 28°59 | 8° 5 | 25°19 | 5°42 | 18°44 | 9° 7 | 13°44 | 14°48 | 13° 8 | 3° 0 | 9°34 | T 25 |
| W26 | 18 40 27 | 9°41'42 | 13°11 | 28°45 | 0♊ 8 | 8°44 | 25°32 | 5°41 | 18°47 | 9° 9 | 13°44 | 14°45 | 13° 5 | 3° 7 | 9°37 | W26 |
| T 27 | 18 44 24 | 10°38'56 | 25° 6 | 0♋47 | 1°16 | 9°23 | 25°45 | 5°40 | 18°49 | 9°11 | 13°45 | 14°38 | 13° 1 | 3°13 | 9°39 | T 27 |
| F 28 | 18 48 20 | 11°36'11 | 7♋ 8 | 2°51 | 2°25 | 10° 2 | 25°58 | 5°39 | 18°52 | 9°13 | 13°45 | 14°30 | 12°58 | 3°20 | 9°41 | F 28 |
| S 29 | 18 52 17 | 12°33'26 | 19°21 | 4°57 | 3°34 | 10°41 | 26°11 | 5°39 | 18°54 | 9°15 | 13°45 | 14°20 | 12°55 | 3°27 | 9°44 | S 29 |
| S 30 | 18 56 14 | 13♋30'42 | 1♌43 | 7♋ 3 | 4♊43 | 11♋20 | 26♋24 | 5♏39 | 18♉56 | 9♘18 | 13♈45 | 14♏10 | 12♏52 | 3♊33 | 9♉46 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n48 | 18n56 | 4s15 | 15n18 | 3s59 | 9n57 | 2s29 | 24n 7 | 0n47 | 22n30 | 0n30 | 11s23 | 2n30 | 16n53 | 0s17 | 18n29 | 0n15 | 10s16 | 16s59 | 16s37 | 16s14 | 18n56 | 13n39 | 0s45 |
| S 2 | 22 54 | 16 58 | 4 47 | 15 30 | 3 54 | 10 19 | 2 29 | 24 10 | 0 48 | 22 28 | 0 30 | 11 22 | 2 30 | 16 54 | 0 17 | 18 29 | 0 15 | 10 16 | 16 59 | 16 36 | 16 13 | 18 57 | 13 40 | 0 45 |
| M 3 | 22 59 | 14 13 | 5 7 | 15 44 | 3 48 | 10 41 | 2 30 | 24 12 | 0 48 | 22 27 | 0 30 | 11 21 | 2 29 | 16 55 | 0 17 | 18 29 | 0 15 | 10 17 | 17 0 | 16 34 | 16 12 | 18 57 | 13 41 | 0 45 |
| T 4 | 23 4 | 10 48 | 5 12 | 16 0 | 3 42 | 11 3 | 2 30 | 24 14 | 0 49 | 22 25 | 0 30 | 11 21 | 2 29 | 16 55 | 0 17 | 18 28 | 0 15 | 10 17 | 17 0 | 16 33 | 16 11 | 18 58 | 13 42 | 0 45 |
| W 5 | 23 9 | 6 49 | 5 2 | 16 18 | 3 34 | 11 25 | 2 30 | 24 16 | 0 49 | 22 23 | 0 30 | 11 20 | 2 29 | 16 56 | 0 17 | 18 28 | 0 15 | 10 17 | 17 0 | 16 32 | 16 10 | 18 58 | 13 43 | 0 46 |
| T 6 | 23 13 | 2 25 | 4 37 | 16 37 | 3 26 | 11 46 | 2 29 | 24 18 | 0 49 | 22 21 | 0 30 | 11 19 | 2 29 | 16 57 | 0 17 | 18 27 | 0 15 | 10 17 | 17 1 | 16 31 | 16 9 | 18 59 | 13 44 | 0 46 |
| F 7 | 23 17 | 2s12 | 3 56 | 16 57 | 3 18 | 12 8 | 2 29 | 24 20 | 0 50 | 22 19 | 0 30 | 11 19 | 2 28 | 16 58 | 0 17 | 18 27 | 0 15 | 10 17 | 17 1 | 16 31 | 16 8 | 18 59 | 13 45 | 0 46 |
| S 8 | 23 21 | 6 50 | 3 0 | 17 18 | 3 9 | 12 29 | 2 29 | 24 21 | 0 50 | 22 17 | 0 30 | 11 18 | 2 28 | 16 59 | 0 17 | 18 27 | 0 15 | 10 17 | 17 1 | 16 32 | 16 8 | 19 0 | 13 46 | 0 46 |
| S 9 | 23 24 | 11 14 | 1 52 | 17 40 | 2 59 | 12 50 | 2 28 | 24 22 | 0 50 | 22 15 | 0 30 | 11 18 | 2 28 | 17 0 | 0 17 | 18 26 | 0 15 | 10 17 | 17 2 | 16 32 | 16 7 | 19 0 | 13 47 | 0 46 |
| M10 | 23 26 | 15 6 | 0 36 | 18 3 | 2 48 | 13 11 | 2 28 | 24 23 | 0 51 | 22 13 | 0 30 | 11 17 | 2 28 | 17 1 | 0 17 | 18 26 | 0 15 | 10 17 | 17 2 | 16 32 | 16 6 | 19 1 | 13 47 | 0 46 |
| T 11 | 23 28 | 18 4 | 0n45 | 18 27 | 2 38 | 13 32 | 2 27 | 24 24 | 0 51 | 22 11 | 0 31 | 11 17 | 2 28 | 17 1 | 0 17 | 18 25 | 0 15 | 10 17 | 17 2 | 16 32 | 16 5 | 19 1 | 13 48 | 0 46 |
| W12 | 23 30 | 19 50 | 2 3 | 18 52 | 2 26 | 13 53 | 2 26 | 24 25 | 0 52 | 22 9 | 0 31 | 11 16 | 2 27 | 17 2 | 0 17 | 18 25 | 0 15 | 10 17 | 17 3 | 16 32 | 16 4 | 19 2 | 13 49 | 0 46 |
| T 13 | 23 32 | 20 11 | 3 13 | 19 17 | 2 15 | 14 13 | 2 25 | 24 25 | 0 52 | 22 7 | 0 31 | 11 16 | 2 27 | 17 3 | 0 17 | 18 24 | 0 15 | 10 17 | 17 3 | 16 31 | 16 3 | 19 2 | 13 50 | 0 46 |
| F 14 | 23 33 | 19 6 | 4 10 | 19 42 | 2 3 | 14 33 | 2 24 | 24 25 | 0 52 | 22 5 | 0 31 | 11 15 | 2 27 | 17 4 | 0 17 | 18 24 | 0 15 | 10 17 | 17 3 | 16 29 | 16 2 | 19 3 | 13 51 | 0 47 |
| S 15 | 23 33 | 16 44 | 4 48 | 20 7 | 1 51 | 14 53 | 2 23 | 24 25 | 0 53 | 22 3 | 0 31 | 11 15 | 2 27 | 17 5 | 0 17 | 18 23 | 0 15 | 10 17 | 17 4 | 16 27 | 16 1 | 19 3 | 13 52 | 0 47 |
| S 16 | 23 33 | 13 22 | 5 7 | 20 32 | 1 39 | 15 13 | 2 22 | 24 25 | 0 53 | 22 1 | 0 31 | 11 15 | 2 26 | 17 5 | 0 17 | 18 23 | 0 15 | 10 17 | 17 4 | 16 25 | 16 0 | 19 4 | 13 53 | 0 47 |
| M17 | 23 33 | 9 20 | 5 7 | 20 57 | 1 26 | 15 32 | 2 21 | 24 25 | 0 53 | 21 59 | 0 31 | 11 14 | 2 26 | 17 6 | 0 17 | 18 22 | 0 15 | 10 18 | 17 4 | 16 24 | 15 59 | 19 4 | 13 53 | 0 47 |
| T 18 | 23 32 | 4 58 | 4 49 | 21 22 | 1 14 | 15 51 | 2 20 | 24 24 | 0 54 | 21 57 | 0 31 | 11 14 | 2 26 | 17 7 | 0 17 | 18 22 | 0 15 | 10 18 | 17 5 | 16 22 | 15 58 | 19 5 | 13 54 | 0 47 |
| W19 | 23 31 | 0 30 | 4 17 | 21 46 | 1 1 | 16 10 | 2 18 | 24 23 | 0 54 | 21 55 | 0 31 | 11 14 | 2 26 | 17 8 | 0 17 | 18 21 | 0 15 | 10 18 | 17 5 | 16 21 | 15 57 | 19 5 | 13 55 | 0 47 |
| T 20 | 23 30 | 3n51 | 3 32 | 22 9 | 0 49 | 16 29 | 2 17 | 24 22 | 0 54 | 21 53 | 0 31 | 11 14 | 2 25 | 17 8 | 0 17 | 18 21 | 0 15 | 10 18 | 17 5 | 16 21 | 15 56 | 19 6 | 13 56 | 0 47 |
| F 21 | 23 28 | 7 56 | 2 39 | 22 30 | 0 36 | 16 47 | 2 15 | 24 21 | 0 55 | 21 50 | 0 31 | 11 13 | 2 25 | 17 9 | 0 17 | 18 20 | 0 15 | 10 18 | 17 6 | 16 21 | 15 55 | 19 6 | 13 57 | 0 47 |
| S 22 | 23 25 | 11 37 | 1 40 | 22 51 | 0 24 | 17 5 | 2 14 | 24 20 | 0 55 | 21 48 | 0 31 | 11 13 | 2 25 | 17 10 | 0 17 | 18 20 | 0 15 | 10 18 | 17 6 | 16 21 | 15 54 | 19 7 | 13 57 | 0 48 |
| S 23 | 23 23 | 14 46 | 0 38 | 23 10 | 0 12 | 17 23 | 2 12 | 24 18 | 0 55 | 21 46 | 0 31 | 11 13 | 2 25 | 17 11 | 0 17 | 18 19 | 0 15 | 10 19 | 17 6 | 16 22 | 15 53 | 19 7 | 13 58 | 0 48 |
| M24 | 23 19 | 17 18 | 0s26 | 23 27 | 0n 0 | 17 40 | 2 10 | 24 16 | 0 56 | 21 44 | 0 31 | 11 13 | 2 24 | 17 11 | 0 17 | 18 19 | 0 15 | 10 19 | 17 7 | 16 22 | 15 52 | 19 8 | 13 59 | 0 48 |
| T 25 | 23 16 | 19 6 | 1 28 | 23 42 | 0 12 | 17 57 | 2 8 | 24 14 | 0 56 | 21 41 | 0 31 | 11 13 | 2 24 | 17 12 | 0 17 | 18 18 | 0 15 | 10 19 | 17 7 | 16 21 | 15 51 | 19 8 | 13 59 | 0 48 |
| W26 | 23 12 | 20 4 | 2 26 | 23 55 | 0 23 | 18 13 | 2 6 | 24 12 | 0 56 | 21 39 | 0 31 | 11 13 | 2 24 | 17 13 | 0 17 | 18 18 | 0 15 | 10 19 | 17 7 | 16 20 | 15 50 | 19 9 | 14 0 | 0 48 |
| T 27 | 23 7 | 20 9 | 3 19 | 24 6 | 0 33 | 18 29 | 2 4 | 24 10 | 0 57 | 21 37 | 0 31 | 11 13 | 2 24 | 17 13 | 0 17 | 18 17 | 0 15 | 10 20 | 17 8 | 16 18 | 15 49 | 19 9 | 14 1 | 0 48 |
| F 28 | 23 3 | 19 19 | 4 3 | 24 14 | 0 43 | 18 45 | 2 2 | 24 7 | 0 57 | 21 34 | 0 32 | 11 13 | 2 23 | 17 14 | 0 17 | 18 17 | 0 15 | 10 20 | 17 8 | 16 16 | 15 48 | 19 10 | 14 1 | 0 48 |
| S 29 | 22 57 | 17 36 | 4 36 | 24 20 | 0 52 | 19 0 | 2 0 | 24 5 | 0 57 | 21 32 | 0 32 | 11 13 | 2 23 | 17 15 | 0 17 | 18 16 | 0 15 | 10 20 | 17 8 | 16 13 | 15 47 | 19 10 | 14 2 | 0 48 |
| S 30 | 22n52 | 15n 2 | 4s57 | 24n23 | 1n 1 | 19n15 | 1s58 | 24n 2 | 0n58 | 21n29 | 0n32 | 11s13 | 2n23 | 17n15 | 0s17 | 18n16 | 0n15 | 10s20 | 17s 9 | 16s10 | 15s46 | 19n11 | 14n 3 | 0s49 |

Julian Day Number = 2123349.5, Delta T = 17m38s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'48, Lahiri = 11°19'48 Julian Calendar 1 June 1101 == Greg. Calendar 8 June 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## JULY 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 0 10 | 14♋27'58 | 14♌17 | 9♋10 | 5♊52 | 11♋59 | 26♋38 | 5°R38 | 18♉59 | 9♌20 | 13♈45 | 13°R59 | 12♏49 | 3♊40 | 9♉48 | M 1 |
| T 2 | 19 4 7 | 15°25'14 | 27° 3 | 11°18 | 7° 1 | 12°38 | 26°51 | 5♏38 | 19° 1 | 9°22 | 13°45 | 13♏50 | 12°46 | 3°47 | 9°51 | T 2 |
| W 3 | 19 8 3 | 16°22'31 | 10♍ 2 | 13°26 | 8°11 | 13°17 | 27° 4 | 5°38 | 19° 3 | 9°24 | 13°46 | 13°43 | 12°42 | 3°53 | 9°53 | W 3 |
| T 4 | 19 12 0 | 17°19'48 | 23°13 | 15°33 | 9°20 | 13°56 | 27°17 | 5°D38 | 19° 5 | 9°26 | 13°46 | 13°38 | 12°39 | 4° 0 | 9°55 | T 4 |
| F 5 | 19 15 56 | 18°17'06 | 6♎39 | 17°40 | 10°29 | 14°34 | 27°30 | 5°38 | 19° 8 | 9°28 | 13°46 | 13°36 | 12°36 | 4° 7 | 9°57 | F 5 |
| S 6 | 19 19 53 | 19°14'24 | 20°21 | 19°47 | 11°39 | 15°13 | 27°43 | 5°38 | 19°10 | 9°30 | 13°46 | 13°D35 | 12°33 | 4°13 | 9°59 | S 6 |
| S 7 | 19 23 49 | 20°11'43 | 4♏19 | 21°53 | 12°49 | 15°52 | 27°56 | 5°38 | 19°12 | 9°32 | 13°46 | 13°36 | 12°30 | 4°20 | 10° 1 | S 7 |
| M 8 | 19 27 46 | 21° 9'02 | 18°35 | 23°57 | 13°58 | 16°31 | 28° 9 | 5°39 | 19°14 | 9°34 | 13°R46 | 13°R36 | 12°26 | 4°27 | 10° 3 | M 8 |
| T 9 | 19 31 43 | 22° 6'21 | 3♐ 5 | 26° 1 | 15° 8 | 17° 9 | 28°23 | 5°39 | 19°16 | 9°36 | 13°46 | 13°34 | 12°23 | 4°33 | 10° 5 | T 9 |
| W10 | 19 35 39 | 23° 3'42 | 17°48 | 28° 3 | 16°18 | 17°48 | 28°36 | 5°40 | 19°18 | 9°39 | 13°46 | 13°31 | 12°20 | 4°40 | 10° 6 | W10 |
| T 11 | 19 39 36 | 24° 1'03 | 2♑37 | 0♌ 4 | 17°28 | 18°27 | 28°49 | 5°40 | 19°20 | 9°41 | 13°46 | 13°25 | 12°17 | 4°46 | 10° 8 | T 11 |
| F 12 | 19 43 32 | 24°58'24 | 17°25 | 2° 4 | 18°38 | 19° 5 | 29° 2 | 5°41 | 19°22 | 9°43 | 13°46 | 13°16 | 12°14 | 4°53 | 10°10 | F 12 |
| S 13 | 19 47 29 | 25°55'47 | 2♒ 3 | 4° 2 | 19°48 | 19°44 | 29°15 | 5°42 | 19°23 | 9°45 | 13°46 | 13° 6 | 12°11 | 5° 0 | 10°12 | S 13 |
| S 14 | 19 51 25 | 26°53'10 | 16°25 | 5°59 | 20°58 | 20°23 | 29°28 | 5°43 | 19°25 | 9°47 | 13°45 | 12°55 | 12° 7 | 5° 6 | 10°13 | S 14 |
| M15 | 19 55 22 | 27°50'35 | 0♓24 | 7°54 | 22° 9 | 21° 1 | 29°42 | 5°44 | 19°27 | 9°49 | 13°45 | 12°45 | 12° 4 | 5°13 | 10°15 | M15 |
| T 16 | 19 59 18 | 28°48'00 | 13°57 | 9°47 | 23°19 | 21°40 | 29°55 | 5°45 | 19°29 | 9°52 | 13°45 | 12°37 | 12° 1 | 5°20 | 10°16 | T 16 |
| W17 | 20 3 15 | 29°45'27 | 27° 4 | 11°39 | 24°30 | 22°18 | 0♌ 8 | 5°46 | 19°30 | 9°54 | 13°45 | 12°30 | 11°58 | 5°26 | 10°18 | W17 |
| T 18 | 20 7 12 | 0♌42'55 | 9♈46 | 13°30 | 25°40 | 22°57 | 0°21 | 5°48 | 19°32 | 9°56 | 13°45 | 12°27 | 11°55 | 5°33 | 10°19 | T 18 |
| F 19 | 20 11 8 | 1°40'25 | 22° 7 | 15°19 | 26°51 | 23°35 | 0°35 | 5°49 | 19°34 | 9°58 | 13°45 | 12°25 | 11°52 | 5°40 | 10°20 | F 19 |
| S 20 | 20 15 5 | 2°37'56 | 4♉12 | 17° 6 | 28° 2 | 24°14 | 0°48 | 5°51 | 19°35 | 10° 0 | 13°44 | 12°D25 | 11°48 | 5°46 | 10°21 | S 20 |
| S 21 | 20 19 1 | 3°35'28 | 16° 5 | 18°52 | 29°13 | 24°52 | 1° 1 | 5°52 | 19°37 | 10° 3 | 13°44 | 12°R25 | 11°45 | 5°53 | 10°23 | S 21 |
| M22 | 20 22 58 | 4°33'02 | 27°54 | 20°36 | 0♋23 | 25°31 | 1°14 | 5°54 | 19°38 | 10° 5 | 13°44 | 12°24 | 11°42 | 6° 0 | 10°24 | M22 |
| T 23 | 20 26 54 | 5°30'37 | 9♊42 | 22°19 | 1°34 | 26° 9 | 1°27 | 5°56 | 19°39 | 10° 7 | 13°43 | 12°22 | 11°39 | 6° 6 | 10°25 | T 23 |
| W24 | 20 30 51 | 6°28'14 | 21°35 | 24° 0 | 2°46 | 26°48 | 1°41 | 5°58 | 19°41 | 10° 9 | 13°43 | 12°17 | 11°36 | 6°13 | 10°26 | W24 |
| T 25 | 20 34 47 | 7°25'52 | 3♋36 | 25°40 | 3°57 | 27°26 | 1°54 | 6° 0 | 19°42 | 10°11 | 13°43 | 12° 9 | 11°32 | 6°20 | 10°27 | T 25 |
| F 26 | 20 38 44 | 8°23'32 | 15°48 | 27°18 | 5° 8 | 28° 4 | 2° 7 | 6° 2 | 19°43 | 10°14 | 13°42 | 11°59 | 11°29 | 6°26 | 10°28 | F 26 |
| S 27 | 20 42 41 | 9°21'13 | 28°13 | 28°54 | 6°19 | 28°43 | 2°20 | 6° 4 | 19°45 | 10°16 | 13°42 | 11°47 | 11°26 | 6°33 | 10°29 | S 27 |
| S 28 | 20 46 37 | 10°18'55 | 10♌53 | 0♍30 | 7°31 | 29°21 | 2°33 | 6° 6 | 19°46 | 10°18 | 13°42 | 11°33 | 11°23 | 6°40 | 10°29 | S 28 |
| M29 | 20 50 34 | 11°16'39 | 23°46 | 2° 3 | 8°42 | 29°59 | 2°46 | 6° 9 | 19°47 | 10°20 | 13°41 | 11°21 | 11°20 | 6°46 | 10°30 | M29 |
| T 30 | 20 54 30 | 12°14'24 | 6♍52 | 3°36 | 9°54 | 0♌38 | 2°59 | 6°11 | 19°48 | 10°23 | 13°41 | 11° 9 | 11°17 | 6°53 | 10°31 | T 30 |
| W31 | 20 58 27 | 13♌12'10 | 20♍ 9 | 5♍ 6 | 11♋ 5 | 1♌16 | 3♌13 | 6♏14 | 19♉49 | 10♌25 | 13♈40 | 11♏ 0 | 11♏13 | 7♊ 0 | 10♉31 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n46 | 11n46 | 5s 4 | 24n23 | 1n 9 | 19n30 | 1s55 | 23n58 | 0n58 | 21n27 | 0n32 | 11s13 | 2n23 | 17n16 | 0s17 | 18n15 | 0n15 | 10s21 | 17s 9 | 16s 7 | 15s45 | 19n11 | 14n 3 | 0s49 |
| T 2 | 22 39 | 7 55 | 4 56 | 24 20 | 1 16 | 19 44 | 1 53 | 23 55 | 0 58 | 21 25 | 0 32 | 11 14 | 2 22 | 17 17 | 0 17 | 18 15 | 0 15 | 10 21 | 17 9 | 16 4 | 15 45 | 19 11 | 14 4 | 0 49 |
| W 3 | 22 33 | 3 38 | 4 33 | 24 15 | 1 23 | 19 57 | 1 51 | 23 52 | 0 59 | 21 22 | 0 32 | 11 14 | 2 22 | 17 17 | 0 17 | 18 14 | 0 15 | 10 21 | 17 10 | 16 2 | 15 44 | 19 12 | 14 4 | 0 49 |
| T 4 | 22 25 | 0s54 | 3 55 | 24 6 | 1 29 | 20 10 | 1 48 | 23 48 | 0 59 | 21 20 | 0 32 | 11 14 | 2 22 | 17 18 | 0 17 | 18 14 | 0 15 | 10 21 | 17 10 | 16 0 | 15 43 | 19 12 | 14 5 | 0 49 |
| F 5 | 22 18 | 5 28 | 3 4 | 23 56 | 1 34 | 20 23 | 1 46 | 23 44 | 0 59 | 21 17 | 0 32 | 11 14 | 2 21 | 17 18 | 0 17 | 18 13 | 0 15 | 10 22 | 17 10 | 16 0 | 15 42 | 19 13 | 14 5 | 0 49 |
| S 6 | 22 10 | 9 51 | 2 1 | 23 42 | 1 38 | 20 35 | 1 43 | 23 40 | 1 0 | 21 14 | 0 32 | 11 15 | 2 21 | 17 19 | 0 17 | 18 13 | 0 15 | 10 22 | 17 11 | 16 0 | 15 41 | 19 13 | 14 6 | 0 49 |
| S 7 | 22 2 | 13 48 | 0 49 | 23 26 | 1 41 | 20 47 | 1 41 | 23 36 | 1 0 | 21 12 | 0 32 | 11 15 | 2 21 | 17 20 | 0 17 | 18 12 | 0 15 | 10 22 | 17 11 | 16 0 | 15 40 | 19 14 | 14 6 | 0 49 |
| M 8 | 21 53 | 17 1 | 0n27 | 23 7 | 1 44 | 20 58 | 1 38 | 23 31 | 1 0 | 21 9 | 0 32 | 11 15 | 2 21 | 17 20 | 0 17 | 18 11 | 0 16 | 10 23 | 17 12 | 16 0 | 15 39 | 19 14 | 14 7 | 0 50 |
| T 9 | 21 44 | 19 13 | 1 42 | 22 47 | 1 46 | 21 8 | 1 35 | 23 27 | 1 0 | 21 7 | 0 32 | 11 16 | 2 20 | 17 21 | 0 17 | 18 11 | 0 16 | 10 23 | 17 12 | 15 59 | 15 38 | 19 14 | 14 7 | 0 50 |
| W10 | 21 34 | 20 9 | 2 51 | 22 24 | 1 47 | 21 19 | 1 33 | 23 22 | 1 1 | 21 4 | 0 32 | 11 16 | 2 20 | 17 21 | 0 17 | 18 10 | 0 16 | 10 23 | 17 12 | 15 58 | 15 37 | 19 15 | 14 8 | 0 50 |
| T 11 | 21 25 | 19 42 | 3 50 | 21 59 | 1 48 | 21 28 | 1 30 | 23 17 | 1 1 | 21 1 | 0 32 | 11 17 | 2 20 | 17 22 | 0 17 | 18 10 | 0 16 | 10 24 | 17 13 | 15 56 | 15 36 | 19 15 | 14 8 | 0 50 |
| F 12 | 21 14 | 17 55 | 4 32 | 21 33 | 1 48 | 21 37 | 1 27 | 23 12 | 1 1 | 20 59 | 0 33 | 11 17 | 2 20 | 17 22 | 0 17 | 18 9 | 0 16 | 10 24 | 17 13 | 15 54 | 15 35 | 19 16 | 14 9 | 0 50 |
| S 13 | 21 4 | 14 59 | 4 57 | 21 4 | 1 47 | 21 46 | 1 24 | 23 7 | 1 2 | 20 56 | 0 33 | 11 18 | 2 19 | 17 23 | 0 17 | 18 9 | 0 16 | 10 24 | 17 13 | 15 51 | 15 34 | 19 16 | 14 9 | 0 50 |
| S 14 | 20 53 | 11 12 | 5 1 | 20 34 | 1 46 | 21 53 | 1 21 | 23 1 | 1 2 | 20 53 | 0 33 | 11 18 | 2 19 | 17 23 | 0 18 | 18 8 | 0 16 | 10 25 | 17 14 | 15 47 | 15 33 | 19 16 | 14 9 | 0 50 |
| M15 | 20 42 | 6 53 | 4 48 | 20 3 | 1 44 | 22 1 | 1 19 | 22 56 | 1 2 | 20 51 | 0 33 | 11 19 | 2 19 | 17 24 | 0 18 | 18 7 | 0 16 | 10 25 | 17 14 | 15 44 | 15 32 | 19 17 | 14 10 | 0 50 |
| T 16 | 20 30 | 2 22 | 4 19 | 19 30 | 1 41 | 22 8 | 1 16 | 22 50 | 1 2 | 20 48 | 0 33 | 11 19 | 2 19 | 17 24 | 0 18 | 18 7 | 0 16 | 10 25 | 17 14 | 15 42 | 15 31 | 19 17 | 14 10 | 0 51 |
| W17 | 20 18 | 2n 8 | 3 36 | 18 57 | 1 38 | 22 14 | 1 13 | 22 44 | 1 3 | 20 45 | 0 33 | 11 20 | 2 18 | 17 25 | 0 18 | 18 6 | 0 16 | 10 26 | 17 15 | 15 40 | 15 30 | 19 17 | 14 10 | 0 51 |
| T 18 | 20 6 | 6 24 | 2 44 | 18 22 | 1 35 | 22 19 | 1 10 | 22 38 | 1 3 | 20 43 | 0 33 | 11 21 | 2 18 | 17 25 | 0 18 | 18 6 | 0 16 | 10 26 | 17 15 | 15 39 | 15 29 | 19 18 | 14 11 | 0 51 |
| F 19 | 19 53 | 10 17 | 1 46 | 17 46 | 1 31 | 22 24 | 1 7 | 22 31 | 1 3 | 20 40 | 0 33 | 11 22 | 2 18 | 17 26 | 0 18 | 18 5 | 0 16 | 10 27 | 17 15 | 15 38 | 15 28 | 19 18 | 14 11 | 0 51 |
| S 20 | 19 40 | 13 40 | 0 44 | 17 9 | 1 27 | 22 29 | 1 4 | 22 25 | 1 4 | 20 37 | 0 33 | 11 22 | 2 17 | 17 26 | 0 18 | 18 4 | 0 16 | 10 27 | 17 16 | 15 38 | 15 27 | 19 19 | 14 11 | 0 51 |
| S 21 | 19 27 | 16 25 | 0s20 | 16 32 | 1 22 | 22 32 | 1 1 | 22 18 | 1 4 | 20 34 | 0 33 | 11 23 | 2 17 | 17 26 | 0 18 | 18 4 | 0 16 | 10 27 | 17 16 | 15 38 | 15 26 | 19 19 | 14 12 | 0 51 |
| M22 | 19 13 | 18 28 | 1 21 | 15 54 | 1 16 | 22 36 | 0 58 | 22 11 | 1 4 | 20 31 | 0 33 | 11 24 | 2 17 | 17 27 | 0 18 | 18 3 | 0 16 | 10 28 | 17 16 | 15 38 | 15 25 | 19 19 | 14 12 | 0 51 |
| T 23 | 18 59 | 19 43 | 2 19 | 15 15 | 1 11 | 22 38 | 0 55 | 22 4 | 1 4 | 20 28 | 0 33 | 11 25 | 2 17 | 17 27 | 0 18 | 18 3 | 0 16 | 10 28 | 17 17 | 15 37 | 15 24 | 19 20 | 14 12 | 0 52 |
| W24 | 18 45 | 20 6 | 3 12 | 14 36 | 1 5 | 22 40 | 0 51 | 21 57 | 1 5 | 20 26 | 0 34 | 11 26 | 2 16 | 17 27 | 0 18 | 18 2 | 0 16 | 10 29 | 17 17 | 15 36 | 15 23 | 19 20 | 14 12 | 0 52 |
| T 25 | 18 30 | 19 34 | 3 56 | 13 57 | 0 59 | 22 41 | 0 48 | 21 50 | 1 5 | 20 23 | 0 34 | 11 27 | 2 16 | 17 28 | 0 18 | 18 2 | 0 16 | 10 29 | 17 17 | 15 33 | 15 22 | 19 20 | 14 12 | 0 52 |
| F 26 | 18 15 | 18 9 | 4 30 | 13 17 | 0 52 | 22 42 | 0 45 | 21 42 | 1 5 | 20 20 | 0 34 | 11 27 | 2 16 | 17 28 | 0 18 | 18 1 | 0 16 | 10 30 | 17 18 | 15 30 | 15 21 | 19 21 | 14 12 | 0 52 |
| S 27 | 18 0 | 15 51 | 4 52 | 12 37 | 0 45 | 22 42 | 0 42 | 21 35 | 1 5 | 20 17 | 0 34 | 11 28 | 2 16 | 17 28 | 0 18 | 18 0 | 0 16 | 10 30 | 17 18 | 15 26 | 15 20 | 19 21 | 14 13 | 0 52 |
| S 28 | 17 44 | 12 46 | 5 0 | 11 57 | 0 38 | 22 41 | 0 39 | 21 27 | 1 6 | 20 14 | 0 34 | 11 29 | 2 15 | 17 29 | 0 18 | 18 0 | 0 16 | 10 30 | 17 18 | 15 22 | 15 19 | 19 21 | 14 13 | 0 52 |
| M29 | 17 29 | 9 3 | 4 53 | 11 16 | 0 31 | 22 40 | 0 36 | 21 19 | 1 6 | 20 11 | 0 34 | 11 30 | 2 15 | 17 29 | 0 18 | 17 59 | 0 16 | 10 31 | 17 19 | 15 18 | 15 18 | 19 22 | 14 13 | 0 52 |
| T 30 | 17 12 | 4 50 | 4 31 | 10 36 | 0 23 | 22 38 | 0 33 | 21 11 | 1 6 | 20 8 | 0 34 | 11 31 | 2 15 | 17 29 | 0 18 | 17 59 | 0 16 | 10 31 | 17 19 | 15 15 | 15 17 | 19 22 | 14 13 | 0 53 |
| W31 | 16n56 | 0n20 | 3s54 | 9n55 | 0n15 | 22n36 | 0s30 | 21n 3 | 1n 6 | 20n 5 | 0n34 | 11s33 | 2n15 | 17n30 | 0s18 | 17n58 | 0n16 | 10s32 | 17s19 | 15s12 | 15s16 | 19n22 | 14n13 | 0s53 |

Julian Day Number = 2123379.5, Delta T = 17m38s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'52, Lahiri = 11°19'52 Julian Calendar 1 July 1101 == Greg. Calendar 8 July 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## AUGUST 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 2 23 | 14♌ 9'57 | 3♎37 | 6♍36 | 12♋17 | 1♌55 | 3♌26 | 6♏16 | 19♉50 | 10♌27 | 13°R40 | 10°R53 | 11♏10 | 7♊ 6 | 10♉32 | T 1 |
| F 2 | 21 6 20 | 15° 7'46 | 17°15 | 8° 4 | 13°29 | 2°33 | 3°39 | 6°19 | 19°51 | 10°29 | 13♈39 | 10♏50 | 11° 7 | 7°13 | 10°32 | F 2 |
| S 3 | 21 10 16 | 16° 5'36 | 1♏ 3 | 9°30 | 14°40 | 3°11 | 3°52 | 6°22 | 19°52 | 10°32 | 13°39 | 10°49 | 11° 4 | 7°20 | 10°33 | S 3 |
| S 4 | 21 14 13 | 17° 3'28 | 15° 0 | 10°55 | 15°52 | 3°49 | 4° 5 | 6°25 | 19°53 | 10°34 | 13°38 | 10°48 | 11° 1 | 7°26 | 10°33 | S 4 |
| M 5 | 21 18 9 | 18° 1'20 | 29° 6 | 12°18 | 17° 4 | 4°28 | 4°18 | 6°28 | 19°53 | 10°36 | 13°38 | 10°48 | 10°58 | 7°33 | 10°33 | M 5 |
| T 6 | 21 22 6 | 18°59'14 | 13♐21 | 13°39 | 18°16 | 5° 6 | 4°31 | 6°31 | 19°54 | 10°38 | 13°37 | 10°47 | 10°54 | 7°40 | 10°34 | T 6 |
| W 7 | 21 26 3 | 19°57'09 | 27°42 | 14°59 | 19°28 | 5°44 | 4°44 | 6°34 | 19°55 | 10°40 | 13°37 | 10°43 | 10°51 | 7°46 | 10°34 | W 7 |
| T 8 | 21 29 59 | 20°55'05 | 12♑ 7 | 16°17 | 20°41 | 6°22 | 4°57 | 6°37 | 19°55 | 10°43 | 13°36 | 10°36 | 10°48 | 7°53 | 10°34 | T 8 |
| F 9 | 21 33 56 | 21°53'03 | 26°31 | 17°34 | 21°53 | 7° 0 | 5°10 | 6°40 | 19°56 | 10°45 | 13°35 | 10°27 | 10°45 | 8° 0 | 10°R34 | F 9 |
| S 10 | 21 37 52 | 22°51'03 | 10♒47 | 18°49 | 23° 5 | 7°39 | 5°23 | 6°44 | 19°56 | 10°47 | 13°35 | 10°16 | 10°42 | 8° 6 | 10°34 | S 10 |
| S 11 | 21 41 49 | 23°49'04 | 24°51 | 20° 2 | 24°17 | 8°17 | 5°35 | 6°47 | 19°57 | 10°49 | 13°34 | 10° 5 | 10°38 | 8°13 | 10°34 | S 11 |
| M12 | 21 45 45 | 24°47'06 | 8♓36 | 21°13 | 25°30 | 8°55 | 5°48 | 6°51 | 19°57 | 10°51 | 13°33 | 9°54 | 10°35 | 8°20 | 10°34 | M12 |
| T 13 | 21 49 42 | 25°45'10 | 22° 1 | 22°22 | 26°42 | 9°33 | 6° 1 | 6°55 | 19°58 | 10°53 | 13°33 | 9°44 | 10°32 | 8°26 | 10°34 | T 13 |
| W14 | 21 53 38 | 26°43'16 | 5♈ 2 | 23°29 | 27°55 | 10°11 | 6°14 | 6°58 | 19°58 | 10°56 | 13°32 | 9°38 | 10°29 | 8°33 | 10°33 | W14 |
| T 15 | 21 57 35 | 27°41'24 | 17°42 | 24°33 | 29° 7 | 10°49 | 6°27 | 7° 2 | 19°58 | 10°58 | 13°31 | 9°33 | 10°26 | 8°40 | 10°33 | T 15 |
| F 16 | 22 1 32 | 28°39'34 | 0♉ 3 | 25°36 | 0♌20 | 11°27 | 6°39 | 7° 6 | 19°59 | 11° 0 | 13°30 | 9°31 | 10°23 | 8°46 | 10°33 | F 16 |
| S 17 | 22 5 28 | 29°37'47 | 12° 8 | 26°35 | 1°33 | 12° 5 | 6°52 | 7°10 | 19°59 | 11° 2 | 13°30 | 9°D31 | 10°19 | 8°53 | 10°32 | S 17 |
| S 18 | 22 9 25 | 0♍36'01 | 24° 3 | 27°33 | 2°46 | 12°43 | 7° 4 | 7°14 | 19°59 | 11° 4 | 13°29 | 9°31 | 10°16 | 9° 0 | 10°32 | S 18 |
| M19 | 22 13 21 | 1°34'17 | 5♊52 | 28°27 | 3°59 | 13°22 | 7°17 | 7°18 | 19°59 | 11° 6 | 13°28 | 9°R31 | 10°13 | 9° 6 | 10°31 | M19 |
| T 20 | 22 17 18 | 2°32'35 | 17°42 | 29°19 | 5°12 | 14° 0 | 7°30 | 7°22 | 19°R59 | 11° 8 | 13°27 | 9°30 | 10°10 | 9°13 | 10°31 | T 20 |
| W21 | 22 21 14 | 3°30'56 | 29°37 | 0♎ 7 | 6°25 | 14°38 | 7°42 | 7°27 | 19°59 | 11°11 | 13°26 | 9°27 | 10° 7 | 9°20 | 10°30 | W21 |
| T 22 | 22 25 11 | 4°29'18 | 11♋43 | 0°52 | 7°38 | 15°16 | 7°55 | 7°31 | 19°59 | 11°13 | 13°26 | 9°21 | 10° 4 | 9°26 | 10°29 | T 22 |
| F 23 | 22 29 7 | 5°27'43 | 24° 2 | 1°33 | 8°51 | 15°54 | 8° 7 | 7°35 | 19°59 | 11°15 | 13°25 | 9°13 | 10° 0 | 9°33 | 10°28 | F 23 |
| S 24 | 22 33 4 | 6°26'10 | 6♌37 | 2°11 | 10° 4 | 16°32 | 8°19 | 7°40 | 19°58 | 11°17 | 13°24 | 9° 4 | 9°57 | 9°40 | 10°28 | S 24 |
| S 25 | 22 37 1 | 7°24'38 | 19°31 | 2°44 | 11°17 | 17°10 | 8°32 | 7°44 | 19°58 | 11°19 | 13°23 | 8°53 | 9°54 | 9°46 | 10°27 | S 25 |
| M26 | 22 40 57 | 8°23'09 | 2♍43 | 3°13 | 12°31 | 17°48 | 8°44 | 7°49 | 19°58 | 11°21 | 13°22 | 8°42 | 9°51 | 9°53 | 10°26 | M26 |
| T 27 | 22 44 54 | 9°21'42 | 16°11 | 3°37 | 13°44 | 18°26 | 8°56 | 7°54 | 19°58 | 11°23 | 13°21 | 8°33 | 9°48 | 10° 0 | 10°25 | T 27 |
| W28 | 22 48 50 | 10°20'16 | 29°52 | 3°56 | 14°57 | 19° 4 | 9° 8 | 7°59 | 19°57 | 11°25 | 13°20 | 8°25 | 9°44 | 10° 6 | 10°24 | W28 |
| T 29 | 22 52 47 | 11°18'53 | 13♎45 | 4° 9 | 16°11 | 19°42 | 9°21 | 8° 3 | 19°57 | 11°27 | 13°19 | 8°20 | 9°41 | 10°13 | 10°22 | T 29 |
| F 30 | 22 56 43 | 12°17'31 | 27°44 | 4°16 | 17°24 | 20°20 | 9°33 | 8° 8 | 19°56 | 11°29 | 13°18 | 8°18 | 9°38 | 10°20 | 10°21 | F 30 |
| S 31 | 23 0 40 | 13♍16'11 | 11♏49 | 4°R17 | 18♌38 | 20♌57 | 9♌45 | 8♏13 | 19♉56 | 11♌31 | 13♈17 | 8°D17 | 9♏35 | 10♊26 | 10♉20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n39 | 4s15 | 3s 3 | 9n15 | 0n 7 | 22n32 | 0s27 | 20n55 | 1n 6 | 20n 2 | 0n34 | 11s34 | 2n14 | 17n30 | 0s18 | 17n57 | 0n16 | 10s32 | 17s20 | 15s10 | 15s15 | 19n23 | 14n13 | 0s53 |
| F 2 | 16 23 | 8 40 | 2 1 | 8 34 | 0s 1 | 22 29 | 0 24 | 20 46 | 1 7 | 19 59 | 0 34 | 11 35 | 2 14 | 17 30 | 0 18 | 17 57 | 0 16 | 10 33 | 17 20 | 15 9 | 15 14 | 19 23 | 14 13 | 0 53 |
| S 3 | 16 5 | 12 42 | 0 51 | 7 54 | 0 9 | 22 24 | 0 21 | 20 37 | 1 7 | 19 56 | 0 35 | 11 36 | 2 14 | 17 30 | 0 18 | 17 56 | 0 16 | 10 33 | 17 20 | 15 8 | 15 13 | 19 23 | 14 13 | 0 53 |
| S 4 | 15 48 | 16 4 | 0n22 | 7 14 | 0 18 | 22 19 | 0 17 | 20 29 | 1 7 | 19 53 | 0 35 | 11 37 | 2 14 | 17 31 | 0 18 | 17 56 | 0 16 | 10 34 | 17 20 | 15 8 | 15 12 | 19 23 | 14 13 | 0 53 |
| M 5 | 15 30 | 18 30 | 1 35 | 6 34 | 0 27 | 22 13 | 0 14 | 20 20 | 1 7 | 19 50 | 0 35 | 11 38 | 2 13 | 17 31 | 0 18 | 17 55 | 0 16 | 10 34 | 17 21 | 15 8 | 15 11 | 19 24 | 14 13 | 0 53 |
| T 6 | 15 12 | 19 49 | 2 43 | 5 55 | 0 35 | 22 7 | 0 11 | 20 11 | 1 8 | 19 47 | 0 35 | 11 40 | 2 13 | 17 31 | 0 18 | 17 54 | 0 16 | 10 35 | 17 21 | 15 8 | 15 10 | 19 24 | 14 13 | 0 53 |
| W 7 | 14 54 | 19 51 | 3 41 | 5 16 | 0 44 | 22 0 | 0 8 | 20 1 | 1 8 | 19 44 | 0 35 | 11 41 | 2 13 | 17 31 | 0 18 | 17 54 | 0 16 | 10 35 | 17 21 | 15 7 | 15 9 | 19 24 | 14 13 | 0 54 |
| T 8 | 14 36 | 18 36 | 4 25 | 4 37 | 0 53 | 21 52 | 0 5 | 19 52 | 1 8 | 19 41 | 0 35 | 11 42 | 2 13 | 17 31 | 0 18 | 17 53 | 0 16 | 10 36 | 17 22 | 15 4 | 15 8 | 19 25 | 14 13 | 0 54 |
| F 9 | 14 17 | 16 10 | 4 53 | 3 59 | 1 2 | 21 44 | 0 2 | 19 43 | 1 8 | 19 38 | 0 35 | 11 43 | 2 12 | 17 31 | 0 18 | 17 53 | 0 16 | 10 36 | 17 22 | 15 2 | 15 7 | 19 25 | 14 13 | 0 54 |
| S 10 | 13 58 | 12 47 | 5 1 | 3 21 | 1 12 | 21 35 | 0n 1 | 19 33 | 1 8 | 19 35 | 0 35 | 11 45 | 2 12 | 17 32 | 0 18 | 17 52 | 0 16 | 10 37 | 17 22 | 14 58 | 15 6 | 19 25 | 14 12 | 0 54 |
| S 11 | 13 39 | 8 43 | 4 51 | 2 44 | 1 21 | 21 25 | 0 4 | 19 23 | 1 9 | 19 32 | 0 35 | 11 46 | 2 12 | 17 32 | 0 18 | 17 51 | 0 16 | 10 37 | 17 22 | 14 55 | 15 5 | 19 26 | 14 12 | 0 54 |
| M12 | 13 19 | 4 17 | 4 25 | 2 7 | 1 30 | 21 15 | 0 7 | 19 13 | 1 9 | 19 29 | 0 35 | 11 48 | 2 12 | 17 32 | 0 18 | 17 51 | 0 16 | 10 38 | 17 23 | 14 51 | 15 4 | 19 26 | 14 12 | 0 54 |
| T 13 | 13 0 | 0n15 | 3 44 | 1 32 | 1 39 | 21 4 | 0 9 | 19 3 | 1 9 | 19 26 | 0 36 | 11 49 | 2 11 | 17 32 | 0 18 | 17 50 | 0 16 | 10 38 | 17 23 | 14 48 | 15 3 | 19 26 | 14 12 | 0 54 |
| W14 | 12 40 | 4 39 | 2 52 | 0 57 | 1 49 | 20 53 | 0 12 | 18 53 | 1 9 | 19 23 | 0 36 | 11 50 | 2 11 | 17 32 | 0 18 | 17 50 | 0 16 | 10 39 | 17 23 | 14 46 | 15 2 | 19 26 | 14 12 | 0 55 |
| T 15 | 12 20 | 8 43 | 1 53 | 0 22 | 1 58 | 20 41 | 0 15 | 18 43 | 1 10 | 19 20 | 0 36 | 11 52 | 2 11 | 17 32 | 0 18 | 17 49 | 0 16 | 10 39 | 17 23 | 14 45 | 15 1 | 19 27 | 14 11 | 0 55 |
| F 16 | 12 0 | 12 19 | 0 50 | 0s11 | 2 7 | 20 28 | 0 18 | 18 33 | 1 10 | 19 17 | 0 36 | 11 53 | 2 11 | 17 32 | 0 18 | 17 49 | 0 16 | 10 40 | 17 24 | 14 44 | 15 0 | 19 27 | 14 11 | 0 55 |
| S 17 | 11 39 | 15 20 | 0s14 | 0 43 | 2 16 | 20 15 | 0 21 | 18 22 | 1 10 | 19 14 | 0 36 | 11 55 | 2 11 | 17 32 | 0 18 | 17 48 | 0 16 | 10 40 | 17 24 | 14 44 | 14 59 | 19 27 | 14 11 | 0 55 |
| S 18 | 11 19 | 17 38 | 1 17 | 1 14 | 2 25 | 20 1 | 0 23 | 18 11 | 1 10 | 19 11 | 0 36 | 11 56 | 2 10 | 17 32 | 0 18 | 17 47 | 0 16 | 10 41 | 17 24 | 14 44 | 14 58 | 19 27 | 14 11 | 0 55 |
| M19 | 10 58 | 19 10 | 2 16 | 1 44 | 2 34 | 19 47 | 0 26 | 18 1 | 1 10 | 19 7 | 0 36 | 11 58 | 2 10 | 17 32 | 0 18 | 17 47 | 0 16 | 10 41 | 17 24 | 14 44 | 14 57 | 19 28 | 14 10 | 0 55 |
| T 20 | 10 37 | 19 51 | 3 9 | 2 12 | 2 42 | 19 32 | 0 29 | 17 50 | 1 10 | 19 4 | 0 36 | 12 0 | 2 10 | 17 32 | 0 18 | 17 46 | 0 16 | 10 42 | 17 25 | 14 44 | 14 56 | 19 28 | 14 10 | 0 55 |
| W21 | 10 16 | 19 39 | 3 54 | 2 40 | 2 51 | 19 16 | 0 31 | 17 39 | 1 11 | 19 1 | 0 37 | 12 1 | 2 10 | 17 32 | 0 18 | 17 46 | 0 16 | 10 42 | 17 25 | 14 43 | 14 55 | 19 28 | 14 10 | 0 56 |
| T 22 | 9 55 | 18 33 | 4 30 | 3 5 | 2 59 | 19 0 | 0 34 | 17 28 | 1 11 | 18 58 | 0 37 | 12 3 | 2 9 | 17 32 | 0 18 | 17 45 | 0 16 | 10 43 | 17 25 | 14 41 | 14 54 | 19 28 | 14 9 | 0 56 |
| F 23 | 9 33 | 16 35 | 4 53 | 3 29 | 3 7 | 18 43 | 0 36 | 17 17 | 1 11 | 18 55 | 0 37 | 12 4 | 2 9 | 17 32 | 0 18 | 17 45 | 0 16 | 10 43 | 17 25 | 14 38 | 14 53 | 19 28 | 14 9 | 0 56 |
| S 24 | 9 12 | 13 48 | 5 4 | 3 51 | 3 15 | 18 26 | 0 39 | 17 5 | 1 11 | 18 52 | 0 37 | 12 6 | 2 9 | 17 32 | 0 18 | 17 44 | 0 16 | 10 44 | 17 26 | 14 35 | 14 52 | 19 29 | 14 9 | 0 56 |
| S 25 | 8 50 | 10 18 | 4 59 | 4 11 | 3 22 | 18 8 | 0 41 | 16 54 | 1 11 | 18 49 | 0 37 | 12 8 | 2 9 | 17 32 | 0 18 | 17 43 | 0 16 | 10 44 | 17 26 | 14 32 | 14 51 | 19 29 | 14 8 | 0 56 |
| M26 | 8 28 | 6 14 | 4 38 | 4 28 | 3 29 | 17 50 | 0 44 | 16 42 | 1 12 | 18 46 | 0 37 | 12 9 | 2 9 | 17 32 | 0 18 | 17 43 | 0 16 | 10 45 | 17 26 | 14 28 | 14 50 | 19 29 | 14 8 | 0 56 |
| T 27 | 8 6 | 1 46 | 4 2 | 4 44 | 3 35 | 17 31 | 0 46 | 16 31 | 1 12 | 18 43 | 0 37 | 12 11 | 2 8 | 17 32 | 0 18 | 17 42 | 0 16 | 10 45 | 17 26 | 14 25 | 14 49 | 19 29 | 14 7 | 0 56 |
| W28 | 7 44 | 2s52 | 3 11 | 4 56 | 3 41 | 17 12 | 0 48 | 16 19 | 1 12 | 18 39 | 0 37 | 12 13 | 2 8 | 17 32 | 0 18 | 17 42 | 0 16 | 10 46 | 17 26 | 14 23 | 14 48 | 19 30 | 14 7 | 0 57 |
| T 29 | 7 21 | 7 24 | 2 8 | 5 6 | 3 46 | 16 52 | 0 51 | 16 7 | 1 12 | 18 36 | 0 38 | 12 15 | 2 8 | 17 32 | 0 18 | 17 41 | 0 16 | 10 47 | 17 27 | 14 21 | 14 47 | 19 30 | 14 6 | 0 57 |
| F 30 | 6 59 | 11 36 | 0 56 | 5 13 | 3 50 | 16 32 | 0 53 | 15 55 | 1 12 | 18 33 | 0 38 | 12 16 | 2 8 | 17 31 | 0 18 | 17 41 | 0 16 | 10 47 | 17 27 | 14 20 | 14 46 | 19 30 | 14 6 | 0 57 |
| S 31 | 6n36 | 15s 9 | 0n19 | 5s16 | 3s53 | 16n11 | 0n55 | 15n43 | 1n12 | 18n30 | 0n38 | 12s18 | 2n 8 | 17n31 | 0s18 | 17n40 | 0n16 | 10s48 | 17s27 | 14s20 | 14s45 | 19n30 | 14n 5 | 0s57 |

Julian Day Number = 2123410.5, Delta T = 17m37s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°12'56, Lahiri = 11°19'57 Julian Calendar 1 Aug. 1101 == Greg. Calendar 8 Aug. 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## SEPTEMBER 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 4 36 | 14♍14'53 | 25♏57 | 4°R12 | 19♌51 | 21♌35 | 9♌57 | 8♏18 | 19°R55 | 11♌33 | 13°R16 | 8♏18 | 9♏32 | 10♊33 | 10°R19 | S 1 |
| M 2 | 23 8 33 | 15°13'36 | 10♐ 5 | 3♎59 | 21° 5 | 22°13 | 10° 9 | 8°24 | 19♉55 | 11°35 | 13♈15 | 8°R19 | 9°29 | 10°39 | 10♉17 | M 2 |
| T 3 | 23 12 30 | 16°12'21 | 24°14 | 3°40 | 22°19 | 22°51 | 10°20 | 8°29 | 19°54 | 11°37 | 13°14 | 8°19 | 9°25 | 10°46 | 10°16 | T 3 |
| W 4 | 23 16 26 | 17°11'08 | 8♑21 | 3°13 | 23°33 | 23°29 | 10°32 | 8°34 | 19°53 | 11°39 | 13°13 | 8°17 | 9°22 | 10°53 | 10°14 | W 4 |
| T 5 | 23 20 23 | 18° 9'57 | 22°24 | 2°39 | 24°47 | 24° 7 | 10°44 | 8°39 | 19°52 | 11°40 | 13°12 | 8°13 | 9°19 | 11° 0 | 10°13 | T 5 |
| F 6 | 23 24 19 | 19° 8'47 | 6♒22 | 1°58 | 26° 0 | 24°45 | 10°56 | 8°45 | 19°51 | 11°42 | 13°11 | 8° 7 | 9°16 | 11° 6 | 10°11 | F 6 |
| S 7 | 23 28 16 | 20° 7'40 | 20°11 | 1°10 | 27°14 | 25°23 | 11° 7 | 8°50 | 19°51 | 11°44 | 13°10 | 7°59 | 9°13 | 11°13 | 10°10 | S 7 |
| S 8 | 23 32 12 | 21° 6'34 | 3♓49 | 0°15 | 28°28 | 26° 0 | 11°19 | 8°56 | 19°50 | 11°46 | 13° 9 | 7°51 | 9° 9 | 11°19 | 10° 8 | S 8 |
| M 9 | 23 36 9 | 22° 5'30 | 17°12 | 29♍16 | 29°42 | 26°38 | 11°30 | 9° 1 | 19°49 | 11°48 | 13° 8 | 7°43 | 9° 6 | 11°26 | 10° 6 | M 9 |
| T 10 | 23 40 5 | 23° 4'28 | 0♈19 | 28°12 | 0♍56 | 27°16 | 11°42 | 9° 7 | 19°48 | 11°50 | 13° 7 | 7°37 | 9° 3 | 11°33 | 10° 4 | T 10 |
| W11 | 23 44 2 | 24° 3'28 | 13° 8 | 27° 4 | 2°10 | 27°54 | 11°53 | 9°12 | 19°47 | 11°51 | 13° 6 | 7°32 | 9° 0 | 11°39 | 10° 2 | W11 |
| T 12 | 23 47 58 | 25° 2'30 | 25°40 | 25°56 | 3°25 | 28°32 | 12° 4 | 9°18 | 19°45 | 11°53 | 13° 5 | 7°30 | 8°57 | 11°46 | 10° 0 | T 12 |
| F 13 | 23 51 55 | 26° 1'35 | 7♉56 | 24°48 | 4°39 | 29°10 | 12°15 | 9°24 | 19°44 | 11°55 | 13° 4 | 7°D29 | 8°54 | 11°53 | 9°59 | F 13 |
| S 14 | 23 55 52 | 27° 0'41 | 19°59 | 23°41 | 5°53 | 29°47 | 12°26 | 9°30 | 19°43 | 11°56 | 13° 3 | 7°30 | 8°50 | 11°59 | 9°57 | S 14 |
| S 15 | 23 59 48 | 27°59'51 | 1♊54 | 22°39 | 7° 7 | 0♍25 | 12°37 | 9°35 | 19°42 | 11°58 | 13° 2 | 7°31 | 8°47 | 12° 6 | 9°54 | S 15 |
| M16 | 0 3 45 | 28°59'02 | 13°43 | 21°42 | 8°22 | 1° 3 | 12°48 | 9°41 | 19°41 | 12° 0 | 13° 1 | 7°33 | 8°44 | 12°13 | 9°52 | M16 |
| T 17 | 0 7 41 | 29°58'16 | 25°33 | 20°53 | 9°36 | 1°41 | 12°59 | 9°47 | 19°39 | 12° 1 | 12°59 | 7°R34 | 8°41 | 12°20 | 9°50 | T 17 |
| W18 | 0 11 38 | 0♎57'32 | 7♋29 | 20°12 | 10°51 | 2°18 | 13°10 | 9°53 | 19°38 | 12° 3 | 12°58 | 7°34 | 8°38 | 12°26 | 9°48 | W18 |
| T 19 | 0 15 34 | 1°56'51 | 19°35 | 19°41 | 12° 5 | 2°56 | 13°21 | 9°59 | 19°36 | 12° 5 | 12°57 | 7°32 | 8°35 | 12°33 | 9°46 | T 19 |
| F 20 | 0 19 31 | 2°56'12 | 1♌55 | 19°21 | 13°20 | 3°34 | 13°31 | 10° 5 | 19°35 | 12° 6 | 12°56 | 7°29 | 8°31 | 12°40 | 9°44 | F 20 |
| S 21 | 0 23 27 | 3°55'35 | 14°35 | 19°D11 | 14°34 | 4°12 | 13°42 | 10°12 | 19°33 | 12° 8 | 12°55 | 7°24 | 8°28 | 12°46 | 9°41 | S 21 |
| S 22 | 0 27 24 | 4°55'00 | 27°36 | 19°12 | 15°49 | 4°49 | 13°52 | 10°18 | 19°32 | 12° 9 | 12°54 | 7°19 | 8°25 | 12°53 | 9°39 | S 22 |
| M23 | 0 31 21 | 5°54'28 | 10♍59 | 19°23 | 17° 3 | 5°27 | 14° 3 | 10°24 | 19°30 | 12°11 | 12°53 | 7°14 | 8°22 | 13° 0 | 9°36 | M23 |
| T 24 | 0 35 17 | 6°53'58 | 24°44 | 19°45 | 18°18 | 6° 5 | 14°13 | 10°30 | 19°29 | 12°12 | 12°52 | 7° 9 | 8°19 | 13° 6 | 9°34 | T 24 |
| W25 | 0 39 14 | 7°53'29 | 8♎47 | 20°17 | 19°33 | 6°42 | 14°23 | 10°37 | 19°27 | 12°14 | 12°50 | 7° 6 | 8°15 | 13°13 | 9°31 | W25 |
| T 26 | 0 43 10 | 8°53'04 | 23° 5 | 20°58 | 20°47 | 7°20 | 14°33 | 10°43 | 19°25 | 12°15 | 12°49 | 7° 4 | 8°12 | 13°20 | 9°29 | T 26 |
| F 27 | 0 47 7 | 9°52'40 | 7♏32 | 21°48 | 22° 2 | 7°58 | 14°43 | 10°49 | 19°23 | 12°16 | 12°48 | 7°D 3 | 8° 9 | 13°26 | 9°26 | F 27 |
| S 28 | 0 51 3 | 10°52'18 | 22° 3 | 22°45 | 23°17 | 8°35 | 14°53 | 10°56 | 19°22 | 12°18 | 12°47 | 7° 3 | 8° 6 | 13°33 | 9°24 | S 28 |
| S 29 | 0 55 0 | 11°51'58 | 6♐32 | 23°49 | 24°32 | 9°13 | 15° 3 | 11° 2 | 19°20 | 12°19 | 12°46 | 7° 5 | 8° 3 | 13°40 | 9°21 | S 29 |
| M30 | 0 58 56 | 12♎51'39 | 20♐56 | 24♍59 | 25♍47 | 9♍51 | 15♌12 | 11♏ 9 | 19♉18 | 12♌20 | 12♈45 | 7♏ 6 | 8♏ 0 | 13♊46 | 9♉18 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n14 | 17s49 | 1n33 | 5s16 | 3s55 | 15n50 | 0n57 | 15n31 | 1n13 | 18n27 | 0n38 | 12s20 | 2n 7 | 17n31 | 0s18 | 17n40 | 0n16 | 10s48 | 17s27 | 14s20 | 14s44 | 19n30 | 14n 5 | 0s57 |
| M 2 | 5 51 | 19 23 | 2 42 | 5 12 | 3 56 | 15 28 | 0 59 | 15 19 | 1 13 | 18 24 | 0 38 | 12 22 | 2 7 | 17 31 | 0 18 | 17 39 | 0 16 | 10 49 | 17 27 | 14 21 | 14 43 | 19 31 | 14 4 | 0 57 |
| T 3 | 5 28 | 19 44 | 3 41 | 5 4 | 3 56 | 15 6 | 1 1 | 15 7 | 1 13 | 18 21 | 0 38 | 12 24 | 2 7 | 17 31 | 0 18 | 17 39 | 0 16 | 10 49 | 17 28 | 14 21 | 14 42 | 19 31 | 14 4 | 0 57 |
| W 4 | 5 5 | 18 51 | 4 27 | 4 52 | 3 54 | 14 44 | 1 3 | 14 54 | 1 13 | 18 18 | 0 38 | 12 25 | 2 7 | 17 31 | 0 18 | 17 38 | 0 16 | 10 50 | 17 28 | 14 20 | 14 41 | 19 31 | 14 3 | 0 58 |
| T 5 | 4 42 | 16 49 | 4 56 | 4 35 | 3 51 | 14 21 | 1 5 | 14 42 | 1 13 | 18 15 | 0 39 | 12 27 | 2 7 | 17 30 | 0 18 | 17 38 | 0 16 | 10 50 | 17 28 | 14 19 | 14 40 | 19 31 | 14 2 | 0 58 |
| F 6 | 4 19 | 13 48 | 5 7 | 4 14 | 3 45 | 13 57 | 1 7 | 14 29 | 1 13 | 18 12 | 0 39 | 12 29 | 2 6 | 17 30 | 0 18 | 17 37 | 0 16 | 10 51 | 17 28 | 14 17 | 14 39 | 19 31 | 14 2 | 0 58 |
| S 7 | 3 56 | 10 4 | 5 1 | 3 48 | 3 38 | 13 34 | 1 8 | 14 17 | 1 13 | 18 9 | 0 39 | 12 31 | 2 6 | 17 30 | 0 18 | 17 37 | 0 16 | 10 51 | 17 28 | 14 14 | 14 38 | 19 31 | 14 1 | 0 58 |
| S 8 | 3 32 | 5 51 | 4 37 | 3 18 | 3 30 | 13 9 | 1 10 | 14 4 | 1 14 | 18 6 | 0 39 | 12 33 | 2 6 | 17 30 | 0 18 | 17 36 | 0 16 | 10 52 | 17 28 | 14 12 | 14 37 | 19 32 | 14 0 | 0 58 |
| M 9 | 3 9 | 1 25 | 3 58 | 2 45 | 3 19 | 12 45 | 1 12 | 13 51 | 1 14 | 18 2 | 0 39 | 12 35 | 2 6 | 17 29 | 0 18 | 17 36 | 0 16 | 10 52 | 17 28 | 14 9 | 14 36 | 19 32 | 14 0 | 0 58 |
| T 10 | 2 46 | 2n59 | 3 7 | 2 7 | 3 6 | 12 20 | 1 13 | 13 38 | 1 14 | 17 59 | 0 39 | 12 37 | 2 6 | 17 29 | 0 18 | 17 35 | 0 16 | 10 53 | 17 28 | 14 7 | 14 35 | 19 32 | 13 59 | 0 58 |
| W11 | 2 22 | 7 11 | 2 8 | 1 27 | 2 51 | 11 55 | 1 15 | 13 25 | 1 14 | 17 56 | 0 39 | 12 39 | 2 6 | 17 29 | 0 18 | 17 35 | 0 16 | 10 53 | 17 29 | 14 6 | 14 34 | 19 32 | 13 58 | 0 59 |
| T 12 | 1 59 | 10 57 | 1 4 | 0 45 | 2 35 | 11 29 | 1 16 | 13 12 | 1 14 | 17 53 | 0 40 | 12 41 | 2 5 | 17 28 | 0 18 | 17 34 | 0 16 | 10 54 | 17 29 | 14 5 | 14 33 | 19 32 | 13 58 | 0 59 |
| F 13 | 1 35 | 14 11 | 0s 2 | 0 1 | 2 17 | 11 3 | 1 18 | 12 59 | 1 14 | 17 50 | 0 40 | 12 43 | 2 5 | 17 28 | 0 18 | 17 34 | 0 16 | 10 54 | 17 29 | 14 4 | 14 32 | 19 32 | 13 57 | 0 59 |
| S 14 | 1 12 | 16 44 | 1 8 | 0n42 | 1 58 | 10 37 | 1 19 | 12 46 | 1 14 | 17 47 | 0 40 | 12 45 | 2 5 | 17 28 | 0 18 | 17 33 | 0 16 | 10 55 | 17 29 | 14 5 | 14 31 | 19 32 | 13 56 | 0 59 |
| S 15 | 0 48 | 18 32 | 2 9 | 1 25 | 1 39 | 10 11 | 1 20 | 12 32 | 1 15 | 17 44 | 0 40 | 12 47 | 2 5 | 17 27 | 0 18 | 17 33 | 0 16 | 10 55 | 17 29 | 14 5 | 14 30 | 19 33 | 13 55 | 0 59 |
| M16 | 0 24 | 19 30 | 3 5 | 2 6 | 1 18 | 9 44 | 1 21 | 12 19 | 1 15 | 17 41 | 0 40 | 12 49 | 2 5 | 17 27 | 0 18 | 17 32 | 0 16 | 10 56 | 17 29 | 14 6 | 14 29 | 19 33 | 13 54 | 0 59 |
| T 17 | 0 1 | 19 36 | 3 52 | 2 45 | 0 58 | 9 17 | 1 22 | 12 6 | 1 15 | 17 39 | 0 40 | 12 51 | 2 5 | 17 27 | 0 18 | 17 32 | 0 16 | 10 56 | 17 29 | 14 6 | 14 28 | 19 33 | 13 54 | 0 59 |
| W18 | 0s23 | 18 50 | 4 30 | 3 19 | 0 38 | 8 49 | 1 23 | 11 52 | 1 15 | 17 36 | 0 41 | 12 53 | 2 4 | 17 26 | 0 18 | 17 32 | 0 16 | 10 57 | 17 29 | 14 6 | 14 27 | 19 33 | 13 53 | 0 59 |
| T 19 | 0 47 | 17 13 | 4 57 | 3 49 | 0 18 | 8 22 | 1 24 | 11 38 | 1 15 | 17 33 | 0 41 | 12 55 | 2 4 | 17 26 | 0 18 | 17 31 | 0 16 | 10 57 | 17 29 | 14 5 | 14 26 | 19 33 | 13 52 | 1 0 |
| F 20 | 1 10 | 14 47 | 5 11 | 4 15 | 0n 1 | 7 54 | 1 25 | 11 25 | 1 15 | 17 30 | 0 41 | 12 57 | 2 4 | 17 26 | 0 18 | 17 31 | 0 17 | 10 58 | 17 29 | 14 4 | 14 25 | 19 33 | 13 51 | 1 0 |
| S 21 | 1 34 | 11 36 | 5 10 | 4 35 | 0 18 | 7 25 | 1 26 | 11 11 | 1 15 | 17 27 | 0 41 | 12 59 | 2 4 | 17 25 | 0 18 | 17 30 | 0 17 | 10 58 | 17 29 | 14 3 | 14 24 | 19 33 | 13 50 | 1 0 |
| S 22 | 1 58 | 7 47 | 4 53 | 4 50 | 0 35 | 6 57 | 1 27 | 10 57 | 1 15 | 17 24 | 0 41 | 13 1 | 2 4 | 17 25 | 0 18 | 17 30 | 0 17 | 10 59 | 17 29 | 14 1 | 14 23 | 19 33 | 13 49 | 1 0 |
| M23 | 2 21 | 3 28 | 4 20 | 4 59 | 0 50 | 6 29 | 1 27 | 10 44 | 1 15 | 17 21 | 0 41 | 13 3 | 2 4 | 17 24 | 0 18 | 17 29 | 0 17 | 10 59 | 17 30 | 14 0 | 14 22 | 19 34 | 13 49 | 1 0 |
| T 24 | 2 45 | 1s 8 | 3 31 | 5 3 | 1 4 | 6 0 | 1 28 | 10 30 | 1 16 | 17 18 | 0 42 | 13 5 | 2 4 | 17 24 | 0 18 | 17 29 | 0 17 | 11 0 | 17 30 | 13 58 | 14 21 | 19 34 | 13 48 | 1 0 |
| W25 | 3 9 | 5 47 | 2 29 | 5 2 | 1 16 | 5 31 | 1 29 | 10 16 | 1 16 | 17 16 | 0 42 | 13 7 | 2 3 | 17 23 | 0 18 | 17 29 | 0 17 | 11 0 | 17 30 | 13 57 | 14 20 | 19 34 | 13 47 | 1 0 |
| T 26 | 3 32 | 10 11 | 1 16 | 4 55 | 1 26 | 5 2 | 1 29 | 10 2 | 1 16 | 17 13 | 0 42 | 13 10 | 2 3 | 17 23 | 0 18 | 17 28 | 0 17 | 11 1 | 17 30 | 13 56 | 14 19 | 19 34 | 13 46 | 1 1 |
| F 27 | 3 56 | 14 3 | 0n 3 | 4 44 | 1 36 | 4 32 | 1 29 | 9 48 | 1 16 | 17 10 | 0 42 | 13 12 | 2 3 | 17 22 | 0 18 | 17 28 | 0 17 | 11 1 | 17 30 | 13 56 | 14 17 | 19 34 | 13 45 | 1 1 |
| S 28 | 4 19 | 17 3 | 1 22 | 4 28 | 1 43 | 4 3 | 1 30 | 9 34 | 1 16 | 17 7 | 0 42 | 13 14 | 2 3 | 17 22 | 0 18 | 17 28 | 0 17 | 11 1 | 17 30 | 13 56 | 14 16 | 19 34 | 13 44 | 1 1 |
| S 29 | 4 43 | 18 57 | 2 35 | 4 9 | 1 50 | 3 34 | 1 30 | 9 20 | 1 16 | 17 5 | 0 42 | 13 16 | 2 3 | 17 21 | 0 18 | 17 27 | 0 17 | 11 2 | 17 30 | 13 57 | 14 15 | 19 34 | 13 43 | 1 1 |
| M30 | 5s 6 | 19s36 | 3n39 | 3n45 | 1n55 | 3n 4 | 1n30 | 9n 5 | 1n16 | 17n 2 | 0n43 | 13s18 | 2n 3 | 17n21 | 0s18 | 17n27 | 0n17 | 11s 2 | 17s30 | 13s57 | 14s14 | 19n34 | 13n42 | 1s 1 |

Julian Day Number = 2123441.5, Delta T = 17m37s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'01, Lahiri = 11°20'01 Julian Calendar 1 Sept. 1101 == Greg. Calendar 8 Sept. 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## OCTOBER 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 2 53 | 13♎51'23 | 5♉11 | 26♍14 | 27♍ 2 | 10♍28 | 15♌22 | 11♏15 | 19°R16 | 12♌22 | 12°R44 | 7♏ 7 | 7♏56 | 13♊53 | 9°R16 | T 1 |
| W 2 | 1 6 50 | 14°51'08 | 19°15 | 27°34 | 28°16 | 11° 6 | 15°31 | 11°22 | 19♉14 | 12°23 | 12♈42 | 7°R 7 | 7°53 | 14° 0 | 9♉13 | W 2 |
| T 3 | 1 10 46 | 15°50'55 | 3♒ 6 | 28°57 | 29°31 | 11°44 | 15°41 | 11°29 | 19°12 | 12°24 | 12°41 | 7° 7 | 7°50 | 14° 6 | 9°10 | T 3 |
| F 4 | 1 14 43 | 16°50'43 | 16°45 | 0♎24 | 0♎46 | 12°21 | 15°50 | 11°35 | 19°10 | 12°25 | 12°40 | 7° 5 | 7°47 | 14°13 | 9° 7 | F 4 |
| S 5 | 1 18 39 | 17°50'33 | 0♓11 | 1°53 | 2° 1 | 12°59 | 15°59 | 11°42 | 19° 8 | 12°26 | 12°39 | 7° 2 | 7°44 | 14°20 | 9° 5 | S 5 |
| S 6 | 1 22 36 | 18°50'25 | 13°23 | 3°25 | 3°16 | 13°36 | 16° 8 | 11°49 | 19° 6 | 12°28 | 12°38 | 6°59 | 7°40 | 14°26 | 9° 2 | S 6 |
| M 7 | 1 26 32 | 19°50'19 | 26°21 | 4°59 | 4°31 | 14°14 | 16°17 | 11°55 | 19° 4 | 12°29 | 12°37 | 6°57 | 7°37 | 14°33 | 8°59 | M 7 |
| T 8 | 1 30 29 | 20°50'14 | 9♈ 6 | 6°34 | 5°46 | 14°51 | 16°26 | 12° 2 | 19° 2 | 12°30 | 12°36 | 6°55 | 7°34 | 14°40 | 8°56 | T 8 |
| W 9 | 1 34 25 | 21°50'12 | 21°38 | 8°10 | 7° 2 | 15°29 | 16°34 | 12° 9 | 19° 0 | 12°31 | 12°34 | 6°53 | 7°31 | 14°46 | 8°53 | W 9 |
| T 10 | 1 38 22 | 22°50'11 | 3♉57 | 9°47 | 8°17 | 16° 6 | 16°43 | 12°16 | 18°58 | 12°32 | 12°33 | 6°D53 | 7°28 | 14°53 | 8°50 | T 10 |
| F 11 | 1 42 18 | 23°50'13 | 16° 5 | 11°25 | 9°32 | 16°44 | 16°51 | 12°23 | 18°55 | 12°33 | 12°32 | 6°53 | 7°25 | 15° 0 | 8°47 | F 11 |
| S 12 | 1 46 15 | 24°50'16 | 28° 4 | 13° 3 | 10°47 | 17°21 | 16°59 | 12°30 | 18°53 | 12°34 | 12°31 | 6°54 | 7°21 | 15° 6 | 8°44 | S 12 |
| S 13 | 1 50 12 | 25°50'22 | 9♊57 | 14°42 | 12° 2 | 17°59 | 17° 8 | 12°36 | 18°51 | 12°35 | 12°30 | 6°55 | 7°18 | 15°13 | 8°41 | S 13 |
| M14 | 1 54 8 | 26°50'29 | 21°46 | 16°21 | 13°17 | 18°36 | 17°16 | 12°43 | 18°49 | 12°36 | 12°29 | 6°56 | 7°15 | 15°20 | 8°38 | M14 |
| T 15 | 1 58 5 | 27°50'39 | 3♋35 | 18° 0 | 14°33 | 19°14 | 17°24 | 12°50 | 18°46 | 12°36 | 12°28 | 6°57 | 7°12 | 15°26 | 8°35 | T 15 |
| W16 | 2 2 1 | 28°50'51 | 15°30 | 19°38 | 15°48 | 19°51 | 17°31 | 12°57 | 18°44 | 12°37 | 12°27 | 6°57 | 7° 9 | 15°33 | 8°32 | W16 |
| T 17 | 2 5 58 | 29°51'05 | 27°34 | 21°17 | 17° 3 | 20°29 | 17°39 | 13° 4 | 18°42 | 12°38 | 12°26 | 6°R58 | 7° 6 | 15°40 | 8°29 | T 17 |
| F 18 | 2 9 54 | 0♏51'21 | 9♌51 | 22°56 | 18°18 | 21° 6 | 17°46 | 13°11 | 18°39 | 12°39 | 12°24 | 6°58 | 7° 2 | 15°46 | 8°26 | F 18 |
| S 19 | 2 13 51 | 1°51'39 | 22°28 | 24°34 | 19°34 | 21°44 | 17°54 | 13°18 | 18°37 | 12°40 | 12°23 | 6°57 | 6°59 | 15°53 | 8°23 | S 19 |
| S 20 | 2 17 47 | 2°51'58 | 5♍26 | 26°12 | 20°49 | 22°21 | 18° 1 | 13°25 | 18°35 | 12°40 | 12°22 | 6°57 | 6°56 | 16° 0 | 8°20 | S 20 |
| M21 | 2 21 44 | 3°52'20 | 18°50 | 27°50 | 22° 4 | 22°59 | 18° 8 | 13°32 | 18°32 | 12°41 | 12°21 | 6°56 | 6°53 | 16° 6 | 8°16 | M21 |
| T 22 | 2 25 41 | 4°52'44 | 2♎39 | 29°28 | 23°20 | 23°36 | 18°15 | 13°39 | 18°30 | 12°41 | 12°20 | 6°56 | 6°50 | 16°13 | 8°13 | T 22 |
| W23 | 2 29 37 | 5°53'10 | 16°53 | 1♏ 5 | 24°35 | 24°14 | 18°22 | 13°46 | 18°27 | 12°42 | 12°19 | 6°56 | 6°46 | 16°20 | 8°10 | W23 |
| T 24 | 2 33 34 | 6°53'37 | 1♏28 | 2°42 | 25°50 | 24°51 | 18°29 | 13°53 | 18°25 | 12°43 | 12°18 | 6°56 | 6°43 | 16°26 | 8° 7 | T 24 |
| F 25 | 2 37 30 | 7°54'07 | 16°18 | 4°19 | 27° 6 | 25°28 | 18°35 | 14° 1 | 18°22 | 12°43 | 12°17 | 6°56 | 6°40 | 16°33 | 8° 4 | F 25 |
| S 26 | 2 41 27 | 8°54'38 | 1♐15 | 5°56 | 28°21 | 26° 6 | 18°41 | 14° 8 | 18°20 | 12°44 | 12°16 | 6°56 | 6°37 | 16°40 | 8° 1 | S 26 |
| S 27 | 2 45 23 | 9°55'10 | 16°11 | 7°32 | 29°37 | 26°43 | 18°48 | 14°15 | 18°18 | 12°44 | 12°15 | 6°56 | 6°34 | 16°46 | 7°58 | S 27 |
| M28 | 2 49 20 | 10°55'44 | 0♑59 | 9° 8 | 0♏52 | 27°20 | 18°54 | 14°22 | 18°15 | 12°45 | 12°14 | 6°55 | 6°31 | 16°53 | 7°55 | M28 |
| T 29 | 2 53 16 | 11°56'19 | 15°31 | 10°44 | 2° 7 | 27°58 | 19° 0 | 14°29 | 18°13 | 12°45 | 12°13 | 6°55 | 6°27 | 17° 0 | 7°51 | T 29 |
| W30 | 2 57 13 | 12°56'56 | 29°45 | 12°19 | 3°23 | 28°35 | 19° 5 | 14°36 | 18°10 | 12°45 | 12°12 | 6°54 | 6°24 | 17° 6 | 7°48 | W30 |
| T 31 | 3 1 10 | 13♏57'33 | 13♒37 | 13♏54 | 4♏38 | 29♍12 | 19♌11 | 14♏43 | 18♉ 8 | 12♌46 | 12♈11 | 6°D54 | 6♏21 | 17♊13 | 7♉45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s29 | 19s 0 | 4n28 | 3n19 | 1n59 | 2n34 | 1n30 | 8n51 | 1n16 | 16n59 | 0n43 | 13s20 | 2n 3 | 17n20 | 0s18 | 17n26 | 0n17 | 11s 3 | 17s30 | 13s57 | 14s13 | 19n34 | 13n41 | 1s 1 |
| W 2 | 5 53 | 17 13 | 5 0 | 2 50 | 2 1 | 2 4 | 1 30 | 8 37 | 1 16 | 16 57 | 0 43 | 13 22 | 2 3 | 17 20 | 0 18 | 17 26 | 0 17 | 11 3 | 17 30 | 13 57 | 14 12 | 19 34 | 13 40 | 1 1 |
| T 3 | 6 16 | 14 27 | 5 15 | 2 18 | 2 3 | 1 34 | 1 30 | 8 23 | 1 16 | 16 54 | 0 43 | 13 24 | 2 2 | 17 19 | 0 18 | 17 26 | 0 17 | 11 4 | 17 30 | 13 57 | 14 11 | 19 34 | 13 39 | 1 1 |
| F 4 | 6 39 | 10 57 | 5 11 | 1 44 | 2 4 | 1 4 | 1 30 | 8 8 | 1 17 | 16 51 | 0 43 | 13 27 | 2 2 | 17 19 | 0 18 | 17 26 | 0 17 | 11 4 | 17 30 | 13 56 | 14 10 | 19 34 | 13 38 | 1 1 |
| S 5 | 7 2 | 6 56 | 4 50 | 1 8 | 2 3 | 0 34 | 1 30 | 7 54 | 1 17 | 16 49 | 0 44 | 13 29 | 2 2 | 17 18 | 0 18 | 17 25 | 0 17 | 11 4 | 17 29 | 13 56 | 14 9 | 19 35 | 13 37 | 1 2 |
| S 6 | 7 25 | 2 39 | 4 14 | 0 30 | 2 2 | 0 4 | 1 30 | 7 39 | 1 17 | 16 46 | 0 44 | 13 31 | 2 2 | 17 18 | 0 18 | 17 25 | 0 17 | 11 5 | 17 29 | 13 55 | 14 8 | 19 35 | 13 36 | 1 2 |
| M 7 | 7 48 | 1n41 | 3 26 | 0s 9 | 2 1 | 0s26 | 1 30 | 7 25 | 1 17 | 16 44 | 0 44 | 13 33 | 2 2 | 17 17 | 0 18 | 17 25 | 0 17 | 11 5 | 17 29 | 13 54 | 14 7 | 19 35 | 13 35 | 1 2 |
| T 8 | 8 10 | 5 53 | 2 28 | 0 49 | 1 58 | 0 56 | 1 29 | 7 10 | 1 17 | 16 41 | 0 44 | 13 35 | 2 2 | 17 17 | 0 18 | 17 24 | 0 17 | 11 6 | 17 29 | 13 53 | 14 6 | 19 35 | 13 34 | 1 2 |
| W 9 | 8 33 | 9 46 | 1 23 | 1 29 | 1 55 | 1 27 | 1 29 | 6 56 | 1 17 | 16 39 | 0 44 | 13 37 | 2 2 | 17 16 | 0 18 | 17 24 | 0 17 | 11 6 | 17 29 | 13 53 | 14 5 | 19 35 | 13 33 | 1 2 |
| T 10 | 8 55 | 13 9 | 0 16 | 2 11 | 1 52 | 1 57 | 1 28 | 6 41 | 1 17 | 16 37 | 0 45 | 13 40 | 2 2 | 17 15 | 0 18 | 17 24 | 0 17 | 11 6 | 17 29 | 13 53 | 14 4 | 19 35 | 13 32 | 1 2 |
| F 11 | 9 18 | 15 55 | 0s51 | 2 53 | 1 48 | 2 27 | 1 28 | 6 27 | 1 17 | 16 34 | 0 45 | 13 42 | 2 2 | 17 15 | 0 18 | 17 24 | 0 17 | 11 7 | 17 29 | 13 53 | 14 3 | 19 35 | 13 31 | 1 2 |
| S 12 | 9 40 | 17 58 | 1 55 | 3 35 | 1 44 | 2 57 | 1 27 | 6 12 | 1 17 | 16 32 | 0 45 | 13 44 | 2 1 | 17 14 | 0 18 | 17 23 | 0 17 | 11 7 | 17 29 | 13 53 | 14 2 | 19 35 | 13 30 | 1 2 |
| S 13 | 10 2 | 19 11 | 2 53 | 4 18 | 1 39 | 3 27 | 1 26 | 5 57 | 1 17 | 16 30 | 0 45 | 13 46 | 2 1 | 17 13 | 0 18 | 17 23 | 0 17 | 11 7 | 17 29 | 13 53 | 14 1 | 19 35 | 13 29 | 1 2 |
| M14 | 10 24 | 19 34 | 3 44 | 5 1 | 1 34 | 3 57 | 1 26 | 5 43 | 1 17 | 16 27 | 0 45 | 13 48 | 2 1 | 17 13 | 0 18 | 17 23 | 0 17 | 11 8 | 17 29 | 13 54 | 14 0 | 19 35 | 13 28 | 1 3 |
| T 15 | 10 45 | 19 5 | 4 26 | 5 44 | 1 28 | 4 27 | 1 25 | 5 28 | 1 17 | 16 25 | 0 46 | 13 50 | 2 1 | 17 12 | 0 18 | 17 23 | 0 17 | 11 8 | 17 29 | 13 54 | 13 59 | 19 35 | 13 27 | 1 3 |
| W16 | 11 7 | 17 45 | 4 56 | 6 26 | 1 23 | 4 57 | 1 24 | 5 13 | 1 17 | 16 23 | 0 46 | 13 53 | 2 1 | 17 12 | 0 18 | 17 22 | 0 17 | 11 8 | 17 29 | 13 54 | 13 58 | 19 35 | 13 25 | 1 3 |
| T 17 | 11 28 | 15 37 | 5 13 | 7 9 | 1 17 | 5 27 | 1 23 | 4 58 | 1 17 | 16 21 | 0 46 | 13 55 | 2 1 | 17 11 | 0 18 | 17 22 | 0 17 | 11 9 | 17 29 | 13 54 | 13 57 | 19 35 | 13 24 | 1 3 |
| F 18 | 11 50 | 12 46 | 5 17 | 7 51 | 1 11 | 5 57 | 1 22 | 4 44 | 1 17 | 16 19 | 0 46 | 13 57 | 2 1 | 17 10 | 0 18 | 17 22 | 0 17 | 11 9 | 17 28 | 13 54 | 13 56 | 19 35 | 13 23 | 1 3 |
| S 19 | 12 11 | 9 16 | 5 6 | 8 33 | 1 5 | 6 27 | 1 21 | 4 29 | 1 17 | 16 17 | 0 46 | 13 59 | 2 1 | 17 10 | 0 18 | 17 22 | 0 17 | 11 9 | 17 28 | 13 54 | 13 55 | 19 35 | 13 22 | 1 3 |
| S 20 | 12 31 | 5 14 | 4 39 | 9 15 | 0 59 | 6 56 | 1 20 | 4 14 | 1 17 | 16 15 | 0 47 | 14 1 | 2 1 | 17 9 | 0 18 | 17 22 | 0 17 | 11 9 | 17 28 | 13 54 | 13 54 | 19 35 | 13 21 | 1 3 |
| M21 | 12 52 | 0 49 | 3 57 | 9 57 | 0 52 | 7 25 | 1 19 | 3 59 | 1 18 | 16 13 | 0 47 | 14 3 | 2 1 | 17 8 | 0 18 | 17 21 | 0 17 | 11 10 | 17 28 | 13 54 | 13 53 | 19 35 | 13 20 | 1 3 |
| T 22 | 13 13 | 3s48 | 2 59 | 10 37 | 0 46 | 7 55 | 1 17 | 3 44 | 1 18 | 16 11 | 0 47 | 14 6 | 2 1 | 17 8 | 0 18 | 17 21 | 0 17 | 11 10 | 17 28 | 13 54 | 13 52 | 19 35 | 13 19 | 1 3 |
| W23 | 13 33 | 8 21 | 1 49 | 11 18 | 0 39 | 8 24 | 1 16 | 3 29 | 1 18 | 16 9 | 0 47 | 14 8 | 2 1 | 17 7 | 0 18 | 17 21 | 0 17 | 11 10 | 17 28 | 13 54 | 13 50 | 19 35 | 13 18 | 1 3 |
| T 24 | 13 53 | 12 31 | 0 30 | 11 58 | 0 33 | 8 52 | 1 15 | 3 15 | 1 18 | 16 7 | 0 48 | 14 10 | 2 1 | 17 6 | 0 18 | 17 21 | 0 17 | 11 10 | 17 28 | 13 54 | 13 49 | 19 35 | 13 17 | 1 4 |
| F 25 | 14 13 | 15 58 | 0n52 | 12 37 | 0 26 | 9 21 | 1 13 | 3 0 | 1 18 | 16 5 | 0 48 | 14 12 | 2 1 | 17 6 | 0 18 | 17 21 | 0 17 | 11 11 | 17 27 | 13 54 | 13 48 | 19 35 | 13 16 | 1 4 |
| S 26 | 14 32 | 18 22 | 2 11 | 13 16 | 0 19 | 9 49 | 1 12 | 2 45 | 1 18 | 16 3 | 0 48 | 14 14 | 2 1 | 17 5 | 0 18 | 17 21 | 0 17 | 11 11 | 17 27 | 13 54 | 13 47 | 19 35 | 13 15 | 1 4 |
| S 27 | 14 52 | 19 30 | 3 21 | 13 54 | 0 12 | 10 18 | 1 10 | 2 30 | 1 18 | 16 2 | 0 48 | 14 16 | 2 0 | 17 4 | 0 18 | 17 21 | 0 17 | 11 11 | 17 27 | 13 53 | 13 46 | 19 35 | 13 13 | 1 4 |
| M28 | 15 11 | 19 16 | 4 17 | 14 31 | 0 6 | 10 45 | 1 9 | 2 15 | 1 18 | 16 0 | 0 48 | 14 18 | 2 0 | 17 4 | 0 18 | 17 21 | 0 17 | 11 11 | 17 27 | 13 53 | 13 45 | 19 35 | 13 12 | 1 4 |
| T 29 | 15 29 | 17 45 | 4 56 | 15 8 | 0s 1 | 11 13 | 1 7 | 2 0 | 1 18 | 15 58 | 0 49 | 14 21 | 2 0 | 17 3 | 0 18 | 17 20 | 0 17 | 11 12 | 17 27 | 13 53 | 13 44 | 19 35 | 13 11 | 1 4 |
| W30 | 15 48 | 15 10 | 5 15 | 15 44 | 0 8 | 11 41 | 1 5 | 1 45 | 1 18 | 15 57 | 0 49 | 14 23 | 2 0 | 17 2 | 0 18 | 17 20 | 0 17 | 11 12 | 17 26 | 13 53 | 13 43 | 19 35 | 13 10 | 1 4 |
| T 31 | 16s 6 | 11s46 | 5n15 | 16s19 | 0s14 | 12s 8 | 1n 4 | 1n30 | 1n18 | 15n55 | 0n49 | 14s25 | 2n 0 | 17n 2 | 0s18 | 17n20 | 0n17 | 11s12 | 17s26 | 13s53 | 13s42 | 19n35 | 13n 9 | 1s 4 |

Julian Day Number = 2123471.5, Delta T = 17m37s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'05, Lahiri = 11°20'05 Julian Calendar 1 Oct. 1101 == Greg. Calendar 8 Oct. 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## NOVEMBER 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 5 6 | 14♏58'12 | 27♒ 9 | 15♏29 | 5♏54 | 29♍50 | 19♌16 | 14♏50 | 18°R 5 | 12♌46 | 12°R10 | 6♏54 | 6♏18 | 17♊20 | 7°R42 | F 1 |
| S 2 | 3 9 3 | 15°58'52 | 10♓21 | 17° 4 | 7° 9 | 0♎27 | 19°22 | 14°57 | 18♉ 2 | 12°46 | 12♈ 9 | 6°55 | 6°15 | 17°26 | 7♉39 | S 2 |
| S 3 | 3 12 59 | 16°59'33 | 23°15 | 18°39 | 8°25 | 1° 4 | 19°27 | 15° 5 | 18° 0 | 12°46 | 12° 8 | 6°56 | 6°12 | 17°33 | 7°36 | S 3 |
| M 4 | 3 16 56 | 18° 0'15 | 5♈53 | 20°13 | 9°40 | 1°41 | 19°32 | 15°12 | 17°57 | 12°47 | 12° 7 | 6°57 | 6° 8 | 17°40 | 7°33 | M 4 |
| T 5 | 3 20 52 | 19° 0'58 | 18°19 | 21°47 | 10°56 | 2°18 | 19°36 | 15°19 | 17°55 | 12°47 | 12° 7 | 6°58 | 6° 5 | 17°47 | 7°30 | T 5 |
| W 6 | 3 24 49 | 20° 1'43 | 0♉33 | 23°21 | 12°11 | 2°56 | 19°41 | 15°26 | 17°52 | 12°47 | 12° 6 | 6°59 | 6° 2 | 17°53 | 7°27 | W 6 |
| T 7 | 3 28 45 | 21° 2'29 | 12°39 | 24°55 | 13°27 | 3°33 | 19°45 | 15°33 | 17°50 | 12°47 | 12° 5 | 6°R59 | 5°59 | 18° 0 | 7°24 | T 7 |
| F 8 | 3 32 42 | 22° 3'16 | 24°38 | 26°29 | 14°42 | 4°10 | 19°50 | 15°40 | 17°47 | 12°47 | 12° 4 | 6°58 | 5°56 | 18° 7 | 7°21 | F 8 |
| S 9 | 3 36 39 | 23° 4'05 | 6♊32 | 28° 3 | 15°58 | 4°47 | 19°54 | 15°47 | 17°45 | 12°R47 | 12° 3 | 6°56 | 5°52 | 18°13 | 7°18 | S 9 |
| S 10 | 3 40 35 | 24° 4'54 | 18°22 | 29°37 | 17°13 | 5°24 | 19°57 | 15°54 | 17°42 | 12°47 | 12° 2 | 6°54 | 5°49 | 18°20 | 7°15 | S 10 |
| M11 | 3 44 32 | 25° 5'45 | 0♋12 | 1♐10 | 18°29 | 6° 1 | 20° 1 | 16° 1 | 17°40 | 12°47 | 12° 2 | 6°51 | 5°46 | 18°27 | 7°12 | M11 |
| T 12 | 3 48 28 | 26° 6'38 | 12° 3 | 2°44 | 19°44 | 6°38 | 20° 5 | 16° 8 | 17°37 | 12°47 | 12° 1 | 6°48 | 5°43 | 18°33 | 7° 9 | T 12 |
| W13 | 3 52 25 | 27° 7'32 | 23°58 | 4°17 | 21° 0 | 7°16 | 20° 8 | 16°15 | 17°35 | 12°47 | 12° 0 | 6°44 | 5°40 | 18°40 | 7° 6 | W13 |
| T 14 | 3 56 21 | 28° 8'27 | 6♌ 1 | 5°51 | 22°15 | 7°53 | 20°11 | 16°22 | 17°32 | 12°46 | 11°59 | 6°42 | 5°37 | 18°47 | 7° 3 | T 14 |
| F 15 | 4 0 18 | 29° 9'23 | 18°16 | 7°24 | 23°31 | 8°30 | 20°14 | 16°29 | 17°30 | 12°46 | 11°59 | 6°40 | 5°33 | 18°53 | 7° 0 | F 15 |
| S 16 | 4 4 14 | 0♐10'20 | 0♍47 | 8°57 | 24°46 | 9° 7 | 20°17 | 16°36 | 17°28 | 12°46 | 11°58 | 6°D40 | 5°30 | 19° 0 | 6°58 | S 16 |
| S 17 | 4 8 11 | 1°11'19 | 13°38 | 10°31 | 26° 2 | 9°44 | 20°20 | 16°43 | 17°25 | 12°46 | 11°57 | 6°40 | 5°27 | 19° 7 | 6°55 | S 17 |
| M18 | 4 12 8 | 2°12'19 | 26°53 | 12° 4 | 27°17 | 10°21 | 20°22 | 16°50 | 17°23 | 12°45 | 11°56 | 6°42 | 5°24 | 19°13 | 6°52 | M18 |
| T 19 | 4 16 4 | 3°13'21 | 10♎34 | 13°37 | 28°33 | 10°58 | 20°24 | 16°57 | 17°20 | 12°45 | 11°56 | 6°43 | 5°21 | 19°20 | 6°49 | T 19 |
| W20 | 4 20 1 | 4°14'23 | 24°43 | 15°10 | 29°48 | 11°35 | 20°26 | 17° 4 | 17°18 | 12°45 | 11°55 | 6°45 | 5°17 | 19°27 | 6°47 | W20 |
| T 21 | 4 23 57 | 5°15'27 | 9♏19 | 16°43 | 1♐ 4 | 12°12 | 20°28 | 17°11 | 17°15 | 12°44 | 11°54 | 6°R45 | 5°14 | 19°33 | 6°44 | T 21 |
| F 22 | 4 27 54 | 6°16'31 | 24°16 | 18°17 | 2°20 | 12°49 | 20°30 | 17°18 | 17°13 | 12°44 | 11°54 | 6°44 | 5°11 | 19°40 | 6°41 | F 22 |
| S 23 | 4 31 50 | 7°17'37 | 9♐27 | 19°49 | 3°35 | 13°26 | 20°32 | 17°25 | 17°11 | 12°43 | 11°53 | 6°42 | 5° 8 | 19°47 | 6°39 | S 23 |
| S 24 | 4 35 47 | 8°18'43 | 24°43 | 21°22 | 4°51 | 14° 2 | 20°33 | 17°31 | 17° 8 | 12°43 | 11°53 | 6°38 | 5° 5 | 19°53 | 6°36 | S 24 |
| M25 | 4 39 43 | 9°19'50 | 9♑52 | 22°55 | 6° 6 | 14°39 | 20°34 | 17°38 | 17° 6 | 12°42 | 11°52 | 6°33 | 5° 2 | 20° 0 | 6°34 | M25 |
| T 26 | 4 43 40 | 10°20'57 | 24°46 | 24°27 | 7°22 | 15°16 | 20°35 | 17°45 | 17° 4 | 12°42 | 11°52 | 6°28 | 4°58 | 20° 7 | 6°31 | T 26 |
| W27 | 4 47 37 | 11°22'05 | 9♒17 | 25°59 | 8°37 | 15°53 | 20°36 | 17°52 | 17° 2 | 12°41 | 11°51 | 6°23 | 4°55 | 20°14 | 6°29 | W27 |
| T 28 | 4 51 33 | 12°23'13 | 23°21 | 27°30 | 9°53 | 16°30 | 20°36 | 17°58 | 16°59 | 12°41 | 11°51 | 6°20 | 4°52 | 20°20 | 6°26 | T 28 |
| F 29 | 4 55 30 | 13°24'22 | 6♓58 | 29° 1 | 11° 8 | 17° 6 | 20°36 | 18° 5 | 16°57 | 12°40 | 11°50 | 6°18 | 4°49 | 20°27 | 6°24 | F 29 |
| S 30 | 4 59 26 | 14♐25'30 | 20♓ 8 | 0♑31 | 12♐24 | 17♎43 | 20°R37 | 18♏12 | 16♉55 | 12♌39 | 11♈50 | 6°D18 | 4♏46 | 20♊34 | 6♉22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s24 | 7s51 | 4n58 | 16s53 | 0s21 | 12s35 | 1n 2 | 1n15 | 1n18 | 15n54 | 0n49 | 14s27 | 2n 0 | 17n 1 | 0s18 | 17n20 | 0n17 | 11s12 | 17s26 | 13s53 | 13s41 | 19n35 | 13n 8 | 1s 4 |
| S 2 | 16 42 | 3 38 | 4 25 | 17 27 | 0 27 | 13 1 | 1 0 | 1 1 | 1 18 | 15 52 | 0 50 | 14 29 | 2 0 | 17 0 | 0 18 | 17 20 | 0 17 | 11 12 | 17 26 | 13 53 | 13 40 | 19 35 | 13 7 | 1 4 |
| S 3 | 16 59 | 0n40 | 3 40 | 18 0 | 0 34 | 13 27 | 0 58 | 0 46 | 1 18 | 15 51 | 0 50 | 14 31 | 2 0 | 16 59 | 0 18 | 17 20 | 0 17 | 11 12 | 17 26 | 13 54 | 13 39 | 19 35 | 13 6 | 1 4 |
| M 4 | 17 17 | 4 51 | 2 44 | 18 32 | 0 40 | 13 53 | 0 56 | 0 31 | 1 18 | 15 50 | 0 50 | 14 33 | 2 0 | 16 59 | 0 18 | 17 20 | 0 17 | 11 13 | 17 25 | 13 54 | 13 38 | 19 35 | 13 5 | 1 5 |
| T 5 | 17 33 | 8 47 | 1 42 | 19 3 | 0 46 | 14 19 | 0 55 | 0 16 | 1 18 | 15 48 | 0 50 | 14 35 | 2 0 | 16 58 | 0 18 | 17 20 | 0 17 | 11 13 | 17 25 | 13 54 | 13 37 | 19 35 | 13 4 | 1 5 |
| W 6 | 17 50 | 12 16 | 0 36 | 19 33 | 0 52 | 14 44 | 0 53 | 0 1 | 1 18 | 15 47 | 0 51 | 14 37 | 2 0 | 16 57 | 0 18 | 17 20 | 0 17 | 11 13 | 17 25 | 13 54 | 13 36 | 19 34 | 13 3 | 1 5 |
| T 7 | 18 6 | 15 13 | 0s31 | 20 2 | 0 58 | 15 9 | 0 51 | 0s14 | 1 18 | 15 46 | 0 51 | 14 40 | 2 0 | 16 57 | 0 18 | 17 20 | 0 17 | 11 13 | 17 25 | 13 54 | 13 35 | 19 34 | 13 2 | 1 5 |
| F 8 | 18 22 | 17 28 | 1 36 | 20 30 | 1 4 | 15 33 | 0 49 | 0 29 | 1 18 | 15 45 | 0 51 | 14 42 | 2 0 | 16 56 | 0 18 | 17 20 | 0 18 | 11 13 | 17 24 | 13 54 | 13 34 | 19 34 | 13 0 | 1 5 |
| S 9 | 18 38 | 18 56 | 2 36 | 20 57 | 1 10 | 15 57 | 0 47 | 0 43 | 1 18 | 15 44 | 0 51 | 14 44 | 2 0 | 16 55 | 0 18 | 17 20 | 0 18 | 11 13 | 17 24 | 13 54 | 13 33 | 19 34 | 12 59 | 1 5 |
| S 10 | 18 53 | 19 34 | 3 29 | 21 24 | 1 16 | 16 21 | 0 44 | 0 58 | 1 18 | 15 43 | 0 52 | 14 46 | 2 0 | 16 55 | 0 18 | 17 20 | 0 18 | 11 13 | 17 24 | 13 53 | 13 32 | 19 34 | 12 58 | 1 5 |
| M11 | 19 8 | 19 20 | 4 13 | 21 49 | 1 21 | 16 44 | 0 42 | 1 13 | 1 18 | 15 42 | 0 52 | 14 48 | 2 0 | 16 54 | 0 18 | 17 20 | 0 18 | 11 13 | 17 24 | 13 52 | 13 30 | 19 34 | 12 57 | 1 5 |
| T 12 | 19 22 | 18 15 | 4 46 | 22 13 | 1 26 | 17 7 | 0 40 | 1 28 | 1 18 | 15 41 | 0 52 | 14 50 | 2 0 | 16 53 | 0 18 | 17 20 | 0 18 | 11 13 | 17 23 | 13 51 | 13 29 | 19 34 | 12 56 | 1 5 |
| W13 | 19 37 | 16 22 | 5 7 | 22 36 | 1 31 | 17 29 | 0 38 | 1 43 | 1 17 | 15 40 | 0 52 | 14 52 | 2 0 | 16 53 | 0 18 | 17 20 | 0 18 | 11 13 | 17 23 | 13 50 | 13 28 | 19 34 | 12 55 | 1 5 |
| T 14 | 19 50 | 13 46 | 5 15 | 22 58 | 1 36 | 17 51 | 0 36 | 1 57 | 1 17 | 15 39 | 0 53 | 14 54 | 2 0 | 16 52 | 0 18 | 17 20 | 0 18 | 11 13 | 17 23 | 13 49 | 13 27 | 19 34 | 12 54 | 1 5 |
| F 15 | 20 4 | 10 32 | 5 9 | 23 18 | 1 41 | 18 12 | 0 34 | 2 12 | 1 17 | 15 39 | 0 53 | 14 56 | 2 0 | 16 51 | 0 18 | 17 20 | 0 18 | 11 13 | 17 23 | 13 48 | 13 26 | 19 34 | 12 53 | 1 5 |
| S 16 | 20 17 | 6 46 | 4 48 | 23 38 | 1 45 | 18 33 | 0 31 | 2 27 | 1 17 | 15 38 | 0 53 | 14 58 | 2 0 | 16 50 | 0 18 | 17 21 | 0 18 | 11 13 | 17 22 | 13 48 | 13 25 | 19 34 | 12 52 | 1 5 |
| S 17 | 20 30 | 2 35 | 4 12 | 23 56 | 1 50 | 18 53 | 0 29 | 2 41 | 1 17 | 15 37 | 0 53 | 15 0 | 2 0 | 16 50 | 0 18 | 17 21 | 0 18 | 11 13 | 17 22 | 13 48 | 13 24 | 19 34 | 12 51 | 1 5 |
| M18 | 20 42 | 1s50 | 3 22 | 24 13 | 1 54 | 19 13 | 0 27 | 2 56 | 1 17 | 15 37 | 0 54 | 15 2 | 2 0 | 16 49 | 0 18 | 17 21 | 0 18 | 11 13 | 17 22 | 13 49 | 13 23 | 19 33 | 12 50 | 1 5 |
| T 19 | 20 54 | 6 20 | 2 19 | 24 29 | 1 57 | 19 32 | 0 24 | 3 11 | 1 17 | 15 36 | 0 54 | 15 4 | 2 0 | 16 48 | 0 18 | 17 21 | 0 18 | 11 13 | 17 21 | 13 49 | 13 22 | 19 33 | 12 49 | 1 6 |
| W20 | 21 6 | 10 38 | 1 6 | 24 43 | 2 1 | 19 51 | 0 22 | 3 25 | 1 17 | 15 36 | 0 54 | 15 6 | 2 0 | 16 48 | 0 18 | 17 21 | 0 18 | 11 13 | 17 21 | 13 50 | 13 21 | 19 33 | 12 49 | 1 6 |
| T 21 | 21 17 | 14 27 | 0n14 | 24 56 | 2 4 | 20 9 | 0 20 | 3 40 | 1 17 | 15 36 | 0 54 | 15 7 | 2 0 | 16 47 | 0 18 | 17 21 | 0 18 | 11 13 | 17 21 | 13 50 | 13 20 | 19 33 | 12 48 | 1 6 |
| F 22 | 21 28 | 17 24 | 1 35 | 25 8 | 2 7 | 20 26 | 0 17 | 3 54 | 1 17 | 15 35 | 0 55 | 15 9 | 2 0 | 16 46 | 0 18 | 17 21 | 0 18 | 11 13 | 17 21 | 13 50 | 13 19 | 19 33 | 12 47 | 1 6 |
| S 23 | 21 38 | 19 11 | 2 50 | 25 18 | 2 9 | 20 43 | 0 15 | 4 9 | 1 17 | 15 35 | 0 55 | 15 11 | 2 0 | 16 46 | 0 18 | 17 21 | 0 18 | 11 13 | 17 20 | 13 49 | 13 18 | 19 33 | 12 46 | 1 6 |
| S 24 | 21 48 | 19 34 | 3 53 | 25 27 | 2 11 | 21 0 | 0 13 | 4 23 | 1 17 | 15 35 | 0 55 | 15 13 | 2 0 | 16 45 | 0 18 | 17 22 | 0 18 | 11 13 | 17 20 | 13 48 | 13 17 | 19 33 | 12 45 | 1 6 |
| M25 | 21 57 | 18 33 | 4 39 | 25 34 | 2 13 | 21 16 | 0 10 | 4 37 | 1 17 | 15 35 | 0 55 | 15 15 | 2 0 | 16 45 | 0 18 | 17 22 | 0 18 | 11 13 | 17 20 | 13 46 | 13 16 | 19 33 | 12 44 | 1 6 |
| T 26 | 22 6 | 16 16 | 5 6 | 25 40 | 2 14 | 21 31 | 0 8 | 4 52 | 1 17 | 15 35 | 0 56 | 15 17 | 2 0 | 16 44 | 0 17 | 17 22 | 0 18 | 11 13 | 17 19 | 13 44 | 13 14 | 19 32 | 12 43 | 1 6 |
| W27 | 22 15 | 13 0 | 5 12 | 25 44 | 2 15 | 21 45 | 0 6 | 5 6 | 1 17 | 15 35 | 0 56 | 15 19 | 2 0 | 16 43 | 0 17 | 17 22 | 0 18 | 11 13 | 17 19 | 13 43 | 13 13 | 19 32 | 12 42 | 1 6 |
| T 28 | 22 23 | 9 6 | 4 59 | 25 47 | 2 15 | 21 59 | 0 3 | 5 20 | 1 16 | 15 35 | 0 56 | 15 20 | 2 0 | 16 43 | 0 17 | 17 22 | 0 18 | 11 13 | 17 19 | 13 42 | 13 12 | 19 32 | 12 41 | 1 6 |
| F 29 | 22 31 | 4 50 | 4 29 | 25 48 | 2 15 | 22 12 | 0 1 | 5 35 | 1 16 | 15 35 | 0 57 | 15 22 | 2 0 | 16 42 | 0 17 | 17 22 | 0 18 | 11 13 | 17 18 | 13 41 | 13 11 | 19 32 | 12 41 | 1 6 |
| S 30 | 22s38 | 0s28 | 3n46 | 25s47 | 2s14 | 22s25 | 0s 2 | 5s49 | 1n16 | 15n35 | 0n57 | 15s24 | 2n 0 | 16n41 | 0s17 | 17n23 | 0n18 | 11s13 | 17s18 | 13s41 | 13s10 | 19n32 | 12n40 | 1s 6 |

Julian Day Number = 2123502.5, Delta T = 17m36s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'09, Lahiri = 11°20'09 Julian Calendar 1 Nov. 1101 == Greg. Calendar 8 Nov. 1101


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# ASTRODIENST EPHEMERIS for the year 1101
# geocentric

## DECEMBER 1101 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 3 23 | 15♐26'39 | 2♈55 | 2♑ 1 | 13♐40 | 18♎20 | 20°R37 | 18♏18 | 16°R53 | 12°R39 | 11°R49 | 6♏20 | 4♏43 | 20♊40 | 6°R19 | S 1 |
| M 2 | 5 7 19 | 16°27'48 | 15°23 | 3°29 | 14°55 | 18°57 | 20♌36 | 18°25 | 16♉51 | 12♌38 | 11♈49 | 6°21 | 4°39 | 20°47 | 6♉17 | M 2 |
| T 3 | 5 11 16 | 17°28'57 | 27°36 | 4°56 | 16°11 | 19°33 | 20°36 | 18°32 | 16°49 | 12°37 | 11°48 | 6°23 | 4°36 | 20°54 | 6°15 | T 3 |
| W 4 | 5 15 12 | 18°30'06 | 9♉39 | 6°22 | 17°26 | 20°10 | 20°35 | 18°38 | 16°47 | 12°36 | 11°48 | 6°R23 | 4°33 | 21° 0 | 6°13 | W 4 |
| T 5 | 5 19 9 | 19°31'16 | 21°35 | 7°46 | 18°42 | 20°46 | 20°34 | 18°44 | 16°45 | 12°35 | 11°48 | 6°22 | 4°30 | 21° 7 | 6°11 | T 5 |
| F 6 | 5 23 6 | 20°32'25 | 3♊27 | 9° 8 | 19°57 | 21°23 | 20°33 | 18°51 | 16°43 | 12°35 | 11°47 | 6°18 | 4°27 | 21°14 | 6° 9 | F 6 |
| S 7 | 5 27 2 | 21°33'35 | 15°17 | 10°27 | 21°13 | 22° 0 | 20°32 | 18°57 | 16°41 | 12°34 | 11°47 | 6°12 | 4°23 | 21°20 | 6° 7 | S 7 |
| S 8 | 5 30 59 | 22°34'46 | 27° 7 | 11°44 | 22°28 | 22°36 | 20°31 | 19° 4 | 16°39 | 12°33 | 11°47 | 6° 4 | 4°20 | 21°27 | 6° 5 | S 8 |
| M 9 | 5 34 55 | 23°35'56 | 8♋59 | 12°57 | 23°44 | 23°13 | 20°29 | 19°10 | 16°37 | 12°32 | 11°47 | 5°55 | 4°17 | 21°34 | 6° 3 | M 9 |
| T 10 | 5 38 52 | 24°37'06 | 20°55 | 14° 6 | 24°59 | 23°49 | 20°27 | 19°16 | 16°35 | 12°31 | 11°46 | 5°45 | 4°14 | 21°40 | 6° 1 | T 10 |
| W11 | 5 42 48 | 25°38'17 | 2♌56 | 15°11 | 26°15 | 24°25 | 20°25 | 19°22 | 16°33 | 12°30 | 11°46 | 5°35 | 4°11 | 21°47 | 5°59 | W11 |
| T 12 | 5 46 45 | 26°39'28 | 15° 4 | 16°10 | 27°30 | 25° 2 | 20°23 | 19°29 | 16°32 | 12°29 | 11°46 | 5°27 | 4° 8 | 21°54 | 5°58 | T 12 |
| F 13 | 5 50 42 | 27°40'39 | 27°21 | 17° 3 | 28°46 | 25°38 | 20°21 | 19°35 | 16°30 | 12°28 | 11°46 | 5°20 | 4° 4 | 22° 1 | 5°56 | F 13 |
| S 14 | 5 54 38 | 28°41'51 | 9♍52 | 17°49 | 0♑ 1 | 26°15 | 20°18 | 19°41 | 16°28 | 12°27 | 11°46 | 5°16 | 4° 1 | 22° 7 | 5°55 | S 14 |
| S 15 | 5 58 35 | 29°43'02 | 22°38 | 18°27 | 1°17 | 26°51 | 20°15 | 19°47 | 16°27 | 12°25 | 11°45 | 5°14 | 3°58 | 22°14 | 5°53 | S 15 |
| M16 | 6 2 31 | 0♑44'14 | 5♎44 | 18°57 | 2°32 | 27°27 | 20°12 | 19°53 | 16°25 | 12°24 | 11°45 | 5°D14 | 3°55 | 22°21 | 5°51 | M16 |
| T 17 | 6 6 28 | 1°45'26 | 19°13 | 19°17 | 3°48 | 28° 3 | 20° 9 | 19°59 | 16°23 | 12°23 | 11°45 | 5°14 | 3°52 | 22°27 | 5°50 | T 17 |
| W18 | 6 10 24 | 2°46'38 | 3♏ 8 | 19°R26 | 5° 3 | 28°40 | 20° 6 | 20° 4 | 16°22 | 12°22 | 11°45 | 5°R15 | 3°49 | 22°34 | 5°49 | W18 |
| T 19 | 6 14 21 | 3°47'51 | 17°30 | 19°24 | 6°18 | 29°16 | 20° 2 | 20°10 | 16°20 | 12°21 | 11°45 | 5°15 | 3°45 | 22°41 | 5°47 | T 19 |
| F 20 | 6 18 17 | 4°49'03 | 2♐16 | 19°11 | 7°34 | 29°52 | 19°59 | 20°16 | 16°19 | 12°19 | 11°D45 | 5°12 | 3°42 | 22°47 | 5°46 | F 20 |
| S 21 | 6 22 14 | 5°50'15 | 17°22 | 18°46 | 8°49 | 0♏28 | 19°55 | 20°22 | 16°17 | 12°18 | 11°45 | 5° 6 | 3°39 | 22°54 | 5°45 | S 21 |
| S 22 | 6 26 11 | 6°51'28 | 2♑38 | 18° 9 | 10° 5 | 1° 4 | 19°51 | 20°27 | 16°16 | 12°17 | 11°45 | 4°58 | 3°36 | 23° 1 | 5°44 | S 22 |
| M23 | 6 30 7 | 7°52'39 | 17°55 | 17°21 | 11°20 | 1°40 | 19°46 | 20°33 | 16°15 | 12°16 | 11°45 | 4°49 | 3°33 | 23° 7 | 5°43 | M23 |
| T 24 | 6 34 4 | 8°53'51 | 3♒ 0 | 16°23 | 12°36 | 2°16 | 19°42 | 20°38 | 16°14 | 12°14 | 11°45 | 4°38 | 3°29 | 23°14 | 5°42 | T 24 |
| W25 | 6 38 0 | 9°55'01 | 17°45 | 15°16 | 13°51 | 2°52 | 19°38 | 20°44 | 16°12 | 12°13 | 11°45 | 4°29 | 3°26 | 23°21 | 5°41 | W25 |
| T 26 | 6 41 57 | 10°56'11 | 2♓ 2 | 14° 3 | 15° 7 | 3°28 | 19°33 | 20°49 | 16°11 | 12°12 | 11°46 | 4°21 | 3°23 | 23°28 | 5°40 | T 26 |
| F 27 | 6 45 53 | 11°57'20 | 15°49 | 12°46 | 16°22 | 4° 4 | 19°28 | 20°55 | 16°10 | 12°10 | 11°46 | 4°16 | 3°20 | 23°34 | 5°39 | F 27 |
| S 28 | 6 49 50 | 12°58'29 | 29° 6 | 11°28 | 17°37 | 4°40 | 19°23 | 21° 0 | 16° 9 | 12° 9 | 11°46 | 4°13 | 3°17 | 23°41 | 5°38 | S 28 |
| S 29 | 6 53 46 | 13°59'36 | 11♈56 | 10°10 | 18°53 | 5°16 | 19°18 | 21° 5 | 16° 8 | 12° 7 | 11°46 | 4°D12 | 3°14 | 23°48 | 5°38 | S 29 |
| M30 | 6 57 43 | 15° 0'43 | 24°24 | 8°55 | 20° 8 | 5°51 | 19°12 | 21°10 | 16° 7 | 12° 6 | 11°46 | 4°12 | 3°10 | 23°54 | 5°37 | M30 |
| T 31 | 7 1 40 | 16♑ 1'48 | 6♉34 | 7♑45 | 21♑24 | 6♏27 | 19♌ 7 | 21♏15 | 16♉ 6 | 12♌ 4 | 11♈47 | 4°R12 | 3♏ 7 | 24♊ 1 | 5♉37 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s45 | 3n48 | 2n52 | 25s45 | 2s13 | 22s37 | 0s 4 | 6s 3 | 1n16 | 15n35 | 0n57 | 15s26 | 2n 1 | 16n41 | 0s17 | 17n23 | 0n18 | 11s12 | 17s18 | 13s42 | 13s 9 | 19n32 | 12n39 | 1s 6 |
| M 2 | 22 52 | 7 48 | 1 52 | 25 42 | 2 11 | 22 48 | 0 6 | 6 17 | 1 16 | 15 36 | 0 57 | 15 28 | 2 1 | 16 40 | 0 17 | 17 23 | 0 18 | 11 12 | 17 17 | 13 42 | 13 8 | 19 32 | 12 38 | 1 6 |
| T 3 | 22 58 | 11 25 | 0 48 | 25 36 | 2 9 | 22 59 | 0 9 | 6 31 | 1 16 | 15 36 | 0 58 | 15 29 | 2 1 | 16 40 | 0 17 | 17 23 | 0 18 | 11 12 | 17 17 | 13 43 | 13 7 | 19 31 | 12 38 | 1 6 |
| W 4 | 23 3 | 14 30 | 0s18 | 25 29 | 2 5 | 23 8 | 0 11 | 6 45 | 1 16 | 15 37 | 0 58 | 15 31 | 2 1 | 16 39 | 0 17 | 17 24 | 0 18 | 11 12 | 17 17 | 13 43 | 13 6 | 19 31 | 12 37 | 1 6 |
| T 5 | 23 8 | 16 56 | 1 22 | 25 21 | 2 2 | 23 18 | 0 13 | 6 59 | 1 16 | 15 37 | 0 58 | 15 33 | 2 1 | 16 39 | 0 17 | 17 24 | 0 18 | 11 12 | 17 16 | 13 42 | 13 5 | 19 31 | 12 36 | 1 6 |
| F 6 | 23 13 | 18 38 | 2 21 | 25 11 | 1 57 | 23 26 | 0 16 | 7 13 | 1 16 | 15 38 | 0 58 | 15 34 | 2 1 | 16 38 | 0 17 | 17 24 | 0 18 | 11 12 | 17 16 | 13 41 | 13 4 | 19 31 | 12 35 | 1 6 |
| S 7 | 23 17 | 19 31 | 3 15 | 24 59 | 1 51 | 23 34 | 0 18 | 7 26 | 1 15 | 15 38 | 0 59 | 15 36 | 2 1 | 16 38 | 0 17 | 17 24 | 0 18 | 11 11 | 17 16 | 13 39 | 13 3 | 19 31 | 12 35 | 1 6 |
| S 8 | 23 21 | 19 32 | 3 59 | 24 46 | 1 45 | 23 41 | 0 21 | 7 40 | 1 15 | 15 39 | 0 59 | 15 38 | 2 1 | 16 37 | 0 17 | 17 25 | 0 18 | 11 11 | 17 15 | 13 37 | 13 2 | 19 31 | 12 34 | 1 6 |
| M 9 | 23 24 | 18 42 | 4 34 | 24 32 | 1 37 | 23 47 | 0 23 | 7 54 | 1 15 | 15 40 | 0 59 | 15 39 | 2 1 | 16 36 | 0 17 | 17 25 | 0 18 | 11 11 | 17 15 | 13 33 | 13 1 | 19 30 | 12 33 | 1 6 |
| T 10 | 23 27 | 17 2 | 4 56 | 24 17 | 1 29 | 23 53 | 0 25 | 8 8 | 1 15 | 15 41 | 0 59 | 15 41 | 2 1 | 16 36 | 0 17 | 17 25 | 0 18 | 11 11 | 17 15 | 13 30 | 12 59 | 19 30 | 12 33 | 1 6 |
| W11 | 23 29 | 14 38 | 5 6 | 24 0 | 1 19 | 23 57 | 0 27 | 8 21 | 1 15 | 15 42 | 1 0 | 15 43 | 2 1 | 16 35 | 0 17 | 17 26 | 0 18 | 11 10 | 17 14 | 13 27 | 12 58 | 19 30 | 12 32 | 1 7 |
| T 12 | 23 31 | 11 35 | 5 2 | 23 42 | 1 9 | 24 1 | 0 30 | 8 35 | 1 15 | 15 43 | 1 0 | 15 44 | 2 1 | 16 35 | 0 17 | 17 26 | 0 18 | 11 10 | 17 14 | 13 24 | 12 57 | 19 30 | 12 32 | 1 7 |
| F 13 | 23 32 | 8 0 | 4 44 | 23 24 | 0 57 | 24 5 | 0 32 | 8 48 | 1 14 | 15 44 | 1 0 | 15 46 | 2 1 | 16 34 | 0 17 | 17 26 | 0 18 | 11 10 | 17 13 | 13 22 | 12 56 | 19 30 | 12 31 | 1 7 |
| S 14 | 23 33 | 4 0 | 4 13 | 23 6 | 0 44 | 24 7 | 0 34 | 9 1 | 1 14 | 15 45 | 1 0 | 15 47 | 2 1 | 16 34 | 0 17 | 17 27 | 0 18 | 11 10 | 17 13 | 13 20 | 12 55 | 19 29 | 12 30 | 1 7 |
| S 15 | 23 33 | 0s15 | 3 28 | 22 46 | 0 30 | 24 9 | 0 36 | 9 15 | 1 14 | 15 46 | 1 1 | 15 49 | 2 1 | 16 34 | 0 17 | 17 27 | 0 18 | 11 9 | 17 13 | 13 20 | 12 54 | 19 29 | 12 30 | 1 7 |
| M16 | 23 33 | 4 36 | 2 31 | 22 27 | 0 15 | 24 10 | 0 38 | 9 28 | 1 14 | 15 47 | 1 1 | 15 50 | 2 2 | 16 33 | 0 17 | 17 27 | 0 18 | 11 9 | 17 12 | 13 20 | 12 53 | 19 29 | 12 29 | 1 7 |
| T 17 | 23 33 | 8 52 | 1 25 | 22 8 | 0n 1 | 24 10 | 0 41 | 9 41 | 1 14 | 15 48 | 1 1 | 15 52 | 2 2 | 16 33 | 0 17 | 17 28 | 0 18 | 11 9 | 17 12 | 13 20 | 12 52 | 19 29 | 12 29 | 1 7 |
| W18 | 23 31 | 12 48 | 0 11 | 21 50 | 0 18 | 24 10 | 0 43 | 9 54 | 1 14 | 15 50 | 1 2 | 15 53 | 2 2 | 16 32 | 0 17 | 17 28 | 0 18 | 11 8 | 17 12 | 13 20 | 12 51 | 19 29 | 12 28 | 1 7 |
| T 19 | 23 30 | 16 6 | 1n 5 | 21 32 | 0 37 | 24 9 | 0 45 | 10 7 | 1 13 | 15 51 | 1 2 | 15 55 | 2 2 | 16 32 | 0 17 | 17 28 | 0 18 | 11 8 | 17 11 | 13 20 | 12 50 | 19 28 | 12 28 | 1 7 |
| F 20 | 23 28 | 18 26 | 2 19 | 21 16 | 0 55 | 24 7 | 0 47 | 10 20 | 1 13 | 15 52 | 1 2 | 15 56 | 2 2 | 16 31 | 0 17 | 17 29 | 0 18 | 11 8 | 17 11 | 13 19 | 12 49 | 19 28 | 12 27 | 1 7 |
| S 21 | 23 25 | 19 33 | 3 25 | 21 0 | 1 15 | 24 4 | 0 49 | 10 33 | 1 13 | 15 54 | 1 2 | 15 58 | 2 2 | 16 31 | 0 17 | 17 29 | 0 18 | 11 7 | 17 11 | 13 17 | 12 48 | 19 28 | 12 27 | 1 7 |
| S 22 | 23 22 | 19 15 | 4 17 | 20 46 | 1 34 | 24 1 | 0 51 | 10 46 | 1 13 | 15 55 | 1 3 | 15 59 | 2 2 | 16 31 | 0 17 | 17 29 | 0 18 | 11 7 | 17 10 | 13 14 | 12 46 | 19 28 | 12 27 | 1 7 |
| M23 | 23 19 | 17 33 | 4 51 | 20 34 | 1 53 | 23 56 | 0 53 | 10 59 | 1 12 | 15 57 | 1 3 | 16 1 | 2 2 | 16 30 | 0 17 | 17 30 | 0 18 | 11 7 | 17 10 | 13 11 | 12 45 | 19 27 | 12 26 | 1 7 |
| T 24 | 23 15 | 14 39 | 5 3 | 20 23 | 2 11 | 23 52 | 0 55 | 11 11 | 1 12 | 15 58 | 1 3 | 16 2 | 2 2 | 16 30 | 0 17 | 17 30 | 0 18 | 11 6 | 17 9 | 13 8 | 12 44 | 19 27 | 12 26 | 1 7 |
| W25 | 23 11 | 10 54 | 4 55 | 20 13 | 2 28 | 23 46 | 0 56 | 11 24 | 1 12 | 16 0 | 1 3 | 16 3 | 2 2 | 16 30 | 0 17 | 17 31 | 0 18 | 11 6 | 17 9 | 13 4 | 12 43 | 19 27 | 12 26 | 1 7 |
| T 26 | 23 6 | 6 37 | 4 29 | 20 6 | 2 44 | 23 39 | 0 58 | 11 36 | 1 12 | 16 2 | 1 3 | 16 5 | 2 3 | 16 29 | 0 17 | 17 31 | 0 18 | 11 6 | 17 9 | 13 2 | 12 42 | 19 27 | 12 25 | 1 7 |
| F 27 | 23 1 | 2 7 | 3 48 | 20 0 | 2 57 | 23 32 | 1 0 | 11 49 | 1 11 | 16 4 | 1 4 | 16 6 | 2 3 | 16 29 | 0 17 | 17 31 | 0 19 | 11 5 | 17 8 | 13 0 | 12 41 | 19 26 | 12 25 | 1 7 |
| S 28 | 22 55 | 2n19 | 2 55 | 19 55 | 3 9 | 23 24 | 1 2 | 12 1 | 1 11 | 16 5 | 1 4 | 16 7 | 2 3 | 16 29 | 0 17 | 17 32 | 0 19 | 11 5 | 17 8 | 12 59 | 12 40 | 19 26 | 12 25 | 1 7 |
| S 29 | 22 49 | 6 31 | 1 56 | 19 53 | 3 18 | 23 16 | 1 3 | 12 13 | 1 11 | 16 7 | 1 4 | 16 8 | 2 3 | 16 28 | 0 17 | 17 32 | 0 19 | 11 4 | 17 8 | 12 59 | 12 39 | 19 26 | 12 24 | 1 7 |
| M30 | 22 42 | 10 18 | 0 52 | 19 52 | 3 24 | 23 6 | 1 5 | 12 25 | 1 11 | 16 9 | 1 4 | 16 10 | 2 3 | 16 28 | 0 17 | 17 33 | 0 19 | 11 4 | 17 7 | 12 59 | 12 38 | 19 26 | 12 24 | 1 7 |
| T 31 | 22s35 | 13n35 | 0s13 | 19s52 | 3n28 | 22s56 | 1s 7 | 12s38 | 1n10 | 16n11 | 1n 5 | 16s11 | 2n 3 | 16n28 | 0s17 | 17n33 | 0n19 | 11s 4 | 17s 7 | 12s59 | 12s37 | 19n25 | 12n24 | 1s 7 |

Julian Day Number = 2123532.5, Delta T = 17m36s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'13, Lahiri = 11°20'13 Julian Calendar 1 Dec. 1101 == Greg. Calendar 8 Dec. 1101


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## JANUARY 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 5 36 | 17♑ 2'53 | 18♉33 | 6°R42 | 22♑39 | 7♏ 3 | 19°R 1 | 21♏20 | 16°R 5 | 12°R 3 | 11♈47 | 4°R11 | 3♏ 4 | 24♊ 8 | 5°R36 | W 1 |
| T 2 | 7 9 33 | 18° 3'57 | 0♊24 | 5♑47 | 23°54 | 7°38 | 18♌55 | 21°25 | 16♉ 4 | 12♌ 1 | 11°47 | 4♏ 8 | 3° 1 | 24°14 | 5♉36 | T 2 |
| F 3 | 7 13 29 | 19° 5'00 | 12°12 | 5° 1 | 25°10 | 8°14 | 18°49 | 21°30 | 16° 4 | 12° 0 | 11°47 | 4° 2 | 2°58 | 24°21 | 5°35 | F 3 |
| S 4 | 7 17 26 | 20° 6'02 | 24° 1 | 4°23 | 26°25 | 8°49 | 18°43 | 21°35 | 16° 3 | 11°58 | 11°48 | 3°53 | 2°55 | 24°28 | 5°35 | S 4 |
| S 5 | 7 21 22 | 21° 7'03 | 5♋54 | 3°55 | 27°40 | 9°25 | 18°37 | 21°40 | 16° 2 | 11°57 | 11°48 | 3°42 | 2°51 | 24°34 | 5°35 | S 5 |
| M 6 | 7 25 19 | 22° 8'03 | 17°51 | 3°35 | 28°56 | 10° 0 | 18°31 | 21°44 | 16° 1 | 11°55 | 11°48 | 3°28 | 2°48 | 24°41 | 5°35 | M 6 |
| T 7 | 7 29 15 | 23° 9'02 | 29°55 | 3°25 | 0♒11 | 10°35 | 18°24 | 21°49 | 16° 1 | 11°54 | 11°49 | 3°13 | 2°45 | 24°48 | 5°34 | T 7 |
| W 8 | 7 33 12 | 24°10'00 | 12♌ 7 | 3°D23 | 1°26 | 11°11 | 18°18 | 21°53 | 16° 0 | 11°52 | 11°49 | 2°59 | 2°42 | 24°55 | 5°D34 | W 8 |
| T 9 | 7 37 9 | 25°10'57 | 24°26 | 3°28 | 2°41 | 11°46 | 18°11 | 21°58 | 16° 0 | 11°51 | 11°50 | 2°46 | 2°39 | 25° 1 | 5°34 | T 9 |
| F 10 | 7 41 5 | 26°11'54 | 6♍55 | 3°41 | 3°57 | 12°21 | 18° 4 | 22° 2 | 15°59 | 11°49 | 11°50 | 2°36 | 2°35 | 25° 8 | 5°35 | F 10 |
| S 11 | 7 45 2 | 27°12'49 | 19°34 | 4° 0 | 5°12 | 12°56 | 17°57 | 22° 6 | 15°59 | 11°47 | 11°51 | 2°28 | 2°32 | 25°15 | 5°35 | S 11 |
| S 12 | 7 48 58 | 28°13'44 | 2♎25 | 4°26 | 6°27 | 13°31 | 17°50 | 22°11 | 15°59 | 11°46 | 11°51 | 2°24 | 2°29 | 25°21 | 5°35 | S 12 |
| M13 | 7 52 55 | 29°14'37 | 15°32 | 4°57 | 7°42 | 14° 6 | 17°43 | 22°15 | 15°59 | 11°44 | 11°52 | 2°22 | 2°26 | 25°28 | 5°35 | M13 |
| T 14 | 7 56 51 | 0♒15'30 | 28°56 | 5°33 | 8°57 | 14°41 | 17°36 | 22°19 | 15°58 | 11°43 | 11°52 | 2°22 | 2°23 | 25°35 | 5°36 | T 14 |
| W15 | 8 0 48 | 1°16'22 | 12♏40 | 6°14 | 10°13 | 15°16 | 17°28 | 22°23 | 15°58 | 11°41 | 11°53 | 2°21 | 2°20 | 25°41 | 5°36 | W15 |
| T 16 | 8 4 44 | 2°17'14 | 26°46 | 6°59 | 11°28 | 15°51 | 17°21 | 22°26 | 15°58 | 11°39 | 11°53 | 2°20 | 2°16 | 25°48 | 5°36 | T 16 |
| F 17 | 8 8 41 | 3°18'04 | 11♐13 | 7°48 | 12°43 | 16°26 | 17°14 | 22°30 | 15°D58 | 11°38 | 11°54 | 2°17 | 2°13 | 25°55 | 5°37 | F 17 |
| S 18 | 8 12 38 | 4°18'53 | 25°58 | 8°41 | 13°58 | 17° 1 | 17° 6 | 22°34 | 15°58 | 11°36 | 11°55 | 2°10 | 2°10 | 26° 1 | 5°38 | S 18 |
| S 19 | 8 16 34 | 5°19'42 | 10♑57 | 9°37 | 15°13 | 17°35 | 16°58 | 22°38 | 15°58 | 11°34 | 11°55 | 2° 1 | 2° 7 | 26° 8 | 5°38 | S 19 |
| M20 | 8 20 31 | 6°20'29 | 26° 0 | 10°35 | 16°28 | 18°10 | 16°51 | 22°41 | 15°58 | 11°33 | 11°56 | 1°50 | 2° 4 | 26°15 | 5°39 | M20 |
| T 21 | 8 24 27 | 7°21'14 | 10♒57 | 11°37 | 17°43 | 18°44 | 16°43 | 22°45 | 15°58 | 11°31 | 11°57 | 1°38 | 2° 1 | 26°22 | 5°40 | T 21 |
| W22 | 8 28 24 | 8°21'58 | 25°40 | 12°41 | 18°59 | 19°19 | 16°35 | 22°48 | 15°59 | 11°29 | 11°57 | 1°27 | 1°57 | 26°28 | 5°41 | W22 |
| T 23 | 8 32 20 | 9°22'41 | 10♓ 0 | 13°48 | 20°14 | 19°53 | 16°28 | 22°51 | 15°59 | 11°28 | 11°58 | 1°17 | 1°54 | 26°35 | 5°42 | T 23 |
| F 24 | 8 36 17 | 10°23'22 | 23°52 | 14°56 | 21°29 | 20°27 | 16°20 | 22°54 | 15°59 | 11°26 | 11°59 | 1° 9 | 1°51 | 26°42 | 5°43 | F 24 |
| S 25 | 8 40 13 | 11°24'02 | 7♈15 | 16° 7 | 22°44 | 21° 2 | 16°12 | 22°57 | 15°59 | 11°24 | 11°59 | 1° 5 | 1°48 | 26°48 | 5°44 | S 25 |
| S 26 | 8 44 10 | 12°24'39 | 20°11 | 17°19 | 23°59 | 21°36 | 16° 4 | 23° 0 | 16° 0 | 11°22 | 12° 0 | 1° 3 | 1°45 | 26°55 | 5°45 | S 26 |
| M27 | 8 48 7 | 13°25'15 | 2♉44 | 18°33 | 25°14 | 22°10 | 15°56 | 23° 3 | 16° 0 | 11°21 | 12° 1 | 1°D 3 | 1°41 | 27° 2 | 5°46 | M27 |
| T 28 | 8 52 3 | 14°25'49 | 14°57 | 19°49 | 26°29 | 22°44 | 15°48 | 23° 6 | 16° 1 | 11°19 | 12° 2 | 1°R 3 | 1°38 | 27° 8 | 5°47 | T 28 |
| W29 | 8 56 0 | 15°26'21 | 26°57 | 21° 6 | 27°44 | 23°18 | 15°40 | 23° 9 | 16° 2 | 11°17 | 12° 3 | 1° 2 | 1°35 | 27°15 | 5°48 | W29 |
| T 30 | 8 59 56 | 16°26'52 | 8♊49 | 22°25 | 28°59 | 23°52 | 15°32 | 23°11 | 16° 2 | 11°16 | 12° 4 | 1° 0 | 1°32 | 27°22 | 5°50 | T 30 |
| F 31 | 9 3 53 | 17♒27'20 | 20♊38 | 23♑45 | 0♓13 | 24♏25 | 15♌24 | 23♏14 | 16♉ 3 | 11♌14 | 12♈ 4 | 0♏55 | 1♏29 | 27♊29 | 5♉51 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s28 | 16n13 | 1s15 | 19s54 | 3n30 | 22s46 | 1s 8 | 12s50 | 1n10 | 16n13 | 1n 5 | 16s12 | 2n 3 | 16n28 | 0s17 | 17n34 | 0n19 | 11s 3 | 17s 6 | 12s59 | 12s36 | 19n25 | 12n24 | 1s 7 |
| T 2 | 22 20 | 18 9 | 2 14 | 19 57 | 3 29 | 22 34 | 1 10 | 13 1 | 1 10 | 16 15 | 1 5 | 16 13 | 2 3 | 16 28 | 0 17 | 17 34 | 0 19 | 11 3 | 17 6 | 12 57 | 12 35 | 19 25 | 12 24 | 1 7 |
| F 3 | 22 11 | 19 16 | 3 7 | 20 1 | 3 26 | 22 22 | 1 11 | 13 13 | 1 10 | 16 17 | 1 5 | 16 14 | 2 4 | 16 27 | 0 17 | 17 34 | 0 19 | 11 2 | 17 6 | 12 55 | 12 33 | 19 25 | 12 24 | 1 7 |
| S 4 | 22 2 | 19 34 | 3 51 | 20 7 | 3 22 | 22 9 | 1 13 | 13 25 | 1 9 | 16 19 | 1 6 | 16 15 | 2 4 | 16 27 | 0 17 | 17 35 | 0 19 | 11 2 | 17 5 | 12 52 | 12 32 | 19 24 | 12 23 | 1 7 |
| S 5 | 21 53 | 19 0 | 4 26 | 20 14 | 3 16 | 21 56 | 1 14 | 13 37 | 1 9 | 16 22 | 1 6 | 16 16 | 2 4 | 16 27 | 0 17 | 17 35 | 0 19 | 11 1 | 17 5 | 12 48 | 12 31 | 19 24 | 12 23 | 1 7 |
| M 6 | 21 44 | 17 35 | 4 49 | 20 21 | 3 9 | 21 42 | 1 15 | 13 48 | 1 9 | 16 24 | 1 6 | 16 17 | 2 4 | 16 27 | 0 17 | 17 36 | 0 19 | 11 1 | 17 5 | 12 44 | 12 30 | 19 24 | 12 23 | 1 7 |
| T 7 | 21 33 | 15 23 | 4 59 | 20 30 | 3 1 | 21 27 | 1 16 | 13 59 | 1 8 | 16 26 | 1 6 | 16 19 | 2 4 | 16 27 | 0 17 | 17 36 | 0 19 | 11 0 | 17 4 | 12 39 | 12 29 | 19 24 | 12 23 | 1 7 |
| W 8 | 21 23 | 12 30 | 4 56 | 20 39 | 2 52 | 21 12 | 1 18 | 14 11 | 1 8 | 16 28 | 1 6 | 16 20 | 2 4 | 16 27 | 0 17 | 17 37 | 0 19 | 11 0 | 17 4 | 12 34 | 12 28 | 19 23 | 12 23 | 1 7 |
| T 9 | 21 12 | 9 3 | 4 39 | 20 48 | 2 43 | 20 56 | 1 19 | 14 22 | 1 7 | 16 30 | 1 7 | 16 21 | 2 4 | 16 26 | 0 17 | 17 37 | 0 19 | 10 59 | 17 4 | 12 29 | 12 27 | 19 23 | 12 23 | 1 7 |
| F 10 | 21 1 | 5 10 | 4 9 | 20 58 | 2 33 | 20 39 | 1 20 | 14 33 | 1 7 | 16 33 | 1 7 | 16 22 | 2 4 | 16 26 | 0 17 | 17 38 | 0 19 | 10 59 | 17 3 | 12 26 | 12 26 | 19 23 | 12 23 | 1 7 |
| S 11 | 20 49 | 1 0 | 3 25 | 21 7 | 2 22 | 20 22 | 1 21 | 14 44 | 1 7 | 16 35 | 1 7 | 16 22 | 2 5 | 16 26 | 0 17 | 17 38 | 0 19 | 10 58 | 17 3 | 12 23 | 12 25 | 19 22 | 12 23 | 1 7 |
| S 12 | 20 37 | 3s17 | 2 31 | 21 17 | 2 12 | 20 4 | 1 22 | 14 55 | 1 6 | 16 37 | 1 7 | 16 23 | 2 5 | 16 26 | 0 17 | 17 38 | 0 19 | 10 58 | 17 2 | 12 22 | 12 24 | 19 22 | 12 23 | 1 7 |
| M13 | 20 24 | 7 29 | 1 28 | 21 27 | 2 1 | 19 46 | 1 23 | 15 6 | 1 6 | 16 40 | 1 7 | 16 24 | 2 5 | 16 26 | 0 17 | 17 39 | 0 19 | 10 57 | 17 2 | 12 21 | 12 23 | 19 22 | 12 23 | 1 7 |
| T 14 | 20 12 | 11 26 | 0 18 | 21 36 | 1 50 | 19 27 | 1 23 | 15 17 | 1 6 | 16 42 | 1 7 | 16 25 | 2 5 | 16 26 | 0 16 | 17 39 | 0 19 | 10 57 | 17 2 | 12 21 | 12 21 | 19 21 | 12 24 | 1 7 |
| W15 | 19 58 | 14 51 | 0n54 | 21 45 | 1 39 | 19 7 | 1 24 | 15 27 | 1 5 | 16 45 | 1 8 | 16 26 | 2 5 | 16 26 | 0 16 | 17 40 | 0 19 | 10 56 | 17 1 | 12 21 | 12 20 | 19 21 | 12 24 | 1 7 |
| T 16 | 19 45 | 17 30 | 2 5 | 21 54 | 1 28 | 18 47 | 1 25 | 15 38 | 1 5 | 16 47 | 1 8 | 16 27 | 2 5 | 16 26 | 0 16 | 17 40 | 0 19 | 10 56 | 17 1 | 12 21 | 12 19 | 19 21 | 12 24 | 1 7 |
| F 17 | 19 31 | 19 6 | 3 10 | 22 2 | 1 18 | 18 26 | 1 26 | 15 48 | 1 4 | 16 49 | 1 8 | 16 28 | 2 5 | 16 26 | 0 16 | 17 41 | 0 19 | 10 55 | 17 1 | 12 19 | 12 18 | 19 20 | 12 24 | 1 7 |
| S 18 | 19 16 | 19 27 | 4 3 | 22 9 | 1 7 | 18 5 | 1 26 | 15 58 | 1 4 | 16 52 | 1 8 | 16 29 | 2 6 | 16 26 | 0 16 | 17 41 | 0 19 | 10 55 | 17 0 | 12 17 | 12 17 | 19 20 | 12 24 | 1 7 |
| S 19 | 19 2 | 18 26 | 4 40 | 22 16 | 0 57 | 17 44 | 1 27 | 16 9 | 1 3 | 16 54 | 1 8 | 16 29 | 2 6 | 16 26 | 0 16 | 17 42 | 0 19 | 10 54 | 17 0 | 12 14 | 12 16 | 19 20 | 12 24 | 1 7 |
| M20 | 18 47 | 16 9 | 4 59 | 22 21 | 0 47 | 17 22 | 1 27 | 16 19 | 1 3 | 16 57 | 1 8 | 16 30 | 2 6 | 16 26 | 0 16 | 17 42 | 0 19 | 10 53 | 17 0 | 12 10 | 12 15 | 19 20 | 12 25 | 1 7 |
| T 21 | 18 31 | 12 49 | 4 56 | 22 26 | 0 36 | 16 59 | 1 28 | 16 29 | 1 3 | 16 59 | 1 9 | 16 31 | 2 6 | 16 26 | 0 16 | 17 43 | 0 19 | 10 53 | 16 59 | 12 6 | 12 14 | 19 19 | 12 25 | 1 7 |
| W22 | 18 16 | 8 43 | 4 34 | 22 30 | 0 27 | 16 36 | 1 28 | 16 39 | 1 2 | 17 2 | 1 9 | 16 31 | 2 6 | 16 26 | 0 16 | 17 43 | 0 19 | 10 52 | 16 59 | 12 2 | 12 13 | 19 19 | 12 25 | 1 7 |
| T 23 | 18 0 | 4 14 | 3 55 | 22 33 | 0 17 | 16 12 | 1 28 | 16 48 | 1 2 | 17 4 | 1 9 | 16 32 | 2 6 | 16 26 | 0 16 | 17 44 | 0 19 | 10 52 | 16 59 | 11 58 | 12 12 | 19 19 | 12 25 | 1 7 |
| F 24 | 17 43 | 0n21 | 3 3 | 22 35 | 0 8 | 15 48 | 1 28 | 16 58 | 1 1 | 17 7 | 1 9 | 16 33 | 2 7 | 16 26 | 0 16 | 17 44 | 0 19 | 10 51 | 16 58 | 11 56 | 12 10 | 19 18 | 12 26 | 1 7 |
| S 25 | 17 27 | 4 46 | 2 2 | 22 36 | 0s 2 | 15 24 | 1 29 | 17 8 | 1 1 | 17 9 | 1 9 | 16 33 | 2 7 | 16 27 | 0 16 | 17 45 | 0 19 | 10 51 | 16 58 | 11 54 | 12 9 | 19 18 | 12 26 | 1 7 |
| S 26 | 17 10 | 8 49 | 0 57 | 22 36 | 0 10 | 14 59 | 1 29 | 17 17 | 1 0 | 17 12 | 1 9 | 16 34 | 2 7 | 16 27 | 0 16 | 17 45 | 0 19 | 10 50 | 16 58 | 11 54 | 12 8 | 19 17 | 12 26 | 1 7 |
| M27 | 16 52 | 12 20 | 0s 9 | 22 35 | 0 19 | 14 34 | 1 29 | 17 26 | 0 59 | 17 14 | 1 9 | 16 34 | 2 7 | 16 27 | 0 16 | 17 46 | 0 19 | 10 49 | 16 58 | 11 54 | 12 7 | 19 17 | 12 27 | 1 7 |
| T 28 | 16 35 | 15 14 | 1 13 | 22 32 | 0 27 | 14 8 | 1 29 | 17 36 | 0 59 | 17 17 | 1 9 | 16 35 | 2 7 | 16 27 | 0 16 | 17 46 | 0 19 | 10 49 | 16 57 | 11 54 | 12 6 | 19 17 | 12 27 | 1 7 |
| W29 | 16 17 | 17 25 | 2 13 | 22 28 | 0 36 | 13 42 | 1 28 | 17 45 | 0 58 | 17 19 | 1 10 | 16 36 | 2 7 | 16 27 | 0 16 | 17 47 | 0 19 | 10 48 | 16 57 | 11 53 | 12 5 | 19 16 | 12 28 | 1 7 |
| T 30 | 15 59 | 18 49 | 3 6 | 22 24 | 0 43 | 13 16 | 1 28 | 17 54 | 0 58 | 17 22 | 1 10 | 16 36 | 2 8 | 16 28 | 0 16 | 17 47 | 0 19 | 10 48 | 16 57 | 11 53 | 12 4 | 19 16 | 12 28 | 1 8 |
| F 31 | 15s41 | 19n23 | 3s51 | 22s17 | 0s51 | 12s49 | 1s28 | 18s 3 | 0n57 | 17n24 | 1n10 | 16s36 | 2n 8 | 16n28 | 0s16 | 17n48 | 0n19 | 10s47 | 16s56 | 11s51 | 12s 3 | 19n16 | 12n28 | 1s 8 |

Julian Day Number = 2123563.5, Delta T = 17m36s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'17, Lahiri = 11°20'18 Julian Calendar 1 Jan. 1102 == Greg. Calendar 8 Jan. 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## FEBRUARY 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 7 49 | 18♒27'47 | 2♋28 | 25♉ 7 | 1♓28 | 24♏59 | 15°R17 | 23♏16 | 16♉ 4 | 11°R12 | 12♈ 5 | 0°R48 | 1♏26 | 27♊35 | 5♉53 | S 1 |
| S 2 | 9 11 46 | 19°28'12 | 14°24 | 26°29 | 2°43 | 25°32 | 15♌ 9 | 23°19 | 16° 4 | 11♌11 | 12° 6 | 0♏38 | 1°22 | 27°42 | 5°54 | S 2 |
| M 3 | 9 15 42 | 20°28'35 | 26°28 | 27°54 | 3°58 | 26° 6 | 15° 1 | 23°21 | 16° 5 | 11° 9 | 12° 7 | 0°26 | 1°19 | 27°49 | 5°56 | M 3 |
| T 4 | 9 19 39 | 21°28'56 | 8♌41 | 29°19 | 5°13 | 26°39 | 14°53 | 23°23 | 16° 6 | 11° 7 | 12° 8 | 0°13 | 1°16 | 27°55 | 5°57 | T 4 |
| W 5 | 9 23 36 | 22°29'15 | 21° 5 | 0♒45 | 6°28 | 27°13 | 14°45 | 23°25 | 16° 7 | 11° 6 | 12° 9 | 29♎59 | 1°13 | 28° 2 | 5°59 | W 5 |
| T 6 | 9 27 32 | 23°29'32 | 3♍41 | 2°13 | 7°42 | 27°46 | 14°37 | 23°27 | 16° 8 | 11° 4 | 12°10 | 29°48 | 1°10 | 28° 9 | 6° 1 | T 6 |
| F 7 | 9 31 29 | 24°29'48 | 16°27 | 3°42 | 8°57 | 28°19 | 14°30 | 23°29 | 16° 9 | 11° 3 | 12°11 | 29°39 | 1° 7 | 28°15 | 6° 3 | F 7 |
| S 8 | 9 35 25 | 25°30'02 | 29°24 | 5°11 | 10°12 | 28°52 | 14°22 | 23°31 | 16°10 | 11° 1 | 12°12 | 29°32 | 1° 3 | 28°22 | 6° 5 | S 8 |
| S 9 | 9 39 22 | 26°30'14 | 12♎33 | 6°42 | 11°26 | 29°25 | 14°14 | 23°32 | 16°11 | 10°59 | 12°13 | 29°29 | 1° 0 | 28°29 | 6° 7 | S 9 |
| M10 | 9 43 18 | 27°30'25 | 25°52 | 8°14 | 12°41 | 29°58 | 14° 7 | 23°34 | 16°13 | 10°58 | 12°14 | 29°D27 | 0°57 | 28°36 | 6° 9 | M10 |
| T 11 | 9 47 15 | 28°30'34 | 9♏24 | 9°47 | 13°56 | 0♐30 | 13°59 | 23°35 | 16°14 | 10°56 | 12°15 | 29°28 | 0°54 | 28°42 | 6°11 | T 11 |
| W12 | 9 51 11 | 29°30'42 | 23° 9 | 11°22 | 15°10 | 1° 3 | 13°52 | 23°37 | 16°15 | 10°55 | 12°16 | 29°R28 | 0°51 | 28°49 | 6°13 | W12 |
| T 13 | 9 55 8 | 0♓30'48 | 7♐ 8 | 12°57 | 16°25 | 1°35 | 13°45 | 23°38 | 16°16 | 10°53 | 12°17 | 29°28 | 0°47 | 28°56 | 6°15 | T 13 |
| F 14 | 9 59 5 | 1°30'53 | 21°21 | 14°33 | 17°39 | 2° 8 | 13°37 | 23°39 | 16°18 | 10°51 | 12°18 | 29°26 | 0°44 | 29° 2 | 6°17 | F 14 |
| S 15 | 10 3 1 | 2°30'56 | 5♑46 | 16°11 | 18°54 | 2°40 | 13°30 | 23°40 | 16°19 | 10°50 | 12°19 | 29°22 | 0°41 | 29° 9 | 6°19 | S 15 |
| S 16 | 10 6 58 | 3°30'57 | 20°19 | 17°50 | 20° 9 | 3°12 | 13°23 | 23°41 | 16°21 | 10°48 | 12°21 | 29°16 | 0°38 | 29°16 | 6°22 | S 16 |
| M17 | 10 10 54 | 4°30'57 | 4♒56 | 19°29 | 21°23 | 3°44 | 13°16 | 23°42 | 16°22 | 10°47 | 12°22 | 29° 8 | 0°35 | 29°22 | 6°24 | M17 |
| T 18 | 10 14 51 | 5°30'54 | 19°29 | 21°10 | 22°37 | 4°16 | 13° 9 | 23°43 | 16°24 | 10°45 | 12°23 | 28°59 | 0°32 | 29°29 | 6°27 | T 18 |
| W19 | 10 18 47 | 6°30'50 | 3♓51 | 22°52 | 23°52 | 4°48 | 13° 2 | 23°43 | 16°26 | 10°44 | 12°24 | 28°51 | 0°28 | 29°36 | 6°29 | W19 |
| T 20 | 10 22 44 | 7°30'44 | 17°57 | 24°35 | 25° 6 | 5°19 | 12°56 | 23°44 | 16°27 | 10°42 | 12°25 | 28°43 | 0°25 | 29°43 | 6°32 | T 20 |
| F 21 | 10 26 40 | 8°30'35 | 1♈42 | 26°19 | 26°21 | 5°51 | 12°49 | 23°44 | 16°29 | 10°41 | 12°26 | 28°38 | 0°22 | 29°49 | 6°34 | F 21 |
| S 22 | 10 30 37 | 9°30'25 | 15° 2 | 28° 5 | 27°35 | 6°22 | 12°43 | 23°45 | 16°31 | 10°39 | 12°28 | 28°35 | 0°19 | 29°56 | 6°37 | S 22 |
| S 23 | 10 34 33 | 10°30'12 | 27°59 | 29°52 | 28°49 | 6°53 | 12°36 | 23°45 | 16°33 | 10°38 | 12°29 | 28°D34 | 0°16 | 0♋ 3 | 6°39 | S 23 |
| M24 | 10 38 30 | 11°29'58 | 10♉34 | 1♓39 | 0♈ 4 | 7°24 | 12°30 | 23°45 | 16°34 | 10°37 | 12°30 | 28°34 | 0°12 | 0° 9 | 6°42 | M24 |
| T 25 | 10 42 27 | 12°29'41 | 22°51 | 3°28 | 1°18 | 7°55 | 12°24 | 23°R45 | 16°36 | 10°35 | 12°31 | 28°36 | 0° 9 | 0°16 | 6°45 | T 25 |
| W26 | 10 46 23 | 13°29'21 | 4♊54 | 5°19 | 2°32 | 8°26 | 12°18 | 23°45 | 16°38 | 10°34 | 12°33 | 28°37 | 0° 6 | 0°23 | 6°48 | W26 |
| T 27 | 10 50 20 | 14°29'00 | 16°49 | 7°10 | 3°46 | 8°57 | 12°13 | 23°45 | 16°40 | 10°32 | 12°34 | 28°R37 | 0° 3 | 0°30 | 6°51 | T 27 |
| F 28 | 10 54 16 | 15♓28'36 | 28♊40 | 9♓ 3 | 5♈ 0 | 9♐27 | 12♌ 7 | 23♏45 | 16♉42 | 10♌31 | 12♈35 | 28♎36 | 29♎59 | 0♋36 | 6♉54 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 15s22 | 19n 6 | 4s26 | 22s10 | 0s58 | 12s22 | 1s28 | 18s11 | 0n57 | 17n27 | 1n10 | 16s37 | 2n 8 | 16n28 | 0s16 | 17n48 | 0n19 | 10s46 | 16s56 | 11s48 | 12s 2 | 19n15 | 12n29 | 1s 8 | S 1 |
| S 2 | 15 3 | 17 58 | 4 50 | 22 1 | 1 5 | 11 55 | 1 27 | 18 20 | 0 56 | 17 29 | 1 10 | 16 37 | 2 8 | 16 28 | 0 16 | 17 48 | 0 19 | 10 46 | 16 56 | 11 45 | 12 0 | 19 15 | 12 29 | 1 8 | S 2 |
| M 3 | 14 44 | 16 2 | 5 1 | 21 51 | 1 12 | 11 27 | 1 27 | 18 28 | 0 55 | 17 31 | 1 10 | 16 38 | 2 8 | 16 28 | 0 16 | 17 49 | 0 19 | 10 45 | 16 55 | 11 41 | 11 59 | 19 15 | 12 30 | 1 8 | M 3 |
| T 4 | 14 25 | 13 22 | 4 58 | 21 40 | 1 18 | 10 59 | 1 26 | 18 37 | 0 55 | 17 34 | 1 10 | 16 38 | 2 8 | 16 29 | 0 16 | 17 49 | 0 19 | 10 45 | 16 55 | 11 36 | 11 58 | 19 14 | 12 31 | 1 8 | T 4 |
| W 5 | 14 5 | 10 5 | 4 42 | 21 27 | 1 24 | 10 31 | 1 26 | 18 45 | 0 54 | 17 36 | 1 10 | 16 38 | 2 9 | 16 29 | 0 16 | 17 50 | 0 19 | 10 44 | 16 55 | 11 31 | 11 57 | 19 14 | 12 31 | 1 8 | W 5 |
| T 6 | 13 45 | 6 18 | 4 11 | 21 13 | 1 29 | 10 2 | 1 25 | 18 53 | 0 53 | 17 38 | 1 10 | 16 39 | 2 9 | 16 29 | 0 16 | 17 50 | 0 19 | 10 43 | 16 55 | 11 27 | 11 56 | 19 13 | 12 32 | 1 8 | T 6 |
| F 7 | 13 25 | 2 11 | 3 28 | 20 57 | 1 35 | 9 33 | 1 24 | 19 1 | 0 53 | 17 41 | 1 10 | 16 39 | 2 9 | 16 30 | 0 16 | 17 51 | 0 19 | 10 43 | 16 54 | 11 24 | 11 55 | 19 13 | 12 32 | 1 8 | F 7 |
| S 8 | 13 5 | 2s 6 | 2 33 | 20 40 | 1 40 | 9 4 | 1 23 | 19 9 | 0 52 | 17 43 | 1 10 | 16 39 | 2 9 | 16 30 | 0 16 | 17 51 | 0 19 | 10 42 | 16 54 | 11 22 | 11 54 | 19 13 | 12 33 | 1 8 | S 8 |
| S 9 | 12 44 | 6 21 | 1 29 | 20 22 | 1 44 | 8 35 | 1 23 | 19 17 | 0 51 | 17 45 | 1 10 | 16 40 | 2 9 | 16 30 | 0 16 | 17 52 | 0 19 | 10 41 | 16 54 | 11 20 | 11 53 | 19 12 | 12 33 | 1 8 | S 9 |
| M10 | 12 24 | 10 20 | 0 19 | 20 2 | 1 49 | 8 5 | 1 22 | 19 25 | 0 51 | 17 48 | 1 10 | 16 40 | 2 10 | 16 31 | 0 16 | 17 52 | 0 19 | 10 41 | 16 54 | 11 20 | 11 52 | 19 12 | 12 34 | 1 8 | M10 |
| T 11 | 12 3 | 13 51 | 0n53 | 19 41 | 1 52 | 7 36 | 1 21 | 19 32 | 0 50 | 17 50 | 1 10 | 16 40 | 2 10 | 16 31 | 0 16 | 17 53 | 0 19 | 10 40 | 16 53 | 11 20 | 11 50 | 19 11 | 12 35 | 1 8 | T 11 |
| W12 | 11 42 | 16 40 | 2 3 | 19 19 | 1 56 | 7 6 | 1 20 | 19 40 | 0 49 | 17 52 | 1 10 | 16 40 | 2 10 | 16 32 | 0 16 | 17 53 | 0 19 | 10 40 | 16 53 | 11 20 | 11 49 | 19 11 | 12 35 | 1 8 | W12 |
| T 13 | 11 21 | 18 32 | 3 7 | 18 55 | 1 59 | 6 35 | 1 19 | 19 47 | 0 48 | 17 54 | 1 10 | 16 40 | 2 10 | 16 32 | 0 16 | 17 54 | 0 19 | 10 39 | 16 53 | 11 20 | 11 48 | 19 11 | 12 36 | 1 8 | T 13 |
| F 14 | 10 59 | 19 16 | 4 1 | 18 29 | 2 2 | 6 5 | 1 17 | 19 55 | 0 48 | 17 56 | 1 10 | 16 40 | 2 10 | 16 32 | 0 16 | 17 54 | 0 19 | 10 38 | 16 53 | 11 20 | 11 47 | 19 10 | 12 37 | 1 8 | F 14 |
| S 15 | 10 38 | 18 46 | 4 40 | 18 2 | 2 4 | 5 35 | 1 16 | 20 2 | 0 47 | 17 58 | 1 10 | 16 40 | 2 10 | 16 33 | 0 16 | 17 54 | 0 19 | 10 38 | 16 52 | 11 18 | 11 46 | 19 10 | 12 38 | 1 8 | S 15 |
| S 16 | 10 16 | 17 2 | 5 2 | 17 34 | 2 6 | 5 4 | 1 15 | 20 9 | 0 46 | 18 0 | 1 10 | 16 41 | 2 11 | 16 33 | 0 16 | 17 55 | 0 19 | 10 37 | 16 52 | 11 16 | 11 45 | 19 9 | 12 38 | 1 8 | S 16 |
| M17 | 9 54 | 14 13 | 5 4 | 17 4 | 2 8 | 4 33 | 1 14 | 20 16 | 0 45 | 18 3 | 1 10 | 16 41 | 2 11 | 16 34 | 0 16 | 17 55 | 0 19 | 10 36 | 16 52 | 11 13 | 11 44 | 19 9 | 12 39 | 1 8 | M17 |
| T 18 | 9 32 | 10 31 | 4 46 | 16 33 | 2 9 | 4 3 | 1 12 | 20 22 | 0 44 | 18 4 | 1 10 | 16 41 | 2 11 | 16 34 | 0 16 | 17 56 | 0 19 | 10 36 | 16 52 | 11 10 | 11 43 | 19 8 | 12 40 | 1 8 | T 18 |
| W19 | 9 10 | 6 15 | 4 11 | 16 0 | 2 10 | 3 32 | 1 11 | 20 29 | 0 43 | 18 6 | 1 10 | 16 41 | 2 11 | 16 35 | 0 16 | 17 56 | 0 19 | 10 35 | 16 51 | 11 7 | 11 42 | 19 8 | 12 41 | 1 8 | W19 |
| T 20 | 8 48 | 1 43 | 3 20 | 15 26 | 2 10 | 3 1 | 1 9 | 20 36 | 0 42 | 18 8 | 1 10 | 16 41 | 2 11 | 16 35 | 0 16 | 17 56 | 0 19 | 10 34 | 16 51 | 11 4 | 11 40 | 19 8 | 12 41 | 1 8 | T 20 |
| F 21 | 8 25 | 2n48 | 2 19 | 14 50 | 2 10 | 2 30 | 1 8 | 20 42 | 0 42 | 18 10 | 1 10 | 16 40 | 2 11 | 16 36 | 0 16 | 17 57 | 0 19 | 10 34 | 16 51 | 11 2 | 11 39 | 19 7 | 12 42 | 1 8 | F 21 |
| S 22 | 8 3 | 7 4 | 1 12 | 14 13 | 2 9 | 1 58 | 1 6 | 20 49 | 0 41 | 18 12 | 1 10 | 16 40 | 2 12 | 16 36 | 0 16 | 17 57 | 0 19 | 10 33 | 16 51 | 11 1 | 11 38 | 19 7 | 12 43 | 1 8 | S 22 |
| S 23 | 7 40 | 10 51 | 0 3 | 13 34 | 2 8 | 1 27 | 1 4 | 20 55 | 0 40 | 18 14 | 1 10 | 16 40 | 2 12 | 16 37 | 0 16 | 17 58 | 0 19 | 10 33 | 16 51 | 11 1 | 11 37 | 19 6 | 12 44 | 1 8 | S 23 |
| M24 | 7 17 | 14 3 | 1s 4 | 12 54 | 2 7 | 0 56 | 1 2 | 21 1 | 0 39 | 18 16 | 1 10 | 16 40 | 2 12 | 16 37 | 0 16 | 17 58 | 0 19 | 10 32 | 16 50 | 11 1 | 11 36 | 19 6 | 12 45 | 1 8 | M24 |
| T 25 | 6 54 | 16 31 | 2 7 | 12 13 | 2 5 | 0 24 | 1 1 | 21 7 | 0 38 | 18 17 | 1 10 | 16 40 | 2 12 | 16 38 | 0 16 | 17 58 | 0 19 | 10 31 | 16 50 | 11 2 | 11 35 | 19 5 | 12 46 | 1 8 | T 25 |
| W26 | 6 31 | 18 12 | 3 4 | 11 30 | 2 2 | 0n 7 | 0 59 | 21 13 | 0 37 | 18 19 | 1 10 | 16 40 | 2 12 | 16 38 | 0 16 | 17 59 | 0 19 | 10 31 | 16 50 | 11 2 | 11 34 | 19 5 | 12 47 | 1 8 | W26 |
| T 27 | 6 8 | 19 4 | 3 51 | 10 46 | 1 59 | 0 38 | 0 57 | 21 19 | 0 36 | 18 20 | 1 10 | 16 40 | 2 13 | 16 39 | 0 16 | 17 59 | 0 19 | 10 30 | 16 50 | 11 2 | 11 33 | 19 4 | 12 48 | 1 8 | T 27 |
| F 28 | 5s45 | 19n 4 | 4s29 | 10s 0 | 1s55 | 1n10 | 0s55 | 21s24 | 0n35 | 18n22 | 1n10 | 16s39 | 2n13 | 16n40 | 0s15 | 18n 0 | 0n19 | 10s29 | 16s50 | 11s 2 | 11s31 | 19n 4 | 12n48 | 1s 8 | F 28 |

Julian Day Number = 2123594.5, Delta T = 17m36s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'22, Lahiri = 11°20'22 Julian Calendar 1 Feb. 1102 == Greg. Calendar 8 Feb. 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## MARCH 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 58 13 | 16♓28'09 | 10♋33 | 10♓57 | 6♈14 | 9♐57 | 12°R 1 | 23°R44 | 16♉44 | 10°R30 | 12♈36 | 28°R33 | 29♎57 | 0♋43 | 6♉57 | S 1 |
| S 2 | 11 2 9 | 17°27'41 | 22°31 | 12°52 | 7°29 | 10°28 | 11♌56 | 23♏44 | 16°47 | 10♌29 | 12°38 | 28♎29 | 29°53 | 0°50 | 6°59 | S 2 |
| M 3 | 11 6 6 | 18°27'10 | 4♌39 | 14°48 | 8°43 | 10°58 | 11°51 | 23°43 | 16°49 | 10°27 | 12°39 | 28°23 | 29°50 | 0°56 | 7° 3 | M 3 |
| T 4 | 11 10 2 | 19°26'37 | 17° 0 | 16°45 | 9°57 | 11°27 | 11°46 | 23°43 | 16°51 | 10°26 | 12°40 | 28°16 | 29°47 | 1° 3 | 7° 6 | T 4 |
| W 5 | 11 13 59 | 20°26'01 | 29°35 | 18°44 | 11°10 | 11°57 | 11°41 | 23°42 | 16°53 | 10°25 | 12°42 | 28° 9 | 29°44 | 1°10 | 7° 9 | W 5 |
| T 6 | 11 17 56 | 21°25'24 | 12♍25 | 20°43 | 12°24 | 12°26 | 11°36 | 23°41 | 16°55 | 10°24 | 12°43 | 28° 2 | 29°41 | 1°16 | 7°12 | T 6 |
| F 7 | 11 21 52 | 22°24'44 | 25°31 | 22°44 | 13°38 | 12°56 | 11°32 | 23°40 | 16°58 | 10°23 | 12°44 | 27°58 | 29°38 | 1°23 | 7°15 | F 7 |
| S 8 | 11 25 49 | 23°24'02 | 8♎51 | 24°45 | 14°52 | 13°25 | 11°27 | 23°39 | 17° 0 | 10°21 | 12°45 | 27°54 | 29°34 | 1°30 | 7°18 | S 8 |
| S 9 | 11 29 45 | 24°23'18 | 22°24 | 26°47 | 16° 6 | 13°54 | 11°23 | 23°38 | 17° 2 | 10°20 | 12°47 | 27°D53 | 29°31 | 1°37 | 7°22 | S 9 |
| M10 | 11 33 42 | 25°22'32 | 6♏ 7 | 28°50 | 17°20 | 14°22 | 11°19 | 23°37 | 17° 5 | 10°19 | 12°48 | 27°53 | 29°28 | 1°43 | 7°25 | M10 |
| T 11 | 11 37 38 | 26°21'45 | 20° 0 | 0♈53 | 18°33 | 14°51 | 11°15 | 23°35 | 17° 7 | 10°18 | 12°49 | 27°54 | 29°25 | 1°50 | 7°28 | T 11 |
| W12 | 11 41 35 | 27°20'55 | 4♐ 0 | 2°56 | 19°47 | 15°19 | 11°12 | 23°34 | 17°10 | 10°17 | 12°51 | 27°56 | 29°22 | 1°57 | 7°32 | W12 |
| T 13 | 11 45 31 | 28°20'04 | 18° 6 | 4°59 | 21° 1 | 15°47 | 11° 8 | 23°32 | 17°12 | 10°16 | 12°52 | 27°57 | 29°18 | 2° 3 | 7°35 | T 13 |
| F 14 | 11 49 28 | 29°19'11 | 2♑16 | 7° 2 | 22°14 | 16°15 | 11° 5 | 23°31 | 17°15 | 10°15 | 12°54 | 27°R57 | 29°15 | 2°10 | 7°39 | F 14 |
| S 15 | 11 53 25 | 0♈18'17 | 16°29 | 9° 5 | 23°28 | 16°43 | 11° 1 | 23°29 | 17°18 | 10°14 | 12°55 | 27°56 | 29°12 | 2°17 | 7°42 | S 15 |
| S 16 | 11 57 21 | 1°17'20 | 0♒42 | 11° 6 | 24°41 | 17°10 | 10°58 | 23°27 | 17°20 | 10°13 | 12°56 | 27°54 | 29° 9 | 2°24 | 7°46 | S 16 |
| M17 | 12 1 18 | 2°16'22 | 14°53 | 13° 6 | 25°55 | 17°38 | 10°56 | 23°25 | 17°23 | 10°12 | 12°58 | 27°51 | 29° 6 | 2°30 | 7°49 | M17 |
| T 18 | 12 5 14 | 3°15'21 | 28°57 | 15° 5 | 27° 8 | 18° 5 | 10°53 | 23°23 | 17°26 | 10°11 | 12°59 | 27°47 | 29° 3 | 2°37 | 7°53 | T 18 |
| W19 | 12 9 11 | 4°14'19 | 12♓51 | 17° 2 | 28°22 | 18°31 | 10°51 | 23°21 | 17°28 | 10°10 | 13° 0 | 27°44 | 28°59 | 2°44 | 7°56 | W19 |
| T 20 | 12 13 7 | 5°13'15 | 26°32 | 18°56 | 29°35 | 18°58 | 10°48 | 23°19 | 17°31 | 10°10 | 13° 2 | 27°41 | 28°56 | 2°50 | 8° 0 | T 20 |
| F 21 | 12 17 4 | 6°12'09 | 9♈56 | 20°47 | 0♉48 | 19°24 | 10°46 | 23°17 | 17°34 | 10° 9 | 13° 3 | 27°39 | 28°53 | 2°57 | 8° 4 | F 21 |
| S 22 | 12 21 0 | 7°11'01 | 23° 3 | 22°36 | 2° 2 | 19°50 | 10°44 | 23°15 | 17°37 | 10° 8 | 13° 5 | 27°D38 | 28°50 | 3° 4 | 8° 7 | S 22 |
| S 23 | 12 24 57 | 8° 9'51 | 5♉51 | 24°21 | 3°15 | 20°16 | 10°43 | 23°12 | 17°40 | 10° 7 | 13° 6 | 27°38 | 28°47 | 3°10 | 8°11 | S 23 |
| M24 | 12 28 53 | 9° 8'38 | 18°23 | 26° 2 | 4°28 | 20°41 | 10°41 | 23°10 | 17°43 | 10° 7 | 13° 7 | 27°39 | 28°44 | 3°17 | 8°15 | M24 |
| T 25 | 12 32 50 | 10° 7'24 | 0♊39 | 27°40 | 5°41 | 21° 6 | 10°40 | 23° 7 | 17°45 | 10° 6 | 13° 9 | 27°40 | 28°40 | 3°24 | 8°19 | T 25 |
| W26 | 12 36 47 | 11° 6'07 | 12°43 | 29°13 | 6°54 | 21°31 | 10°39 | 23° 4 | 17°48 | 10° 5 | 13°10 | 27°42 | 28°37 | 3°31 | 8°22 | W26 |
| T 27 | 12 40 43 | 12° 4'48 | 24°39 | 0♉42 | 8° 8 | 21°55 | 10°38 | 23° 2 | 17°51 | 10° 5 | 13°12 | 27°43 | 28°34 | 3°37 | 8°26 | T 27 |
| F 28 | 12 44 40 | 13° 3'27 | 6♋31 | 2° 6 | 9°21 | 22°20 | 10°37 | 22°59 | 17°54 | 10° 4 | 13°13 | 27°44 | 28°31 | 3°44 | 8°30 | F 28 |
| S 29 | 12 48 36 | 14° 2'03 | 18°25 | 3°25 | 10°34 | 22°44 | 10°36 | 22°56 | 17°57 | 10° 4 | 13°14 | 27°R44 | 28°28 | 3°51 | 8°34 | S 29 |
| S 30 | 12 52 33 | 15° 0'37 | 0♌24 | 4°39 | 11°46 | 23° 7 | 10°36 | 22°53 | 18° 1 | 10° 3 | 13°16 | 27°43 | 28°24 | 3°57 | 8°38 | S 30 |
| M31 | 12 56 29 | 15♈59'09 | 12♌33 | 5♉48 | 12♉59 | 23♐30 | 10♌36 | 22♏50 | 18♉ 4 | 10♌ 3 | 13♈17 | 27♎42 | 28♎21 | 4♋ 4 | 8♉42 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 5s22 | 18n14 | 4s55 | 9s13 | 1s51 | 1n41 | 0s53 | 21s30 | 0n33 | 18n24 | 1n10 | 16s39 | 2n13 | 16n40 | 0s15 | 18n 0 | 0n19 | 10s29 | 16s49 | 11s 1 | 11s30 | 19n 4 | 12n49 | 1s 8 | S 1 |
| S 2 | 4 59 | 16 36 | 5 8 | 8 24 | 1 47 | 2 12 | 0 51 | 21 35 | 0 32 | 18 25 | 1 10 | 16 39 | 2 13 | 16 41 | 0 15 | 18 0 | 0 19 | 10 28 | 16 49 | 10 59 | 11 29 | 19 3 | 12 50 | 1 8 | S 2 |
| M 3 | 4 35 | 14 13 | 5 8 | 7 34 | 1 41 | 2 43 | 0 49 | 21 41 | 0 31 | 18 26 | 1 10 | 16 39 | 2 13 | 16 42 | 0 15 | 18 1 | 0 19 | 10 27 | 16 49 | 10 57 | 11 28 | 19 3 | 12 51 | 1 8 | M 3 |
| T 4 | 4 12 | 11 9 | 4 53 | 6 43 | 1 36 | 3 15 | 0 47 | 21 46 | 0 30 | 18 28 | 1 10 | 16 38 | 2 13 | 16 42 | 0 15 | 18 1 | 0 19 | 10 27 | 16 49 | 10 54 | 11 27 | 19 2 | 12 52 | 1 8 | T 4 |
| W 5 | 3 48 | 7 32 | 4 25 | 5 51 | 1 29 | 3 46 | 0 44 | 21 51 | 0 29 | 18 29 | 1 10 | 16 38 | 2 14 | 16 43 | 0 15 | 18 1 | 0 19 | 10 26 | 16 49 | 10 52 | 11 26 | 19 2 | 12 53 | 1 8 | W 5 |
| T 6 | 3 25 | 3 31 | 3 42 | 4 58 | 1 23 | 4 17 | 0 42 | 21 56 | 0 28 | 18 30 | 1 10 | 16 37 | 2 14 | 16 44 | 0 15 | 18 2 | 0 19 | 10 26 | 16 49 | 10 50 | 11 25 | 19 1 | 12 54 | 1 8 | T 6 |
| F 7 | 3 1 | 0s46 | 2 47 | 4 3 | 1 15 | 4 48 | 0 40 | 22 1 | 0 26 | 18 32 | 1 10 | 16 37 | 2 14 | 16 44 | 0 15 | 18 2 | 0 19 | 10 25 | 16 49 | 10 48 | 11 24 | 19 1 | 12 55 | 1 8 | F 7 |
| S 8 | 2 38 | 5 5 | 1 42 | 3 7 | 1 7 | 5 19 | 0 37 | 22 6 | 0 25 | 18 33 | 1 10 | 16 37 | 2 14 | 16 45 | 0 15 | 18 2 | 0 19 | 10 24 | 16 48 | 10 47 | 11 22 | 19 0 | 12 56 | 1 8 | S 8 |
| S 9 | 2 14 | 9 13 | 0 30 | 2 11 | 0 59 | 5 49 | 0 35 | 22 11 | 0 24 | 18 34 | 1 10 | 16 36 | 2 14 | 16 46 | 0 15 | 18 3 | 0 19 | 10 24 | 16 48 | 10 46 | 11 21 | 19 0 | 12 57 | 1 8 | S 9 |
| M10 | 1 51 | 12 55 | 0n45 | 1 14 | 0 50 | 6 20 | 0 33 | 22 15 | 0 23 | 18 35 | 1 10 | 16 36 | 2 14 | 16 46 | 0 15 | 18 3 | 0 19 | 10 23 | 16 48 | 10 46 | 11 20 | 18 59 | 12 58 | 1 8 | M10 |
| T 11 | 1 27 | 15 56 | 1 58 | 0 16 | 0 41 | 6 50 | 0 30 | 22 20 | 0 21 | 18 36 | 1 10 | 16 35 | 2 14 | 16 47 | 0 15 | 18 3 | 0 19 | 10 22 | 16 48 | 10 47 | 11 19 | 18 59 | 12 59 | 1 8 | T 11 |
| W12 | 1 4 | 18 1 | 3 5 | 0n42 | 0 31 | 7 21 | 0 28 | 22 25 | 0 20 | 18 37 | 1 10 | 16 35 | 2 15 | 16 48 | 0 15 | 18 3 | 0 19 | 10 22 | 16 48 | 10 47 | 11 18 | 18 58 | 13 1 | 1 8 | W12 |
| T 13 | 0 40 | 19 1 | 4 1 | 1 41 | 0 21 | 7 51 | 0 25 | 22 29 | 0 19 | 18 38 | 1 9 | 16 34 | 2 15 | 16 48 | 0 15 | 18 4 | 0 19 | 10 21 | 16 48 | 10 48 | 11 17 | 18 58 | 13 2 | 1 9 | T 13 |
| F 14 | 0 16 | 18 49 | 4 43 | 2 39 | 0 10 | 8 21 | 0 23 | 22 33 | 0 17 | 18 39 | 1 9 | 16 34 | 2 15 | 16 49 | 0 15 | 18 4 | 0 19 | 10 21 | 16 48 | 10 48 | 11 16 | 18 57 | 13 3 | 1 9 | F 14 |
| S 15 | 0n 7 | 17 27 | 5 7 | 3 38 | 0n 1 | 8 51 | 0 20 | 22 37 | 0 16 | 18 39 | 1 9 | 16 33 | 2 15 | 16 50 | 0 15 | 18 4 | 0 19 | 10 20 | 16 48 | 10 47 | 11 15 | 18 57 | 13 4 | 1 9 | S 15 |
| S 16 | 0 31 | 15 0 | 5 13 | 4 36 | 0 12 | 9 20 | 0 18 | 22 42 | 0 14 | 18 40 | 1 9 | 16 33 | 2 15 | 16 51 | 0 15 | 18 5 | 0 19 | 10 19 | 16 48 | 10 47 | 11 13 | 18 56 | 13 5 | 1 9 | S 16 |
| M17 | 0 54 | 11 40 | 5 0 | 5 34 | 0 24 | 9 50 | 0 15 | 22 46 | 0 13 | 18 41 | 1 9 | 16 32 | 2 15 | 16 52 | 0 15 | 18 5 | 0 19 | 10 19 | 16 48 | 10 46 | 11 12 | 18 56 | 13 6 | 1 9 | M17 |
| T 18 | 1 18 | 7 42 | 4 29 | 6 31 | 0 35 | 10 19 | 0 12 | 22 50 | 0 11 | 18 41 | 1 9 | 16 31 | 2 16 | 16 52 | 0 15 | 18 5 | 0 19 | 10 18 | 16 48 | 10 44 | 11 11 | 18 55 | 13 7 | 1 9 | T 18 |
| W19 | 1 42 | 3 21 | 3 42 | 7 26 | 0 47 | 10 48 | 0 10 | 22 54 | 0 10 | 18 42 | 1 9 | 16 31 | 2 16 | 16 53 | 0 15 | 18 5 | 0 19 | 10 18 | 16 47 | 10 43 | 11 10 | 18 55 | 13 8 | 1 9 | W19 |
| T 20 | 2 5 | 1n 6 | 2 43 | 8 21 | 0 58 | 11 16 | 0 7 | 22 57 | 0 8 | 18 43 | 1 9 | 16 30 | 2 16 | 16 54 | 0 15 | 18 5 | 0 19 | 10 17 | 16 47 | 10 42 | 11 9 | 18 54 | 13 9 | 1 9 | T 20 |
| F 21 | 2 28 | 5 25 | 1 36 | 9 14 | 1 10 | 11 45 | 0 4 | 23 1 | 0 7 | 18 43 | 1 9 | 16 29 | 2 16 | 16 55 | 0 15 | 18 6 | 0 19 | 10 16 | 16 47 | 10 41 | 11 8 | 18 54 | 13 11 | 1 9 | F 21 |
| S 22 | 2 52 | 9 23 | 0 25 | 10 5 | 1 21 | 12 13 | 0 1 | 23 5 | 0 5 | 18 43 | 1 9 | 16 29 | 2 16 | 16 56 | 0 15 | 18 6 | 0 19 | 10 16 | 16 47 | 10 41 | 11 7 | 18 53 | 13 12 | 1 9 | S 22 |
| S 23 | 3 15 | 12 50 | 0s45 | 10 55 | 1 32 | 12 41 | 0n 1 | 23 8 | 0 3 | 18 44 | 1 8 | 16 28 | 2 16 | 16 56 | 0 15 | 18 6 | 0 19 | 10 15 | 16 47 | 10 41 | 11 5 | 18 52 | 13 13 | 1 9 | S 23 |
| M24 | 3 38 | 15 35 | 1 52 | 11 42 | 1 43 | 13 8 | 0 4 | 23 12 | 0 1 | 18 44 | 1 8 | 16 27 | 2 16 | 16 57 | 0 15 | 18 6 | 0 19 | 10 15 | 16 47 | 10 41 | 11 4 | 18 52 | 13 14 | 1 9 | M24 |
| T 25 | 4 2 | 17 34 | 2 52 | 12 27 | 1 53 | 13 35 | 0 7 | 23 15 | 0s 0 | 18 44 | 1 8 | 16 26 | 2 16 | 16 58 | 0 15 | 18 7 | 0 19 | 10 14 | 16 47 | 10 42 | 11 3 | 18 51 | 13 15 | 1 9 | T 25 |
| W26 | 4 25 | 18 44 | 3 44 | 13 9 | 2 2 | 14 2 | 0 10 | 23 19 | 0 2 | 18 45 | 1 8 | 16 26 | 2 17 | 16 59 | 0 15 | 18 7 | 0 19 | 10 14 | 16 47 | 10 42 | 11 2 | 18 51 | 13 16 | 1 9 | W26 |
| T 27 | 4 48 | 19 2 | 4 25 | 13 49 | 2 11 | 14 29 | 0 13 | 23 22 | 0 4 | 18 45 | 1 8 | 16 25 | 2 17 | 17 0 | 0 15 | 18 7 | 0 19 | 10 13 | 16 47 | 10 43 | 11 1 | 18 50 | 13 18 | 1 9 | T 27 |
| F 28 | 5 11 | 18 29 | 4 55 | 14 26 | 2 20 | 14 55 | 0 15 | 23 26 | 0 6 | 18 45 | 1 8 | 16 24 | 2 17 | 17 1 | 0 15 | 18 7 | 0 19 | 10 13 | 16 47 | 10 43 | 11 0 | 18 50 | 13 19 | 1 9 | F 28 |
| S 29 | 5 34 | 17 7 | 5 12 | 15 1 | 2 27 | 15 21 | 0 18 | 23 29 | 0 8 | 18 45 | 1 8 | 16 23 | 2 17 | 17 1 | 0 15 | 18 7 | 0 19 | 10 12 | 16 47 | 10 43 | 10 59 | 18 49 | 13 20 | 1 9 | S 29 |
| S 30 | 5 56 | 15 1 | 5 16 | 15 33 | 2 34 | 15 46 | 0 21 | 23 32 | 0 10 | 18 45 | 1 8 | 16 22 | 2 17 | 17 2 | 0 15 | 18 7 | 0 19 | 10 11 | 16 47 | 10 43 | 10 58 | 18 49 | 13 21 | 1 9 | S 30 |
| M31 | 6n19 | 12n13 | 5s 6 | 16n 2 | 2n40 | 16n12 | 0n24 | 23s35 | 0s12 | 18n45 | 1n 8 | 16s21 | 2n17 | 17n 3 | 0s15 | 18n 7 | 0n19 | 10s11 | 16s47 | 10s42 | 10s56 | 18n48 | 13n22 | 1s 9 | M31 |

Julian Day Number = 2123622.5, Delta T = 17m35s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'25, Lahiri = 11°20'26 Julian Calendar 1 March 1102 == Greg. Calendar 8 March 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## APRIL 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 0 26 | 16♈57'39 | 24♌57 | 6♉52 | 14♉12 | 23♐53 | 10°D36 | 22°R47 | 18♉ 7 | 10°R 2 | 13♈19 | 27°R41 | 28♎18 | 4♋11 | 8♉46 | T 1 |
| W 2 | 13 4 22 | 17°56'07 | 7♍38 | 7°50 | 15°25 | 24°16 | 10♌36 | 22♏44 | 18°10 | 10♌ 2 | 13°20 | 27♎40 | 28°15 | 4°18 | 8°50 | W 2 |
| T 3 | 13 8 19 | 18°54'32 | 20°38 | 8°43 | 16°38 | 24°38 | 10°36 | 22°40 | 18°13 | 10° 1 | 13°21 | 27°38 | 28°12 | 4°24 | 8°54 | T 3 |
| F 4 | 13 12 16 | 19°52'56 | 3♎58 | 9°30 | 17°50 | 25° 0 | 10°37 | 22°37 | 18°16 | 10° 1 | 13°23 | 27°38 | 28° 9 | 4°31 | 8°58 | F 4 |
| S 5 | 13 16 12 | 20°51'17 | 17°38 | 10°12 | 19° 3 | 25°22 | 10°37 | 22°34 | 18°19 | 10° 1 | 13°24 | 27°37 | 28° 5 | 4°38 | 9° 2 | S 5 |
| S 6 | 13 20 9 | 21°49'37 | 1♏35 | 10°48 | 20°15 | 25°43 | 10°38 | 22°30 | 18°23 | 10° 0 | 13°26 | 27°D37 | 28° 2 | 4°44 | 9° 6 | S 6 |
| M 7 | 13 24 5 | 22°47'55 | 15°46 | 11°19 | 21°28 | 26° 4 | 10°39 | 22°27 | 18°26 | 10° 0 | 13°27 | 27°37 | 27°59 | 4°51 | 9°10 | M 7 |
| T 8 | 13 28 2 | 23°46'11 | 0♐ 6 | 11°44 | 22°40 | 26°24 | 10°41 | 22°23 | 18°29 | 10° 0 | 13°28 | 27°38 | 27°56 | 4°58 | 9°14 | T 8 |
| W 9 | 13 31 58 | 24°44'25 | 14°31 | 12° 3 | 23°53 | 26°45 | 10°42 | 22°20 | 18°32 | 10° 0 | 13°30 | 27°38 | 27°53 | 5° 5 | 9°18 | W 9 |
| T 10 | 13 35 55 | 25°42'38 | 28°56 | 12°16 | 25° 5 | 27° 4 | 10°44 | 22°16 | 18°36 | 9°59 | 13°31 | 27°38 | 27°49 | 5°11 | 9°22 | T 10 |
| F 11 | 13 39 51 | 26°40'50 | 13♑17 | 12°24 | 26°17 | 27°23 | 10°46 | 22°12 | 18°39 | 9°59 | 13°33 | 27°38 | 27°46 | 5°18 | 9°26 | F 11 |
| S 12 | 13 43 48 | 27°39'00 | 27°31 | 12°R27 | 27°30 | 27°42 | 10°48 | 22° 8 | 18°42 | 9°59 | 13°34 | 27°38 | 27°43 | 5°25 | 9°30 | S 12 |
| S 13 | 13 47 45 | 28°37'09 | 11♒35 | 12°24 | 28°42 | 28° 1 | 10°50 | 22° 4 | 18°46 | 9°59 | 13°35 | 27°38 | 27°40 | 5°31 | 9°34 | S 13 |
| M14 | 13 51 41 | 29°35'16 | 25°28 | 12°16 | 29°54 | 28°19 | 10°52 | 22° 1 | 18°49 | 9°59 | 13°37 | 27°38 | 27°37 | 5°38 | 9°39 | M14 |
| T 15 | 13 55 38 | 0♉33'21 | 9♓ 9 | 12° 3 | 1♊ 6 | 28°36 | 10°55 | 21°57 | 18°52 | 9°D59 | 13°38 | 27°39 | 27°34 | 5°45 | 9°43 | T 15 |
| W16 | 13 59 34 | 1°31'25 | 22°36 | 11°46 | 2°18 | 28°53 | 10°57 | 21°53 | 18°56 | 9°59 | 13°39 | 27°39 | 27°30 | 5°52 | 9°47 | W16 |
| T 17 | 14 3 31 | 2°29'28 | 5♈50 | 11°25 | 3°30 | 29°10 | 11° 0 | 21°49 | 18°59 | 9°59 | 13°41 | 27°39 | 27°27 | 5°58 | 9°51 | T 17 |
| F 18 | 14 7 27 | 3°27'29 | 18°51 | 11° 0 | 4°42 | 29°25 | 11° 3 | 21°45 | 19° 2 | 9°59 | 13°42 | 27°40 | 27°24 | 6° 5 | 9°55 | F 18 |
| S 19 | 14 11 24 | 4°25'28 | 1♉38 | 10°31 | 5°54 | 29°41 | 11° 6 | 21°40 | 19° 6 | 9°59 | 13°43 | 27°R40 | 27°21 | 6°12 | 9°59 | S 19 |
| S 20 | 14 15 20 | 5°23'26 | 14°11 | 10° 0 | 7° 6 | 29°56 | 11°10 | 21°36 | 19° 9 | 9°59 | 13°45 | 27°39 | 27°18 | 6°18 | 10° 4 | S 20 |
| M21 | 14 19 17 | 6°21'23 | 26°33 | 9°27 | 8°18 | 0♑10 | 11°13 | 21°32 | 19°13 | 10° 0 | 13°46 | 27°39 | 27°15 | 6°25 | 10° 8 | M21 |
| T 22 | 14 23 14 | 7°19'17 | 8♊43 | 8°52 | 9°29 | 0°24 | 11°17 | 21°28 | 19°16 | 10° 0 | 13°47 | 27°38 | 27°11 | 6°32 | 10°12 | T 22 |
| W23 | 14 27 10 | 8°17'11 | 20°44 | 8°17 | 10°41 | 0°38 | 11°21 | 21°24 | 19°20 | 10° 0 | 13°49 | 27°36 | 27° 8 | 6°39 | 10°16 | W23 |
| T 24 | 14 31 7 | 9°15'02 | 2♋40 | 7°41 | 11°52 | 0°50 | 11°25 | 21°19 | 19°23 | 10° 0 | 13°50 | 27°34 | 27° 5 | 6°45 | 10°20 | T 24 |
| F 25 | 14 35 3 | 10°12'52 | 14°32 | 7° 5 | 13° 4 | 1° 3 | 11°29 | 21°15 | 19°27 | 10° 1 | 13°51 | 27°33 | 27° 2 | 6°52 | 10°25 | F 25 |
| S 26 | 14 39 0 | 11°10'39 | 26°25 | 6°30 | 14°15 | 1°14 | 11°34 | 21°11 | 19°30 | 10° 1 | 13°53 | 27°32 | 26°59 | 6°59 | 10°29 | S 26 |
| S 27 | 14 42 56 | 12° 8'26 | 8♌23 | 5°57 | 15°27 | 1°25 | 11°38 | 21° 6 | 19°33 | 10° 1 | 13°54 | 27°D31 | 26°55 | 7° 5 | 10°33 | S 27 |
| M28 | 14 46 53 | 13° 6'10 | 20°31 | 5°26 | 16°38 | 1°36 | 11°43 | 21° 2 | 19°37 | 10° 2 | 13°55 | 27°32 | 26°52 | 7°12 | 10°37 | M28 |
| T 29 | 14 50 49 | 14° 3'53 | 2♍53 | 4°57 | 17°49 | 1°46 | 11°48 | 20°58 | 19°40 | 10° 2 | 13°56 | 27°32 | 26°49 | 7°19 | 10°41 | T 29 |
| W30 | 14 54 46 | 15♉ 1'34 | 15♍33 | 4♉32 | 19♊ 1 | 1♑55 | 11♌53 | 20♏53 | 19♉44 | 10♌ 3 | 13♈58 | 27♎33 | 26♎46 | 7♋26 | 10♉46 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n42 | 8n51 | 4s41 | 16n28 | 2n45 | 16n36 | 0n27 | 23s38 | 0s14 | 18n45 | 1n 7 | 16s21 | 2n17 | 17n 4 | 0s15 | 18n 8 | 0n19 | 10s10 | 16s47 | 10s42 | 10s55 | 18n47 | 13n24 | 1s 9 |
| W 2 | 7 4 | 5 0 | 4 3 | 16 51 | 2 49 | 17 0 | 0 30 | 23 41 | 0 16 | 18 45 | 1 7 | 16 20 | 2 17 | 17 5 | 0 15 | 18 8 | 0 19 | 10 10 | 16 47 | 10 41 | 10 54 | 18 47 | 13 25 | 1 9 |
| T 3 | 7 26 | 0 48 | 3 11 | 17 11 | 2 52 | 17 24 | 0 32 | 23 44 | 0 18 | 18 44 | 1 7 | 16 19 | 2 17 | 17 6 | 0 15 | 18 8 | 0 19 | 10 9 | 16 47 | 10 41 | 10 53 | 18 46 | 13 26 | 1 10 |
| F 4 | 7 49 | 3s32 | 2 7 | 17 29 | 2 54 | 17 48 | 0 35 | 23 47 | 0 20 | 18 44 | 1 7 | 16 18 | 2 18 | 17 7 | 0 15 | 18 8 | 0 19 | 10 9 | 16 47 | 10 41 | 10 52 | 18 46 | 13 27 | 1 10 |
| S 5 | 8 11 | 7 48 | 0 55 | 17 43 | 2 55 | 18 11 | 0 38 | 23 50 | 0 22 | 18 44 | 1 7 | 16 17 | 2 18 | 17 8 | 0 15 | 18 8 | 0 19 | 10 8 | 16 47 | 10 41 | 10 51 | 18 45 | 13 28 | 1 10 |
| S 6 | 8 33 | 11 44 | 0n22 | 17 54 | 2 55 | 18 33 | 0 41 | 23 53 | 0 24 | 18 43 | 1 7 | 16 16 | 2 18 | 17 9 | 0 15 | 18 8 | 0 19 | 10 8 | 16 47 | 10 41 | 10 50 | 18 45 | 13 30 | 1 10 |
| M 7 | 8 54 | 15 4 | 1 39 | 18 3 | 2 54 | 18 55 | 0 44 | 23 56 | 0 27 | 18 43 | 1 7 | 16 15 | 2 18 | 17 9 | 0 15 | 18 8 | 0 19 | 10 7 | 16 47 | 10 41 | 10 48 | 18 44 | 13 31 | 1 10 |
| T 8 | 9 16 | 17 29 | 2 51 | 18 8 | 2 51 | 19 17 | 0 47 | 23 59 | 0 29 | 18 43 | 1 7 | 16 14 | 2 18 | 17 10 | 0 15 | 18 8 | 0 19 | 10 7 | 16 47 | 10 41 | 10 47 | 18 43 | 13 32 | 1 10 |
| W 9 | 9 38 | 18 49 | 3 52 | 18 10 | 2 47 | 19 38 | 0 49 | 24 2 | 0 31 | 18 42 | 1 6 | 16 13 | 2 18 | 17 11 | 0 15 | 18 8 | 0 19 | 10 6 | 16 47 | 10 41 | 10 46 | 18 43 | 13 33 | 1 10 |
| T 10 | 9 59 | 18 55 | 4 38 | 18 10 | 2 42 | 19 58 | 0 52 | 24 5 | 0 34 | 18 41 | 1 6 | 16 12 | 2 18 | 17 12 | 0 15 | 18 8 | 0 19 | 10 6 | 16 47 | 10 41 | 10 45 | 18 42 | 13 35 | 1 10 |
| F 11 | 10 20 | 17 47 | 5 7 | 18 6 | 2 36 | 20 18 | 0 55 | 24 8 | 0 36 | 18 41 | 1 6 | 16 11 | 2 18 | 17 13 | 0 15 | 18 8 | 0 19 | 10 6 | 16 47 | 10 41 | 10 44 | 18 42 | 13 36 | 1 10 |
| S 12 | 10 41 | 15 34 | 5 17 | 18 0 | 2 28 | 20 38 | 0 58 | 24 11 | 0 39 | 18 40 | 1 6 | 16 10 | 2 18 | 17 14 | 0 15 | 18 8 | 0 19 | 10 5 | 16 48 | 10 41 | 10 43 | 18 41 | 13 37 | 1 10 |
| S 13 | 11 2 | 12 27 | 5 8 | 17 51 | 2 20 | 20 57 | 1 0 | 24 13 | 0 41 | 18 39 | 1 6 | 16 9 | 2 18 | 17 15 | 0 15 | 18 8 | 0 19 | 10 5 | 16 48 | 10 41 | 10 42 | 18 40 | 13 38 | 1 10 |
| M14 | 11 23 | 8 41 | 4 41 | 17 39 | 2 10 | 21 15 | 1 3 | 24 16 | 0 44 | 18 39 | 1 6 | 16 8 | 2 18 | 17 16 | 0 15 | 18 8 | 0 19 | 10 4 | 16 48 | 10 41 | 10 40 | 18 40 | 13 40 | 1 10 |
| T 15 | 11 43 | 4 30 | 3 58 | 17 24 | 1 58 | 21 33 | 1 6 | 24 19 | 0 46 | 18 38 | 1 6 | 16 7 | 2 18 | 17 17 | 0 15 | 18 8 | 0 19 | 10 4 | 16 48 | 10 41 | 10 39 | 18 39 | 13 41 | 1 10 |
| W16 | 12 4 | 0 9 | 3 2 | 17 7 | 1 46 | 21 50 | 1 8 | 24 22 | 0 49 | 18 37 | 1 6 | 16 6 | 2 18 | 17 18 | 0 15 | 18 8 | 0 19 | 10 3 | 16 48 | 10 41 | 10 38 | 18 39 | 13 42 | 1 10 |
| T 17 | 12 24 | 4n 8 | 1 58 | 16 48 | 1 33 | 22 7 | 1 11 | 24 25 | 0 52 | 18 36 | 1 5 | 16 5 | 2 18 | 17 19 | 0 15 | 18 8 | 0 19 | 10 3 | 16 48 | 10 41 | 10 37 | 18 38 | 13 43 | 1 10 |
| F 18 | 12 44 | 8 10 | 0 49 | 16 26 | 1 18 | 22 23 | 1 13 | 24 28 | 0 55 | 18 35 | 1 5 | 16 4 | 2 18 | 17 20 | 0 15 | 18 8 | 0 19 | 10 3 | 16 48 | 10 41 | 10 36 | 18 37 | 13 45 | 1 10 |
| S 19 | 13 3 | 11 45 | 0s22 | 16 3 | 1 3 | 22 38 | 1 16 | 24 31 | 0 58 | 18 34 | 1 5 | 16 2 | 2 18 | 17 21 | 0 15 | 18 8 | 0 19 | 10 2 | 16 48 | 10 41 | 10 35 | 18 37 | 13 46 | 1 11 |
| S 20 | 13 23 | 14 44 | 1 30 | 15 38 | 0 47 | 22 53 | 1 18 | 24 34 | 1 0 | 18 33 | 1 5 | 16 1 | 2 18 | 17 22 | 0 15 | 18 8 | 0 19 | 10 2 | 16 48 | 10 41 | 10 34 | 18 36 | 13 47 | 1 11 |
| M21 | 13 42 | 16 59 | 2 33 | 15 12 | 0 31 | 23 8 | 1 21 | 24 37 | 1 3 | 18 32 | 1 5 | 16 0 | 2 18 | 17 23 | 0 15 | 18 8 | 0 19 | 10 1 | 16 48 | 10 41 | 10 32 | 18 35 | 13 48 | 1 11 |
| T 22 | 14 1 | 18 26 | 3 28 | 14 44 | 0 14 | 23 21 | 1 23 | 24 40 | 1 6 | 18 31 | 1 5 | 15 59 | 2 18 | 17 23 | 0 15 | 18 8 | 0 19 | 10 1 | 16 49 | 10 41 | 10 31 | 18 35 | 13 50 | 1 11 |
| W23 | 14 20 | 19 1 | 4 13 | 14 16 | 0s 4 | 23 34 | 1 26 | 24 43 | 1 9 | 18 30 | 1 5 | 15 58 | 2 18 | 17 24 | 0 15 | 18 8 | 0 19 | 10 1 | 16 49 | 10 40 | 10 30 | 18 34 | 13 51 | 1 11 |
| T 24 | 14 39 | 18 45 | 4 47 | 13 48 | 0 21 | 23 46 | 1 28 | 24 46 | 1 13 | 18 28 | 1 5 | 15 57 | 2 18 | 17 25 | 0 15 | 18 8 | 0 19 | 10 0 | 16 49 | 10 40 | 10 29 | 18 34 | 13 52 | 1 11 |
| F 25 | 14 57 | 17 39 | 5 8 | 13 20 | 0 38 | 23 58 | 1 30 | 24 49 | 1 16 | 18 27 | 1 5 | 15 56 | 2 18 | 17 26 | 0 15 | 18 8 | 0 19 | 10 0 | 16 49 | 10 39 | 10 28 | 18 33 | 13 53 | 1 11 |
| S 26 | 15 15 | 15 48 | 5 16 | 12 53 | 0 55 | 24 9 | 1 33 | 24 52 | 1 19 | 18 26 | 1 4 | 15 55 | 2 18 | 17 27 | 0 15 | 18 8 | 0 19 | 10 0 | 16 49 | 10 39 | 10 27 | 18 32 | 13 55 | 1 11 |
| S 27 | 15 33 | 13 15 | 5 10 | 12 26 | 1 12 | 24 19 | 1 35 | 24 55 | 1 22 | 18 24 | 1 4 | 15 54 | 2 18 | 17 28 | 0 15 | 18 8 | 0 19 | 9 59 | 16 49 | 10 38 | 10 25 | 18 32 | 13 56 | 1 11 |
| M28 | 15 51 | 10 7 | 4 51 | 12 0 | 1 29 | 24 29 | 1 37 | 24 58 | 1 26 | 18 23 | 1 4 | 15 52 | 2 18 | 17 29 | 0 15 | 18 8 | 0 19 | 9 59 | 16 49 | 10 39 | 10 24 | 18 31 | 13 57 | 1 11 |
| T 29 | 16 8 | 6 29 | 4 18 | 11 36 | 1 44 | 24 38 | 1 39 | 25 1 | 1 29 | 18 21 | 1 4 | 15 51 | 2 18 | 17 30 | 0 15 | 18 8 | 0 19 | 9 59 | 16 50 | 10 39 | 10 23 | 18 30 | 13 58 | 1 11 |
| W30 | 16n25 | 2n28 | 3s32 | 11n13 | 1s59 | 24n46 | 1n41 | 25s 5 | 1s32 | 18n20 | 1n 4 | 15s50 | 2n18 | 17n31 | 0s15 | 18n 7 | 0n19 | 9s58 | 16s50 | 10s39 | 10s22 | 18n30 | 14n 0 | 1s11 |

Julian Day Number = 2123653.5, Delta T = 17m35s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'30, Lahiri = 11°20'30 Julian Calendar 1 Apr. 1102 == Greg. Calendar 8 Apr. 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## MAY 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 58 42 | 15♉59'13 | 28♍35 | 4°R10 | 20♊12 | 2♑ 3 | 11♌58 | 20°R49 | 19♉47 | 10♌ 3 | 13♈59 | 27♎35 | 26♎43 | 7♋32 | 10♉50 | T 1 |
| F 2 | 15 2 39 | 16°56'51 | 12♎ 1 | 3♉51 | 21°23 | 2°11 | 12° 3 | 20♏44 | 19°51 | 10° 4 | 14° 0 | 27°36 | 26°40 | 7°39 | 10°54 | F 2 |
| S 3 | 15 6 36 | 17°54'28 | 25°52 | 3°37 | 22°34 | 2°19 | 12° 9 | 20°40 | 19°54 | 10° 4 | 14° 1 | 27°R36 | 26°36 | 7°46 | 10°58 | S 3 |
| S 4 | 15 10 32 | 18°52'03 | 10♏ 6 | 3°27 | 23°44 | 2°25 | 12°14 | 20°35 | 19°58 | 10° 5 | 14° 2 | 27°36 | 26°33 | 7°52 | 11° 2 | S 4 |
| M 5 | 15 14 29 | 19°49'37 | 24°40 | 3°21 | 24°55 | 2°31 | 12°20 | 20°31 | 20° 2 | 10° 6 | 14° 4 | 27°35 | 26°30 | 7°59 | 11° 6 | M 5 |
| T 6 | 15 18 25 | 20°47'09 | 9♐26 | 3°D19 | 26° 6 | 2°37 | 12°26 | 20°26 | 20° 5 | 10° 6 | 14° 5 | 27°32 | 26°27 | 8° 6 | 11°11 | T 6 |
| W 7 | 15 22 22 | 21°44'41 | 24°18 | 3°23 | 27°17 | 2°41 | 12°32 | 20°22 | 20° 9 | 10° 7 | 14° 6 | 27°29 | 26°24 | 8°13 | 11°15 | W 7 |
| T 8 | 15 26 18 | 22°42'12 | 9♑ 8 | 3°30 | 28°27 | 2°45 | 12°38 | 20°18 | 20°12 | 10° 8 | 14° 7 | 27°26 | 26°21 | 8°19 | 11°19 | T 8 |
| F 9 | 15 30 15 | 23°39'42 | 23°48 | 3°42 | 29°38 | 2°48 | 12°44 | 20°13 | 20°16 | 10° 9 | 14° 8 | 27°23 | 26°17 | 8°26 | 11°23 | F 9 |
| S 10 | 15 34 12 | 24°37'11 | 8♒12 | 3°59 | 0♋48 | 2°51 | 12°51 | 20° 9 | 20°19 | 10° 9 | 14° 9 | 27°21 | 26°14 | 8°33 | 11°27 | S 10 |
| S 11 | 15 38 8 | 25°34'39 | 22°19 | 4°20 | 1°58 | 2°52 | 12°57 | 20° 4 | 20°23 | 10°10 | 14°10 | 27°D20 | 26°11 | 8°39 | 11°31 | S 11 |
| M12 | 15 42 5 | 26°32'06 | 6♓ 6 | 4°45 | 3° 9 | 2°53 | 13° 4 | 20° 0 | 20°26 | 10°11 | 14°11 | 27°20 | 26° 8 | 8°46 | 11°35 | M12 |
| T 13 | 15 46 1 | 27°29'32 | 19°33 | 5°14 | 4°19 | 2°R54 | 13°11 | 19°55 | 20°30 | 10°12 | 14°13 | 27°22 | 26° 5 | 8°53 | 11°40 | T 13 |
| W14 | 15 49 58 | 28°26'58 | 2♈43 | 5°48 | 5°29 | 2°53 | 13°18 | 19°51 | 20°33 | 10°13 | 14°14 | 27°23 | 26° 1 | 9° 0 | 11°44 | W14 |
| T 15 | 15 53 54 | 29°24'23 | 15°36 | 6°26 | 6°39 | 2°52 | 13°25 | 19°47 | 20°36 | 10°14 | 14°15 | 27°24 | 25°58 | 9° 6 | 11°48 | T 15 |
| F 16 | 15 57 51 | 0♊21'47 | 28°16 | 7° 8 | 7°49 | 2°50 | 13°32 | 19°42 | 20°40 | 10°15 | 14°16 | 27°R25 | 25°55 | 9°13 | 11°52 | F 16 |
| S 17 | 16 1 47 | 1°19'11 | 10♉44 | 7°53 | 8°59 | 2°47 | 13°40 | 19°38 | 20°43 | 10°16 | 14°17 | 27°24 | 25°52 | 9°20 | 11°56 | S 17 |
| S 18 | 16 5 44 | 2°16'34 | 23° 2 | 8°43 | 10° 9 | 2°43 | 13°47 | 19°34 | 20°47 | 10°17 | 14°18 | 27°22 | 25°49 | 9°26 | 12° 0 | S 18 |
| M19 | 16 9 40 | 3°13'56 | 5♊12 | 9°36 | 11°18 | 2°39 | 13°55 | 19°29 | 20°50 | 10°18 | 14°19 | 27°17 | 25°46 | 9°33 | 12° 4 | M19 |
| T 20 | 16 13 37 | 4°11'17 | 17°14 | 10°32 | 12°28 | 2°34 | 14° 3 | 19°25 | 20°54 | 10°19 | 14°20 | 27°12 | 25°42 | 9°40 | 12° 8 | T 20 |
| W21 | 16 17 34 | 5° 8'38 | 29°10 | 11°33 | 13°37 | 2°28 | 14°11 | 19°21 | 20°57 | 10°20 | 14°21 | 27° 5 | 25°39 | 9°47 | 12°12 | W21 |
| T 22 | 16 21 30 | 6° 5'57 | 11♋ 3 | 12°36 | 14°47 | 2°21 | 14°19 | 19°17 | 21° 1 | 10°21 | 14°22 | 26°58 | 25°36 | 9°53 | 12°16 | T 22 |
| F 23 | 16 25 27 | 7° 3'16 | 22°55 | 13°43 | 15°56 | 2°14 | 14°27 | 19°13 | 21° 4 | 10°23 | 14°23 | 26°51 | 25°33 | 10° 0 | 12°20 | F 23 |
| S 24 | 16 29 23 | 8° 0'34 | 4♌47 | 14°54 | 17° 5 | 2° 6 | 14°35 | 19° 9 | 21° 7 | 10°24 | 14°23 | 26°46 | 25°30 | 10° 7 | 12°24 | S 24 |
| S 25 | 16 33 20 | 8°57'51 | 16°45 | 16° 7 | 18°14 | 1°57 | 14°43 | 19° 5 | 21°11 | 10°25 | 14°24 | 26°41 | 25°26 | 10°13 | 12°27 | S 25 |
| M26 | 16 37 16 | 9°55'07 | 28°51 | 17°24 | 19°23 | 1°48 | 14°52 | 19° 1 | 21°14 | 10°26 | 14°25 | 26°39 | 25°23 | 10°20 | 12°31 | M26 |
| T 27 | 16 41 13 | 10°52'22 | 11♍ 9 | 18°44 | 20°32 | 1°38 | 15° 1 | 18°57 | 21°18 | 10°28 | 14°26 | 26°D38 | 25°20 | 10°27 | 12°35 | T 27 |
| W28 | 16 45 10 | 11°49'36 | 23°46 | 20° 8 | 21°41 | 1°27 | 15° 9 | 18°53 | 21°21 | 10°29 | 14°27 | 26°39 | 25°17 | 10°34 | 12°39 | W28 |
| T 29 | 16 49 6 | 12°46'49 | 6♎44 | 21°34 | 22°49 | 1°15 | 15°18 | 18°49 | 21°24 | 10°30 | 14°28 | 26°40 | 25°14 | 10°40 | 12°43 | T 29 |
| F 30 | 16 53 3 | 13°44'02 | 20° 8 | 23° 3 | 23°58 | 1° 3 | 15°27 | 18°45 | 21°28 | 10°32 | 14°29 | 26°R41 | 25°11 | 10°47 | 12°47 | F 30 |
| S 31 | 16 56 59 | 14♊41'14 | 3♏59 | 24♉36 | 25♋ 6 | 0♑51 | 15♌36 | 18♏41 | 21♉31 | 10♌33 | 14♈29 | 26♎41 | 25♎ 7 | 10♋54 | 12♉50 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n42 | 1s47 | 2s33 | 10n53 | 2s13 | 24n54 | 1n43 | 25s 8 | 1s36 | 18n18 | 1n 4 | 15s49 | 2n18 | 17n32 | 0s15 | 18n 7 | 0n19 | 9s58 | 16s50 | 10s40 | 10s21 | 18n29 | 14n 1 | 1s12 |
| F 2 | 16 59 | 6 5 | 1 25 | 10 34 | 2 26 | 25 1 | 1 45 | 25 12 | 1 39 | 18 17 | 1 4 | 15 48 | 2 18 | 17 33 | 0 15 | 18 7 | 0 19 | 9 58 | 16 50 | 10 40 | 10 20 | 18 28 | 14 2 | 1 12 |
| S 3 | 17 15 | 10 11 | 0 10 | 10 18 | 2 38 | 25 7 | 1 47 | 25 15 | 1 43 | 18 15 | 1 4 | 15 47 | 2 18 | 17 34 | 0 15 | 18 7 | 0 19 | 9 57 | 16 50 | 10 40 | 10 19 | 18 28 | 14 3 | 1 12 |
| S 4 | 17 31 | 13 50 | 1n 8 | 10 4 | 2 49 | 25 13 | 1 49 | 25 19 | 1 47 | 18 13 | 1 3 | 15 46 | 2 18 | 17 35 | 0 15 | 18 7 | 0 19 | 9 57 | 16 50 | 10 40 | 10 17 | 18 27 | 14 4 | 1 12 |
| M 5 | 17 47 | 16 42 | 2 24 | 9 53 | 3 0 | 25 17 | 1 50 | 25 22 | 1 50 | 18 12 | 1 3 | 15 44 | 2 18 | 17 36 | 0 15 | 18 7 | 0 19 | 9 57 | 16 51 | 10 40 | 10 16 | 18 26 | 14 6 | 1 12 |
| T 6 | 18 2 | 18 31 | 3 30 | 9 44 | 3 9 | 25 22 | 1 52 | 25 26 | 1 54 | 18 10 | 1 3 | 15 43 | 2 18 | 17 37 | 0 15 | 18 6 | 0 19 | 9 57 | 16 51 | 10 39 | 10 15 | 18 26 | 14 7 | 1 12 |
| W 7 | 18 17 | 19 3 | 4 23 | 9 37 | 3 16 | 25 25 | 1 54 | 25 30 | 1 58 | 18 8 | 1 3 | 15 42 | 2 18 | 17 38 | 0 15 | 18 6 | 0 19 | 9 56 | 16 51 | 10 38 | 10 14 | 18 25 | 14 8 | 1 12 |
| T 8 | 18 32 | 18 17 | 4 58 | 9 33 | 3 23 | 25 28 | 1 55 | 25 33 | 2 2 | 18 6 | 1 3 | 15 41 | 2 18 | 17 39 | 0 15 | 18 6 | 0 19 | 9 56 | 16 51 | 10 37 | 10 13 | 18 24 | 14 9 | 1 12 |
| F 9 | 18 47 | 16 18 | 5 13 | 9 32 | 3 29 | 25 30 | 1 56 | 25 37 | 2 6 | 18 4 | 1 3 | 15 40 | 2 18 | 17 40 | 0 14 | 18 6 | 0 19 | 9 56 | 16 51 | 10 35 | 10 12 | 18 24 | 14 10 | 1 12 |
| S 10 | 19 1 | 13 20 | 5 8 | 9 33 | 3 34 | 25 31 | 1 58 | 25 41 | 2 10 | 18 2 | 1 3 | 15 39 | 2 18 | 17 41 | 0 14 | 18 6 | 0 19 | 9 56 | 16 52 | 10 35 | 10 10 | 18 23 | 14 12 | 1 12 |
| S 11 | 19 15 | 9 39 | 4 45 | 9 37 | 3 37 | 25 31 | 1 59 | 25 45 | 2 14 | 18 0 | 1 3 | 15 38 | 2 18 | 17 42 | 0 14 | 18 5 | 0 19 | 9 55 | 16 52 | 10 34 | 10 9 | 18 22 | 14 13 | 1 12 |
| M12 | 19 28 | 5 31 | 4 5 | 9 43 | 3 40 | 25 31 | 2 0 | 25 49 | 2 18 | 17 58 | 1 3 | 15 37 | 2 18 | 17 43 | 0 14 | 18 5 | 0 19 | 9 55 | 16 52 | 10 35 | 10 8 | 18 22 | 14 14 | 1 13 |
| T 13 | 19 42 | 1 12 | 3 13 | 9 51 | 3 42 | 25 30 | 2 2 | 25 53 | 2 22 | 17 56 | 1 2 | 15 36 | 2 18 | 17 43 | 0 14 | 18 5 | 0 19 | 9 55 | 16 52 | 10 35 | 10 7 | 18 21 | 14 15 | 1 13 |
| W14 | 19 55 | 3n 5 | 2 11 | 10 1 | 3 43 | 25 29 | 2 3 | 25 57 | 2 26 | 17 54 | 1 2 | 15 34 | 2 18 | 17 44 | 0 14 | 18 5 | 0 19 | 9 55 | 16 53 | 10 35 | 10 6 | 18 20 | 14 16 | 1 13 |
| T 15 | 20 7 | 7 9 | 1 4 | 10 14 | 3 42 | 25 27 | 2 4 | 26 2 | 2 30 | 17 52 | 1 2 | 15 33 | 2 18 | 17 45 | 0 14 | 18 4 | 0 19 | 9 55 | 16 53 | 10 36 | 10 5 | 18 20 | 14 17 | 1 13 |
| F 16 | 20 19 | 10 50 | 0s 5 | 10 28 | 3 41 | 25 24 | 2 4 | 26 6 | 2 35 | 17 50 | 1 2 | 15 32 | 2 18 | 17 46 | 0 14 | 18 4 | 0 19 | 9 54 | 16 53 | 10 36 | 10 4 | 18 19 | 14 19 | 1 13 |
| S 17 | 20 31 | 13 58 | 1 12 | 10 45 | 3 40 | 25 20 | 2 5 | 26 10 | 2 39 | 17 48 | 1 2 | 15 31 | 2 17 | 17 47 | 0 14 | 18 4 | 0 19 | 9 54 | 16 53 | 10 36 | 10 2 | 18 18 | 14 20 | 1 13 |
| S 18 | 20 43 | 16 26 | 2 15 | 11 3 | 3 37 | 25 15 | 2 6 | 26 15 | 2 43 | 17 45 | 1 2 | 15 30 | 2 17 | 17 48 | 0 14 | 18 4 | 0 19 | 9 54 | 16 54 | 10 35 | 10 1 | 18 17 | 14 21 | 1 13 |
| M19 | 20 54 | 18 8 | 3 11 | 11 23 | 3 33 | 25 10 | 2 7 | 26 19 | 2 47 | 17 43 | 1 2 | 15 29 | 2 17 | 17 49 | 0 14 | 18 3 | 0 19 | 9 54 | 16 54 | 10 33 | 10 0 | 18 17 | 14 22 | 1 13 |
| T 20 | 21 5 | 18 59 | 3 58 | 11 44 | 3 29 | 25 5 | 2 7 | 26 23 | 2 52 | 17 41 | 1 2 | 15 28 | 2 17 | 17 50 | 0 14 | 18 3 | 0 19 | 9 54 | 16 54 | 10 31 | 9 59 | 18 16 | 14 23 | 1 13 |
| W21 | 21 16 | 18 59 | 4 34 | 12 8 | 3 24 | 24 58 | 2 8 | 26 28 | 2 56 | 17 38 | 1 2 | 15 27 | 2 17 | 17 51 | 0 14 | 18 3 | 0 19 | 9 54 | 16 54 | 10 29 | 9 58 | 18 15 | 14 24 | 1 14 |
| T 22 | 21 26 | 18 9 | 4 58 | 12 32 | 3 19 | 24 51 | 2 8 | 26 32 | 3 0 | 17 36 | 1 2 | 15 26 | 2 17 | 17 52 | 0 14 | 18 2 | 0 19 | 9 54 | 16 55 | 10 26 | 9 57 | 18 15 | 14 25 | 1 14 |
| F 23 | 21 35 | 16 31 | 5 9 | 12 58 | 3 13 | 24 43 | 2 8 | 26 37 | 3 5 | 17 33 | 1 1 | 15 25 | 2 17 | 17 53 | 0 14 | 18 2 | 0 19 | 9 53 | 16 55 | 10 24 | 9 55 | 18 14 | 14 26 | 1 14 |
| S 24 | 21 45 | 14 12 | 5 6 | 13 25 | 3 6 | 24 35 | 2 8 | 26 41 | 3 9 | 17 31 | 1 1 | 15 24 | 2 17 | 17 54 | 0 14 | 18 2 | 0 19 | 9 53 | 16 55 | 10 22 | 9 54 | 18 13 | 14 27 | 1 14 |
| S 25 | 21 54 | 11 16 | 4 51 | 13 54 | 2 58 | 24 26 | 2 8 | 26 46 | 3 14 | 17 28 | 1 1 | 15 23 | 2 16 | 17 55 | 0 14 | 18 1 | 0 19 | 9 53 | 16 55 | 10 20 | 9 53 | 18 12 | 14 29 | 1 14 |
| M26 | 22 3 | 7 50 | 4 22 | 14 23 | 2 50 | 24 16 | 2 8 | 26 50 | 3 18 | 17 26 | 1 1 | 15 22 | 2 16 | 17 55 | 0 14 | 18 1 | 0 19 | 9 53 | 16 56 | 10 20 | 9 52 | 18 12 | 14 30 | 1 14 |
| T 27 | 22 11 | 4 0 | 3 41 | 14 53 | 2 42 | 24 5 | 2 8 | 26 55 | 3 22 | 17 23 | 1 1 | 15 21 | 2 16 | 17 56 | 0 14 | 18 1 | 0 19 | 9 53 | 16 56 | 10 19 | 9 51 | 18 11 | 14 31 | 1 14 |
| W28 | 22 19 | 0s 5 | 2 48 | 15 24 | 2 33 | 23 54 | 2 8 | 26 59 | 3 27 | 17 20 | 1 1 | 15 20 | 2 16 | 17 57 | 0 14 | 18 0 | 0 19 | 9 53 | 16 56 | 10 19 | 9 50 | 18 10 | 14 32 | 1 14 |
| T 29 | 22 26 | 4 18 | 1 46 | 15 56 | 2 24 | 23 43 | 2 8 | 27 4 | 3 31 | 17 18 | 1 1 | 15 19 | 2 16 | 17 58 | 0 14 | 18 0 | 0 19 | 9 53 | 16 56 | 10 20 | 9 48 | 18 9 | 14 33 | 1 14 |
| F 30 | 22 33 | 8 27 | 0 35 | 16 28 | 2 14 | 23 30 | 2 7 | 27 8 | 3 35 | 17 15 | 1 1 | 15 18 | 2 16 | 17 59 | 0 14 | 18 0 | 0 19 | 9 53 | 16 57 | 10 20 | 9 47 | 18 9 | 14 34 | 1 15 |
| S 31 | 22n40 | 12s18 | 0n39 | 17n 1 | 2s 3 | 23n18 | 2n 7 | 27s13 | 3s40 | 17n12 | 1n 1 | 15s18 | 2n16 | 18n 0 | 0s14 | 17n59 | 0n19 | 9s53 | 16s57 | 10s20 | 9s46 | 18n 8 | 14n35 | 1s15 |

Julian Day Number = 2123683.5, Delta T = 17m35s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'34, Lahiri = 11°20'34 Julian Calendar 1 May 1102 == Greg. Calendar 8 May 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## JUNE 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 0 56 | 15♊38'25 | 18♏19 | 26♉11 | 26♋15 | 0°R38 | 15♌45 | 18°R37 | 21♉34 | 10♌34 | 14♈30 | 26°R39 | 25♎ 4 | 11♋ 0 | 12♉54 | S 1 |
| M 2 | 17 4 52 | 16°35'36 | 3♐ 3 | 27°50 | 27°23 | 0♑24 | 15°54 | 18♏34 | 21°37 | 10°36 | 14°31 | 26♎35 | 25° 1 | 11° 7 | 12°58 | M 2 |
| T 3 | 17 8 49 | 17°32'47 | 18° 5 | 29°32 | 28°31 | 0°10 | 16° 4 | 18°30 | 21°41 | 10°37 | 14°32 | 26°30 | 24°58 | 11°14 | 13° 1 | T 3 |
| W 4 | 17 12 45 | 18°29'57 | 3♑17 | 1♊16 | 29°39 | 29♐55 | 16°13 | 18°27 | 21°44 | 10°39 | 14°32 | 26°22 | 24°55 | 11°21 | 13° 5 | W 4 |
| T 5 | 17 16 42 | 19°27'07 | 18°28 | 3° 3 | 0♌46 | 29°40 | 16°23 | 18°23 | 21°47 | 10°40 | 14°33 | 26°15 | 24°52 | 11°27 | 13° 9 | T 5 |
| F 6 | 17 20 39 | 20°24'17 | 3♒27 | 4°54 | 1°54 | 29°24 | 16°32 | 18°20 | 21°50 | 10°42 | 14°34 | 26° 7 | 24°48 | 11°34 | 13°12 | F 6 |
| S 7 | 17 24 35 | 21°21'26 | 18° 8 | 6°46 | 3° 1 | 29° 8 | 16°42 | 18°16 | 21°54 | 10°43 | 14°34 | 26° 2 | 24°45 | 11°41 | 13°16 | S 7 |
| S 8 | 17 28 32 | 22°18'36 | 2♓24 | 8°42 | 4° 9 | 28°51 | 16°52 | 18°13 | 21°57 | 10°45 | 14°35 | 25°58 | 24°42 | 11°48 | 13°19 | S 8 |
| M 9 | 17 32 28 | 23°15'46 | 16°14 | 10°40 | 5°16 | 28°35 | 17° 2 | 18°10 | 22° 0 | 10°47 | 14°36 | 25°56 | 24°39 | 11°54 | 13°23 | M 9 |
| T 10 | 17 36 25 | 24°12'56 | 29°39 | 12°40 | 6°23 | 28°18 | 17°12 | 18° 7 | 22° 3 | 10°48 | 14°36 | 25°D56 | 24°36 | 12° 1 | 13°26 | T 10 |
| W11 | 17 40 21 | 25°10'06 | 12♈40 | 14°42 | 7°30 | 28° 0 | 17°22 | 18° 3 | 22° 6 | 10°50 | 14°37 | 25°57 | 24°32 | 12° 8 | 13°30 | W11 |
| T 12 | 17 44 18 | 26° 7'16 | 25°23 | 16°47 | 8°37 | 27°43 | 17°32 | 18° 0 | 22° 9 | 10°52 | 14°38 | 25°R57 | 24°29 | 12°14 | 13°33 | T 12 |
| F 13 | 17 48 14 | 27° 4'27 | 7♉50 | 18°53 | 9°43 | 27°25 | 17°42 | 17°57 | 22°12 | 10°53 | 14°38 | 25°57 | 24°26 | 12°21 | 13°36 | F 13 |
| S 14 | 17 52 11 | 28° 1'37 | 20° 4 | 21° 0 | 10°50 | 27° 7 | 17°52 | 17°55 | 22°15 | 10°55 | 14°39 | 25°54 | 24°23 | 12°28 | 13°40 | S 14 |
| S 15 | 17 56 8 | 28°58'48 | 2♊10 | 23° 8 | 11°56 | 26°49 | 18° 3 | 17°52 | 22°18 | 10°57 | 14°39 | 25°49 | 24°20 | 12°35 | 13°43 | S 15 |
| M16 | 18 0 4 | 29°56'00 | 14°10 | 25°17 | 13° 2 | 26°32 | 18°13 | 17°49 | 22°21 | 10°59 | 14°40 | 25°41 | 24°17 | 12°41 | 13°46 | M16 |
| T 17 | 18 4 1 | 0♋53'11 | 26° 6 | 27°27 | 14° 8 | 26°14 | 18°24 | 17°46 | 22°24 | 11° 0 | 14°40 | 25°31 | 24°13 | 12°48 | 13°49 | T 17 |
| W18 | 18 7 57 | 1°50'22 | 7♋58 | 29°37 | 15°14 | 25°56 | 18°35 | 17°44 | 22°27 | 11° 2 | 14°41 | 25°19 | 24°10 | 12°55 | 13°53 | W18 |
| T 19 | 18 11 54 | 2°47'34 | 19°50 | 1♌47 | 16°20 | 25°38 | 18°45 | 17°41 | 22°30 | 11° 4 | 14°41 | 25° 7 | 24° 7 | 13° 1 | 13°56 | T 19 |
| F 20 | 18 15 50 | 3°44'46 | 1♌42 | 3°57 | 17°25 | 25°21 | 18°56 | 17°39 | 22°33 | 11° 6 | 14°41 | 24°55 | 24° 4 | 13° 8 | 13°59 | F 20 |
| S 21 | 18 19 47 | 4°41'57 | 13°37 | 6° 6 | 18°30 | 25° 4 | 19° 7 | 17°37 | 22°35 | 11° 8 | 14°42 | 24°44 | 24° 1 | 13°15 | 14° 2 | S 21 |
| S 22 | 18 23 43 | 5°39'09 | 25°36 | 8°14 | 19°35 | 24°47 | 19°18 | 17°34 | 22°38 | 11°10 | 14°42 | 24°35 | 23°58 | 13°22 | 14° 5 | S 22 |
| M23 | 18 27 40 | 6°36'21 | 7♍42 | 10°21 | 20°40 | 24°30 | 19°29 | 17°32 | 22°41 | 11°11 | 14°43 | 24°30 | 23°54 | 13°28 | 14° 8 | M23 |
| T 24 | 18 31 37 | 7°33'33 | 20° 1 | 12°28 | 21°45 | 24°14 | 19°40 | 17°30 | 22°44 | 11°13 | 14°43 | 24°26 | 23°51 | 13°35 | 14°11 | T 24 |
| W25 | 18 35 33 | 8°30'45 | 2♎34 | 14°32 | 22°49 | 23°58 | 19°51 | 17°28 | 22°46 | 11°15 | 14°43 | 24°25 | 23°48 | 13°42 | 14°14 | W25 |
| T 26 | 18 39 30 | 9°27'57 | 15°28 | 16°36 | 23°53 | 23°43 | 20° 3 | 17°26 | 22°49 | 11°17 | 14°43 | 24°D25 | 23°45 | 13°49 | 14°16 | T 26 |
| F 27 | 18 43 26 | 10°25'09 | 28°46 | 18°38 | 24°57 | 23°28 | 20°14 | 17°24 | 22°52 | 11°19 | 14°44 | 24°R25 | 23°42 | 13°55 | 14°19 | F 27 |
| S 28 | 18 47 23 | 11°22'22 | 12♏31 | 20°38 | 26° 1 | 23°14 | 20°25 | 17°23 | 22°54 | 11°21 | 14°44 | 24°24 | 23°38 | 14° 2 | 14°22 | S 28 |
| S 29 | 18 51 19 | 12°19'34 | 26°44 | 22°37 | 27° 5 | 23° 0 | 20°37 | 17°21 | 22°57 | 11°23 | 14°44 | 24°21 | 23°35 | 14° 9 | 14°25 | S 29 |
| M30 | 18 55 16 | 13♋16'47 | 11♐25 | 24♋34 | 28♌ 8 | 22♐47 | 20♌48 | 17♏19 | 22♉59 | 11♌25 | 14♈44 | 24♎15 | 23♎32 | 14♋15 | 14♉27 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n47 | 15s32 | 1n54 | 17n34 | 1s53 | 23n 4 | 2n 6 | 27s17 | 3s44 | 17n 9 | 1n 1 | 15s17 | 2n15 | 18n 1 | 0s14 | 17n59 | 0n19 | 9s53 | 16s57 | 10s20 | 9s45 | 18n 7 | 14n36 | 1s15 |
| M 2 | 22 52 | 17 53 | 3 3 | 18 7 | 1 42 | 22 50 | 2 6 | 27 21 | 3 48 | 17 6 | 1 1 | 15 16 | 2 15 | 18 2 | 0 14 | 17 58 | 0 19 | 9 53 | 16 58 | 10 18 | 9 44 | 18 6 | 14 37 | 1 15 |
| T 3 | 22 58 | 19 1 | 4 1 | 18 40 | 1 31 | 22 35 | 2 5 | 27 26 | 3 52 | 17 4 | 1 1 | 15 15 | 2 15 | 18 2 | 0 14 | 17 58 | 0 19 | 9 53 | 16 58 | 10 16 | 9 43 | 18 6 | 14 38 | 1 15 |
| W 4 | 23 3 | 18 49 | 4 42 | 19 13 | 1 19 | 22 20 | 2 4 | 27 30 | 3 57 | 17 1 | 1 0 | 15 14 | 2 15 | 18 3 | 0 14 | 17 58 | 0 19 | 9 53 | 16 58 | 10 13 | 9 41 | 18 5 | 14 39 | 1 15 |
| T 5 | 23 8 | 17 16 | 5 3 | 19 45 | 1 8 | 22 4 | 2 3 | 27 34 | 4 1 | 16 58 | 1 0 | 15 13 | 2 15 | 18 4 | 0 14 | 17 57 | 0 19 | 9 53 | 16 59 | 10 11 | 9 40 | 18 4 | 14 40 | 1 15 |
| F 6 | 23 12 | 14 33 | 5 4 | 20 17 | 0 56 | 21 48 | 2 1 | 27 38 | 4 5 | 16 55 | 1 0 | 15 13 | 2 15 | 18 5 | 0 14 | 17 57 | 0 19 | 9 53 | 16 59 | 10 8 | 9 39 | 18 3 | 14 41 | 1 15 |
| S 7 | 23 16 | 10 58 | 4 44 | 20 49 | 0 45 | 21 31 | 2 0 | 27 42 | 4 9 | 16 52 | 1 0 | 15 12 | 2 14 | 18 6 | 0 14 | 17 56 | 0 19 | 9 53 | 16 59 | 10 6 | 9 38 | 18 3 | 14 42 | 1 16 |
| S 8 | 23 20 | 6 50 | 4 7 | 21 19 | 0 33 | 21 14 | 1 59 | 27 45 | 4 12 | 16 49 | 1 0 | 15 11 | 2 14 | 18 7 | 0 14 | 17 56 | 0 19 | 9 53 | 17 0 | 10 5 | 9 37 | 18 2 | 14 43 | 1 16 |
| M 9 | 23 23 | 2 27 | 3 16 | 21 48 | 0 21 | 20 56 | 1 57 | 27 49 | 4 16 | 16 46 | 1 0 | 15 10 | 2 14 | 18 7 | 0 14 | 17 55 | 0 19 | 9 53 | 17 0 | 10 4 | 9 36 | 18 1 | 14 43 | 1 16 |
| T 10 | 23 26 | 1n56 | 2 16 | 22 16 | 0 10 | 20 38 | 1 56 | 27 52 | 4 20 | 16 42 | 1 0 | 15 10 | 2 14 | 18 8 | 0 14 | 17 55 | 0 19 | 9 53 | 17 0 | 10 4 | 9 34 | 18 0 | 14 44 | 1 16 |
| W11 | 23 28 | 6 7 | 1 11 | 22 42 | 0n 1 | 20 19 | 1 54 | 27 56 | 4 23 | 16 39 | 1 0 | 15 9 | 2 14 | 18 9 | 0 14 | 17 55 | 0 19 | 9 53 | 17 0 | 10 4 | 9 33 | 17 59 | 14 45 | 1 16 |
| T 12 | 23 30 | 9 55 | 0 3 | 23 6 | 0 12 | 20 0 | 1 52 | 27 59 | 4 27 | 16 36 | 1 0 | 15 8 | 2 13 | 18 10 | 0 14 | 17 54 | 0 19 | 9 53 | 17 1 | 10 4 | 9 32 | 17 59 | 14 46 | 1 16 |
| F 13 | 23 31 | 13 12 | 1s 3 | 23 28 | 0 23 | 19 40 | 1 50 | 28 2 | 4 30 | 16 33 | 1 0 | 15 8 | 2 13 | 18 11 | 0 14 | 17 54 | 0 19 | 9 53 | 17 1 | 10 4 | 9 31 | 17 58 | 14 47 | 1 16 |
| S 14 | 23 32 | 15 50 | 2 5 | 23 48 | 0 33 | 19 20 | 1 48 | 28 5 | 4 34 | 16 30 | 1 0 | 15 7 | 2 13 | 18 11 | 0 14 | 17 53 | 0 19 | 9 54 | 17 1 | 10 3 | 9 30 | 17 57 | 14 48 | 1 17 |
| S 15 | 23 33 | 17 45 | 3 0 | 24 6 | 0 43 | 18 59 | 1 46 | 28 8 | 4 37 | 16 26 | 1 0 | 15 7 | 2 13 | 18 12 | 0 14 | 17 53 | 0 19 | 9 54 | 17 2 | 10 1 | 9 29 | 17 56 | 14 49 | 1 17 |
| M16 | 23 33 | 18 51 | 3 47 | 24 21 | 0 52 | 18 38 | 1 43 | 28 10 | 4 40 | 16 23 | 1 0 | 15 6 | 2 13 | 18 13 | 0 14 | 17 52 | 0 19 | 9 54 | 17 2 | 9 58 | 9 27 | 17 56 | 14 50 | 1 17 |
| T 17 | 23 33 | 19 6 | 4 24 | 24 33 | 1 1 | 18 17 | 1 41 | 28 13 | 4 43 | 16 20 | 1 0 | 15 6 | 2 12 | 18 14 | 0 14 | 17 52 | 0 19 | 9 54 | 17 2 | 9 55 | 9 26 | 17 55 | 14 50 | 1 17 |
| W18 | 23 32 | 18 31 | 4 48 | 24 42 | 1 9 | 17 55 | 1 38 | 28 15 | 4 46 | 16 16 | 1 0 | 15 5 | 2 12 | 18 14 | 0 14 | 17 51 | 0 19 | 9 54 | 17 3 | 9 50 | 9 25 | 17 54 | 14 51 | 1 17 |
| T 19 | 23 31 | 17 7 | 5 1 | 24 49 | 1 17 | 17 32 | 1 36 | 28 17 | 4 48 | 16 13 | 0 59 | 15 5 | 2 12 | 18 15 | 0 14 | 17 51 | 0 19 | 9 54 | 17 3 | 9 46 | 9 24 | 17 53 | 14 52 | 1 17 |
| F 20 | 23 30 | 15 0 | 5 0 | 24 53 | 1 23 | 17 10 | 1 33 | 28 19 | 4 51 | 16 10 | 0 59 | 15 4 | 2 12 | 18 16 | 0 14 | 17 50 | 0 19 | 9 54 | 17 3 | 9 41 | 9 23 | 17 52 | 14 53 | 1 17 |
| S 21 | 23 28 | 12 15 | 4 46 | 24 54 | 1 29 | 16 47 | 1 30 | 28 21 | 4 53 | 16 6 | 0 59 | 15 4 | 2 12 | 18 17 | 0 14 | 17 50 | 0 19 | 9 54 | 17 4 | 9 37 | 9 21 | 17 52 | 14 54 | 1 18 |
| S 22 | 23 26 | 8 59 | 4 19 | 24 52 | 1 34 | 16 23 | 1 27 | 28 22 | 4 55 | 16 3 | 0 59 | 15 3 | 2 11 | 18 17 | 0 14 | 17 49 | 0 19 | 9 55 | 17 4 | 9 34 | 9 20 | 17 51 | 14 54 | 1 18 |
| M23 | 23 23 | 5 18 | 3 41 | 24 47 | 1 39 | 16 0 | 1 24 | 28 24 | 4 58 | 15 59 | 0 59 | 15 3 | 2 11 | 18 18 | 0 14 | 17 49 | 0 19 | 9 55 | 17 4 | 9 32 | 9 19 | 17 50 | 14 55 | 1 18 |
| T 24 | 23 20 | 1 21 | 2 52 | 24 40 | 1 43 | 15 36 | 1 21 | 28 25 | 5 0 | 15 55 | 0 59 | 15 2 | 2 11 | 18 19 | 0 14 | 17 48 | 0 19 | 9 55 | 17 5 | 9 31 | 9 18 | 17 49 | 14 56 | 1 18 |
| W25 | 23 17 | 2s45 | 1 53 | 24 30 | 1 46 | 15 11 | 1 17 | 28 26 | 5 1 | 15 52 | 0 59 | 15 2 | 2 11 | 18 19 | 0 14 | 17 48 | 0 19 | 9 55 | 17 5 | 9 30 | 9 17 | 17 48 | 14 56 | 1 18 |
| T 26 | 23 13 | 6 51 | 0 47 | 24 18 | 1 48 | 14 47 | 1 14 | 28 27 | 5 3 | 15 48 | 0 59 | 15 2 | 2 10 | 18 20 | 0 14 | 17 47 | 0 19 | 9 55 | 17 6 | 9 30 | 9 16 | 17 47 | 14 57 | 1 18 |
| F 27 | 23 9 | 10 44 | 0n23 | 24 3 | 1 49 | 14 22 | 1 10 | 28 28 | 5 5 | 15 45 | 0 59 | 15 2 | 2 10 | 18 21 | 0 14 | 17 47 | 0 19 | 9 56 | 17 6 | 9 30 | 9 14 | 17 47 | 14 58 | 1 18 |
| S 28 | 23 4 | 14 10 | 1 34 | 23 46 | 1 50 | 13 57 | 1 6 | 28 28 | 5 6 | 15 41 | 0 59 | 15 1 | 2 10 | 18 21 | 0 14 | 17 46 | 0 20 | 9 56 | 17 6 | 9 30 | 9 13 | 17 46 | 14 58 | 1 19 |
| S 29 | 22 59 | 16 53 | 2 42 | 23 28 | 1 50 | 13 31 | 1 2 | 28 29 | 5 7 | 15 37 | 0 59 | 15 1 | 2 10 | 18 22 | 0 14 | 17 46 | 0 20 | 9 56 | 17 7 | 9 29 | 9 12 | 17 45 | 14 59 | 1 19 |
| M30 | 22n53 | 18s36 | 3n41 | 23n 7 | 1n50 | 13n 5 | 0n58 | 28s29 | 5s 9 | 15n34 | 0n59 | 15s 1 | 2n10 | 18n23 | 0s14 | 17n45 | 0n20 | 9s56 | 17s 7 | 9s27 | 9s11 | 17n44 | 15n 0 | 1s19 |

Julian Day Number = 2123714.5, Delta T = 17m35s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'38, Lahiri = 11°20'38 Julian Calendar 1 June 1102 == Greg. Calendar 8 June 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## JULY 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 59 12 | 14♋14'01 | 26♐28 | 26♋29 | 29♌11 | 22°R34 | 21♌ 0 | 17°R18 | 23♉ 2 | 11♌27 | 14♈45 | 24°R 8 | 23♎29 | 14♋22 | 14♉30 | T 1 |
| W 2 | 19 3 9 | 15°11'15 | 11♑45 | 28°23 | 0♍14 | 22♐22 | 21°11 | 17♏17 | 23° 4 | 11°29 | 14°45 | 23♎58 | 23°26 | 14°29 | 14°32 | W 2 |
| T 3 | 19 7 6 | 16° 8'29 | 27° 6 | 0♌15 | 1°16 | 22°11 | 21°23 | 17°15 | 23° 7 | 11°31 | 14°45 | 23°47 | 23°23 | 14°36 | 14°35 | T 3 |
| F 4 | 19 11 2 | 17° 5'44 | 12♒17 | 2° 5 | 2°18 | 22° 0 | 21°35 | 17°14 | 23° 9 | 11°33 | 14°45 | 23°37 | 23°19 | 14°42 | 14°37 | F 4 |
| S 5 | 19 14 59 | 18° 3'00 | 27°10 | 3°53 | 3°20 | 21°50 | 21°46 | 17°13 | 23°12 | 11°35 | 14°45 | 23°29 | 23°16 | 14°49 | 14°40 | S 5 |
| S 6 | 19 18 55 | 19° 0'17 | 11♓37 | 5°40 | 4°22 | 21°41 | 21°58 | 17°12 | 23°14 | 11°37 | 14°45 | 23°23 | 23°13 | 14°56 | 14°42 | S 6 |
| M 7 | 19 22 52 | 19°57'34 | 25°35 | 7°25 | 5°23 | 21°32 | 22°10 | 17°11 | 23°16 | 11°39 | 14°45 | 23°19 | 23°10 | 15° 2 | 14°44 | M 7 |
| T 8 | 19 26 48 | 20°54'53 | 9♈ 4 | 9° 8 | 6°24 | 21°25 | 22°22 | 17°10 | 23°18 | 11°42 | 14°45 | 23°18 | 23° 7 | 15° 9 | 14°47 | T 8 |
| W 9 | 19 30 45 | 21°52'13 | 22° 6 | 10°49 | 7°25 | 21°18 | 22°34 | 17°10 | 23°21 | 11°44 | 14°R45 | 23°18 | 23° 4 | 15°16 | 14°49 | W 9 |
| T 10 | 19 34 41 | 22°49'34 | 4♉46 | 12°29 | 8°25 | 21°11 | 22°46 | 17° 9 | 23°23 | 11°46 | 14°45 | 23°17 | 23° 0 | 15°23 | 14°51 | T 10 |
| F 11 | 19 38 38 | 23°46'56 | 17° 8 | 14° 7 | 9°26 | 21° 6 | 22°58 | 17° 8 | 23°25 | 11°48 | 14°45 | 23°16 | 22°57 | 15°29 | 14°53 | F 11 |
| S 12 | 19 42 35 | 24°44'19 | 29°17 | 15°43 | 10°25 | 21° 1 | 23°10 | 17° 8 | 23°27 | 11°50 | 14°45 | 23°13 | 22°54 | 15°36 | 14°55 | S 12 |
| S 13 | 19 46 31 | 25°41'43 | 11♊17 | 17°18 | 11°25 | 20°58 | 23°22 | 17° 8 | 23°29 | 11°52 | 14°45 | 23° 7 | 22°51 | 15°43 | 14°57 | S 13 |
| M14 | 19 50 28 | 26°39'09 | 23°11 | 18°51 | 12°24 | 20°55 | 23°35 | 17° 7 | 23°31 | 11°54 | 14°45 | 22°58 | 22°48 | 15°50 | 14°59 | M14 |
| T 15 | 19 54 24 | 27°36'35 | 5♋ 3 | 20°22 | 13°22 | 20°53 | 23°47 | 17° 7 | 23°33 | 11°57 | 14°45 | 22°46 | 22°44 | 15°56 | 15° 1 | T 15 |
| W16 | 19 58 21 | 28°34'03 | 16°54 | 21°51 | 14°21 | 20°51 | 23°59 | 17°D 7 | 23°35 | 11°59 | 14°45 | 22°33 | 22°41 | 16° 3 | 15° 3 | W16 |
| T 17 | 20 2 17 | 29°31'32 | 28°47 | 23°19 | 15°18 | 20°D51 | 24°12 | 17° 7 | 23°37 | 12° 1 | 14°45 | 22°19 | 22°38 | 16°10 | 15° 5 | T 17 |
| F 18 | 20 6 14 | 0♌29'02 | 10♌43 | 24°45 | 16°16 | 20°51 | 24°24 | 17° 8 | 23°39 | 12° 3 | 14°44 | 22° 6 | 22°35 | 16°16 | 15° 6 | F 18 |
| S 19 | 20 10 10 | 1°26'32 | 22°43 | 26° 9 | 17°13 | 20°53 | 24°36 | 17° 8 | 23°40 | 12° 5 | 14°44 | 21°54 | 22°32 | 16°23 | 15° 8 | S 19 |
| S 20 | 20 14 7 | 2°24'04 | 4♍49 | 27°31 | 18°10 | 20°55 | 24°49 | 17° 8 | 23°42 | 12° 8 | 14°44 | 21°44 | 22°29 | 16°30 | 15°10 | S 20 |
| M21 | 20 18 4 | 3°21'37 | 17° 2 | 28°51 | 19° 6 | 20°58 | 25° 1 | 17° 9 | 23°44 | 12°10 | 14°44 | 21°37 | 22°25 | 16°37 | 15°11 | M21 |
| T 22 | 20 22 0 | 4°19'11 | 29°26 | 0♍10 | 20° 1 | 21° 2 | 25°14 | 17° 9 | 23°46 | 12°12 | 14°44 | 21°33 | 22°22 | 16°43 | 15°13 | T 22 |
| W23 | 20 25 57 | 5°16'45 | 12♎ 3 | 1°26 | 20°57 | 21° 6 | 25°27 | 17°10 | 23°47 | 12°14 | 14°43 | 21°31 | 22°19 | 16°50 | 15°14 | W23 |
| T 24 | 20 29 53 | 6°14'21 | 24°56 | 2°41 | 21°51 | 21°12 | 25°39 | 17°10 | 23°49 | 12°16 | 14°43 | 21°D31 | 22°16 | 16°57 | 15°16 | T 24 |
| F 25 | 20 33 50 | 7°11'58 | 8♏10 | 3°53 | 22°45 | 21°18 | 25°52 | 17°11 | 23°50 | 12°19 | 14°43 | 21°R31 | 22°13 | 17° 3 | 15°17 | F 25 |
| S 26 | 20 37 46 | 8° 9'36 | 21°48 | 5° 4 | 23°39 | 21°25 | 26° 4 | 17°12 | 23°52 | 12°21 | 14°42 | 21°30 | 22°10 | 17°10 | 15°18 | S 26 |
| S 27 | 20 41 43 | 9° 7'14 | 5♐51 | 6°12 | 24°32 | 21°33 | 26°17 | 17°13 | 23°53 | 12°23 | 14°42 | 21°28 | 22° 6 | 17°17 | 15°19 | S 27 |
| M28 | 20 45 39 | 10° 4'54 | 20°20 | 7°17 | 25°24 | 21°42 | 26°30 | 17°14 | 23°55 | 12°25 | 14°42 | 21°23 | 22° 3 | 17°24 | 15°21 | M28 |
| T 29 | 20 49 36 | 11° 2'35 | 5♑11 | 8°21 | 26°16 | 21°51 | 26°43 | 17°16 | 23°56 | 12°27 | 14°41 | 21°16 | 22° 0 | 17°30 | 15°22 | T 29 |
| W30 | 20 53 33 | 12° 0'17 | 20°17 | 9°21 | 27° 7 | 22° 1 | 26°55 | 17°17 | 23°57 | 12°30 | 14°41 | 21° 7 | 21°57 | 17°37 | 15°23 | W30 |
| T 31 | 20 57 29 | 12♌58'01 | 5♒30 | 10♍20 | 27♍58 | 22♐12 | 27♌ 8 | 17♏18 | 23♉58 | 12♌32 | 14♈40 | 20♎57 | 21♎54 | 17♋44 | 15♉24 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n47 | 19s 4 | 4n27 | 22n44 | 1n49 | 12n39 | 0n54 | 28s30 | 5s10 | 15n30 | 0n59 | 15s 1 | 2n 9 | 18n23 | 0s14 | 17n44 | 0n20 | 9s57 | 17s 7 | 9s24 | 9s10 | 17n43 | 15n 0 | 1s19 |
| W 2 | 22 41 | 18 9 | 4 54 | 22 20 | 1 47 | 12 13 | 0 50 | 28 30 | 5 10 | 15 26 | 0 59 | 15 0 | 2 9 | 18 24 | 0 14 | 17 44 | 0 20 | 9 57 | 17 8 | 9 20 | 9 9 | 17 42 | 15 1 | 1 19 |
| T 3 | 22 34 | 15 56 | 5 0 | 21 54 | 1 45 | 11 47 | 0 45 | 28 30 | 5 11 | 15 22 | 0 59 | 15 0 | 2 9 | 18 24 | 0 14 | 17 43 | 0 20 | 9 57 | 17 8 | 9 16 | 9 7 | 17 42 | 15 2 | 1 19 |
| F 4 | 22 27 | 12 38 | 4 45 | 21 27 | 1 42 | 11 20 | 0 41 | 28 30 | 5 12 | 15 18 | 0 59 | 15 0 | 2 9 | 18 25 | 0 14 | 17 43 | 0 20 | 9 57 | 17 8 | 9 13 | 9 6 | 17 41 | 15 2 | 1 19 |
| S 5 | 22 20 | 8 35 | 4 11 | 20 58 | 1 38 | 10 54 | 0 36 | 28 30 | 5 12 | 15 15 | 0 59 | 15 0 | 2 8 | 18 26 | 0 14 | 17 42 | 0 20 | 9 58 | 17 9 | 9 10 | 9 5 | 17 40 | 15 3 | 1 20 |
| S 6 | 22 12 | 4 8 | 3 21 | 20 28 | 1 35 | 10 27 | 0 31 | 28 29 | 5 13 | 15 11 | 0 59 | 15 0 | 2 8 | 18 26 | 0 14 | 17 42 | 0 20 | 9 58 | 17 9 | 9 7 | 9 4 | 17 39 | 15 3 | 1 20 |
| M 7 | 22 4 | 0n23 | 2 21 | 19 57 | 1 30 | 9 59 | 0 27 | 28 29 | 5 13 | 15 7 | 0 59 | 15 0 | 2 8 | 18 27 | 0 14 | 17 41 | 0 20 | 9 58 | 17 9 | 9 6 | 9 3 | 17 38 | 15 4 | 1 20 |
| T 8 | 21 55 | 4 45 | 1 15 | 19 26 | 1 25 | 9 32 | 0 22 | 28 29 | 5 13 | 15 3 | 0 59 | 15 0 | 2 8 | 18 27 | 0 14 | 17 40 | 0 20 | 9 59 | 17 10 | 9 6 | 9 1 | 17 37 | 15 4 | 1 20 |
| W 9 | 21 46 | 8 45 | 0 6 | 18 53 | 1 20 | 9 5 | 0 16 | 28 28 | 5 13 | 14 59 | 0 59 | 15 0 | 2 7 | 18 28 | 0 14 | 17 40 | 0 20 | 9 59 | 17 10 | 9 5 | 9 0 | 17 37 | 15 5 | 1 20 |
| T 10 | 21 37 | 12 14 | 1s 0 | 18 20 | 1 14 | 8 37 | 0 11 | 28 28 | 5 13 | 14 55 | 0 59 | 15 0 | 2 7 | 18 29 | 0 14 | 17 39 | 0 20 | 9 59 | 17 10 | 9 5 | 8 59 | 17 36 | 15 5 | 1 20 |
| F 11 | 21 27 | 15 4 | 2 2 | 17 45 | 1 8 | 8 10 | 0 6 | 28 27 | 5 13 | 14 51 | 0 59 | 15 0 | 2 7 | 18 29 | 0 14 | 17 39 | 0 20 | 10 0 | 17 11 | 9 5 | 8 58 | 17 35 | 15 6 | 1 21 |
| S 12 | 21 17 | 17 12 | 2 58 | 17 11 | 1 2 | 7 42 | 0 0 | 28 27 | 5 12 | 14 47 | 0 59 | 15 0 | 2 7 | 18 30 | 0 14 | 17 38 | 0 20 | 10 0 | 17 11 | 9 4 | 8 57 | 17 34 | 15 6 | 1 21 |
| S 13 | 21 6 | 18 32 | 3 44 | 16 36 | 0 55 | 7 14 | 0s 5 | 28 26 | 5 12 | 14 43 | 0 59 | 15 1 | 2 6 | 18 30 | 0 14 | 17 38 | 0 20 | 10 0 | 17 11 | 9 1 | 8 56 | 17 33 | 15 7 | 1 21 |
| M14 | 20 55 | 19 2 | 4 21 | 16 0 | 0 47 | 6 46 | 0 11 | 28 25 | 5 12 | 14 39 | 0 59 | 15 1 | 2 6 | 18 31 | 0 14 | 17 37 | 0 20 | 10 1 | 17 12 | 8 58 | 8 54 | 17 32 | 15 7 | 1 21 |
| T 15 | 20 44 | 18 42 | 4 46 | 15 24 | 0 40 | 6 18 | 0 17 | 28 24 | 5 11 | 14 35 | 0 59 | 15 1 | 2 6 | 18 31 | 0 14 | 17 36 | 0 20 | 10 1 | 17 12 | 8 54 | 8 53 | 17 31 | 15 7 | 1 21 |
| W16 | 20 33 | 17 33 | 4 58 | 14 48 | 0 32 | 5 50 | 0 23 | 28 24 | 5 10 | 14 31 | 0 59 | 15 1 | 2 6 | 18 32 | 0 14 | 17 36 | 0 20 | 10 1 | 17 12 | 8 49 | 8 52 | 17 30 | 15 8 | 1 21 |
| T 17 | 20 21 | 15 38 | 4 58 | 14 11 | 0 24 | 5 22 | 0 29 | 28 23 | 5 10 | 14 26 | 0 59 | 15 1 | 2 5 | 18 32 | 0 14 | 17 35 | 0 20 | 10 2 | 17 13 | 8 44 | 8 51 | 17 30 | 15 8 | 1 22 |
| F 18 | 20 9 | 13 4 | 4 44 | 13 35 | 0 15 | 4 54 | 0 35 | 28 22 | 5 9 | 14 22 | 0 59 | 15 2 | 2 5 | 18 32 | 0 14 | 17 35 | 0 20 | 10 2 | 17 13 | 8 39 | 8 50 | 17 29 | 15 8 | 1 22 |
| S 19 | 19 56 | 9 56 | 4 18 | 12 58 | 0 7 | 4 26 | 0 42 | 28 21 | 5 8 | 14 18 | 0 59 | 15 2 | 2 5 | 18 33 | 0 14 | 17 34 | 0 20 | 10 2 | 17 13 | 8 34 | 8 48 | 17 28 | 15 9 | 1 22 |
| S 20 | 19 43 | 6 23 | 3 40 | 12 22 | 0s 2 | 3 58 | 0 48 | 28 20 | 5 7 | 14 14 | 0 59 | 15 2 | 2 5 | 18 33 | 0 14 | 17 33 | 0 20 | 10 3 | 17 14 | 8 31 | 8 47 | 17 27 | 15 9 | 1 22 |
| M21 | 19 30 | 2 31 | 2 52 | 11 45 | 0 11 | 3 30 | 0 55 | 28 19 | 5 6 | 14 10 | 0 59 | 15 3 | 2 4 | 18 34 | 0 14 | 17 33 | 0 20 | 10 3 | 17 14 | 8 28 | 8 46 | 17 26 | 15 9 | 1 22 |
| T 22 | 19 16 | 1s31 | 1 54 | 11 9 | 0 21 | 3 2 | 1 2 | 28 19 | 5 4 | 14 5 | 0 59 | 15 3 | 2 4 | 18 34 | 0 14 | 17 32 | 0 20 | 10 4 | 17 15 | 8 26 | 8 45 | 17 25 | 15 10 | 1 22 |
| W23 | 19 2 | 5 33 | 0 50 | 10 33 | 0 30 | 2 34 | 1 8 | 28 18 | 5 3 | 14 1 | 0 59 | 15 4 | 2 4 | 18 35 | 0 14 | 17 31 | 0 20 | 10 4 | 17 15 | 8 26 | 8 44 | 17 24 | 15 10 | 1 23 |
| T 24 | 18 48 | 9 25 | 0n18 | 9 57 | 0 40 | 2 6 | 1 15 | 28 17 | 5 2 | 13 57 | 0 59 | 15 4 | 2 4 | 18 35 | 0 14 | 17 31 | 0 20 | 10 4 | 17 15 | 8 26 | 8 42 | 17 23 | 15 10 | 1 23 |
| F 25 | 18 34 | 12 55 | 1 27 | 9 21 | 0 50 | 1 38 | 1 22 | 28 16 | 5 1 | 13 53 | 0 59 | 15 4 | 2 3 | 18 35 | 0 14 | 17 30 | 0 20 | 10 5 | 17 15 | 8 26 | 8 41 | 17 22 | 15 10 | 1 23 |
| S 26 | 18 19 | 15 50 | 2 33 | 8 46 | 1 0 | 1 10 | 1 30 | 28 15 | 4 59 | 13 48 | 0 59 | 15 5 | 2 3 | 18 36 | 0 14 | 17 30 | 0 20 | 10 5 | 17 16 | 8 25 | 8 40 | 17 22 | 15 11 | 1 23 |
| S 27 | 18 4 | 17 54 | 3 32 | 8 12 | 1 10 | 0 42 | 1 37 | 28 14 | 4 58 | 13 44 | 0 59 | 15 6 | 2 3 | 18 36 | 0 14 | 17 29 | 0 20 | 10 6 | 17 16 | 8 25 | 8 39 | 17 21 | 15 11 | 1 23 |
| M28 | 17 48 | 18 53 | 4 20 | 7 38 | 1 20 | 0 14 | 1 44 | 28 13 | 4 56 | 13 40 | 0 59 | 15 6 | 2 3 | 18 36 | 0 14 | 17 28 | 0 20 | 10 6 | 17 16 | 8 23 | 8 38 | 17 20 | 15 11 | 1 24 |
| T 29 | 17 32 | 18 37 | 4 51 | 7 5 | 1 31 | 0s13 | 1 52 | 28 12 | 4 55 | 13 35 | 0 59 | 15 7 | 2 2 | 18 37 | 0 14 | 17 28 | 0 20 | 10 7 | 17 17 | 8 20 | 8 37 | 17 19 | 15 11 | 1 24 |
| W30 | 17 16 | 17 2 | 5 2 | 6 32 | 1 41 | 0 41 | 2 0 | 28 11 | 4 53 | 13 31 | 0 59 | 15 7 | 2 2 | 18 37 | 0 14 | 17 27 | 0 20 | 10 7 | 17 17 | 8 17 | 8 35 | 17 18 | 15 11 | 1 24 |
| T 31 | 17n 0 | 14s15 | 4n53 | 6n 1 | 1s52 | 1s 8 | 2s 7 | 28s10 | 4s51 | 13n26 | 0n59 | 15s 8 | 2n 2 | 18n37 | 0s14 | 17n27 | 0n20 | 10s 8 | 17s17 | 8s13 | 8s34 | 17n17 | 15n11 | 1s24 |

Julian Day Number = 2123744.5, Delta T = 17m34s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'42, Lahiri = 11°20'43 Julian Calendar 1 July 1102 == Greg. Calendar 8 July 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## AUGUST 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 1 26 | 13♌55'46 | 20♒39 | 11♍15 | 28♍48 | 22♐24 | 27♌21 | 17♏20 | 24♉ 0 | 12♌34 | 14°R40 | 20°R48 | 21♎50 | 17♋51 | 15♉25 | F 1 |
| S 2 | 21 5 22 | 14°53'32 | 5♓33 | 12° 7 | 29°37 | 22°36 | 27°34 | 17°21 | 24° 1 | 12°36 | 14♈39 | 20♎40 | 21°47 | 17°57 | 15°25 | S 2 |
| S 3 | 21 9 19 | 15°51'19 | 20° 4 | 12°56 | 0♎25 | 22°50 | 27°47 | 17°23 | 24° 2 | 12°39 | 14°39 | 20°34 | 21°44 | 18° 4 | 15°26 | S 3 |
| M 4 | 21 13 15 | 16°49'09 | 4♈ 8 | 13°42 | 1°13 | 23° 3 | 27°59 | 17°25 | 24° 3 | 12°41 | 14°38 | 20°31 | 21°41 | 18°11 | 15°27 | M 4 |
| T 5 | 21 17 12 | 17°47'00 | 17°42 | 14°25 | 1°59 | 23°18 | 28°12 | 17°27 | 24° 4 | 12°43 | 14°38 | 20°D30 | 21°38 | 18°17 | 15°28 | T 5 |
| W 6 | 21 21 8 | 18°44'53 | 0♉50 | 15° 4 | 2°45 | 23°33 | 28°25 | 17°29 | 24° 5 | 12°45 | 14°37 | 20°30 | 21°35 | 18°24 | 15°28 | W 6 |
| T 7 | 21 25 5 | 19°42'48 | 13°33 | 15°38 | 3°31 | 23°49 | 28°38 | 17°31 | 24° 6 | 12°47 | 14°37 | 20°31 | 21°31 | 18°31 | 15°29 | T 7 |
| F 8 | 21 29 2 | 20°40'45 | 25°56 | 16° 9 | 4°15 | 24° 5 | 28°51 | 17°33 | 24° 7 | 12°50 | 14°36 | 20°R31 | 21°28 | 18°38 | 15°29 | F 8 |
| S 9 | 21 32 58 | 21°38'43 | 8♊ 5 | 16°35 | 4°58 | 24°22 | 29° 4 | 17°35 | 24° 8 | 12°52 | 14°35 | 20°29 | 21°25 | 18°44 | 15°30 | S 9 |
| S 10 | 21 36 55 | 22°36'44 | 20° 3 | 16°57 | 5°41 | 24°40 | 29°17 | 17°37 | 24° 8 | 12°54 | 14°35 | 20°26 | 21°22 | 18°51 | 15°30 | S 10 |
| M11 | 21 40 51 | 23°34'46 | 1♋56 | 17°13 | 6°22 | 24°58 | 29°30 | 17°40 | 24° 9 | 12°56 | 14°34 | 20°20 | 21°19 | 18°58 | 15°30 | M11 |
| T 12 | 21 44 48 | 24°32'51 | 13°47 | 17°25 | 7° 2 | 25°17 | 29°43 | 17°42 | 24°10 | 12°58 | 14°34 | 20°12 | 21°15 | 19° 5 | 15°30 | T 12 |
| W13 | 21 48 44 | 25°30'57 | 25°40 | 17°R30 | 7°42 | 25°37 | 29°56 | 17°45 | 24°10 | 13° 1 | 14°33 | 20° 2 | 21°12 | 19°11 | 15°31 | W13 |
| T 14 | 21 52 41 | 26°29'05 | 7♌36 | 17°30 | 8°20 | 25°57 | 0♍ 9 | 17°48 | 24°11 | 13° 3 | 14°32 | 19°52 | 21° 9 | 19°18 | 15°31 | T 14 |
| F 15 | 21 56 37 | 27°27'15 | 19°38 | 17°24 | 8°57 | 26°18 | 0°22 | 17°50 | 24°11 | 13° 5 | 14°31 | 19°42 | 21° 6 | 19°25 | 15°R31 | F 15 |
| S 16 | 22 0 34 | 28°25'27 | 1♍48 | 17°12 | 9°33 | 26°39 | 0°35 | 17°53 | 24°12 | 13° 7 | 14°31 | 19°33 | 21° 3 | 19°31 | 15°31 | S 16 |
| S 17 | 22 4 31 | 29°23'40 | 14° 5 | 16°53 | 10° 8 | 27° 1 | 0°48 | 17°56 | 24°12 | 13° 9 | 14°30 | 19°26 | 21° 0 | 19°38 | 15°31 | S 17 |
| M18 | 22 8 27 | 0♍21'55 | 26°32 | 16°28 | 10°41 | 27°23 | 1° 1 | 17°59 | 24°13 | 13°12 | 14°29 | 19°21 | 20°56 | 19°45 | 15°30 | M18 |
| T 19 | 22 12 24 | 1°20'12 | 9♎ 9 | 15°57 | 11°13 | 27°46 | 1°14 | 18° 2 | 24°13 | 13°14 | 14°28 | 19°18 | 20°53 | 19°52 | 15°30 | T 19 |
| W20 | 22 16 20 | 2°18'30 | 21°58 | 15°19 | 11°43 | 28°10 | 1°27 | 18° 6 | 24°13 | 13°16 | 14°28 | 19°D18 | 20°50 | 19°58 | 15°30 | W20 |
| T 21 | 22 20 17 | 3°16'50 | 5♏ 1 | 14°36 | 12°13 | 28°34 | 1°40 | 18° 9 | 24°13 | 13°18 | 14°27 | 19°19 | 20°47 | 20° 5 | 15°30 | T 21 |
| F 22 | 22 24 13 | 4°15'12 | 18°20 | 13°47 | 12°40 | 28°58 | 1°53 | 18°12 | 24°13 | 13°20 | 14°26 | 19°20 | 20°44 | 20°12 | 15°29 | F 22 |
| S 23 | 22 28 10 | 5°13'35 | 1♐56 | 12°53 | 13° 6 | 29°23 | 2° 6 | 18°16 | 24°14 | 13°22 | 14°25 | 19°R21 | 20°41 | 20°18 | 15°29 | S 23 |
| S 24 | 22 32 6 | 6°12'00 | 15°52 | 11°55 | 13°31 | 29°48 | 2°19 | 18°19 | 24°R14 | 13°24 | 14°24 | 19°20 | 20°37 | 20°25 | 15°28 | S 24 |
| M25 | 22 36 3 | 7°10'27 | 0♑ 8 | 10°55 | 13°53 | 0♑14 | 2°32 | 18°23 | 24°14 | 13°26 | 14°23 | 19°18 | 20°34 | 20°32 | 15°28 | M25 |
| T 26 | 22 40 0 | 8° 8'55 | 14°40 | 9°53 | 14°14 | 0°40 | 2°45 | 18°27 | 24°13 | 13°28 | 14°23 | 19°15 | 20°31 | 20°39 | 15°27 | T 26 |
| W27 | 22 43 56 | 9° 7'25 | 29°25 | 8°50 | 14°33 | 1° 7 | 2°58 | 18°31 | 24°13 | 13°30 | 14°22 | 19° 9 | 20°28 | 20°45 | 15°26 | W27 |
| T 28 | 22 47 53 | 10° 5'56 | 14♒16 | 7°49 | 14°50 | 1°34 | 3°11 | 18°34 | 24°13 | 13°32 | 14°21 | 19° 4 | 20°25 | 20°52 | 15°25 | T 28 |
| F 29 | 22 51 49 | 11° 4'30 | 29° 6 | 6°51 | 15° 6 | 2° 2 | 3°24 | 18°38 | 24°13 | 13°35 | 14°20 | 18°58 | 20°21 | 20°59 | 15°25 | F 29 |
| S 30 | 22 55 46 | 12° 3'05 | 13♓46 | 5°57 | 15°19 | 2°30 | 3°37 | 18°42 | 24°13 | 13°37 | 14°19 | 18°53 | 20°18 | 21° 6 | 15°24 | S 30 |
| S 31 | 22 59 42 | 13♍ 1'42 | 28♓ 9 | 5♍ 8 | 15♎30 | 2♑58 | 3♍50 | 18♏47 | 24♉12 | 13♌39 | 14♈18 | 18♎50 | 20♎15 | 21♋12 | 15♉23 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n44 | 10s31 | 4n23 | 5n30 | 2s 2 | 1s35 | 2s15 | 28s 9 | 4s50 | 13n22 | 0n59 | 15s 9 | 2n 2 | 18n38 | 0s14 | 17n26 | 0n20 | 10s 8 | 17s18 | 8s 9 | 8s33 | 17n16 | 15n11 | 1s24 |
| S 2 | 16 27 | 6 11 | 3 35 | 5 0 | 2 13 | 2 2 | 2 23 | 28 8 | 4 48 | 13 18 | 0 59 | 15 9 | 2 1 | 18 38 | 0 14 | 17 25 | 0 20 | 10 8 | 17 18 | 8 6 | 8 32 | 17 15 | 15 12 | 1 24 |
| S 3 | 16 10 | 1 35 | 2 35 | 4 32 | 2 23 | 2 29 | 2 31 | 28 7 | 4 46 | 13 13 | 0 59 | 15 10 | 2 1 | 18 38 | 0 14 | 17 25 | 0 20 | 10 9 | 17 18 | 8 4 | 8 31 | 17 14 | 15 12 | 1 25 |
| M 4 | 15 52 | 2n58 | 1 26 | 4 5 | 2 33 | 2 55 | 2 39 | 28 6 | 4 45 | 13 9 | 0 59 | 15 11 | 2 1 | 18 38 | 0 14 | 17 24 | 0 20 | 10 9 | 17 19 | 8 3 | 8 29 | 17 13 | 15 12 | 1 25 |
| T 5 | 15 35 | 7 13 | 0 15 | 3 39 | 2 44 | 3 21 | 2 48 | 28 5 | 4 43 | 13 4 | 0 59 | 15 11 | 2 1 | 18 39 | 0 14 | 17 23 | 0 20 | 10 10 | 17 19 | 8 3 | 8 28 | 17 12 | 15 12 | 1 25 |
| W 6 | 15 17 | 10 58 | 0s55 | 3 15 | 2 54 | 3 47 | 2 56 | 28 4 | 4 41 | 13 0 | 0 59 | 15 12 | 2 0 | 18 39 | 0 14 | 17 23 | 0 20 | 10 10 | 17 19 | 8 3 | 8 27 | 17 11 | 15 12 | 1 25 |
| T 7 | 14 58 | 14 4 | 2 0 | 2 52 | 3 4 | 4 13 | 3 4 | 28 3 | 4 39 | 12 55 | 0 59 | 15 13 | 2 0 | 18 39 | 0 14 | 17 22 | 0 20 | 10 11 | 17 20 | 8 3 | 8 26 | 17 11 | 15 12 | 1 25 |
| F 8 | 14 40 | 16 27 | 2 58 | 2 31 | 3 13 | 4 39 | 3 13 | 28 2 | 4 37 | 12 51 | 0 59 | 15 14 | 2 0 | 18 39 | 0 14 | 17 22 | 0 20 | 10 11 | 17 20 | 8 3 | 8 25 | 17 10 | 15 12 | 1 25 |
| S 9 | 14 21 | 18 2 | 3 46 | 2 13 | 3 22 | 5 4 | 3 22 | 28 1 | 4 35 | 12 46 | 0 59 | 15 15 | 2 0 | 18 40 | 0 14 | 17 21 | 0 20 | 10 12 | 17 20 | 8 2 | 8 23 | 17 9 | 15 12 | 1 26 |
| S 10 | 14 3 | 18 48 | 4 24 | 1 56 | 3 31 | 5 29 | 3 30 | 28 0 | 4 33 | 12 42 | 0 59 | 15 16 | 1 59 | 18 40 | 0 14 | 17 20 | 0 20 | 10 12 | 17 20 | 8 1 | 8 22 | 17 8 | 15 11 | 1 26 |
| M11 | 13 43 | 18 43 | 4 50 | 1 42 | 3 40 | 5 53 | 3 39 | 27 59 | 4 31 | 12 37 | 0 59 | 15 17 | 1 59 | 18 40 | 0 14 | 17 20 | 0 20 | 10 13 | 17 21 | 7 59 | 8 21 | 17 7 | 15 11 | 1 26 |
| T 12 | 13 24 | 17 49 | 5 3 | 1 30 | 3 48 | 6 18 | 3 48 | 27 57 | 4 30 | 12 33 | 0 59 | 15 17 | 1 59 | 18 40 | 0 14 | 17 19 | 0 20 | 10 13 | 17 21 | 7 56 | 8 20 | 17 6 | 15 11 | 1 26 |
| W13 | 13 5 | 16 8 | 5 4 | 1 21 | 3 55 | 6 41 | 3 57 | 27 56 | 4 28 | 12 28 | 0 59 | 15 18 | 1 59 | 18 40 | 0 14 | 17 18 | 0 20 | 10 14 | 17 21 | 7 52 | 8 19 | 17 5 | 15 11 | 1 26 |
| T 14 | 12 45 | 13 46 | 4 51 | 1 15 | 4 2 | 7 5 | 4 6 | 27 55 | 4 26 | 12 24 | 0 59 | 15 19 | 1 58 | 18 40 | 0 14 | 17 18 | 0 20 | 10 14 | 17 21 | 7 48 | 8 17 | 17 4 | 15 11 | 1 27 |
| F 15 | 12 25 | 10 48 | 4 25 | 1 12 | 4 7 | 7 28 | 4 15 | 27 53 | 4 23 | 12 19 | 0 59 | 15 20 | 1 58 | 18 40 | 0 14 | 17 17 | 0 20 | 10 15 | 17 22 | 7 44 | 8 16 | 17 3 | 15 11 | 1 27 |
| S 16 | 12 5 | 7 21 | 3 47 | 1 13 | 4 12 | 7 51 | 4 24 | 27 52 | 4 21 | 12 14 | 0 59 | 15 21 | 1 58 | 18 41 | 0 14 | 17 17 | 0 20 | 10 15 | 17 22 | 7 41 | 8 15 | 17 2 | 15 11 | 1 27 |
| S 17 | 11 44 | 3 33 | 2 58 | 1 17 | 4 15 | 8 13 | 4 33 | 27 51 | 4 19 | 12 10 | 0 59 | 15 22 | 1 58 | 18 41 | 0 14 | 17 16 | 0 20 | 10 16 | 17 22 | 7 38 | 8 14 | 17 1 | 15 10 | 1 27 |
| M18 | 11 24 | 0s26 | 2 0 | 1 25 | 4 18 | 8 34 | 4 43 | 27 49 | 4 17 | 12 5 | 0 59 | 15 24 | 1 57 | 18 41 | 0 14 | 17 15 | 0 20 | 10 16 | 17 23 | 7 36 | 8 13 | 17 0 | 15 10 | 1 27 |
| T 19 | 11 3 | 4 29 | 0 55 | 1 36 | 4 18 | 8 56 | 4 52 | 27 47 | 4 15 | 12 1 | 0 59 | 15 25 | 1 57 | 18 41 | 0 14 | 17 15 | 0 20 | 10 17 | 17 23 | 7 36 | 8 11 | 16 59 | 15 10 | 1 27 |
| W20 | 10 42 | 8 22 | 0n14 | 1 51 | 4 18 | 9 16 | 5 1 | 27 46 | 4 13 | 11 56 | 0 59 | 15 26 | 1 57 | 18 41 | 0 14 | 17 14 | 0 20 | 10 17 | 17 23 | 7 35 | 8 10 | 16 58 | 15 10 | 1 28 |
| T 21 | 10 21 | 11 56 | 1 24 | 2 10 | 4 15 | 9 36 | 5 10 | 27 44 | 4 11 | 11 51 | 0 59 | 15 27 | 1 57 | 18 41 | 0 14 | 17 14 | 0 20 | 10 18 | 17 23 | 7 36 | 8 9 | 16 57 | 15 9 | 1 28 |
| F 22 | 10 0 | 14 57 | 2 30 | 2 33 | 4 11 | 9 56 | 5 20 | 27 42 | 4 9 | 11 47 | 0 59 | 15 28 | 1 57 | 18 41 | 0 14 | 17 13 | 0 20 | 10 18 | 17 23 | 7 36 | 8 8 | 16 56 | 15 9 | 1 28 |
| S 23 | 9 38 | 17 13 | 3 30 | 2 59 | 4 5 | 10 14 | 5 29 | 27 40 | 4 7 | 11 42 | 0 59 | 15 29 | 1 56 | 18 41 | 0 14 | 17 12 | 0 20 | 10 19 | 17 24 | 7 36 | 8 7 | 16 55 | 15 9 | 1 28 |
| S 24 | 9 17 | 18 31 | 4 19 | 3 29 | 3 56 | 10 33 | 5 38 | 27 38 | 4 5 | 11 37 | 1 0 | 15 30 | 1 56 | 18 41 | 0 14 | 17 12 | 0 20 | 10 20 | 17 24 | 7 36 | 8 5 | 16 54 | 15 9 | 1 28 |
| M25 | 8 55 | 18 41 | 4 53 | 4 1 | 3 46 | 10 50 | 5 48 | 27 36 | 4 3 | 11 33 | 1 0 | 15 32 | 1 56 | 18 41 | 0 14 | 17 11 | 0 20 | 10 20 | 17 24 | 7 36 | 8 4 | 16 53 | 15 8 | 1 29 |
| T 26 | 8 33 | 17 38 | 5 9 | 4 36 | 3 34 | 11 7 | 5 57 | 27 34 | 4 1 | 11 28 | 1 0 | 15 33 | 1 56 | 18 41 | 0 14 | 17 11 | 0 20 | 10 21 | 17 24 | 7 34 | 8 3 | 16 52 | 15 8 | 1 29 |
| W27 | 8 11 | 15 24 | 5 5 | 5 12 | 3 20 | 11 23 | 6 6 | 27 31 | 3 58 | 11 23 | 1 0 | 15 34 | 1 55 | 18 41 | 0 14 | 17 10 | 0 20 | 10 21 | 17 25 | 7 32 | 8 2 | 16 51 | 15 7 | 1 29 |
| T 28 | 7 49 | 12 9 | 4 41 | 5 49 | 3 5 | 11 38 | 6 15 | 27 29 | 3 56 | 11 19 | 1 0 | 15 35 | 1 55 | 18 41 | 0 14 | 17 10 | 0 20 | 10 22 | 17 25 | 7 30 | 8 1 | 16 50 | 15 7 | 1 29 |
| F 29 | 7 27 | 8 8 | 3 57 | 6 27 | 2 48 | 11 52 | 6 24 | 27 26 | 3 54 | 11 14 | 1 0 | 15 37 | 1 55 | 18 41 | 0 15 | 17 9 | 0 20 | 10 22 | 17 25 | 7 28 | 7 59 | 16 49 | 15 7 | 1 29 |
| S 30 | 7 4 | 3 39 | 2 59 | 7 3 | 2 30 | 12 5 | 6 33 | 27 24 | 3 52 | 11 10 | 1 0 | 15 38 | 1 55 | 18 41 | 0 15 | 17 8 | 0 20 | 10 23 | 17 25 | 7 26 | 7 58 | 16 48 | 15 6 | 1 29 |
| S 31 | 6n42 | 0n57 | 1n50 | 7n39 | 2s11 | 12s18 | 6s42 | 27s21 | 3s50 | 11n 5 | 1n 0 | 15s39 | 1n55 | 18n41 | 0s15 | 17n 8 | 0n20 | 10s23 | 17s25 | 7s25 | 7s57 | 16n47 | 15n 6 | 1s30 |

Julian Day Number = 2123775.5, Delta T = 17m34s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'46, Lahiri = 11°20'47 Julian Calendar 1 Aug. 1102 == Greg. Calendar 8 Aug. 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## SEPTEMBER 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 3 39 | 14♍ 0'21 | 12♈10 | 4°R27 | 15♎39 | 3♑27 | 4♍ 3 | 18♏51 | 24°R12 | 13♌41 | 14°R17 | 18°D48 | 20♎12 | 21♋19 | 15°R22 | M 1 |
| T 2 | 23 7 35 | 14°59'02 | 25°45 | 3♍53 | 15°46 | 3°56 | 4°16 | 18°55 | 24♉12 | 13°42 | 14♈16 | 18♎48 | 20° 9 | 21°26 | 15♉21 | T 2 |
| W 3 | 23 11 32 | 15°57'46 | 8♉56 | 3°28 | 15°51 | 4°26 | 4°29 | 18°59 | 24°11 | 13°44 | 14°15 | 18°50 | 20° 6 | 21°32 | 15°20 | W 3 |
| T 4 | 23 15 28 | 16°56'32 | 21°42 | 3°13 | 15°53 | 4°55 | 4°41 | 19° 4 | 24°11 | 13°46 | 14°14 | 18°51 | 20° 2 | 21°39 | 15°18 | T 4 |
| F 5 | 23 19 25 | 17°55'20 | 4♊ 9 | 3°D 7 | 15°R53 | 5°26 | 4°54 | 19° 8 | 24°10 | 13°48 | 14°13 | 18°53 | 19°59 | 21°46 | 15°17 | F 5 |
| S 6 | 23 23 22 | 18°54'10 | 16°21 | 3°11 | 15°51 | 5°56 | 5° 7 | 19°13 | 24°10 | 13°50 | 14°12 | 18°R53 | 19°56 | 21°53 | 15°16 | S 6 |
| S 7 | 23 27 18 | 19°53'03 | 28°21 | 3°26 | 15°46 | 6°27 | 5°20 | 19°17 | 24° 9 | 13°52 | 14°11 | 18°53 | 19°53 | 21°59 | 15°14 | S 7 |
| M 8 | 23 31 15 | 20°51'58 | 10♋15 | 3°50 | 15°39 | 6°58 | 5°33 | 19°22 | 24° 8 | 13°54 | 14°10 | 18°52 | 19°50 | 22° 6 | 15°13 | M 8 |
| T 9 | 23 35 11 | 21°50'56 | 22° 7 | 4°24 | 15°30 | 7°30 | 5°46 | 19°27 | 24° 7 | 13°56 | 14° 9 | 18°49 | 19°47 | 22°13 | 15°11 | T 9 |
| W10 | 23 39 8 | 22°49'55 | 4♌ 1 | 5° 6 | 15°18 | 8° 2 | 5°58 | 19°32 | 24° 7 | 13°58 | 14° 8 | 18°45 | 19°43 | 22°20 | 15°10 | W10 |
| T 11 | 23 43 4 | 23°48'57 | 16° 2 | 5°58 | 15° 4 | 8°34 | 6°11 | 19°36 | 24° 6 | 13°59 | 14° 7 | 18°41 | 19°40 | 22°26 | 15° 8 | T 11 |
| F 12 | 23 47 1 | 24°48'01 | 28°11 | 6°56 | 14°48 | 9° 6 | 6°24 | 19°41 | 24° 5 | 14° 1 | 14° 6 | 18°37 | 19°37 | 22°33 | 15° 7 | F 12 |
| S 13 | 23 50 57 | 25°47'08 | 10♍30 | 8° 2 | 14°29 | 9°39 | 6°36 | 19°46 | 24° 4 | 14° 3 | 14° 5 | 18°33 | 19°34 | 22°40 | 15° 5 | S 13 |
| S 14 | 23 54 54 | 26°46'16 | 23° 2 | 9°15 | 14° 8 | 10°12 | 6°49 | 19°52 | 24° 3 | 14° 5 | 14° 4 | 18°30 | 19°31 | 22°46 | 15° 3 | S 14 |
| M15 | 23 58 51 | 27°45'27 | 5♎46 | 10°33 | 13°45 | 10°45 | 7° 2 | 19°57 | 24° 2 | 14° 7 | 14° 3 | 18°29 | 19°27 | 22°53 | 15° 1 | M15 |
| T 16 | 0 2 47 | 28°44'39 | 18°44 | 11°56 | 13°20 | 11°19 | 7°14 | 20° 2 | 24° 1 | 14° 8 | 14° 1 | 18°D28 | 19°24 | 23° 0 | 14°59 | T 16 |
| W17 | 0 6 44 | 29°43'54 | 1♏54 | 13°23 | 12°52 | 11°53 | 7°27 | 20° 7 | 24° 0 | 14°10 | 14° 0 | 18°29 | 19°21 | 23° 7 | 14°57 | W17 |
| T 18 | 0 10 40 | 0♎43'10 | 15°17 | 14°53 | 12°23 | 12°27 | 7°39 | 20°13 | 23°58 | 14°12 | 13°59 | 18°30 | 19°18 | 23°13 | 14°55 | T 18 |
| F 19 | 0 14 37 | 1°42'29 | 28°52 | 16°27 | 11°53 | 13° 1 | 7°52 | 20°18 | 23°57 | 14°13 | 13°58 | 18°31 | 19°15 | 23°20 | 14°53 | F 19 |
| S 20 | 0 18 33 | 2°41'49 | 12♐39 | 18° 3 | 11°21 | 13°36 | 8° 4 | 20°23 | 23°56 | 14°15 | 13°57 | 18°32 | 19°12 | 23°27 | 14°51 | S 20 |
| S 21 | 0 22 30 | 3°41'11 | 26°37 | 19°42 | 10°47 | 14°11 | 8°16 | 20°29 | 23°55 | 14°16 | 13°56 | 18°33 | 19° 8 | 23°33 | 14°49 | S 21 |
| M22 | 0 26 26 | 4°40'35 | 10♑46 | 21°22 | 10°13 | 14°46 | 8°29 | 20°35 | 23°53 | 14°18 | 13°55 | 18°R33 | 19° 5 | 23°40 | 14°47 | M22 |
| T 23 | 0 30 23 | 5°40'01 | 25° 3 | 23° 3 | 9°37 | 15°21 | 8°41 | 20°40 | 23°52 | 14°20 | 13°54 | 18°32 | 19° 2 | 23°47 | 14°45 | T 23 |
| W24 | 0 34 19 | 6°39'28 | 9♒26 | 24°45 | 9° 1 | 15°57 | 8°53 | 20°46 | 23°50 | 14°21 | 13°52 | 18°31 | 18°59 | 23°54 | 14°43 | W24 |
| T 25 | 0 38 16 | 7°38'58 | 23°50 | 26°28 | 8°24 | 16°33 | 9° 5 | 20°52 | 23°49 | 14°23 | 13°51 | 18°30 | 18°56 | 24° 0 | 14°40 | T 25 |
| F 26 | 0 42 13 | 8°38'29 | 8♓12 | 28°11 | 7°48 | 17° 9 | 9°18 | 20°57 | 23°47 | 14°24 | 13°50 | 18°28 | 18°52 | 24° 7 | 14°38 | F 26 |
| S 27 | 0 46 9 | 9°38'01 | 22°26 | 29°55 | 7°11 | 17°45 | 9°30 | 21° 3 | 23°46 | 14°26 | 13°49 | 18°27 | 18°49 | 24°14 | 14°35 | S 27 |
| S 28 | 0 50 6 | 10°37'36 | 6♈27 | 1♎38 | 6°35 | 18°21 | 9°42 | 21° 9 | 23°44 | 14°27 | 13°48 | 18°27 | 18°46 | 24°21 | 14°33 | S 28 |
| M29 | 0 54 2 | 11°37'13 | 20°13 | 3°22 | 5°59 | 18°58 | 9°54 | 21°15 | 23°42 | 14°28 | 13°47 | 18°D27 | 18°43 | 24°27 | 14°30 | M29 |
| T 30 | 0 57 59 | 12♎36'52 | 3♉39 | 5♎ 5 | 5♎24 | 19♑35 | 10♍ 6 | 21♏21 | 23♉41 | 14♌30 | 13♈46 | 18♎27 | 18♎40 | 24♋34 | 14♉28 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n19 | 5n23 | 0n36 | 8n12 | 1s51 | 12s29 | 6s50 | 27s18 | 3s48 | 11n 0 | 1n 0 | 15s41 | 1n54 | 18n41 | 0s15 | 17n 7 | 0n20 | 10s24 | 17s25 | 7s24 | 7s56 | 16n46 | 15n 5 | 1s30 |
| T 2 | 5 57 | 9 25 | 0s38 | 8 43 | 1 31 | 12 39 | 6 58 | 27 15 | 3 46 | 10 56 | 1 0 | 15 42 | 1 54 | 18 41 | 0 15 | 17 7 | 0 20 | 10 24 | 17 26 | 7 24 | 7 55 | 16 45 | 15 5 | 1 30 |
| W 3 | 5 34 | 12 50 | 1 48 | 9 11 | 1 11 | 12 48 | 7 6 | 27 12 | 3 44 | 10 51 | 1 0 | 15 43 | 1 54 | 18 40 | 0 15 | 17 6 | 0 20 | 10 25 | 17 26 | 7 25 | 7 53 | 16 44 | 15 4 | 1 30 |
| T 4 | 5 11 | 15 32 | 2 50 | 9 34 | 0 52 | 12 57 | 7 14 | 27 9 | 3 42 | 10 46 | 1 0 | 15 45 | 1 54 | 18 40 | 0 15 | 17 6 | 0 20 | 10 25 | 17 26 | 7 25 | 7 52 | 16 43 | 15 4 | 1 30 |
| F 5 | 4 48 | 17 26 | 3 43 | 9 54 | 0 33 | 13 4 | 7 22 | 27 6 | 3 39 | 10 42 | 1 0 | 15 46 | 1 53 | 18 40 | 0 15 | 17 5 | 0 20 | 10 26 | 17 26 | 7 26 | 7 51 | 16 42 | 15 3 | 1 31 |
| S 6 | 4 25 | 18 28 | 4 24 | 10 9 | 0 15 | 13 9 | 7 29 | 27 2 | 3 37 | 10 37 | 1 0 | 15 48 | 1 53 | 18 40 | 0 15 | 17 5 | 0 20 | 10 26 | 17 26 | 7 26 | 7 50 | 16 41 | 15 3 | 1 31 |
| S 7 | 4 1 | 18 39 | 4 53 | 10 20 | 0n 3 | 13 14 | 7 36 | 26 59 | 3 35 | 10 32 | 1 1 | 15 49 | 1 53 | 18 40 | 0 15 | 17 4 | 0 20 | 10 27 | 17 26 | 7 26 | 7 49 | 16 40 | 15 2 | 1 31 |
| M 8 | 3 38 | 18 0 | 5 10 | 10 27 | 0 19 | 13 17 | 7 42 | 26 55 | 3 33 | 10 28 | 1 1 | 15 51 | 1 53 | 18 40 | 0 15 | 17 4 | 0 20 | 10 27 | 17 27 | 7 25 | 7 47 | 16 39 | 15 2 | 1 31 |
| T 9 | 3 15 | 16 35 | 5 13 | 10 28 | 0 34 | 13 19 | 7 48 | 26 51 | 3 31 | 10 23 | 1 1 | 15 52 | 1 53 | 18 39 | 0 15 | 17 3 | 0 20 | 10 28 | 17 27 | 7 24 | 7 46 | 16 38 | 15 1 | 1 31 |
| W10 | 2 51 | 14 27 | 5 2 | 10 25 | 0 48 | 13 19 | 7 54 | 26 47 | 3 29 | 10 18 | 1 1 | 15 54 | 1 52 | 18 39 | 0 15 | 17 3 | 0 20 | 10 28 | 17 27 | 7 23 | 7 45 | 16 37 | 15 0 | 1 31 |
| T 11 | 2 28 | 11 40 | 4 39 | 10 18 | 1 0 | 13 18 | 7 59 | 26 43 | 3 27 | 10 14 | 1 1 | 15 55 | 1 52 | 18 39 | 0 15 | 17 2 | 0 20 | 10 29 | 17 27 | 7 21 | 7 44 | 16 36 | 15 0 | 1 32 |
| F 12 | 2 5 | 8 23 | 4 2 | 10 6 | 1 11 | 13 16 | 8 3 | 26 38 | 3 25 | 10 9 | 1 1 | 15 57 | 1 52 | 18 39 | 0 15 | 17 1 | 0 20 | 10 29 | 17 27 | 7 20 | 7 43 | 16 35 | 14 59 | 1 32 |
| S 13 | 1 41 | 4 40 | 3 14 | 9 51 | 1 21 | 13 12 | 8 7 | 26 34 | 3 23 | 10 4 | 1 1 | 15 58 | 1 52 | 18 39 | 0 15 | 17 1 | 0 20 | 10 30 | 17 27 | 7 18 | 7 41 | 16 34 | 14 58 | 1 32 |
| S 14 | 1 17 | 0 42 | 2 16 | 9 31 | 1 30 | 13 7 | 8 10 | 26 29 | 3 20 | 10 0 | 1 1 | 16 0 | 1 52 | 18 38 | 0 15 | 17 1 | 0 20 | 10 30 | 17 27 | 7 17 | 7 40 | 16 33 | 14 58 | 1 32 |
| M15 | 0 54 | 3s22 | 1 9 | 9 8 | 1 37 | 13 0 | 8 12 | 26 25 | 3 18 | 9 55 | 1 1 | 16 1 | 1 52 | 18 38 | 0 15 | 17 0 | 0 20 | 10 31 | 17 27 | 7 17 | 7 39 | 16 32 | 14 57 | 1 32 |
| T 16 | 0 30 | 7 21 | 0n 1 | 8 42 | 1 43 | 12 51 | 8 14 | 26 20 | 3 16 | 9 51 | 1 1 | 16 3 | 1 51 | 18 38 | 0 15 | 17 0 | 0 21 | 10 31 | 17 28 | 7 16 | 7 38 | 16 31 | 14 56 | 1 32 |
| W17 | 0 6 | 11 2 | 1 13 | 8 13 | 1 48 | 12 41 | 8 15 | 26 14 | 3 14 | 9 46 | 1 1 | 16 4 | 1 51 | 18 37 | 0 15 | 16 59 | 0 21 | 10 32 | 17 28 | 7 17 | 7 37 | 16 30 | 14 56 | 1 33 |
| T 18 | 0s17 | 14 13 | 2 23 | 7 42 | 1 52 | 12 30 | 8 15 | 26 9 | 3 12 | 9 41 | 1 2 | 16 6 | 1 51 | 18 37 | 0 15 | 16 59 | 0 21 | 10 32 | 17 28 | 7 17 | 7 35 | 16 29 | 14 55 | 1 33 |
| F 19 | 0 41 | 16 40 | 3 25 | 7 7 | 1 54 | 12 17 | 8 14 | 26 4 | 3 10 | 9 37 | 1 2 | 16 8 | 1 51 | 18 37 | 0 15 | 16 58 | 0 21 | 10 33 | 17 28 | 7 17 | 7 34 | 16 28 | 14 54 | 1 33 |
| S 20 | 1 5 | 18 11 | 4 16 | 6 31 | 1 56 | 12 3 | 8 13 | 25 58 | 3 8 | 9 32 | 1 2 | 16 9 | 1 51 | 18 37 | 0 15 | 16 58 | 0 21 | 10 33 | 17 28 | 7 18 | 7 33 | 16 27 | 14 53 | 1 33 |
| S 21 | 1 28 | 18 37 | 4 54 | 5 53 | 1 57 | 11 47 | 8 10 | 25 52 | 3 6 | 9 28 | 1 2 | 16 11 | 1 50 | 18 36 | 0 15 | 16 57 | 0 21 | 10 34 | 17 28 | 7 18 | 7 32 | 16 26 | 14 52 | 1 33 |
| M22 | 1 52 | 17 54 | 5 13 | 5 14 | 1 57 | 11 30 | 8 7 | 25 46 | 3 4 | 9 23 | 1 2 | 16 12 | 1 50 | 18 36 | 0 15 | 16 57 | 0 21 | 10 34 | 17 28 | 7 18 | 7 30 | 16 25 | 14 52 | 1 33 |
| T 23 | 2 16 | 16 4 | 5 14 | 4 33 | 1 56 | 11 12 | 8 2 | 25 40 | 3 2 | 9 19 | 1 2 | 16 14 | 1 50 | 18 36 | 0 15 | 16 56 | 0 21 | 10 35 | 17 28 | 7 18 | 7 29 | 16 24 | 14 51 | 1 34 |
| W24 | 2 39 | 13 14 | 4 56 | 3 51 | 1 55 | 10 53 | 7 57 | 25 34 | 3 0 | 9 14 | 1 2 | 16 16 | 1 50 | 18 35 | 0 15 | 16 56 | 0 21 | 10 35 | 17 28 | 7 17 | 7 28 | 16 23 | 14 50 | 1 34 |
| T 25 | 3 3 | 9 35 | 4 18 | 3 8 | 1 53 | 10 33 | 7 51 | 25 28 | 2 58 | 9 10 | 1 2 | 16 17 | 1 50 | 18 35 | 0 15 | 16 56 | 0 21 | 10 36 | 17 28 | 7 17 | 7 27 | 16 22 | 14 49 | 1 34 |
| F 26 | 3 27 | 5 22 | 3 25 | 2 25 | 1 50 | 10 12 | 7 44 | 25 21 | 2 56 | 9 5 | 1 2 | 16 19 | 1 50 | 18 34 | 0 15 | 16 55 | 0 21 | 10 36 | 17 28 | 7 16 | 7 26 | 16 21 | 14 48 | 1 34 |
| S 27 | 3 50 | 0 53 | 2 19 | 1 40 | 1 47 | 9 50 | 7 36 | 25 14 | 2 54 | 9 1 | 1 3 | 16 21 | 1 50 | 18 34 | 0 15 | 16 55 | 0 21 | 10 37 | 17 28 | 7 16 | 7 24 | 16 20 | 14 48 | 1 34 |
| S 28 | 4 14 | 3n35 | 1 6 | 0 56 | 1 44 | 9 27 | 7 27 | 25 7 | 2 52 | 8 56 | 1 3 | 16 22 | 1 49 | 18 34 | 0 15 | 16 54 | 0 21 | 10 37 | 17 28 | 7 16 | 7 23 | 16 18 | 14 47 | 1 34 |
| M29 | 4 37 | 7 47 | 0s10 | 0 11 | 1 40 | 9 4 | 7 18 | 25 0 | 2 50 | 8 52 | 1 3 | 16 24 | 1 49 | 18 33 | 0 15 | 16 54 | 0 21 | 10 38 | 17 28 | 7 16 | 7 22 | 16 17 | 14 46 | 1 35 |
| T 30 | 5s 0 | 11n29 | 1s23 | 0s34 | 1n35 | 8s41 | 7s 7 | 24s53 | 2s48 | 8n47 | 1n 3 | 16s26 | 1n49 | 18n33 | 0s15 | 16n54 | 0n21 | 10s38 | 17s28 | 7s16 | 7s21 | 16n16 | 14n45 | 1s35 |

Julian Day Number = 2123806.5, Delta T = 17m34s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'51, Lahiri = 11°20'51 Julian Calendar 1 Sept. 1102 == Greg. Calendar 8 Sept. 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## OCTOBER 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 1 55 | 13♎36'33 | 16♉45 | 6♎48 | 4°R50 | 20♑12 | 10♍18 | 21♏27 | 23°R39 | 14♘31 | 13°R44 | 18♎27 | 18♎37 | 24♋41 | 14°R25 | W 1 |
| T 2 | 1 5 52 | 14°36'17 | 29°32 | 8°31 | 4♎17 | 20°49 | 10°29 | 21°33 | 23♉37 | 14°32 | 13♈43 | 18°28 | 18°33 | 24°47 | 14♉23 | T 2 |
| F 3 | 1 9 48 | 15°36'02 | 12♊ 0 | 10°14 | 3°46 | 21°26 | 10°41 | 21°39 | 23°35 | 14°34 | 13°42 | 18°28 | 18°30 | 24°54 | 14°20 | F 3 |
| S 4 | 1 13 45 | 16°35'50 | 24°14 | 11°56 | 3°16 | 22° 3 | 10°53 | 21°46 | 23°34 | 14°35 | 13°41 | 18°28 | 18°27 | 25° 1 | 14°17 | S 4 |
| S 5 | 1 17 42 | 17°35'40 | 6♋16 | 13°37 | 2°49 | 22°41 | 11° 5 | 21°52 | 23°32 | 14°36 | 13°40 | 18°29 | 18°24 | 25° 8 | 14°15 | S 5 |
| M 6 | 1 21 38 | 18°35'33 | 18°11 | 15°18 | 2°23 | 23°19 | 11°16 | 21°58 | 23°30 | 14°37 | 13°39 | 18°29 | 18°21 | 25°14 | 14°12 | M 6 |
| T 7 | 1 25 35 | 19°35'27 | 0♌ 3 | 16°59 | 1°59 | 23°57 | 11°28 | 22° 4 | 23°28 | 14°39 | 13°38 | 18°29 | 18°18 | 25°21 | 14° 9 | T 7 |
| W 8 | 1 29 31 | 20°35'24 | 11°58 | 18°39 | 1°38 | 24°35 | 11°39 | 22°11 | 23°26 | 14°40 | 13°36 | 18°29 | 18°14 | 25°28 | 14° 6 | W 8 |
| T 9 | 1 33 28 | 21°35'23 | 24° 0 | 20°19 | 1°18 | 25°13 | 11°51 | 22°17 | 23°24 | 14°41 | 13°35 | 18°29 | 18°11 | 25°34 | 14° 3 | T 9 |
| F 10 | 1 37 24 | 22°35'24 | 6♍13 | 21°58 | 1° 2 | 25°52 | 12° 2 | 22°24 | 23°22 | 14°42 | 13°34 | 18°29 | 18° 8 | 25°41 | 14° 1 | F 10 |
| S 11 | 1 41 21 | 23°35'28 | 18°39 | 23°36 | 0°47 | 26°30 | 12°13 | 22°30 | 23°20 | 14°43 | 13°33 | 18°30 | 18° 5 | 25°48 | 13°58 | S 11 |
| S 12 | 1 45 17 | 24°35'33 | 1♎23 | 25°14 | 0°35 | 27° 9 | 12°24 | 22°37 | 23°18 | 14°44 | 13°32 | 18°30 | 18° 2 | 25°55 | 13°55 | S 12 |
| M13 | 1 49 14 | 25°35'40 | 14°24 | 26°52 | 0°26 | 27°48 | 12°35 | 22°43 | 23°15 | 14°45 | 13°31 | 18°R31 | 17°58 | 26° 1 | 13°52 | M13 |
| T 14 | 1 53 11 | 26°35'49 | 27°43 | 28°29 | 0°18 | 28°27 | 12°46 | 22°50 | 23°13 | 14°46 | 13°30 | 18°31 | 17°55 | 26° 8 | 13°49 | T 14 |
| W15 | 1 57 7 | 27°36'01 | 11♏19 | 0♏ 6 | 0°14 | 29° 6 | 12°57 | 22°56 | 23°11 | 14°47 | 13°29 | 18°30 | 17°52 | 26°15 | 13°46 | W15 |
| T 16 | 2 1 4 | 28°36'14 | 25°10 | 1°42 | 0°D12 | 29°45 | 13° 8 | 23° 3 | 23° 9 | 14°48 | 13°27 | 18°29 | 17°49 | 26°22 | 13°43 | T 16 |
| F 17 | 2 5 0 | 29°36'29 | 9♐12 | 3°18 | 0°12 | 0♒24 | 13°19 | 23°10 | 23° 7 | 14°49 | 13°26 | 18°28 | 17°46 | 26°28 | 13°40 | F 17 |
| S 18 | 2 8 57 | 0♏36'45 | 23°21 | 4°54 | 0°14 | 1° 4 | 13°30 | 23°16 | 23° 4 | 14°49 | 13°25 | 18°26 | 17°43 | 26°35 | 13°36 | S 18 |
| S 19 | 2 12 53 | 1°37'03 | 7♑35 | 6°29 | 0°19 | 1°43 | 13°40 | 23°23 | 23° 2 | 14°50 | 13°24 | 18°25 | 17°39 | 26°42 | 13°33 | S 19 |
| M20 | 2 16 50 | 2°37'22 | 21°50 | 8° 3 | 0°27 | 2°23 | 13°51 | 23°30 | 23° 0 | 14°51 | 13°23 | 18°24 | 17°36 | 26°48 | 13°30 | M20 |
| T 21 | 2 20 46 | 3°37'43 | 6♒ 2 | 9°38 | 0°36 | 3° 3 | 14° 1 | 23°37 | 22°57 | 14°52 | 13°22 | 18°D24 | 17°33 | 26°55 | 13°27 | T 21 |
| W22 | 2 24 43 | 4°38'06 | 20°10 | 11°12 | 0°48 | 3°43 | 14°12 | 23°43 | 22°55 | 14°52 | 13°21 | 18°24 | 17°30 | 27° 2 | 13°24 | W22 |
| T 23 | 2 28 40 | 5°38'29 | 4♓12 | 12°46 | 1° 2 | 4°23 | 14°22 | 23°50 | 22°53 | 14°53 | 13°20 | 18°25 | 17°27 | 27° 9 | 13°21 | T 23 |
| F 24 | 2 32 36 | 6°38'54 | 18° 6 | 14°19 | 1°18 | 5° 3 | 14°32 | 23°57 | 22°50 | 14°54 | 13°19 | 18°27 | 17°23 | 27°15 | 13°18 | F 24 |
| S 25 | 2 36 33 | 7°39'21 | 1♈51 | 15°52 | 1°35 | 5°43 | 14°42 | 24° 4 | 22°48 | 14°54 | 13°18 | 18°28 | 17°20 | 27°22 | 13°14 | S 25 |
| S 26 | 2 40 29 | 8°39'48 | 15°25 | 17°25 | 1°55 | 6°24 | 14°52 | 24°11 | 22°45 | 14°55 | 13°17 | 18°R29 | 17°17 | 27°29 | 13°11 | S 26 |
| M27 | 2 44 26 | 9°40'18 | 28°47 | 18°57 | 2°17 | 7° 4 | 15° 2 | 24°18 | 22°43 | 14°56 | 13°16 | 18°28 | 17°14 | 27°35 | 13° 8 | M27 |
| T 28 | 2 48 22 | 10°40'49 | 11♉55 | 20°30 | 2°41 | 7°44 | 15°12 | 24°25 | 22°41 | 14°56 | 13°15 | 18°27 | 17°11 | 27°42 | 13° 5 | T 28 |
| W29 | 2 52 19 | 11°41'21 | 24°48 | 22° 2 | 3° 7 | 8°25 | 15°22 | 24°32 | 22°38 | 14°56 | 13°14 | 18°24 | 17° 8 | 27°49 | 13° 2 | W29 |
| T 30 | 2 56 15 | 12°41'56 | 7♊27 | 23°33 | 3°34 | 9° 6 | 15°31 | 24°39 | 22°36 | 14°57 | 13°13 | 18°20 | 17° 4 | 27°56 | 12°58 | T 30 |
| F 31 | 3 0 12 | 13♏42'32 | 19♊52 | 25♏ 5 | 4♎ 3 | 9♒46 | 15♍41 | 24♏46 | 22♉33 | 14♘57 | 13♈12 | 18♎16 | 17♎ 1 | 28♋ 2 | 12♉55 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s24 | 14n31 | 2s31 | 1s20 | 1n31 | 8s17 | 6s56 | 24s45 | 2s46 | 8n43 | 1n 3 | 16s28 | 1n49 | 18n32 | 0s15 | 16n53 | 0n21 | 10s38 | 17s28 | 7s16 | 7s20 | 16n15 | 14n44 | 1s35 |
| T 2 | 5 47 | 16 45 | 3 29 | 2 5 | 1 26 | 7 54 | 6 45 | 24 38 | 2 44 | 8 39 | 1 3 | 16 29 | 1 49 | 18 32 | 0 15 | 16 53 | 0 21 | 10 39 | 17 28 | 7 16 | 7 18 | 16 14 | 14 43 | 1 35 |
| F 3 | 6 10 | 18 7 | 4 15 | 2 50 | 1 20 | 7 30 | 6 33 | 24 30 | 2 42 | 8 34 | 1 3 | 16 31 | 1 49 | 18 31 | 0 15 | 16 52 | 0 21 | 10 39 | 17 28 | 7 16 | 7 17 | 16 13 | 14 42 | 1 35 |
| S 4 | 6 33 | 18 36 | 4 49 | 3 36 | 1 15 | 7 7 | 6 20 | 24 22 | 2 40 | 8 30 | 1 4 | 16 33 | 1 48 | 18 31 | 0 15 | 16 52 | 0 21 | 10 40 | 17 28 | 7 16 | 7 16 | 16 12 | 14 41 | 1 35 |
| S 5 | 6 56 | 18 15 | 5 10 | 4 20 | 1 9 | 6 44 | 6 7 | 24 13 | 2 38 | 8 26 | 1 4 | 16 34 | 1 48 | 18 31 | 0 15 | 16 52 | 0 21 | 10 40 | 17 28 | 7 17 | 7 15 | 16 11 | 14 40 | 1 35 |
| M 6 | 7 19 | 17 4 | 5 17 | 5 5 | 1 3 | 6 21 | 5 53 | 24 5 | 2 36 | 8 21 | 1 4 | 16 36 | 1 48 | 18 30 | 0 15 | 16 51 | 0 21 | 10 40 | 17 28 | 7 17 | 7 14 | 16 10 | 14 39 | 1 36 |
| T 7 | 7 42 | 15 10 | 5 11 | 5 50 | 0 57 | 5 59 | 5 40 | 23 56 | 2 34 | 8 17 | 1 4 | 16 38 | 1 48 | 18 30 | 0 15 | 16 51 | 0 21 | 10 41 | 17 28 | 7 17 | 7 12 | 16 9 | 14 38 | 1 36 |
| W 8 | 8 5 | 12 37 | 4 51 | 6 34 | 0 51 | 5 37 | 5 25 | 23 48 | 2 32 | 8 13 | 1 4 | 16 40 | 1 48 | 18 29 | 0 15 | 16 51 | 0 21 | 10 41 | 17 28 | 7 17 | 7 11 | 16 8 | 14 37 | 1 36 |
| T 9 | 8 27 | 9 31 | 4 18 | 7 17 | 0 44 | 5 16 | 5 11 | 23 39 | 2 30 | 8 9 | 1 4 | 16 41 | 1 48 | 18 29 | 0 15 | 16 50 | 0 21 | 10 42 | 17 28 | 7 17 | 7 10 | 16 7 | 14 36 | 1 36 |
| F 10 | 8 50 | 5 58 | 3 34 | 8 0 | 0 38 | 4 56 | 4 57 | 23 30 | 2 28 | 8 4 | 1 4 | 16 43 | 1 48 | 18 28 | 0 15 | 16 50 | 0 21 | 10 42 | 17 28 | 7 17 | 7 9 | 16 6 | 14 35 | 1 36 |
| S 11 | 9 12 | 2 5 | 2 38 | 8 43 | 0 31 | 4 37 | 4 42 | 23 20 | 2 26 | 8 0 | 1 5 | 16 45 | 1 48 | 18 28 | 0 15 | 16 50 | 0 21 | 10 42 | 17 28 | 7 17 | 7 7 | 16 4 | 14 34 | 1 36 |
| S 12 | 9 34 | 1s59 | 1 34 | 9 26 | 0 25 | 4 19 | 4 27 | 23 11 | 2 24 | 7 56 | 1 5 | 16 47 | 1 47 | 18 27 | 0 15 | 16 50 | 0 21 | 10 43 | 17 28 | 7 17 | 7 6 | 16 3 | 14 33 | 1 36 |
| M13 | 9 56 | 6 3 | 0 23 | 10 7 | 0 18 | 4 2 | 4 13 | 23 1 | 2 22 | 7 52 | 1 5 | 16 49 | 1 47 | 18 26 | 0 15 | 16 49 | 0 21 | 10 43 | 17 28 | 7 17 | 7 5 | 16 2 | 14 32 | 1 36 |
| T 14 | 10 18 | 9 55 | 0n51 | 10 48 | 0 12 | 3 46 | 3 58 | 22 51 | 2 20 | 7 48 | 1 5 | 16 50 | 1 47 | 18 26 | 0 15 | 16 49 | 0 21 | 10 43 | 17 27 | 7 17 | 7 4 | 16 1 | 14 31 | 1 37 |
| W15 | 10 40 | 13 21 | 2 3 | 11 29 | 0 5 | 3 31 | 3 44 | 22 41 | 2 18 | 7 44 | 1 5 | 16 52 | 1 47 | 18 25 | 0 15 | 16 49 | 0 21 | 10 44 | 17 27 | 7 17 | 7 3 | 16 0 | 14 30 | 1 37 |
| T 16 | 11 2 | 16 5 | 3 9 | 12 9 | 0s 2 | 3 17 | 3 29 | 22 31 | 2 16 | 7 40 | 1 5 | 16 54 | 1 47 | 18 25 | 0 15 | 16 49 | 0 21 | 10 44 | 17 27 | 7 17 | 7 1 | 15 59 | 14 29 | 1 37 |
| F 17 | 11 23 | 17 54 | 4 5 | 12 48 | 0 8 | 3 4 | 3 15 | 22 21 | 2 15 | 7 36 | 1 6 | 16 56 | 1 47 | 18 24 | 0 15 | 16 48 | 0 21 | 10 44 | 17 27 | 7 16 | 7 0 | 15 58 | 14 28 | 1 37 |
| S 18 | 11 44 | 18 37 | 4 47 | 13 27 | 0 15 | 2 52 | 3 1 | 22 10 | 2 13 | 7 32 | 1 6 | 16 57 | 1 47 | 18 24 | 0 15 | 16 48 | 0 21 | 10 45 | 17 27 | 7 16 | 6 59 | 15 57 | 14 27 | 1 37 |
| S 19 | 12 6 | 18 10 | 5 11 | 14 5 | 0 22 | 2 41 | 2 47 | 22 0 | 2 11 | 7 28 | 1 6 | 16 59 | 1 47 | 18 23 | 0 15 | 16 48 | 0 21 | 10 45 | 17 27 | 7 15 | 6 58 | 15 56 | 14 26 | 1 37 |
| M20 | 12 26 | 16 35 | 5 16 | 14 42 | 0 28 | 2 31 | 2 34 | 21 49 | 2 9 | 7 24 | 1 6 | 17 1 | 1 47 | 18 23 | 0 15 | 16 48 | 0 21 | 10 45 | 17 27 | 7 15 | 6 56 | 15 54 | 14 25 | 1 37 |
| T 21 | 12 47 | 13 59 | 5 1 | 15 19 | 0 35 | 2 23 | 2 20 | 21 38 | 2 7 | 7 20 | 1 6 | 17 3 | 1 46 | 18 22 | 0 14 | 16 48 | 0 21 | 10 45 | 17 27 | 7 15 | 6 55 | 15 53 | 14 24 | 1 37 |
| W22 | 13 8 | 10 34 | 4 29 | 15 55 | 0 41 | 2 16 | 2 7 | 21 27 | 2 5 | 7 16 | 1 6 | 17 5 | 1 46 | 18 21 | 0 14 | 16 47 | 0 21 | 10 46 | 17 27 | 7 15 | 6 54 | 15 52 | 14 23 | 1 38 |
| T 23 | 13 28 | 6 35 | 3 41 | 16 30 | 0 48 | 2 9 | 1 54 | 21 15 | 2 3 | 7 12 | 1 7 | 17 6 | 1 46 | 18 21 | 0 14 | 16 47 | 0 21 | 10 46 | 17 26 | 7 15 | 6 53 | 15 51 | 14 22 | 1 38 |
| F 24 | 13 48 | 2 16 | 2 40 | 17 4 | 0 54 | 2 4 | 1 42 | 21 4 | 2 2 | 7 8 | 1 7 | 17 8 | 1 46 | 18 20 | 0 14 | 16 47 | 0 21 | 10 46 | 17 26 | 7 16 | 6 52 | 15 50 | 14 21 | 1 38 |
| S 25 | 14 8 | 2n 7 | 1 30 | 17 37 | 1 0 | 2 0 | 1 29 | 20 52 | 2 0 | 7 5 | 1 7 | 17 10 | 1 46 | 18 20 | 0 14 | 16 47 | 0 21 | 10 47 | 17 26 | 7 16 | 6 50 | 15 49 | 14 20 | 1 38 |
| S 26 | 14 27 | 6 21 | 0 17 | 18 10 | 1 6 | 1 57 | 1 17 | 20 40 | 1 58 | 7 1 | 1 7 | 17 12 | 1 46 | 18 19 | 0 14 | 16 47 | 0 21 | 10 47 | 17 26 | 7 17 | 6 49 | 15 48 | 14 19 | 1 38 |
| M27 | 14 47 | 10 13 | 0s56 | 18 42 | 1 12 | 1 55 | 1 6 | 20 28 | 1 56 | 6 57 | 1 7 | 17 13 | 1 46 | 18 18 | 0 14 | 16 47 | 0 21 | 10 47 | 17 26 | 7 16 | 6 48 | 15 47 | 14 18 | 1 38 |
| T 28 | 15 6 | 13 29 | 2 5 | 19 12 | 1 18 | 1 54 | 0 54 | 20 16 | 1 55 | 6 54 | 1 8 | 17 15 | 1 46 | 18 18 | 0 14 | 16 46 | 0 21 | 10 47 | 17 26 | 7 16 | 6 47 | 15 45 | 14 17 | 1 38 |
| W29 | 15 25 | 16 2 | 3 7 | 19 42 | 1 24 | 1 54 | 0 43 | 20 4 | 1 53 | 6 50 | 1 8 | 17 17 | 1 46 | 18 17 | 0 14 | 16 46 | 0 21 | 10 47 | 17 25 | 7 15 | 6 45 | 15 44 | 14 16 | 1 38 |
| T 30 | 15 43 | 17 45 | 3 57 | 20 11 | 1 29 | 1 55 | 0 32 | 19 51 | 1 51 | 6 47 | 1 8 | 17 19 | 1 46 | 18 16 | 0 14 | 16 46 | 0 21 | 10 48 | 17 25 | 7 13 | 6 44 | 15 43 | 14 15 | 1 38 |
| F 31 | 16s 2 | 18n35 | 4s36 | 20s39 | 1s34 | 1s57 | 0s22 | 19s38 | 1s49 | 6n43 | 1n 8 | 17s21 | 1n46 | 18n16 | 0s14 | 16n46 | 0n21 | 10s48 | 17s25 | 7s12 | 6s43 | 15n42 | 14n14 | 1s39 |

Julian Day Number = 2123836.5, Delta T = 17m34s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'55, Lahiri = 11°20'55 Julian Calendar 1 Oct. 1102 == Greg. Calendar 8 Oct. 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## NOVEMBER 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 4 8 | 14♏43'09 | 2♋ 4 | 26♏36 | 4♎33 | 10♒27 | 15♍50 | 24♏53 | 22°R31 | 14♑58 | 13°R11 | 18°R12 | 16♎58 | 28♋ 9 | 12°R52 | S 1 |
| S 2 | 3 8 5 | 15°43'49 | 14° 6 | 28° 7 | 5° 5 | 11° 8 | 16° 0 | 25° 0 | 22♉28 | 14°58 | 13♈10 | 18♎ 8 | 16°55 | 28°16 | 12♉49 | S 2 |
| M 3 | 3 12 2 | 16°44'29 | 26° 1 | 29°38 | 5°39 | 11°49 | 16° 9 | 25° 7 | 22°26 | 14°58 | 13° 9 | 18° 4 | 16°52 | 28°23 | 12°46 | M 3 |
| T 4 | 3 15 58 | 17°45'12 | 7♌52 | 1♐ 8 | 6°14 | 12°30 | 16°18 | 25°14 | 22°23 | 14°59 | 13° 8 | 18° 3 | 16°49 | 28°29 | 12°42 | T 4 |
| W 5 | 3 19 55 | 18°45'56 | 19°46 | 2°38 | 6°51 | 13°11 | 16°27 | 25°21 | 22°21 | 14°59 | 13° 7 | 18°D 2 | 16°45 | 28°36 | 12°39 | W 5 |
| T 6 | 3 23 51 | 19°46'42 | 1♍45 | 4° 8 | 7°28 | 13°52 | 16°36 | 25°28 | 22°18 | 14°59 | 13° 6 | 18° 3 | 16°42 | 28°43 | 12°36 | T 6 |
| F 7 | 3 27 48 | 20°47'29 | 13°57 | 5°38 | 8° 7 | 14°33 | 16°44 | 25°35 | 22°16 | 14°59 | 13° 5 | 18° 4 | 16°39 | 28°49 | 12°33 | F 7 |
| S 8 | 3 31 44 | 21°48'18 | 26°24 | 7° 7 | 8°48 | 15°14 | 16°53 | 25°42 | 22°13 | 14°59 | 13° 5 | 18° 6 | 16°36 | 28°56 | 12°30 | S 8 |
| S 9 | 3 35 41 | 22°49'09 | 9♎11 | 8°36 | 9°29 | 15°56 | 17° 2 | 25°49 | 22°10 | 14°59 | 13° 4 | 18° 7 | 16°33 | 29° 3 | 12°27 | S 9 |
| M10 | 3 39 37 | 23°50'01 | 22°22 | 10° 4 | 10°12 | 16°37 | 17°10 | 25°56 | 22° 8 | 14°59 | 13° 3 | 18°R 8 | 16°29 | 29°10 | 12°24 | M10 |
| T 11 | 3 43 34 | 24°50'54 | 5♏56 | 11°32 | 10°56 | 17°18 | 17°18 | 26° 3 | 22° 5 | 15°R 0 | 13° 2 | 18° 6 | 16°26 | 29°16 | 12°20 | T 11 |
| W12 | 3 47 31 | 25°51'48 | 19°54 | 12°59 | 11°40 | 18° 0 | 17°26 | 26°10 | 22° 3 | 14°59 | 13° 1 | 18° 3 | 16°23 | 29°23 | 12°17 | W12 |
| T 13 | 3 51 27 | 26°52'44 | 4♐11 | 14°25 | 12°26 | 18°41 | 17°34 | 26°17 | 22° 0 | 14°59 | 13° 0 | 17°58 | 16°20 | 29°30 | 12°14 | T 13 |
| F 14 | 3 55 24 | 27°53'41 | 18°43 | 15°50 | 13°13 | 19°23 | 17°42 | 26°24 | 21°58 | 14°59 | 13° 0 | 17°52 | 16°17 | 29°36 | 12°11 | F 14 |
| S 15 | 3 59 20 | 28°54'39 | 3♑23 | 17°15 | 14° 1 | 20° 5 | 17°50 | 26°31 | 21°55 | 14°59 | 12°59 | 17°45 | 16°14 | 29°43 | 12° 8 | S 15 |
| S 16 | 4 3 17 | 29°55'38 | 18° 2 | 18°38 | 14°49 | 20°46 | 17°57 | 26°38 | 21°53 | 14°59 | 12°58 | 17°39 | 16°10 | 29°50 | 12° 5 | S 16 |
| M17 | 4 7 13 | 0♐56'37 | 2♒35 | 20° 0 | 15°39 | 21°28 | 18° 5 | 26°46 | 21°50 | 14°59 | 12°57 | 17°34 | 16° 7 | 29°57 | 12° 2 | M17 |
| T 18 | 4 11 10 | 1°57'38 | 16°57 | 21°21 | 16°29 | 22°10 | 18°12 | 26°53 | 21°48 | 14°59 | 12°57 | 17°31 | 16° 4 | 0♌ 3 | 11°59 | T 18 |
| W19 | 4 15 7 | 2°58'38 | 1♓ 5 | 22°40 | 17°20 | 22°52 | 18°19 | 27° 0 | 21°45 | 14°58 | 12°56 | 17°D30 | 16° 1 | 0°10 | 11°56 | W19 |
| T 20 | 4 19 3 | 3°59'40 | 14°57 | 23°56 | 18°12 | 23°33 | 18°26 | 27° 7 | 21°43 | 14°58 | 12°55 | 17°30 | 15°58 | 0°17 | 11°53 | T 20 |
| F 21 | 4 23 0 | 5° 0'42 | 28°33 | 25°10 | 19° 4 | 24°15 | 18°33 | 27°14 | 21°40 | 14°58 | 12°55 | 17°32 | 15°55 | 0°23 | 11°50 | F 21 |
| S 22 | 4 26 56 | 6° 1'44 | 11♈55 | 26°22 | 19°58 | 24°57 | 18°40 | 27°21 | 21°38 | 14°58 | 12°54 | 17°R33 | 15°51 | 0°30 | 11°47 | S 22 |
| S 23 | 4 30 53 | 7° 2'47 | 25° 5 | 27°30 | 20°52 | 25°39 | 18°47 | 27°28 | 21°36 | 14°57 | 12°54 | 17°33 | 15°48 | 0°37 | 11°45 | S 23 |
| M24 | 4 34 49 | 8° 3'51 | 8♉ 2 | 28°34 | 21°46 | 26°21 | 18°53 | 27°35 | 21°33 | 14°57 | 12°53 | 17°30 | 15°45 | 0°44 | 11°42 | M24 |
| T 25 | 4 38 46 | 9° 4'55 | 20°49 | 29°34 | 22°42 | 27° 3 | 19° 0 | 27°42 | 21°31 | 14°56 | 12°52 | 17°26 | 15°42 | 0°50 | 11°39 | T 25 |
| W26 | 4 42 42 | 10° 6'00 | 3♊25 | 0♑29 | 23°37 | 27°45 | 19° 6 | 27°49 | 21°28 | 14°56 | 12°52 | 17°19 | 15°39 | 0°57 | 11°36 | W26 |
| T 27 | 4 46 39 | 11° 7'05 | 15°50 | 1°18 | 24°34 | 28°27 | 19°12 | 27°56 | 21°26 | 14°55 | 12°51 | 17° 9 | 15°35 | 1° 4 | 11°34 | T 27 |
| F 28 | 4 50 36 | 12° 8'11 | 28° 6 | 2° 1 | 25°31 | 29° 9 | 19°18 | 28° 3 | 21°24 | 14°55 | 12°51 | 16°59 | 15°32 | 1°11 | 11°31 | F 28 |
| S 29 | 4 54 32 | 13° 9'18 | 10♋13 | 2°36 | 26°29 | 29°51 | 19°23 | 28°10 | 21°21 | 14°54 | 12°50 | 16°47 | 15°29 | 1°17 | 11°28 | S 29 |
| S 30 | 4 58 29 | 14♐10'26 | 22♋12 | 3♑ 4 | 27♎27 | 0♓33 | 19♍29 | 28♏17 | 21♉19 | 14♌54 | 12♈50 | 16♎36 | 15♎26 | 1♌24 | 11♉26 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s20 | 18n31 | 5s 1 | 21s 6 | 1s40 | 2s 0 | 0s12 | 19s26 | 1s48 | 6n40 | 1n 8 | 17s22 | 1n45 | 18n15 | 0s14 | 16n46 | 0n22 | 10s48 | 17s25 | 7s10 | 6s42 | 15n41 | 14n13 | 1s39 |
| S 2 | 16 38 | 17 38 | 5 12 | 21 32 | 1 44 | 2 3 | 0 2 | 19 13 | 1 46 | 6 36 | 1 9 | 17 24 | 1 45 | 18 15 | 0 14 | 16 46 | 0 22 | 10 48 | 17 25 | 7 9 | 6 41 | 15 40 | 14 11 | 1 39 |
| M 3 | 16 55 | 15 58 | 5 10 | 21 57 | 1 49 | 2 8 | 0n 8 | 19 0 | 1 44 | 6 33 | 1 9 | 17 26 | 1 45 | 18 14 | 0 14 | 16 46 | 0 22 | 10 48 | 17 24 | 7 7 | 6 39 | 15 39 | 14 10 | 1 39 |
| T 4 | 17 12 | 13 38 | 4 55 | 22 20 | 1 54 | 2 14 | 0 17 | 18 46 | 1 42 | 6 29 | 1 9 | 17 28 | 1 45 | 18 13 | 0 14 | 16 46 | 0 22 | 10 48 | 17 24 | 7 7 | 6 38 | 15 37 | 14 9 | 1 39 |
| W 5 | 17 29 | 10 44 | 4 27 | 22 43 | 1 58 | 2 20 | 0 26 | 18 33 | 1 41 | 6 26 | 1 9 | 17 29 | 1 45 | 18 13 | 0 14 | 16 46 | 0 22 | 10 49 | 17 24 | 7 6 | 6 37 | 15 36 | 14 8 | 1 39 |
| T 6 | 17 46 | 7 22 | 3 47 | 23 4 | 2 2 | 2 27 | 0 35 | 18 19 | 1 39 | 6 23 | 1 9 | 17 31 | 1 45 | 18 12 | 0 14 | 16 46 | 0 22 | 10 49 | 17 24 | 7 7 | 6 36 | 15 35 | 14 7 | 1 39 |
| F 7 | 18 2 | 3 38 | 2 56 | 23 24 | 2 6 | 2 35 | 0 43 | 18 6 | 1 37 | 6 20 | 1 10 | 17 33 | 1 45 | 18 11 | 0 14 | 16 46 | 0 22 | 10 49 | 17 23 | 7 7 | 6 34 | 15 34 | 14 6 | 1 39 |
| S 8 | 18 18 | 0s20 | 1 56 | 23 43 | 2 9 | 2 43 | 0 51 | 17 52 | 1 36 | 6 16 | 1 10 | 17 34 | 1 45 | 18 11 | 0 14 | 16 46 | 0 22 | 10 49 | 17 23 | 7 8 | 6 33 | 15 33 | 14 5 | 1 39 |
| S 9 | 18 34 | 4 24 | 0 49 | 24 1 | 2 12 | 2 52 | 0 59 | 17 38 | 1 34 | 6 13 | 1 10 | 17 36 | 1 45 | 18 10 | 0 14 | 16 46 | 0 22 | 10 49 | 17 23 | 7 8 | 6 32 | 15 32 | 14 4 | 1 39 |
| M10 | 18 49 | 8 23 | 0n23 | 24 17 | 2 15 | 3 2 | 1 7 | 17 24 | 1 32 | 6 10 | 1 10 | 17 38 | 1 45 | 18 9 | 0 14 | 16 46 | 0 22 | 10 49 | 17 23 | 7 8 | 6 31 | 15 31 | 14 3 | 1 39 |
| T 11 | 19 4 | 12 4 | 1 35 | 24 32 | 2 17 | 3 13 | 1 14 | 17 10 | 1 31 | 6 7 | 1 10 | 17 40 | 1 45 | 18 9 | 0 14 | 16 46 | 0 22 | 10 49 | 17 22 | 7 8 | 6 30 | 15 29 | 14 2 | 1 39 |
| W12 | 19 19 | 15 10 | 2 44 | 24 46 | 2 19 | 3 24 | 1 21 | 16 55 | 1 29 | 6 4 | 1 11 | 17 41 | 1 45 | 18 8 | 0 14 | 16 46 | 0 22 | 10 49 | 17 22 | 7 7 | 6 28 | 15 28 | 14 1 | 1 39 |
| T 13 | 19 33 | 17 25 | 3 44 | 24 58 | 2 21 | 3 36 | 1 28 | 16 41 | 1 28 | 6 1 | 1 11 | 17 43 | 1 45 | 18 7 | 0 14 | 16 46 | 0 22 | 10 49 | 17 22 | 7 5 | 6 27 | 15 27 | 14 0 | 1 40 |
| F 14 | 19 47 | 18 35 | 4 30 | 25 9 | 2 22 | 3 48 | 1 34 | 16 26 | 1 26 | 5 58 | 1 11 | 17 45 | 1 45 | 18 7 | 0 14 | 16 46 | 0 22 | 10 49 | 17 22 | 7 2 | 6 26 | 15 26 | 13 59 | 1 40 |
| S 15 | 20 1 | 18 31 | 5 0 | 25 18 | 2 23 | 4 1 | 1 40 | 16 12 | 1 24 | 5 56 | 1 11 | 17 46 | 1 45 | 18 6 | 0 14 | 16 46 | 0 22 | 10 49 | 17 21 | 7 0 | 6 25 | 15 25 | 13 58 | 1 40 |
| S 16 | 20 14 | 17 13 | 5 9 | 25 26 | 2 23 | 4 14 | 1 46 | 15 57 | 1 23 | 5 53 | 1 12 | 17 48 | 1 45 | 18 6 | 0 14 | 16 46 | 0 22 | 10 49 | 17 21 | 6 57 | 6 23 | 15 24 | 13 57 | 1 40 |
| M17 | 20 27 | 14 50 | 4 59 | 25 32 | 2 22 | 4 28 | 1 52 | 15 42 | 1 21 | 5 50 | 1 12 | 17 50 | 1 45 | 18 5 | 0 14 | 16 46 | 0 22 | 10 49 | 17 21 | 6 56 | 6 22 | 15 22 | 13 56 | 1 40 |
| T 18 | 20 39 | 11 33 | 4 29 | 25 37 | 2 21 | 4 42 | 1 57 | 15 27 | 1 20 | 5 47 | 1 12 | 17 51 | 1 45 | 18 4 | 0 14 | 16 46 | 0 22 | 10 49 | 17 21 | 6 54 | 6 21 | 15 21 | 13 55 | 1 40 |
| W19 | 20 51 | 7 39 | 3 44 | 25 40 | 2 19 | 4 57 | 2 3 | 15 11 | 1 18 | 5 45 | 1 12 | 17 53 | 1 45 | 18 4 | 0 14 | 16 46 | 0 22 | 10 49 | 17 20 | 6 54 | 6 20 | 15 20 | 13 54 | 1 40 |
| T 20 | 21 3 | 3 24 | 2 47 | 25 42 | 2 17 | 5 12 | 2 7 | 14 56 | 1 17 | 5 42 | 1 13 | 17 55 | 1 45 | 18 3 | 0 14 | 16 46 | 0 22 | 10 49 | 17 20 | 6 54 | 6 19 | 15 19 | 13 53 | 1 40 |
| F 21 | 21 14 | 0n58 | 1 41 | 25 42 | 2 14 | 5 28 | 2 12 | 14 41 | 1 15 | 5 40 | 1 13 | 17 56 | 1 44 | 18 2 | 0 14 | 16 46 | 0 22 | 10 49 | 17 20 | 6 55 | 6 17 | 15 18 | 13 52 | 1 40 |
| S 22 | 21 25 | 5 12 | 0 30 | 25 40 | 2 10 | 5 44 | 2 17 | 14 25 | 1 14 | 5 37 | 1 13 | 17 58 | 1 44 | 18 2 | 0 14 | 16 47 | 0 22 | 10 49 | 17 19 | 6 55 | 6 16 | 15 16 | 13 51 | 1 40 |
| S 23 | 21 35 | 9 7 | 0s41 | 25 37 | 2 5 | 6 0 | 2 21 | 14 10 | 1 12 | 5 35 | 1 13 | 17 59 | 1 44 | 18 1 | 0 14 | 16 47 | 0 22 | 10 49 | 17 19 | 6 55 | 6 15 | 15 15 | 13 51 | 1 40 |
| M24 | 21 45 | 12 33 | 1 48 | 25 32 | 1 59 | 6 17 | 2 25 | 13 54 | 1 11 | 5 33 | 1 14 | 18 1 | 1 44 | 18 1 | 0 14 | 16 47 | 0 22 | 10 49 | 17 19 | 6 54 | 6 14 | 15 14 | 13 50 | 1 40 |
| T 25 | 21 55 | 15 20 | 2 49 | 25 25 | 1 52 | 6 34 | 2 29 | 13 38 | 1 9 | 5 30 | 1 14 | 18 3 | 1 44 | 18 0 | 0 14 | 16 47 | 0 22 | 10 49 | 17 18 | 6 52 | 6 12 | 15 13 | 13 49 | 1 40 |
| W26 | 22 4 | 17 20 | 3 41 | 25 17 | 1 44 | 6 51 | 2 32 | 13 22 | 1 8 | 5 28 | 1 14 | 18 4 | 1 44 | 17 59 | 0 14 | 16 47 | 0 22 | 10 49 | 17 18 | 6 50 | 6 11 | 15 12 | 13 48 | 1 40 |
| T 27 | 22 13 | 18 28 | 4 21 | 25 8 | 1 35 | 7 9 | 2 36 | 13 6 | 1 6 | 5 26 | 1 14 | 18 6 | 1 44 | 17 59 | 0 14 | 16 47 | 0 22 | 10 49 | 17 18 | 6 46 | 6 10 | 15 10 | 13 47 | 1 40 |
| F 28 | 22 21 | 18 44 | 4 48 | 24 57 | 1 25 | 7 27 | 2 39 | 12 50 | 1 5 | 5 24 | 1 15 | 18 7 | 1 44 | 17 58 | 0 14 | 16 48 | 0 22 | 10 49 | 17 18 | 6 42 | 6 9 | 15 9 | 13 46 | 1 40 |
| S 29 | 22 29 | 18 8 | 5 2 | 24 45 | 1 13 | 7 45 | 2 42 | 12 34 | 1 3 | 5 22 | 1 15 | 18 9 | 1 44 | 17 58 | 0 14 | 16 48 | 0 22 | 10 49 | 17 17 | 6 38 | 6 7 | 15 8 | 13 45 | 1 40 |
| S 30 | 22s37 | 16n44 | 5s 3 | 24s32 | 1s 1 | 8s 3 | 2n45 | 12s17 | 1s 2 | 5n20 | 1n15 | 18s10 | 1n44 | 17n57 | 0s14 | 16n48 | 0n22 | 10s49 | 17s17 | 6s34 | 6s 6 | 15n 7 | 13n45 | 1s40 |

Julian Day Number = 2123867.5, Delta T = 17m33s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°13'59, Lahiri = 11°20'59 Julian Calendar 1 Nov. 1102 == Greg. Calendar 8 Nov. 1102


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# ASTRODIENST EPHEMERIS for the year 1102
# geocentric

## DECEMBER 1102 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 2 25 | 15♐11'34 | 4♌ 5 | 3♑22 | 28♎25 | 1♓15 | 19♍34 | 28♏23 | 21°R17 | 14°R53 | 12°R49 | 16°R27 | 15♎23 | 1♌31 | 11°R23 | M 1 |
| T 2 | 5 6 22 | 16°12'43 | 15°55 | 3°R30 | 29°25 | 1°57 | 19°39 | 28°30 | 21♉15 | 14♌52 | 12♈49 | 16♎20 | 15°20 | 1°37 | 11♉21 | T 2 |
| W 3 | 5 10 18 | 17°13'52 | 27°47 | 3°27 | 0♏24 | 2°40 | 19°44 | 28°37 | 21°12 | 14°52 | 12°48 | 16°15 | 15°16 | 1°44 | 11°18 | W 3 |
| T 4 | 5 14 15 | 18°15'02 | 9♍43 | 3°13 | 1°24 | 3°22 | 19°49 | 28°44 | 21°10 | 14°51 | 12°48 | 16°13 | 15°13 | 1°51 | 11°16 | T 4 |
| F 5 | 5 18 11 | 19°16'13 | 21°50 | 2°47 | 2°25 | 4° 4 | 19°54 | 28°51 | 21° 8 | 14°50 | 12°48 | 16°D13 | 15°10 | 1°58 | 11°14 | F 5 |
| S 6 | 5 22 8 | 20°17'24 | 4♎13 | 2° 9 | 3°26 | 4°46 | 19°59 | 28°58 | 21° 6 | 14°49 | 12°47 | 16°13 | 15° 7 | 2° 4 | 11°11 | S 6 |
| S 7 | 5 26 5 | 21°18'36 | 16°56 | 1°20 | 4°27 | 5°28 | 20° 3 | 29° 4 | 21° 4 | 14°48 | 12°47 | 16°R14 | 15° 4 | 2°11 | 11° 9 | S 7 |
| M 8 | 5 30 1 | 22°19'48 | 0♏ 5 | 0°21 | 5°29 | 6°11 | 20° 7 | 29°11 | 21° 2 | 14°48 | 12°47 | 16°13 | 15° 1 | 2°18 | 11° 7 | M 8 |
| T 9 | 5 33 58 | 23°21'01 | 13°42 | 29♐12 | 6°31 | 6°53 | 20°11 | 29°18 | 21° 0 | 14°47 | 12°46 | 16°10 | 14°57 | 2°24 | 11° 5 | T 9 |
| W10 | 5 37 54 | 24°22'14 | 27°48 | 27°57 | 7°34 | 7°35 | 20°15 | 29°24 | 20°58 | 14°46 | 12°46 | 16° 4 | 14°54 | 2°31 | 11° 2 | W10 |
| T 11 | 5 41 51 | 25°23'27 | 12♐20 | 26°37 | 8°37 | 8°17 | 20°19 | 29°31 | 20°56 | 14°45 | 12°46 | 15°56 | 14°51 | 2°38 | 11° 0 | T 11 |
| F 12 | 5 45 47 | 26°24'41 | 27°13 | 25°16 | 9°40 | 9° 0 | 20°23 | 29°38 | 20°54 | 14°44 | 12°46 | 15°45 | 14°48 | 2°45 | 10°58 | F 12 |
| S 13 | 5 49 44 | 27°25'55 | 12♑18 | 23°55 | 10°44 | 9°42 | 20°26 | 29°44 | 20°52 | 14°43 | 12°46 | 15°34 | 14°45 | 2°51 | 10°56 | S 13 |
| S 14 | 5 53 40 | 28°27'09 | 27°25 | 22°37 | 11°48 | 10°24 | 20°29 | 29°51 | 20°50 | 14°42 | 12°45 | 15°23 | 14°41 | 2°58 | 10°55 | S 14 |
| M15 | 5 57 37 | 29°28'22 | 12♒23 | 21°26 | 12°52 | 11° 6 | 20°32 | 29°57 | 20°48 | 14°41 | 12°45 | 15°14 | 14°38 | 3° 5 | 10°53 | M15 |
| T 16 | 6 1 34 | 0♑29'35 | 27° 4 | 20°21 | 13°56 | 11°49 | 20°35 | 0♐ 4 | 20°46 | 14°40 | 12°45 | 15° 8 | 14°35 | 3°11 | 10°51 | T 16 |
| W17 | 6 5 30 | 1°30'48 | 11♓24 | 19°26 | 15° 1 | 12°31 | 20°37 | 0°10 | 20°45 | 14°39 | 12°45 | 15° 4 | 14°32 | 3°18 | 10°49 | W17 |
| T 18 | 6 9 27 | 2°32'00 | 25°21 | 18°40 | 16° 6 | 13°13 | 20°40 | 0°16 | 20°43 | 14°37 | 12°45 | 15° 3 | 14°29 | 3°25 | 10°47 | T 18 |
| F 19 | 6 13 23 | 3°33'11 | 8♈54 | 18° 4 | 17°11 | 13°56 | 20°42 | 0°23 | 20°41 | 14°36 | 12°45 | 15° 3 | 14°26 | 3°32 | 10°46 | F 19 |
| S 20 | 6 17 20 | 4°34'23 | 22° 7 | 17°38 | 18°17 | 14°38 | 20°44 | 0°29 | 20°40 | 14°35 | 12°45 | 15° 3 | 14°22 | 3°38 | 10°44 | S 20 |
| S 21 | 6 21 16 | 5°35'33 | 5♉ 2 | 17°22 | 19°23 | 15°20 | 20°46 | 0°35 | 20°38 | 14°34 | 12°D45 | 15° 1 | 14°19 | 3°45 | 10°43 | S 21 |
| M22 | 6 25 13 | 6°36'43 | 17°43 | 17°D15 | 20°29 | 16° 2 | 20°48 | 0°41 | 20°37 | 14°33 | 12°45 | 14°58 | 14°16 | 3°52 | 10°41 | M22 |
| T 23 | 6 29 9 | 7°37'53 | 0♊12 | 17°17 | 21°35 | 16°45 | 20°49 | 0°48 | 20°35 | 14°31 | 12°45 | 14°51 | 14°13 | 3°58 | 10°40 | T 23 |
| W24 | 6 33 6 | 8°39'02 | 12°32 | 17°28 | 22°42 | 17°27 | 20°51 | 0°54 | 20°34 | 14°30 | 12°45 | 14°41 | 14°10 | 4° 5 | 10°39 | W24 |
| T 25 | 6 37 3 | 9°40'10 | 24°44 | 17°46 | 23°48 | 18° 9 | 20°52 | 1° 0 | 20°32 | 14°29 | 12°45 | 14°29 | 14° 7 | 4°12 | 10°37 | T 25 |
| F 26 | 6 40 59 | 10°41'18 | 6♋49 | 18°11 | 24°55 | 18°51 | 20°53 | 1° 6 | 20°31 | 14°27 | 12°45 | 14°14 | 14° 3 | 4°19 | 10°36 | F 26 |
| S 27 | 6 44 56 | 11°42'26 | 18°49 | 18°42 | 26° 2 | 19°34 | 20°53 | 1°12 | 20°29 | 14°26 | 12°45 | 13°59 | 14° 0 | 4°25 | 10°35 | S 27 |
| S 28 | 6 48 52 | 12°43'33 | 0♌43 | 19°18 | 27°10 | 20°16 | 20°54 | 1°18 | 20°28 | 14°25 | 12°45 | 13°44 | 13°57 | 4°32 | 10°34 | S 28 |
| M29 | 6 52 49 | 13°44'39 | 12°35 | 20° 0 | 28°17 | 20°58 | 20°54 | 1°24 | 20°27 | 14°23 | 12°45 | 13°31 | 13°54 | 4°39 | 10°33 | M29 |
| T 30 | 6 56 45 | 14°45'45 | 24°25 | 20°47 | 29°25 | 21°40 | 20°R55 | 1°29 | 20°26 | 14°22 | 12°46 | 13°21 | 13°51 | 4°45 | 10°32 | T 30 |
| W31 | 7 0 42 | 15♑46'51 | 6♍17 | 21♐37 | 0♐33 | 22♓23 | 20♍55 | 1♐35 | 20♉25 | 14♌21 | 12♈46 | 13♎13 | 13♎47 | 4♌52 | 10♉31 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s44 | 14n37 | 4s50 | 24s17 | 0s46 | 8s22 | 2n47 | 12s 1 | 1s 0 | 5n18 | 1n15 | 18s12 | 1n44 | 17n56 | 0s14 | 16n48 | 0n22 | 10s49 | 17s17 | 6s30 | 6s 5 | 15n 6 | 13n44 | 1s40 |
| T 2 | 22 50 | 11 55 | 4 25 | 24 1 | 0 31 | 8 40 | 2 50 | 11 45 | 0 59 | 5 16 | 1 16 | 18 14 | 1 44 | 17 56 | 0 14 | 16 48 | 0 22 | 10 48 | 17 16 | 6 27 | 6 4 | 15 4 | 13 43 | 1 40 |
| W 3 | 22 56 | 8 43 | 3 49 | 23 45 | 0 14 | 8 59 | 2 52 | 11 28 | 0 58 | 5 15 | 1 16 | 18 15 | 1 44 | 17 55 | 0 14 | 16 49 | 0 22 | 10 48 | 17 16 | 6 25 | 6 3 | 15 3 | 13 42 | 1 40 |
| T 4 | 23 2 | 5 9 | 3 2 | 23 27 | 0n 4 | 9 18 | 2 54 | 11 12 | 0 56 | 5 13 | 1 16 | 18 16 | 1 44 | 17 55 | 0 14 | 16 49 | 0 22 | 10 48 | 17 16 | 6 25 | 6 1 | 15 2 | 13 41 | 1 40 |
| F 5 | 23 7 | 1 19 | 2 6 | 23 9 | 0 22 | 9 37 | 2 56 | 10 55 | 0 55 | 5 11 | 1 16 | 18 18 | 1 44 | 17 54 | 0 14 | 16 49 | 0 22 | 10 48 | 17 15 | 6 24 | 6 0 | 15 1 | 13 41 | 1 40 |
| S 6 | 23 12 | 2s39 | 1 4 | 22 50 | 0 42 | 9 57 | 2 57 | 10 38 | 0 53 | 5 10 | 1 17 | 18 19 | 1 44 | 17 54 | 0 14 | 16 49 | 0 22 | 10 48 | 17 15 | 6 25 | 5 59 | 15 0 | 13 40 | 1 41 |
| S 7 | 23 16 | 6 38 | 0n 4 | 22 31 | 1 2 | 10 16 | 2 59 | 10 21 | 0 52 | 5 8 | 1 17 | 18 21 | 1 44 | 17 53 | 0 14 | 16 50 | 0 22 | 10 48 | 17 14 | 6 25 | 5 58 | 14 58 | 13 39 | 1 41 |
| M 8 | 23 20 | 10 25 | 1 13 | 22 12 | 1 22 | 10 35 | 3 0 | 10 4 | 0 51 | 5 7 | 1 17 | 18 22 | 1 44 | 17 53 | 0 14 | 16 50 | 0 22 | 10 47 | 17 14 | 6 24 | 5 56 | 14 57 | 13 38 | 1 41 |
| T 9 | 23 23 | 13 47 | 2 21 | 21 52 | 1 41 | 10 55 | 3 1 | 9 47 | 0 49 | 5 6 | 1 18 | 18 24 | 1 44 | 17 52 | 0 14 | 16 50 | 0 22 | 10 47 | 17 14 | 6 23 | 5 55 | 14 56 | 13 38 | 1 41 |
| W10 | 23 26 | 16 29 | 3 22 | 21 33 | 2 0 | 11 14 | 3 2 | 9 30 | 0 48 | 5 4 | 1 18 | 18 25 | 1 44 | 17 51 | 0 14 | 16 50 | 0 22 | 10 47 | 17 13 | 6 21 | 5 54 | 14 55 | 13 37 | 1 41 |
| T 11 | 23 28 | 18 13 | 4 12 | 21 14 | 2 17 | 11 33 | 3 3 | 9 13 | 0 47 | 5 3 | 1 18 | 18 27 | 1 44 | 17 51 | 0 14 | 16 51 | 0 22 | 10 47 | 17 13 | 6 18 | 5 53 | 14 53 | 13 36 | 1 41 |
| F 12 | 23 30 | 18 45 | 4 46 | 20 56 | 2 32 | 11 53 | 3 3 | 8 56 | 0 45 | 5 2 | 1 18 | 18 28 | 1 44 | 17 50 | 0 14 | 16 51 | 0 22 | 10 46 | 17 13 | 6 14 | 5 51 | 14 52 | 13 36 | 1 41 |
| S 13 | 23 32 | 17 59 | 5 1 | 20 40 | 2 45 | 12 12 | 3 4 | 8 39 | 0 44 | 5 1 | 1 19 | 18 29 | 1 45 | 17 50 | 0 14 | 16 51 | 0 22 | 10 46 | 17 12 | 6 9 | 5 50 | 14 51 | 13 35 | 1 41 |
| S 14 | 23 33 | 15 57 | 4 55 | 20 25 | 2 56 | 12 31 | 3 4 | 8 22 | 0 43 | 5 0 | 1 19 | 18 31 | 1 45 | 17 50 | 0 14 | 16 52 | 0 23 | 10 46 | 17 12 | 6 5 | 5 49 | 14 50 | 13 35 | 1 41 |
| M15 | 23 33 | 12 52 | 4 29 | 20 12 | 3 4 | 12 51 | 3 4 | 8 4 | 0 41 | 4 59 | 1 19 | 18 32 | 1 45 | 17 49 | 0 14 | 16 52 | 0 23 | 10 46 | 17 12 | 6 2 | 5 48 | 14 49 | 13 34 | 1 41 |
| T 16 | 23 33 | 9 1 | 3 45 | 20 2 | 3 10 | 13 10 | 3 4 | 7 47 | 0 40 | 4 58 | 1 20 | 18 33 | 1 45 | 17 49 | 0 14 | 16 52 | 0 23 | 10 45 | 17 11 | 5 59 | 5 47 | 14 47 | 13 33 | 1 41 |
| W17 | 23 33 | 4 44 | 2 48 | 19 55 | 3 14 | 13 29 | 3 4 | 7 30 | 0 39 | 4 57 | 1 20 | 18 35 | 1 45 | 17 48 | 0 14 | 16 53 | 0 23 | 10 45 | 17 11 | 5 58 | 5 45 | 14 46 | 13 33 | 1 41 |
| T 18 | 23 32 | 0 18 | 1 42 | 19 49 | 3 15 | 13 48 | 3 4 | 7 12 | 0 38 | 4 57 | 1 20 | 18 36 | 1 45 | 17 48 | 0 14 | 16 53 | 0 23 | 10 45 | 17 11 | 5 57 | 5 44 | 14 45 | 13 32 | 1 41 |
| F 19 | 23 30 | 4n 3 | 0 32 | 19 47 | 3 15 | 14 7 | 3 3 | 6 55 | 0 36 | 4 56 | 1 20 | 18 37 | 1 45 | 17 47 | 0 14 | 16 53 | 0 23 | 10 44 | 17 10 | 5 57 | 5 43 | 14 44 | 13 32 | 1 41 |
| S 20 | 23 28 | 8 5 | 0s37 | 19 47 | 3 12 | 14 25 | 3 3 | 6 37 | 0 35 | 4 55 | 1 21 | 18 38 | 1 45 | 17 47 | 0 14 | 16 54 | 0 23 | 10 44 | 17 10 | 5 57 | 5 42 | 14 42 | 13 31 | 1 41 |
| S 21 | 23 26 | 11 38 | 1 44 | 19 49 | 3 8 | 14 44 | 3 2 | 6 20 | 0 34 | 4 55 | 1 21 | 18 40 | 1 45 | 17 46 | 0 14 | 16 54 | 0 23 | 10 44 | 17 9 | 5 57 | 5 40 | 14 41 | 13 31 | 1 41 |
| M22 | 23 23 | 14 35 | 2 43 | 19 54 | 3 3 | 15 2 | 3 1 | 6 2 | 0 33 | 4 55 | 1 21 | 18 41 | 1 45 | 17 46 | 0 14 | 16 54 | 0 23 | 10 43 | 17 9 | 5 55 | 5 39 | 14 40 | 13 30 | 1 41 |
| T 23 | 23 20 | 16 48 | 3 34 | 20 0 | 2 57 | 15 20 | 3 0 | 5 45 | 0 32 | 4 54 | 1 22 | 18 42 | 1 45 | 17 46 | 0 14 | 16 55 | 0 23 | 10 43 | 17 9 | 5 53 | 5 38 | 14 39 | 13 30 | 1 41 |
| W24 | 23 16 | 18 12 | 4 14 | 20 8 | 2 50 | 15 38 | 2 59 | 5 27 | 0 30 | 4 54 | 1 22 | 18 43 | 1 45 | 17 45 | 0 14 | 16 55 | 0 23 | 10 43 | 17 8 | 5 49 | 5 37 | 14 37 | 13 30 | 1 41 |
| T 25 | 23 12 | 18 45 | 4 42 | 20 18 | 2 42 | 15 56 | 2 58 | 5 9 | 0 29 | 4 54 | 1 22 | 18 45 | 1 45 | 17 45 | 0 14 | 16 56 | 0 23 | 10 42 | 17 8 | 5 44 | 5 35 | 14 36 | 13 29 | 1 41 |
| F 26 | 23 7 | 18 26 | 4 57 | 20 28 | 2 34 | 16 14 | 2 57 | 4 52 | 0 28 | 4 54 | 1 22 | 18 46 | 1 45 | 17 45 | 0 14 | 16 56 | 0 23 | 10 42 | 17 8 | 5 38 | 5 34 | 14 35 | 13 29 | 1 41 |
| S 27 | 23 2 | 17 18 | 4 58 | 20 39 | 2 25 | 16 31 | 2 56 | 4 34 | 0 27 | 4 54 | 1 23 | 18 47 | 1 45 | 17 44 | 0 14 | 16 56 | 0 23 | 10 42 | 17 7 | 5 32 | 5 33 | 14 34 | 13 28 | 1 41 |
| S 28 | 22 56 | 15 26 | 4 46 | 20 51 | 2 16 | 16 48 | 2 54 | 4 16 | 0 26 | 4 54 | 1 23 | 18 48 | 1 45 | 17 44 | 0 14 | 16 57 | 0 23 | 10 41 | 17 7 | 5 27 | 5 32 | 14 32 | 13 28 | 1 41 |
| M29 | 22 50 | 12 55 | 4 22 | 21 4 | 2 7 | 17 4 | 2 52 | 3 58 | 0 25 | 4 54 | 1 23 | 18 49 | 1 45 | 17 44 | 0 14 | 16 57 | 0 23 | 10 41 | 17 7 | 5 22 | 5 30 | 14 31 | 13 28 | 1 41 |
| T 30 | 22 44 | 9 53 | 3 47 | 21 17 | 1 57 | 17 21 | 2 51 | 3 41 | 0 24 | 4 54 | 1 24 | 18 50 | 1 45 | 17 43 | 0 14 | 16 58 | 0 23 | 10 40 | 17 6 | 5 18 | 5 29 | 14 30 | 13 28 | 1 41 |
| W31 | 22s37 | 6n26 | 3s 1 | 21s30 | 1n48 | 17s37 | 2n49 | 3s23 | 0s22 | 4n54 | 1n24 | 18s51 | 1n45 | 17n43 | 0s14 | 16n58 | 0n23 | 10s40 | 17s 6 | 5s15 | 5s28 | 14n28 | 13n27 | 1s41 |

Julian Day Number = 2123897.5, Delta T = 17m33s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'03, Lahiri = 11°21'04 Julian Calendar 1 Dec. 1102 == Greg. Calendar 8 Dec. 1102


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## JANUARY 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 4 38 | 16♉47'55 | 18♍13 | 22♐32 | 1♐41 | 23♓ 5 | 20°R54 | 1♐41 | 20°R23 | 14°R19 | 12♈46 | 13°R 9 | 13♎44 | 4♌59 | 10°R30 | T 1 |
| F 2 | 7 8 35 | 17°49'00 | 0♎18 | 23°29 | 2°49 | 23°47 | 20♍54 | 1°46 | 20♉22 | 14♌18 | 12°46 | 13♎ 7 | 13°41 | 5° 6 | 10♉30 | F 2 |
| S 3 | 7 12 32 | 18°50'04 | 12°37 | 24°30 | 3°58 | 24°29 | 20°53 | 1°52 | 20°21 | 14°16 | 12°47 | 13° 7 | 13°38 | 5°12 | 10°29 | S 3 |
| S 4 | 7 16 28 | 19°51'07 | 25°14 | 25°34 | 5° 6 | 25°11 | 20°53 | 1°58 | 20°20 | 14°15 | 12°47 | 13° 7 | 13°35 | 5°19 | 10°28 | S 4 |
| M 5 | 7 20 25 | 20°52'10 | 8♏16 | 26°39 | 6°15 | 25°53 | 20°52 | 2° 3 | 20°20 | 14°13 | 12°47 | 13° 6 | 13°32 | 5°26 | 10°28 | M 5 |
| T 6 | 7 24 21 | 21°53'12 | 21°45 | 27°48 | 7°24 | 26°35 | 20°50 | 2° 8 | 20°19 | 14°12 | 12°47 | 13° 3 | 13°28 | 5°32 | 10°27 | T 6 |
| W 7 | 7 28 18 | 22°54'14 | 5♐45 | 28°58 | 8°33 | 27°18 | 20°49 | 2°14 | 20°18 | 14°10 | 12°48 | 12°57 | 13°25 | 5°39 | 10°27 | W 7 |
| T 8 | 7 32 14 | 23°55'15 | 20°15 | 0♑10 | 9°42 | 28° 0 | 20°48 | 2°19 | 20°17 | 14° 9 | 12°48 | 12°49 | 13°22 | 5°46 | 10°26 | T 8 |
| F 9 | 7 36 11 | 24°56'16 | 5♑11 | 1°24 | 10°51 | 28°42 | 20°46 | 2°24 | 20°16 | 14° 7 | 12°49 | 12°39 | 13°19 | 5°53 | 10°26 | F 9 |
| S 10 | 7 40 7 | 25°57'15 | 20°24 | 2°40 | 12° 1 | 29°24 | 20°44 | 2°29 | 20°16 | 14° 6 | 12°49 | 12°27 | 13°16 | 5°59 | 10°26 | S 10 |
| S 11 | 7 44 4 | 26°58'14 | 5♒45 | 3°57 | 13°10 | 0♈ 6 | 20°42 | 2°34 | 20°15 | 14° 4 | 12°50 | 12°16 | 13°13 | 6° 6 | 10°26 | S 11 |
| M12 | 7 48 1 | 27°59'11 | 21° 0 | 5°15 | 14°20 | 0°48 | 20°39 | 2°39 | 20°15 | 14° 2 | 12°50 | 12° 7 | 13° 9 | 6°13 | 10°26 | M12 |
| T 13 | 7 51 57 | 29° 0'07 | 6♓ 1 | 6°35 | 15°30 | 1°30 | 20°37 | 2°44 | 20°14 | 14° 1 | 12°50 | 12° 0 | 13° 6 | 6°19 | 10°D26 | T 13 |
| W14 | 7 55 54 | 0♒ 1'02 | 20°38 | 7°56 | 16°40 | 2°12 | 20°34 | 2°49 | 20°14 | 13°59 | 12°51 | 11°56 | 13° 3 | 6°26 | 10°26 | W14 |
| T 15 | 7 59 50 | 1° 1'55 | 4♈49 | 9°18 | 17°50 | 2°54 | 20°31 | 2°54 | 20°13 | 13°58 | 12°52 | 11°54 | 13° 0 | 6°33 | 10°26 | T 15 |
| F 16 | 8 3 47 | 2° 2'46 | 18°31 | 10°41 | 19° 0 | 3°36 | 20°28 | 2°59 | 20°13 | 13°56 | 12°52 | 11°D54 | 12°57 | 6°40 | 10°26 | F 16 |
| S 17 | 8 7 43 | 3° 3'37 | 1♉48 | 12° 5 | 20°10 | 4°18 | 20°25 | 3° 3 | 20°13 | 13°54 | 12°53 | 11°R54 | 12°53 | 6°46 | 10°26 | S 17 |
| S 18 | 8 11 40 | 4° 4'25 | 14°41 | 13°30 | 21°20 | 5° 0 | 20°22 | 3° 8 | 20°12 | 13°53 | 12°53 | 11°54 | 12°50 | 6°53 | 10°26 | S 18 |
| M19 | 8 15 36 | 5° 5'12 | 27°17 | 14°57 | 22°30 | 5°42 | 20°18 | 3°13 | 20°12 | 13°51 | 12°54 | 11°51 | 12°47 | 7° 0 | 10°27 | M19 |
| T 20 | 8 19 33 | 6° 5'58 | 9♊37 | 16°24 | 23°41 | 6°24 | 20°14 | 3°17 | 20°12 | 13°49 | 12°55 | 11°46 | 12°44 | 7° 6 | 10°27 | T 20 |
| W21 | 8 23 30 | 7° 6'42 | 21°47 | 17°52 | 24°51 | 7° 6 | 20°10 | 3°21 | 20°12 | 13°48 | 12°55 | 11°39 | 12°41 | 7°13 | 10°28 | W21 |
| T 22 | 8 27 26 | 8° 7'24 | 3♋49 | 19°21 | 26° 2 | 7°47 | 20° 6 | 3°26 | 20°D12 | 13°46 | 12°56 | 11°29 | 12°38 | 7°20 | 10°28 | T 22 |
| F 23 | 8 31 23 | 9° 8'05 | 15°46 | 20°51 | 27°13 | 8°29 | 20° 2 | 3°30 | 20°12 | 13°44 | 12°57 | 11°17 | 12°34 | 7°27 | 10°29 | F 23 |
| S 24 | 8 35 19 | 10° 8'45 | 27°40 | 22°22 | 28°23 | 9°11 | 19°58 | 3°34 | 20°12 | 13°43 | 12°57 | 11° 4 | 12°31 | 7°33 | 10°30 | S 24 |
| S 25 | 8 39 16 | 11° 9'22 | 9♌32 | 23°53 | 29°34 | 9°53 | 19°53 | 3°38 | 20°12 | 13°41 | 12°58 | 10°52 | 12°28 | 7°40 | 10°30 | S 25 |
| M26 | 8 43 12 | 12° 9'58 | 21°23 | 25°26 | 0♑45 | 10°34 | 19°48 | 3°42 | 20°12 | 13°39 | 12°59 | 10°42 | 12°25 | 7°47 | 10°31 | M26 |
| T 27 | 8 47 9 | 13°10'33 | 3♍16 | 27° 0 | 1°56 | 11°16 | 19°43 | 3°46 | 20°13 | 13°38 | 13° 0 | 10°33 | 12°22 | 7°53 | 10°32 | T 27 |
| W28 | 8 51 5 | 14°11'06 | 15°12 | 28°34 | 3° 7 | 11°58 | 19°38 | 3°50 | 20°13 | 13°36 | 13° 0 | 10°27 | 12°18 | 8° 0 | 10°33 | W28 |
| T 29 | 8 55 2 | 15°11'38 | 27°14 | 0♒ 9 | 4°19 | 12°40 | 19°33 | 3°53 | 20°13 | 13°34 | 13° 1 | 10°24 | 12°15 | 8° 7 | 10°34 | T 29 |
| F 30 | 8 58 59 | 16°12'09 | 9♎23 | 1°45 | 5°30 | 13°21 | 19°28 | 3°57 | 20°14 | 13°32 | 13° 2 | 10°D23 | 12°12 | 8°14 | 10°35 | F 30 |
| S 31 | 9 2 55 | 17♒12'38 | 21♎45 | 3♒22 | 6♑41 | 14♈ 3 | 19♍22 | 4♐ 0 | 20♉14 | 13♌31 | 13♈ 3 | 10♎23 | 12♎ 9 | 8♌20 | 10♉36 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s29 | 2n44 | 2s 8 | 21s42 | 1n38 | 17s52 | 2n47 | 3s 5 | 0s21 | 4n55 | 1n24 | 18s52 | 1n45 | 17n43 | 0s14 | 16n59 | 0n23 | 10s40 | 17s 5 | 5s13 | 5s27 | 14n27 | 13n27 | 1s41 |
| F 2 | 22 22 | 1s 9 | 1 7 | 21 55 | 1 28 | 18 8 | 2 45 | 2 47 | 0 20 | 4 55 | 1 24 | 18 54 | 1 46 | 17 42 | 0 14 | 16 59 | 0 23 | 10 39 | 17 5 | 5 12 | 5 25 | 14 26 | 13 27 | 1 41 |
| S 3 | 22 13 | 5 3 | 0 3 | 22 7 | 1 19 | 18 23 | 2 43 | 2 30 | 0 19 | 4 56 | 1 25 | 18 55 | 1 46 | 17 42 | 0 14 | 16 59 | 0 23 | 10 39 | 17 5 | 5 12 | 5 24 | 14 25 | 13 27 | 1 41 |
| S 4 | 22 5 | 8 49 | 1n 4 | 22 19 | 1 9 | 18 37 | 2 40 | 2 12 | 0 18 | 4 56 | 1 25 | 18 56 | 1 46 | 17 42 | 0 13 | 17 0 | 0 23 | 10 38 | 17 4 | 5 12 | 5 23 | 14 23 | 13 26 | 1 41 |
| M 5 | 21 55 | 12 18 | 2 9 | 22 31 | 1 0 | 18 51 | 2 38 | 1 54 | 0 17 | 4 57 | 1 25 | 18 57 | 1 46 | 17 42 | 0 13 | 17 0 | 0 23 | 10 38 | 17 4 | 5 12 | 5 22 | 14 22 | 13 26 | 1 41 |
| T 6 | 21 46 | 15 15 | 3 9 | 22 42 | 0 50 | 19 5 | 2 36 | 1 36 | 0 16 | 4 57 | 1 26 | 18 58 | 1 46 | 17 42 | 0 13 | 17 1 | 0 23 | 10 37 | 17 4 | 5 11 | 5 21 | 14 21 | 13 26 | 1 41 |
| W 7 | 21 36 | 17 25 | 4 0 | 22 52 | 0 41 | 19 19 | 2 33 | 1 18 | 0 15 | 4 58 | 1 26 | 18 59 | 1 46 | 17 41 | 0 13 | 17 1 | 0 23 | 10 37 | 17 3 | 5 8 | 5 19 | 14 20 | 13 26 | 1 41 |
| T 8 | 21 25 | 18 34 | 4 38 | 23 1 | 0 32 | 19 32 | 2 31 | 1 1 | 0 14 | 4 59 | 1 26 | 19 0 | 1 46 | 17 41 | 0 13 | 17 2 | 0 23 | 10 36 | 17 3 | 5 5 | 5 18 | 14 18 | 13 26 | 1 40 |
| F 9 | 21 15 | 18 29 | 4 58 | 23 9 | 0 23 | 19 44 | 2 28 | 0 43 | 0 13 | 5 0 | 1 26 | 19 0 | 1 46 | 17 41 | 0 13 | 17 2 | 0 23 | 10 36 | 17 3 | 5 1 | 5 17 | 14 17 | 13 26 | 1 40 |
| S 10 | 21 3 | 17 5 | 4 58 | 23 17 | 0 14 | 19 56 | 2 25 | 0 25 | 0 12 | 5 1 | 1 27 | 19 1 | 1 46 | 17 41 | 0 13 | 17 3 | 0 23 | 10 35 | 17 2 | 4 57 | 5 16 | 14 16 | 13 26 | 1 40 |
| S 11 | 20 52 | 14 27 | 4 36 | 23 24 | 0 6 | 20 8 | 2 23 | 0 7 | 0 11 | 5 2 | 1 27 | 19 2 | 1 46 | 17 41 | 0 13 | 17 3 | 0 23 | 10 35 | 17 2 | 4 52 | 5 14 | 14 14 | 13 26 | 1 40 |
| M12 | 20 40 | 10 51 | 3 55 | 23 29 | 0s 2 | 20 19 | 2 20 | 0n10 | 0 10 | 5 3 | 1 27 | 19 3 | 1 46 | 17 41 | 0 13 | 17 4 | 0 23 | 10 34 | 17 1 | 4 49 | 5 13 | 14 13 | 13 26 | 1 40 |
| T 13 | 20 27 | 6 35 | 2 58 | 23 34 | 0 11 | 20 29 | 2 17 | 0 28 | 0 9 | 5 5 | 1 28 | 19 4 | 1 46 | 17 40 | 0 13 | 17 4 | 0 23 | 10 34 | 17 1 | 4 46 | 5 12 | 14 12 | 13 26 | 1 40 |
| W14 | 20 15 | 2 2 | 1 50 | 23 37 | 0 19 | 20 39 | 2 14 | 0 46 | 0 8 | 5 6 | 1 28 | 19 5 | 1 46 | 17 40 | 0 13 | 17 5 | 0 23 | 10 33 | 17 1 | 4 44 | 5 11 | 14 11 | 13 26 | 1 40 |
| T 15 | 20 1 | 2n30 | 0 38 | 23 40 | 0 26 | 20 49 | 2 11 | 1 3 | 0 7 | 5 7 | 1 28 | 19 6 | 1 47 | 17 40 | 0 13 | 17 5 | 0 23 | 10 33 | 17 0 | 4 44 | 5 9 | 14 9 | 13 26 | 1 40 |
| F 16 | 19 48 | 6 45 | 0s35 | 23 41 | 0 34 | 20 58 | 2 8 | 1 21 | 0 6 | 5 9 | 1 28 | 19 7 | 1 47 | 17 40 | 0 13 | 17 6 | 0 23 | 10 32 | 17 0 | 4 44 | 5 8 | 14 8 | 13 26 | 1 40 |
| S 17 | 19 34 | 10 32 | 1 44 | 23 41 | 0 41 | 21 7 | 2 5 | 1 39 | 0 5 | 5 10 | 1 29 | 19 7 | 1 47 | 17 40 | 0 13 | 17 6 | 0 23 | 10 32 | 17 0 | 4 44 | 5 7 | 14 7 | 13 26 | 1 40 |
| S 18 | 19 20 | 13 42 | 2 45 | 23 40 | 0 48 | 21 15 | 2 2 | 1 56 | 0 4 | 5 12 | 1 29 | 19 8 | 1 47 | 17 40 | 0 13 | 17 7 | 0 23 | 10 31 | 16 59 | 4 44 | 5 6 | 14 5 | 13 26 | 1 40 |
| M19 | 19 5 | 16 8 | 3 37 | 23 37 | 0 55 | 21 22 | 1 58 | 2 14 | 0 3 | 5 14 | 1 29 | 19 9 | 1 47 | 17 40 | 0 13 | 17 7 | 0 23 | 10 31 | 16 59 | 4 43 | 5 4 | 14 4 | 13 26 | 1 40 |
| T 20 | 18 50 | 17 46 | 4 17 | 23 33 | 1 2 | 21 29 | 1 55 | 2 31 | 0 2 | 5 15 | 1 29 | 19 10 | 1 47 | 17 40 | 0 13 | 17 8 | 0 23 | 10 30 | 16 59 | 4 41 | 5 3 | 14 3 | 13 26 | 1 40 |
| W21 | 18 35 | 18 33 | 4 45 | 23 28 | 1 8 | 21 35 | 1 52 | 2 49 | 0 1 | 5 17 | 1 30 | 19 10 | 1 47 | 17 40 | 0 13 | 17 8 | 0 23 | 10 30 | 16 58 | 4 38 | 5 2 | 14 1 | 13 27 | 1 40 |
| T 22 | 18 19 | 18 30 | 5 0 | 23 22 | 1 14 | 21 41 | 1 48 | 3 6 | 0 0 | 5 19 | 1 30 | 19 11 | 1 47 | 17 40 | 0 13 | 17 9 | 0 23 | 10 29 | 16 58 | 4 34 | 5 1 | 14 0 | 13 27 | 1 40 |
| F 23 | 18 3 | 17 37 | 5 2 | 23 14 | 1 19 | 21 46 | 1 45 | 3 24 | 0n 1 | 5 21 | 1 30 | 19 12 | 1 47 | 17 40 | 0 13 | 17 9 | 0 23 | 10 29 | 16 58 | 4 29 | 4 59 | 13 59 | 13 27 | 1 40 |
| S 24 | 17 47 | 15 59 | 4 51 | 23 5 | 1 25 | 21 51 | 1 42 | 3 41 | 0 2 | 5 23 | 1 30 | 19 12 | 1 47 | 17 40 | 0 13 | 17 10 | 0 23 | 10 28 | 16 57 | 4 24 | 4 58 | 13 57 | 13 27 | 1 40 |
| S 25 | 17 31 | 13 40 | 4 26 | 22 54 | 1 30 | 21 55 | 1 38 | 3 58 | 0 3 | 5 25 | 1 31 | 19 13 | 1 48 | 17 40 | 0 13 | 17 10 | 0 23 | 10 27 | 16 57 | 4 19 | 4 57 | 13 56 | 13 28 | 1 40 |
| M26 | 17 14 | 10 48 | 3 51 | 22 42 | 1 35 | 21 58 | 1 35 | 4 15 | 0 3 | 5 27 | 1 31 | 19 14 | 1 48 | 17 40 | 0 13 | 17 11 | 0 23 | 10 27 | 16 57 | 4 15 | 4 56 | 13 55 | 13 28 | 1 40 |
| T 27 | 16 57 | 7 29 | 3 5 | 22 29 | 1 39 | 22 1 | 1 31 | 4 33 | 0 4 | 5 29 | 1 31 | 19 14 | 1 48 | 17 40 | 0 13 | 17 11 | 0 23 | 10 26 | 16 56 | 4 12 | 4 54 | 13 53 | 13 28 | 1 40 |
| W28 | 16 39 | 3 51 | 2 11 | 22 14 | 1 44 | 22 3 | 1 28 | 4 50 | 0 5 | 5 31 | 1 31 | 19 15 | 1 48 | 17 40 | 0 13 | 17 12 | 0 23 | 10 26 | 16 56 | 4 9 | 4 53 | 13 52 | 13 28 | 1 40 |
| T 29 | 16 21 | 0 2 | 1 10 | 21 58 | 1 47 | 22 5 | 1 24 | 5 7 | 0 6 | 5 34 | 1 32 | 19 16 | 1 48 | 17 41 | 0 13 | 17 12 | 0 23 | 10 25 | 16 56 | 4 8 | 4 52 | 13 51 | 13 29 | 1 40 |
| F 30 | 16 3 | 3s49 | 0 5 | 21 40 | 1 51 | 22 6 | 1 21 | 5 24 | 0 7 | 5 36 | 1 32 | 19 16 | 1 48 | 17 41 | 0 13 | 17 13 | 0 23 | 10 24 | 16 55 | 4 8 | 4 51 | 13 50 | 13 29 | 1 40 |
| S 31 | 15s45 | 7s35 | 1n 1 | 21s21 | 1s54 | 22s 6 | 1n17 | 5n41 | 0n 8 | 5n38 | 1n32 | 19s17 | 1n48 | 17n41 | 0s13 | 17n13 | 0n23 | 10s24 | 16s55 | 4s 8 | 4s49 | 13n48 | 13n30 | 1s40 |

Julian Day Number = 2123928.5, Delta T = 17m33s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'07, Lahiri = 11°21'08 Julian Calendar 1 Jan. 1103 == Greg. Calendar 8 Jan. 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## FEBRUARY 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 6 52 | 18♒13'05 | 4♏22 | 5♒ 0 | 7♑52 | 14♈44 | 19°R17 | 4♐ 4 | 20♉15 | 13°R29 | 13♈ 4 | 10♎25 | 12♎ 6 | 8♌27 | 10♉38 | S 1 |
| M 2 | 9 10 48 | 19°13'31 | 17°20 | 6°39 | 9° 4 | 15°26 | 19♍11 | 4° 7 | 20°15 | 13♌27 | 13° 5 | 10°R25 | 12° 3 | 8°34 | 10°39 | M 2 |
| T 3 | 9 14 45 | 20°13'56 | 0♐42 | 8°19 | 10°15 | 16° 7 | 19° 5 | 4°11 | 20°16 | 13°26 | 13° 5 | 10°25 | 11°59 | 8°40 | 10°40 | T 3 |
| W 4 | 9 18 41 | 21°14'20 | 14°31 | 10° 0 | 11°27 | 16°49 | 18°59 | 4°14 | 20°17 | 13°24 | 13° 6 | 10°22 | 11°56 | 8°47 | 10°42 | W 4 |
| T 5 | 9 22 38 | 22°14'42 | 28°47 | 11°42 | 12°38 | 17°30 | 18°53 | 4°17 | 20°17 | 13°22 | 13° 7 | 10°18 | 11°53 | 8°54 | 10°43 | T 5 |
| F 6 | 9 26 34 | 23°15'03 | 13♑29 | 13°25 | 13°50 | 18°12 | 18°46 | 4°20 | 20°18 | 13°21 | 13° 8 | 10°12 | 11°50 | 9° 0 | 10°45 | F 6 |
| S 7 | 9 30 31 | 24°15'22 | 28°32 | 15° 9 | 15° 2 | 18°53 | 18°40 | 4°23 | 20°19 | 13°19 | 13° 9 | 10° 5 | 11°47 | 9° 7 | 10°46 | S 7 |
| S 8 | 9 34 28 | 25°15'39 | 13♒46 | 16°53 | 16°13 | 19°35 | 18°33 | 4°26 | 20°20 | 13°18 | 13°10 | 9°57 | 11°44 | 9°14 | 10°48 | S 8 |
| M 9 | 9 38 24 | 26°15'55 | 29° 1 | 18°39 | 17°25 | 20°16 | 18°27 | 4°28 | 20°21 | 13°16 | 13°11 | 9°51 | 11°40 | 9°21 | 10°50 | M 9 |
| T 10 | 9 42 21 | 27°16'08 | 14♓ 6 | 20°26 | 18°37 | 20°58 | 18°20 | 4°31 | 20°22 | 13°14 | 13°12 | 9°47 | 11°37 | 9°27 | 10°51 | T 10 |
| W11 | 9 46 17 | 28°16'20 | 28°53 | 22°14 | 19°49 | 21°39 | 18°13 | 4°34 | 20°23 | 13°13 | 13°13 | 9°45 | 11°34 | 9°34 | 10°53 | W11 |
| T 12 | 9 50 14 | 29°16'30 | 13♈15 | 24° 3 | 21° 1 | 22°20 | 18° 6 | 4°36 | 20°24 | 13°11 | 13°14 | 9°D44 | 11°31 | 9°41 | 10°55 | T 12 |
| F 13 | 9 54 10 | 0♓16'37 | 27°10 | 25°53 | 22°13 | 23° 1 | 17°59 | 4°39 | 20°25 | 13° 9 | 13°15 | 9°45 | 11°28 | 9°47 | 10°57 | F 13 |
| S 14 | 9 58 7 | 1°16'43 | 10♉36 | 27°44 | 23°25 | 23°43 | 17°52 | 4°41 | 20°26 | 13° 8 | 13°16 | 9°47 | 11°24 | 9°54 | 10°59 | S 14 |
| S 15 | 10 2 3 | 2°16'46 | 23°37 | 29°36 | 24°37 | 24°24 | 17°45 | 4°43 | 20°27 | 13° 6 | 13°18 | 9°48 | 11°21 | 10° 1 | 11° 1 | S 15 |
| M16 | 10 6 0 | 3°16'47 | 6♊15 | 1♓29 | 25°49 | 25° 5 | 17°37 | 4°45 | 20°29 | 13° 5 | 13°19 | 9°R48 | 11°18 | 10° 8 | 11° 3 | M16 |
| T 17 | 10 9 57 | 4°16'46 | 18°36 | 3°23 | 27° 1 | 25°46 | 17°30 | 4°47 | 20°30 | 13° 3 | 13°20 | 9°47 | 11°15 | 10°14 | 11° 6 | T 17 |
| W18 | 10 13 53 | 5°16'43 | 0♋44 | 5°19 | 28°13 | 26°27 | 17°23 | 4°49 | 20°31 | 13° 2 | 13°21 | 9°44 | 11°12 | 10°21 | 11° 8 | W18 |
| T 19 | 10 17 50 | 6°16'37 | 12°42 | 7°14 | 29°25 | 27° 9 | 17°15 | 4°51 | 20°33 | 13° 0 | 13°22 | 9°40 | 11° 9 | 10°28 | 11°10 | T 19 |
| F 20 | 10 21 46 | 7°16'30 | 24°35 | 9°11 | 0♒37 | 27°50 | 17° 8 | 4°53 | 20°34 | 12°59 | 13°23 | 9°35 | 11° 5 | 10°34 | 11°12 | F 20 |
| S 21 | 10 25 43 | 8°16'20 | 6♌26 | 11° 9 | 1°50 | 28°31 | 17° 0 | 4°54 | 20°36 | 12°57 | 13°24 | 9°29 | 11° 2 | 10°41 | 11°15 | S 21 |
| S 22 | 10 29 39 | 9°16'08 | 18°17 | 13° 7 | 3° 2 | 29°12 | 16°52 | 4°56 | 20°37 | 12°56 | 13°26 | 9°23 | 10°59 | 10°48 | 11°17 | S 22 |
| M23 | 10 33 36 | 10°15'53 | 0♍11 | 15° 6 | 4°14 | 29°53 | 16°45 | 4°57 | 20°39 | 12°54 | 13°27 | 9°18 | 10°56 | 10°54 | 11°20 | M23 |
| T 24 | 10 37 32 | 11°15'37 | 12°10 | 17° 5 | 5°26 | 0♉34 | 16°37 | 4°58 | 20°41 | 12°53 | 13°28 | 9°14 | 10°53 | 11° 1 | 11°22 | T 24 |
| W25 | 10 41 29 | 12°15'19 | 24°15 | 19° 4 | 6°39 | 1°15 | 16°29 | 5° 0 | 20°42 | 12°51 | 13°29 | 9°12 | 10°50 | 11° 8 | 11°25 | W25 |
| T 26 | 10 45 26 | 13°14'58 | 6♎27 | 21° 3 | 7°51 | 1°55 | 16°22 | 5° 1 | 20°44 | 12°50 | 13°30 | 9°D11 | 10°46 | 11°15 | 11°28 | T 26 |
| F 27 | 10 49 22 | 14°14'36 | 18°49 | 23° 2 | 9° 3 | 2°36 | 16°14 | 5° 2 | 20°46 | 12°48 | 13°32 | 9°11 | 10°43 | 11°21 | 11°30 | F 27 |
| S 28 | 10 53 19 | 15♓14'12 | 1♏23 | 25♓ 0 | 10♒16 | 3♉17 | 16♍ 6 | 5♐ 3 | 20♉48 | 12♌47 | 13♈33 | 9♎13 | 10♎40 | 11♌28 | 11♉33 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s26 | 11s 4 | 2n 5 | 21s 0 | 1s57 | 22s 6 | 1n13 | 5n58 | 0n 9 | 5n41 | 1n32 | 19s17 | 1n48 | 17n41 | 0s13 | 17n14 | 0n23 | 10s23 | 16s55 | 4s 8 | 4s48 | 13n47 | 13n30 | 1s40 |
| M 2 | 15 8 | 14 7 | 3 6 | 20 37 | 2 0 | 22 5 | 1 10 | 6 15 | 0 9 | 5 43 | 1 32 | 19 18 | 1 48 | 17 41 | 0 13 | 17 14 | 0 23 | 10 23 | 16 55 | 4 9 | 4 47 | 13 46 | 13 30 | 1 40 |
| T 3 | 14 49 | 16 31 | 3 57 | 20 14 | 2 2 | 22 3 | 1 6 | 6 32 | 0 10 | 5 46 | 1 33 | 19 18 | 1 49 | 17 41 | 0 13 | 17 15 | 0 23 | 10 22 | 16 54 | 4 9 | 4 46 | 13 44 | 13 31 | 1 40 |
| W 4 | 14 29 | 18 3 | 4 37 | 19 48 | 2 3 | 22 1 | 1 3 | 6 49 | 0 11 | 5 48 | 1 33 | 19 19 | 1 49 | 17 42 | 0 13 | 17 15 | 0 23 | 10 21 | 16 54 | 4 8 | 4 44 | 13 43 | 13 31 | 1 40 |
| T 5 | 14 10 | 18 31 | 5 2 | 19 21 | 2 5 | 21 58 | 0 59 | 7 5 | 0 12 | 5 51 | 1 33 | 19 19 | 1 49 | 17 42 | 0 13 | 17 16 | 0 23 | 10 21 | 16 54 | 4 6 | 4 43 | 13 42 | 13 32 | 1 40 |
| F 6 | 13 50 | 17 46 | 5 7 | 18 53 | 2 6 | 21 55 | 0 55 | 7 22 | 0 13 | 5 54 | 1 33 | 19 20 | 1 49 | 17 42 | 0 13 | 17 16 | 0 23 | 10 20 | 16 53 | 4 3 | 4 42 | 13 40 | 13 32 | 1 40 |
| S 7 | 13 30 | 15 47 | 4 52 | 18 23 | 2 6 | 21 51 | 0 52 | 7 38 | 0 13 | 5 56 | 1 33 | 19 20 | 1 49 | 17 42 | 0 13 | 17 16 | 0 23 | 10 20 | 16 53 | 4 1 | 4 41 | 13 39 | 13 33 | 1 40 |
| S 8 | 13 10 | 12 41 | 4 17 | 17 51 | 2 6 | 21 46 | 0 48 | 7 55 | 0 14 | 5 59 | 1 34 | 19 20 | 1 49 | 17 42 | 0 13 | 17 17 | 0 23 | 10 19 | 16 53 | 3 58 | 4 39 | 13 37 | 13 33 | 1 40 |
| M 9 | 12 49 | 8 43 | 3 22 | 17 18 | 2 6 | 21 41 | 0 45 | 8 11 | 0 15 | 6 2 | 1 34 | 19 21 | 1 49 | 17 43 | 0 13 | 17 17 | 0 23 | 10 18 | 16 53 | 3 55 | 4 38 | 13 36 | 13 34 | 1 40 |
| T 10 | 12 29 | 4 13 | 2 14 | 16 43 | 2 5 | 21 35 | 0 41 | 8 28 | 0 16 | 6 5 | 1 34 | 19 21 | 1 49 | 17 43 | 0 13 | 17 18 | 0 23 | 10 18 | 16 52 | 3 54 | 4 37 | 13 35 | 13 34 | 1 40 |
| W11 | 12 8 | 0n27 | 0 59 | 16 7 | 2 4 | 21 28 | 0 37 | 8 44 | 0 17 | 6 7 | 1 34 | 19 21 | 1 50 | 17 43 | 0 13 | 17 18 | 0 23 | 10 17 | 16 52 | 3 53 | 4 36 | 13 33 | 13 35 | 1 40 |
| T 12 | 11 47 | 4 58 | 0s19 | 15 29 | 2 2 | 21 21 | 0 34 | 9 0 | 0 17 | 6 10 | 1 34 | 19 22 | 1 50 | 17 44 | 0 13 | 17 19 | 0 23 | 10 16 | 16 52 | 3 53 | 4 34 | 13 32 | 13 36 | 1 40 |
| F 13 | 11 26 | 9 4 | 1 33 | 14 50 | 2 0 | 21 13 | 0 30 | 9 16 | 0 18 | 6 13 | 1 34 | 19 22 | 1 50 | 17 44 | 0 13 | 17 19 | 0 23 | 10 16 | 16 52 | 3 53 | 4 33 | 13 31 | 13 36 | 1 40 |
| S 14 | 11 4 | 12 32 | 2 40 | 14 9 | 1 57 | 21 4 | 0 27 | 9 32 | 0 19 | 6 16 | 1 35 | 19 22 | 1 50 | 17 44 | 0 13 | 17 20 | 0 23 | 10 15 | 16 51 | 3 53 | 4 32 | 13 29 | 13 37 | 1 40 |
| S 15 | 10 43 | 15 17 | 3 36 | 13 26 | 1 54 | 20 55 | 0 23 | 9 48 | 0 19 | 6 19 | 1 35 | 19 23 | 1 50 | 17 45 | 0 13 | 17 20 | 0 23 | 10 15 | 16 51 | 3 54 | 4 31 | 13 28 | 13 37 | 1 40 |
| M16 | 10 21 | 17 11 | 4 20 | 12 42 | 1 50 | 20 46 | 0 20 | 10 4 | 0 20 | 6 22 | 1 35 | 19 23 | 1 50 | 17 45 | 0 13 | 17 21 | 0 23 | 10 14 | 16 51 | 3 54 | 4 29 | 13 27 | 13 38 | 1 40 |
| T 17 | 9 59 | 18 14 | 4 51 | 11 57 | 1 45 | 20 35 | 0 16 | 10 20 | 0 21 | 6 25 | 1 35 | 19 23 | 1 50 | 17 45 | 0 13 | 17 21 | 0 23 | 10 13 | 16 51 | 3 54 | 4 28 | 13 25 | 13 39 | 1 40 |
| W18 | 9 37 | 18 25 | 5 8 | 11 10 | 1 41 | 20 25 | 0 13 | 10 35 | 0 22 | 6 28 | 1 35 | 19 23 | 1 50 | 17 46 | 0 13 | 17 22 | 0 23 | 10 13 | 16 50 | 3 53 | 4 27 | 13 24 | 13 40 | 1 40 |
| T 19 | 9 15 | 17 47 | 5 11 | 10 22 | 1 35 | 20 13 | 0 9 | 10 51 | 0 22 | 6 31 | 1 35 | 19 24 | 1 51 | 17 46 | 0 13 | 17 22 | 0 23 | 10 12 | 16 50 | 3 51 | 4 26 | 13 23 | 13 40 | 1 40 |
| F 20 | 8 53 | 16 22 | 5 1 | 9 32 | 1 29 | 20 1 | 0 6 | 11 6 | 0 23 | 6 34 | 1 35 | 19 24 | 1 51 | 17 47 | 0 13 | 17 22 | 0 23 | 10 11 | 16 50 | 3 49 | 4 25 | 13 21 | 13 41 | 1 40 |
| S 21 | 8 30 | 14 16 | 4 38 | 8 41 | 1 22 | 19 48 | 0 2 | 11 22 | 0 24 | 6 37 | 1 35 | 19 24 | 1 51 | 17 47 | 0 13 | 17 23 | 0 23 | 10 11 | 16 50 | 3 46 | 4 23 | 13 20 | 13 42 | 1 40 |
| S 22 | 8 8 | 11 34 | 4 3 | 7 49 | 1 15 | 19 35 | 0s 1 | 11 37 | 0 24 | 6 40 | 1 35 | 19 24 | 1 51 | 17 47 | 0 13 | 17 23 | 0 23 | 10 10 | 16 50 | 3 44 | 4 22 | 13 18 | 13 42 | 1 40 |
| M23 | 7 45 | 8 23 | 3 18 | 6 56 | 1 7 | 19 22 | 0 4 | 11 52 | 0 25 | 6 43 | 1 36 | 19 24 | 1 51 | 17 48 | 0 12 | 17 24 | 0 23 | 10 9 | 16 49 | 3 42 | 4 21 | 13 17 | 13 43 | 1 40 |
| T 24 | 7 23 | 4 50 | 2 23 | 6 2 | 0 59 | 19 7 | 0 7 | 12 7 | 0 26 | 6 46 | 1 36 | 19 24 | 1 51 | 17 48 | 0 12 | 17 24 | 0 24 | 10 9 | 16 49 | 3 41 | 4 20 | 13 16 | 13 44 | 1 40 |
| W25 | 7 0 | 1 3 | 1 21 | 5 7 | 0 50 | 18 52 | 0 11 | 12 22 | 0 26 | 6 49 | 1 36 | 19 24 | 1 51 | 17 49 | 0 12 | 17 25 | 0 24 | 10 8 | 16 49 | 3 40 | 4 18 | 13 14 | 13 45 | 1 40 |
| T 26 | 6 37 | 2s48 | 0 15 | 4 11 | 0 40 | 18 37 | 0 14 | 12 37 | 0 27 | 6 53 | 1 36 | 19 24 | 1 52 | 17 49 | 0 12 | 17 25 | 0 24 | 10 8 | 16 49 | 3 39 | 4 17 | 13 13 | 13 46 | 1 40 |
| F 27 | 6 14 | 6 36 | 0n53 | 3 15 | 0 30 | 18 21 | 0 17 | 12 52 | 0 28 | 6 56 | 1 36 | 19 24 | 1 52 | 17 50 | 0 12 | 17 25 | 0 24 | 10 7 | 16 49 | 3 40 | 4 16 | 13 12 | 13 47 | 1 40 |
| S 28 | 5s51 | 10s 9 | 1n59 | 2s18 | 0s20 | 18s 5 | 0s20 | 13n 7 | 0n28 | 6n59 | 1n36 | 19s24 | 1n52 | 17n50 | 0s12 | 17n26 | 0n24 | 10s 6 | 16s48 | 3s40 | 4s14 | 13n10 | 13n47 | 1s40 |

Julian Day Number = 2123959.5, Delta T = 17m32s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'12, Lahiri = 11°21'12 Julian Calendar 1 Feb. 1103 == Greg. Calendar 8 Feb. 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## MARCH 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 57 15 | 16♓13'46 | 14♏11 | 26♓57 | 11♒28 | 3♉58 | 15°R58 | 5♐ 3 | 20♉50 | 12°R46 | 13♈34 | 9♎14 | 10♎37 | 11♌35 | 11♉36 | S 1 |
| M 2 | 11 1 12 | 17°13'18 | 27°15 | 28°53 | 12°41 | 4°39 | 15♍50 | 5° 4 | 20°52 | 12♌44 | 13°35 | 9°16 | 10°34 | 11°41 | 11°39 | M 2 |
| T 3 | 11 5 8 | 18°12'48 | 10♐38 | 0♈48 | 13°53 | 5°19 | 15°43 | 5° 5 | 20°53 | 12°43 | 13°37 | 9°17 | 10°30 | 11°48 | 11°42 | T 3 |
| W 4 | 11 9 5 | 19°12'17 | 24°21 | 2°40 | 15° 6 | 6° 0 | 15°35 | 5° 5 | 20°56 | 12°42 | 13°38 | 9°R17 | 10°27 | 11°55 | 11°45 | W 4 |
| T 5 | 11 13 1 | 20°11'44 | 8♑25 | 4°30 | 16°18 | 6°41 | 15°27 | 5° 6 | 20°58 | 12°41 | 13°39 | 9°16 | 10°24 | 12° 2 | 11°48 | T 5 |
| F 6 | 11 16 58 | 21°11'09 | 22°49 | 6°17 | 17°31 | 7°22 | 15°19 | 5° 6 | 21° 0 | 12°39 | 13°41 | 9°14 | 10°21 | 12° 8 | 11°51 | F 6 |
| S 7 | 11 20 54 | 22°10'33 | 7♒30 | 8° 0 | 18°44 | 8° 2 | 15°12 | 5° 6 | 21° 2 | 12°38 | 13°42 | 9°12 | 10°18 | 12°15 | 11°54 | S 7 |
| S 8 | 11 24 51 | 23° 9'54 | 22°22 | 9°40 | 19°56 | 8°43 | 15° 4 | 5° 6 | 21° 4 | 12°37 | 13°43 | 9°10 | 10°15 | 12°22 | 11°57 | S 8 |
| M 9 | 11 28 48 | 24° 9'13 | 7♓18 | 11°15 | 21° 9 | 9°23 | 14°57 | 5°R 6 | 21° 6 | 12°36 | 13°45 | 9° 8 | 10°11 | 12°28 | 12° 0 | M 9 |
| T 10 | 11 32 44 | 25° 8'31 | 22°10 | 12°46 | 22°21 | 10° 4 | 14°49 | 5° 6 | 21° 8 | 12°35 | 13°46 | 9° 7 | 10° 8 | 12°35 | 12° 3 | T 10 |
| W11 | 11 36 41 | 26° 7'46 | 6♈50 | 14°12 | 23°34 | 10°44 | 14°41 | 5° 6 | 21°11 | 12°33 | 13°47 | 9°D 7 | 10° 5 | 12°42 | 12° 7 | W11 |
| T 12 | 11 40 37 | 27° 6'59 | 21°11 | 15°33 | 24°47 | 11°25 | 14°34 | 5° 6 | 21°13 | 12°32 | 13°49 | 9° 7 | 10° 2 | 12°48 | 12°10 | T 12 |
| F 13 | 11 44 34 | 28° 6'10 | 5♉ 9 | 16°49 | 25°59 | 12° 5 | 14°26 | 5° 5 | 21°16 | 12°31 | 13°50 | 9° 7 | 9°59 | 12°55 | 12°13 | F 13 |
| S 14 | 11 48 30 | 29° 5'19 | 18°41 | 17°58 | 27°12 | 12°46 | 14°19 | 5° 5 | 21°18 | 12°30 | 13°51 | 9° 8 | 9°55 | 13° 2 | 12°17 | S 14 |
| S 15 | 11 52 27 | 0♈ 4'25 | 1♊49 | 19° 1 | 28°25 | 13°26 | 14°12 | 5° 4 | 21°20 | 12°29 | 13°53 | 9° 9 | 9°52 | 13° 9 | 12°20 | S 15 |
| M16 | 11 56 23 | 1° 3'30 | 14°34 | 19°58 | 29°38 | 14° 7 | 14° 5 | 5° 4 | 21°23 | 12°28 | 13°54 | 9°10 | 9°49 | 13°15 | 12°23 | M16 |
| T 17 | 12 0 20 | 2° 2'31 | 26°59 | 20°49 | 0♓50 | 14°47 | 13°58 | 5° 3 | 21°25 | 12°27 | 13°55 | 9°R10 | 9°46 | 13°22 | 12°27 | T 17 |
| W18 | 12 4 17 | 3° 1'31 | 9♋ 9 | 21°33 | 2° 3 | 15°27 | 13°51 | 5° 2 | 21°28 | 12°26 | 13°57 | 9°10 | 9°43 | 13°29 | 12°31 | W18 |
| T 19 | 12 8 13 | 4° 0'28 | 21° 8 | 22°10 | 3°16 | 16° 7 | 13°44 | 5° 1 | 21°31 | 12°25 | 13°58 | 9°10 | 9°40 | 13°35 | 12°34 | T 19 |
| F 20 | 12 12 10 | 4°59'23 | 3♌ 1 | 22°41 | 4°29 | 16°48 | 13°37 | 5° 0 | 21°33 | 12°24 | 14° 0 | 9°10 | 9°36 | 13°42 | 12°38 | F 20 |
| S 21 | 12 16 6 | 5°58'15 | 14°52 | 23° 5 | 5°41 | 17°28 | 13°30 | 4°59 | 21°36 | 12°23 | 14° 1 | 9° 9 | 9°33 | 13°49 | 12°41 | S 21 |
| S 22 | 12 20 3 | 6°57'05 | 26°44 | 23°22 | 6°54 | 18° 8 | 13°23 | 4°58 | 21°39 | 12°23 | 14° 2 | 9° 9 | 9°30 | 13°55 | 12°45 | S 22 |
| M23 | 12 23 59 | 7°55'53 | 8♍42 | 23°33 | 8° 7 | 18°48 | 13°17 | 4°56 | 21°41 | 12°22 | 14° 4 | 9° 9 | 9°27 | 14° 2 | 12°49 | M23 |
| T 24 | 12 27 56 | 8°54'39 | 20°47 | 23°R36 | 9°20 | 19°28 | 13°10 | 4°55 | 21°44 | 12°21 | 14° 5 | 9°D 8 | 9°24 | 14° 9 | 12°52 | T 24 |
| W25 | 12 31 52 | 9°53'23 | 3♎ 3 | 23°34 | 10°33 | 20° 9 | 13° 4 | 4°53 | 21°47 | 12°20 | 14° 6 | 9°R 8 | 9°21 | 14°16 | 12°56 | W25 |
| T 26 | 12 35 49 | 10°52'04 | 15°31 | 23°26 | 11°45 | 20°49 | 12°58 | 4°52 | 21°50 | 12°20 | 14° 8 | 9° 8 | 9°17 | 14°22 | 13° 0 | T 26 |
| F 27 | 12 39 45 | 11°50'44 | 28°11 | 23°11 | 12°58 | 21°29 | 12°52 | 4°50 | 21°53 | 12°19 | 14° 9 | 9° 8 | 9°14 | 14°29 | 13° 4 | F 27 |
| S 28 | 12 43 42 | 12°49'22 | 11♏ 5 | 22°51 | 14°11 | 22° 9 | 12°46 | 4°48 | 21°55 | 12°18 | 14°11 | 9° 8 | 9°11 | 14°36 | 13° 8 | S 28 |
| S 29 | 12 47 39 | 13°47'57 | 24°12 | 22°27 | 15°24 | 22°49 | 12°40 | 4°46 | 21°58 | 12°18 | 14°12 | 9° 8 | 9° 8 | 14°42 | 13°12 | S 29 |
| M30 | 12 51 35 | 14°46'32 | 7♐34 | 21°58 | 16°37 | 23°29 | 12°34 | 4°44 | 22° 1 | 12°17 | 14°13 | 9° 7 | 9° 5 | 14°49 | 13°15 | M30 |
| T 31 | 12 55 32 | 15♈45'04 | 21♐ 9 | 21♈25 | 17♓50 | 24♉ 8 | 12♍29 | 4♐42 | 22♉ 4 | 12♌16 | 14♈15 | 9♎ 6 | 9♎ 1 | 14♌56 | 13♉19 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s27 | 13s17 | 3n 1 | 1s21 | 0s 9 | 17s48 | 0s23 | 13n21 | 0n29 | 7n 2 | 1n36 | 19s24 | 1n52 | 17n51 | 0s12 | 17n26 | 0n24 | 10s 6 | 16s48 | 3s41 | 4s13 | 13n 9 | 13n48 | 1s40 |
| M 2 | 5 4 | 15 50 | 3 55 | 0 24 | 0n 3 | 17 30 | 0 26 | 13 36 | 0 29 | 7 5 | 1 36 | 19 24 | 1 52 | 17 51 | 0 12 | 17 27 | 0 24 | 10 5 | 16 48 | 3 41 | 4 12 | 13 7 | 13 49 | 1 40 |
| T 3 | 4 41 | 17 34 | 4 37 | 0n32 | 0 14 | 17 12 | 0 29 | 13 50 | 0 30 | 7 8 | 1 36 | 19 24 | 1 52 | 17 52 | 0 12 | 17 27 | 0 24 | 10 4 | 16 48 | 3 42 | 4 11 | 13 6 | 13 50 | 1 40 |
| W 4 | 4 18 | 18 21 | 5 5 | 1 28 | 0 26 | 16 54 | 0 32 | 14 4 | 0 31 | 7 11 | 1 36 | 19 24 | 1 52 | 17 52 | 0 12 | 17 27 | 0 24 | 10 4 | 16 48 | 3 42 | 4 9 | 13 5 | 13 51 | 1 40 |
| T 5 | 3 54 | 18 2 | 5 16 | 2 23 | 0 39 | 16 35 | 0 35 | 14 18 | 0 31 | 7 14 | 1 36 | 19 24 | 1 52 | 17 53 | 0 12 | 17 28 | 0 24 | 10 3 | 16 48 | 3 41 | 4 8 | 13 3 | 13 52 | 1 40 |
| F 6 | 3 31 | 16 34 | 5 7 | 3 17 | 0 51 | 16 15 | 0 38 | 14 32 | 0 32 | 7 17 | 1 36 | 19 24 | 1 53 | 17 54 | 0 12 | 17 28 | 0 24 | 10 2 | 16 47 | 3 41 | 4 7 | 13 2 | 13 53 | 1 40 |
| S 7 | 3 7 | 14 0 | 4 38 | 4 9 | 1 3 | 15 55 | 0 40 | 14 46 | 0 33 | 7 20 | 1 36 | 19 24 | 1 53 | 17 54 | 0 12 | 17 28 | 0 24 | 10 2 | 16 47 | 3 40 | 4 6 | 13 1 | 13 54 | 1 40 |
| S 8 | 2 44 | 10 29 | 3 51 | 5 0 | 1 16 | 15 35 | 0 43 | 15 0 | 0 33 | 7 23 | 1 36 | 19 24 | 1 53 | 17 55 | 0 12 | 17 29 | 0 24 | 10 1 | 16 47 | 3 39 | 4 4 | 12 59 | 13 55 | 1 40 |
| M 9 | 2 20 | 6 17 | 2 47 | 5 49 | 1 28 | 15 14 | 0 46 | 15 13 | 0 34 | 7 26 | 1 36 | 19 24 | 1 53 | 17 55 | 0 12 | 17 29 | 0 24 | 10 1 | 16 47 | 3 38 | 4 3 | 12 58 | 13 56 | 1 40 |
| T 10 | 1 56 | 1 42 | 1 32 | 6 36 | 1 40 | 14 53 | 0 48 | 15 27 | 0 34 | 7 29 | 1 36 | 19 24 | 1 53 | 17 56 | 0 12 | 17 29 | 0 24 | 10 0 | 16 47 | 3 38 | 4 2 | 12 56 | 13 57 | 1 40 |
| W11 | 1 33 | 2n55 | 0 13 | 7 20 | 1 52 | 14 32 | 0 51 | 15 40 | 0 35 | 7 32 | 1 36 | 19 24 | 1 53 | 17 57 | 0 12 | 17 30 | 0 24 | 9 59 | 16 47 | 3 38 | 4 1 | 12 55 | 13 58 | 1 40 |
| T 12 | 1 9 | 7 17 | 1s 6 | 8 2 | 2 3 | 14 10 | 0 53 | 15 53 | 0 35 | 7 35 | 1 36 | 19 24 | 1 53 | 17 57 | 0 12 | 17 30 | 0 24 | 9 59 | 16 47 | 3 38 | 3 59 | 12 54 | 13 59 | 1 40 |
| F 13 | 0 45 | 11 7 | 2 19 | 8 41 | 2 14 | 13 47 | 0 56 | 16 6 | 0 36 | 7 38 | 1 36 | 19 23 | 1 53 | 17 58 | 0 12 | 17 30 | 0 24 | 9 58 | 16 47 | 3 38 | 3 58 | 12 52 | 14 0 | 1 40 |
| S 14 | 0 22 | 14 14 | 3 22 | 9 17 | 2 24 | 13 25 | 0 58 | 16 19 | 0 36 | 7 40 | 1 36 | 19 23 | 1 54 | 17 59 | 0 12 | 17 31 | 0 24 | 9 58 | 16 46 | 3 38 | 3 57 | 12 51 | 14 1 | 1 40 |
| S 15 | 0n 2 | 16 30 | 4 12 | 9 50 | 2 33 | 13 2 | 1 0 | 16 32 | 0 37 | 7 43 | 1 36 | 19 23 | 1 54 | 17 59 | 0 12 | 17 31 | 0 24 | 9 57 | 16 46 | 3 39 | 3 56 | 12 49 | 14 2 | 1 40 |
| M16 | 0 25 | 17 53 | 4 49 | 10 20 | 2 42 | 12 38 | 1 3 | 16 45 | 0 38 | 7 46 | 1 36 | 19 23 | 1 54 | 18 0 | 0 12 | 17 31 | 0 24 | 9 56 | 16 46 | 3 39 | 3 54 | 12 48 | 14 3 | 1 40 |
| T 17 | 0 49 | 18 21 | 5 10 | 10 47 | 2 49 | 12 14 | 1 5 | 16 57 | 0 38 | 7 49 | 1 36 | 19 22 | 1 54 | 18 1 | 0 12 | 17 31 | 0 24 | 9 56 | 16 46 | 3 39 | 3 53 | 12 47 | 14 4 | 1 40 |
| W18 | 1 12 | 17 58 | 5 17 | 11 10 | 2 56 | 11 50 | 1 7 | 17 10 | 0 39 | 7 51 | 1 36 | 19 22 | 1 54 | 18 1 | 0 12 | 17 32 | 0 24 | 9 55 | 16 46 | 3 39 | 3 52 | 12 45 | 14 5 | 1 40 |
| T 19 | 1 36 | 16 46 | 5 10 | 11 29 | 3 2 | 11 26 | 1 9 | 17 22 | 0 39 | 7 54 | 1 36 | 19 22 | 1 54 | 18 2 | 0 12 | 17 32 | 0 24 | 9 55 | 16 46 | 3 39 | 3 51 | 12 44 | 14 6 | 1 40 |
| F 20 | 1 59 | 14 52 | 4 50 | 11 45 | 3 7 | 11 1 | 1 11 | 17 34 | 0 40 | 7 56 | 1 35 | 19 22 | 1 54 | 18 3 | 0 12 | 17 32 | 0 24 | 9 54 | 16 46 | 3 39 | 3 49 | 12 42 | 14 7 | 1 40 |
| S 21 | 2 23 | 12 21 | 4 18 | 11 57 | 3 10 | 10 36 | 1 13 | 17 46 | 0 40 | 7 59 | 1 35 | 19 21 | 1 54 | 18 3 | 0 12 | 17 33 | 0 24 | 9 53 | 16 46 | 3 39 | 3 48 | 12 41 | 14 8 | 1 40 |
| S 22 | 2 46 | 9 18 | 3 34 | 12 6 | 3 12 | 10 10 | 1 15 | 17 58 | 0 41 | 8 1 | 1 35 | 19 21 | 1 55 | 18 4 | 0 12 | 17 33 | 0 24 | 9 53 | 16 46 | 3 38 | 3 47 | 12 39 | 14 9 | 1 40 |
| M23 | 3 10 | 5 52 | 2 41 | 12 10 | 3 13 | 9 45 | 1 16 | 18 9 | 0 41 | 8 4 | 1 35 | 19 21 | 1 55 | 18 5 | 0 12 | 17 33 | 0 24 | 9 52 | 16 46 | 3 38 | 3 46 | 12 38 | 14 10 | 1 40 |
| T 24 | 3 33 | 2 8 | 1 40 | 12 11 | 3 13 | 9 19 | 1 18 | 18 21 | 0 42 | 8 6 | 1 35 | 19 20 | 1 55 | 18 6 | 0 12 | 17 33 | 0 24 | 9 52 | 16 46 | 3 38 | 3 44 | 12 37 | 14 11 | 1 40 |
| W25 | 3 56 | 1s44 | 0 34 | 12 9 | 3 11 | 8 53 | 1 20 | 18 32 | 0 42 | 8 9 | 1 35 | 19 20 | 1 55 | 18 6 | 0 12 | 17 33 | 0 24 | 9 51 | 16 46 | 3 38 | 3 43 | 12 35 | 14 12 | 1 40 |
| T 26 | 4 19 | 5 36 | 0n35 | 12 2 | 3 7 | 8 26 | 1 21 | 18 44 | 0 43 | 8 11 | 1 35 | 19 19 | 1 55 | 18 7 | 0 12 | 17 34 | 0 24 | 9 51 | 16 46 | 3 38 | 3 42 | 12 34 | 14 14 | 1 40 |
| F 27 | 4 42 | 9 16 | 1 44 | 11 52 | 3 2 | 8 0 | 1 23 | 18 55 | 0 43 | 8 13 | 1 35 | 19 19 | 1 55 | 18 8 | 0 12 | 17 34 | 0 24 | 9 50 | 16 46 | 3 38 | 3 41 | 12 32 | 14 15 | 1 40 |
| S 28 | 5 5 | 12 34 | 2 48 | 11 39 | 2 56 | 7 33 | 1 24 | 19 5 | 0 43 | 8 15 | 1 35 | 19 19 | 1 55 | 18 9 | 0 12 | 17 34 | 0 24 | 9 49 | 16 46 | 3 38 | 3 39 | 12 31 | 14 16 | 1 40 |
| S 29 | 5 28 | 15 17 | 3 45 | 11 22 | 2 48 | 7 6 | 1 25 | 19 16 | 0 44 | 8 17 | 1 34 | 19 18 | 1 55 | 18 9 | 0 12 | 17 34 | 0 24 | 9 49 | 16 46 | 3 38 | 3 38 | 12 29 | 14 17 | 1 40 |
| M30 | 5 51 | 17 14 | 4 30 | 11 3 | 2 39 | 6 38 | 1 27 | 19 27 | 0 44 | 8 19 | 1 34 | 19 18 | 1 55 | 18 10 | 0 12 | 17 34 | 0 24 | 9 48 | 16 46 | 3 38 | 3 37 | 12 28 | 14 18 | 1 40 |
| T 31 | 6n14 | 18s14 | 5n 2 | 10n41 | 2n28 | 6s11 | 1s28 | 19n37 | 0n45 | 8n21 | 1n34 | 19s17 | 1n56 | 18n11 | 0s12 | 17n35 | 0n24 | 9s48 | 16s46 | 3s38 | 3s36 | 12n27 | 14n19 | 1s40 |

Julian Day Number = 2123987.5, Delta T = 17m32s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'15, Lahiri = 11°21'16 Julian Calendar 1 March 1103 == Greg. Calendar 8 March 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## APRIL 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 59 28 | 16♈43'35 | 4♑58 | 20°R49 | 19♓ 3 | 24♉48 | 12°R23 | 4°R40 | 22♉ 7 | 12°R16 | 14♈16 | 9°R 6 | 8♎58 | 15♌ 2 | 13♉23 | W 1 |
| T 2 | 13 3 25 | 17°42'04 | 18°59 | 20♈10 | 20°16 | 25°28 | 12♍18 | 4♐38 | 22°10 | 12♌15 | 14°18 | 9°D 6 | 8°55 | 15° 9 | 13°27 | T 2 |
| F 3 | 13 7 21 | 18°40'32 | 3♒11 | 19°30 | 21°28 | 26° 8 | 12°13 | 4°36 | 22°13 | 12°15 | 14°19 | 9♎ 6 | 8°52 | 15°16 | 13°31 | F 3 |
| S 4 | 13 11 18 | 19°38'57 | 17°33 | 18°49 | 22°41 | 26°48 | 12° 8 | 4°33 | 22°16 | 12°14 | 14°20 | 9° 7 | 8°49 | 15°22 | 13°35 | S 4 |
| S 5 | 13 15 14 | 20°37'22 | 2♓ 0 | 18° 7 | 23°54 | 27°28 | 12° 3 | 4°31 | 22°20 | 12°14 | 14°22 | 9° 8 | 8°46 | 15°29 | 13°39 | S 5 |
| M 6 | 13 19 11 | 21°35'44 | 16°29 | 17°27 | 25° 7 | 28° 7 | 11°59 | 4°28 | 22°23 | 12°14 | 14°23 | 9° 8 | 8°42 | 15°36 | 13°43 | M 6 |
| T 7 | 13 23 8 | 22°34'05 | 0♈55 | 16°47 | 26°20 | 28°47 | 11°54 | 4°25 | 22°26 | 12°13 | 14°25 | 9° 9 | 8°39 | 15°43 | 13°48 | T 7 |
| W 8 | 13 27 4 | 23°32'24 | 15°14 | 16°10 | 27°33 | 29°27 | 11°50 | 4°23 | 22°29 | 12°13 | 14°26 | 9°R 9 | 8°36 | 15°49 | 13°52 | W 8 |
| T 9 | 13 31 1 | 24°30'41 | 29°19 | 15°35 | 28°46 | 0♊ 7 | 11°45 | 4°20 | 22°32 | 12°13 | 14°27 | 9° 8 | 8°33 | 15°56 | 13°56 | T 9 |
| F 10 | 13 34 57 | 25°28'57 | 13♉ 8 | 15° 3 | 29°59 | 0°46 | 11°41 | 4°17 | 22°35 | 12°12 | 14°29 | 9° 7 | 8°30 | 16° 3 | 14° 0 | F 10 |
| S 11 | 13 38 54 | 26°27'11 | 26°36 | 14°34 | 1♈12 | 1°26 | 11°38 | 4°14 | 22°39 | 12°12 | 14°30 | 9° 5 | 8°26 | 16° 9 | 14° 4 | S 11 |
| S 12 | 13 42 50 | 27°25'22 | 9♊43 | 14°10 | 2°25 | 2° 5 | 11°34 | 4°11 | 22°42 | 12°12 | 14°32 | 9° 2 | 8°23 | 16°16 | 14° 8 | S 12 |
| M13 | 13 46 47 | 28°23'32 | 22°30 | 13°50 | 3°38 | 2°45 | 11°30 | 4° 8 | 22°45 | 12°12 | 14°33 | 8°59 | 8°20 | 16°23 | 14°12 | M13 |
| T 14 | 13 50 43 | 29°21'40 | 4♋58 | 13°34 | 4°51 | 3°25 | 11°27 | 4° 5 | 22°48 | 12°12 | 14°34 | 8°57 | 8°17 | 16°29 | 14°17 | T 14 |
| W15 | 13 54 40 | 0♉19'46 | 17°10 | 13°23 | 6° 4 | 4° 4 | 11°24 | 4° 2 | 22°52 | 12°12 | 14°36 | 8°56 | 8°14 | 16°36 | 14°21 | W15 |
| T 16 | 13 58 37 | 1°17'50 | 29°11 | 13°16 | 7°17 | 4°44 | 11°21 | 3°58 | 22°55 | 12°12 | 14°37 | 8°D55 | 8°11 | 16°43 | 14°25 | T 16 |
| F 17 | 14 2 33 | 2°15'51 | 11♌ 4 | 13°D14 | 8°30 | 5°23 | 11°18 | 3°55 | 22°58 | 12°D12 | 14°38 | 8°55 | 8° 7 | 16°49 | 14°29 | F 17 |
| S 18 | 14 6 30 | 3°13'51 | 22°55 | 13°17 | 9°43 | 6° 3 | 11°15 | 3°51 | 23° 2 | 12°12 | 14°40 | 8°56 | 8° 4 | 16°56 | 14°34 | S 18 |
| S 19 | 14 10 26 | 4°11'49 | 4♍49 | 13°25 | 10°56 | 6°42 | 11°13 | 3°48 | 23° 5 | 12°12 | 14°41 | 8°58 | 8° 1 | 17° 3 | 14°38 | S 19 |
| M20 | 14 14 23 | 5° 9'46 | 16°49 | 13°37 | 12° 9 | 7°21 | 11°11 | 3°44 | 23° 8 | 12°12 | 14°42 | 9° 0 | 7°58 | 17°10 | 14°42 | M20 |
| T 21 | 14 18 19 | 6° 7'40 | 29° 1 | 13°54 | 13°22 | 8° 1 | 11° 8 | 3°41 | 23°12 | 12°12 | 14°44 | 9° 1 | 7°55 | 17°16 | 14°47 | T 21 |
| W22 | 14 22 16 | 7° 5'32 | 11♎27 | 14°15 | 14°35 | 8°40 | 11° 7 | 3°37 | 23°15 | 12°12 | 14°45 | 9°R 1 | 7°52 | 17°23 | 14°51 | W22 |
| T 23 | 14 26 12 | 8° 3'23 | 24° 9 | 14°41 | 15°48 | 9°19 | 11° 5 | 3°33 | 23°19 | 12°12 | 14°46 | 9° 0 | 7°48 | 17°30 | 14°55 | T 23 |
| F 24 | 14 30 9 | 9° 1'13 | 7♏ 8 | 15°10 | 17° 1 | 9°59 | 11° 3 | 3°30 | 23°22 | 12°12 | 14°48 | 8°58 | 7°45 | 17°36 | 14°59 | F 24 |
| S 25 | 14 34 6 | 9°59'00 | 20°25 | 15°44 | 18°14 | 10°38 | 11° 2 | 3°26 | 23°26 | 12°13 | 14°49 | 8°54 | 7°42 | 17°43 | 15° 4 | S 25 |
| S 26 | 14 38 2 | 10°56'47 | 3♐59 | 16°22 | 19°27 | 11°17 | 11° 1 | 3°22 | 23°29 | 12°13 | 14°50 | 8°50 | 7°39 | 17°50 | 15° 8 | S 26 |
| M27 | 14 41 59 | 11°54'32 | 17°46 | 17° 4 | 20°40 | 11°56 | 11° 0 | 3°18 | 23°32 | 12°13 | 14°51 | 8°45 | 7°36 | 17°56 | 15°12 | M27 |
| T 28 | 14 45 55 | 12°52'16 | 1♑43 | 17°49 | 21°53 | 12°36 | 10°59 | 3°14 | 23°36 | 12°14 | 14°53 | 8°40 | 7°32 | 18° 3 | 15°17 | T 28 |
| W29 | 14 49 52 | 13°49'59 | 15°48 | 18°38 | 23° 6 | 13°15 | 10°58 | 3°10 | 23°39 | 12°14 | 14°54 | 8°36 | 7°29 | 18°10 | 15°21 | W29 |
| T 30 | 14 53 48 | 14♉47'40 | 29♑58 | 19♈30 | 24♈19 | 13♊54 | 10♍58 | 3♐ 6 | 23♉43 | 12♌14 | 14♈55 | 8♎34 | 7♎26 | 18♌16 | 15♉26 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n36 | 18s12 | 5n16 | 10n16 | 2n16 | 5s43 | 1s29 | 19n48 | 0n45 | 8n23 | 1n34 | 19s17 | 1n56 | 18n12 | 0s12 | 17n35 | 0n24 | 9s47 | 16s46 | 3s37 | 3s34 | 12n25 | 14n20 | 1s40 |
| T 2 | 6 59 | 17 3 | 5 12 | 9 49 | 2 3 | 5 15 | 1 30 | 19 58 | 0 46 | 8 25 | 1 34 | 19 16 | 1 56 | 18 12 | 0 12 | 17 35 | 0 24 | 9 47 | 16 46 | 3 37 | 3 33 | 12 24 | 14 22 | 1 40 |
| F 3 | 7 21 | 14 50 | 4 50 | 9 21 | 1 49 | 4 47 | 1 31 | 20 8 | 0 46 | 8 27 | 1 34 | 19 16 | 1 56 | 18 13 | 0 12 | 17 35 | 0 24 | 9 46 | 16 46 | 3 37 | 3 32 | 12 22 | 14 23 | 1 40 |
| S 4 | 7 43 | 11 42 | 4 9 | 8 51 | 1 34 | 4 19 | 1 32 | 20 17 | 0 47 | 8 29 | 1 34 | 19 15 | 1 56 | 18 14 | 0 12 | 17 35 | 0 24 | 9 46 | 16 46 | 3 38 | 3 31 | 12 21 | 14 24 | 1 40 |
| S 5 | 8 5 | 7 50 | 3 12 | 8 21 | 1 18 | 3 51 | 1 33 | 20 27 | 0 47 | 8 31 | 1 33 | 19 15 | 1 56 | 18 15 | 0 12 | 17 35 | 0 24 | 9 45 | 16 46 | 3 38 | 3 29 | 12 19 | 14 25 | 1 40 |
| M 6 | 8 27 | 3 29 | 2 2 | 7 50 | 1 2 | 3 22 | 1 33 | 20 36 | 0 47 | 8 32 | 1 33 | 19 14 | 1 56 | 18 16 | 0 12 | 17 35 | 0 24 | 9 45 | 16 46 | 3 38 | 3 28 | 12 18 | 14 26 | 1 40 |
| T 7 | 8 49 | 1n 4 | 0 45 | 7 19 | 0 45 | 2 54 | 1 34 | 20 46 | 0 48 | 8 34 | 1 33 | 19 14 | 1 56 | 18 17 | 0 12 | 17 35 | 0 24 | 9 44 | 16 46 | 3 39 | 3 27 | 12 17 | 14 27 | 1 40 |
| W 8 | 9 11 | 5 31 | 0s34 | 6 49 | 0 28 | 2 25 | 1 35 | 20 55 | 0 48 | 8 35 | 1 33 | 19 13 | 1 56 | 18 17 | 0 12 | 17 35 | 0 24 | 9 44 | 16 46 | 3 39 | 3 26 | 12 15 | 14 29 | 1 41 |
| T 9 | 9 33 | 9 35 | 1 49 | 6 20 | 0 11 | 1 57 | 1 35 | 21 4 | 0 49 | 8 37 | 1 33 | 19 12 | 1 56 | 18 18 | 0 12 | 17 36 | 0 24 | 9 43 | 16 46 | 3 38 | 3 24 | 12 14 | 14 30 | 1 41 |
| F 10 | 9 54 | 13 2 | 2 57 | 5 52 | 0s 6 | 1 28 | 1 35 | 21 13 | 0 49 | 8 38 | 1 32 | 19 12 | 1 56 | 18 19 | 0 12 | 17 36 | 0 24 | 9 43 | 16 46 | 3 38 | 3 23 | 12 12 | 14 31 | 1 41 |
| S 11 | 10 15 | 15 43 | 3 53 | 5 26 | 0 22 | 0 59 | 1 36 | 21 21 | 0 49 | 8 39 | 1 32 | 19 11 | 1 56 | 18 20 | 0 12 | 17 36 | 0 24 | 9 42 | 16 46 | 3 37 | 3 22 | 12 11 | 14 32 | 1 41 |
| S 12 | 10 36 | 17 29 | 4 35 | 5 1 | 0 38 | 0 30 | 1 36 | 21 30 | 0 50 | 8 41 | 1 32 | 19 10 | 1 56 | 18 21 | 0 12 | 17 36 | 0 24 | 9 42 | 16 46 | 3 36 | 3 21 | 12 9 | 14 33 | 1 41 |
| M13 | 10 57 | 18 18 | 5 2 | 4 39 | 0 54 | 0 1 | 1 36 | 21 38 | 0 50 | 8 42 | 1 32 | 19 10 | 1 57 | 18 22 | 0 12 | 17 36 | 0 24 | 9 41 | 16 46 | 3 35 | 3 19 | 12 8 | 14 34 | 1 41 |
| T 14 | 11 18 | 18 13 | 5 14 | 4 19 | 1 9 | 0n28 | 1 37 | 21 46 | 0 51 | 8 43 | 1 32 | 19 9 | 1 57 | 18 22 | 0 12 | 17 36 | 0 24 | 9 41 | 16 46 | 3 34 | 3 18 | 12 6 | 14 36 | 1 41 |
| W15 | 11 38 | 17 17 | 5 12 | 4 1 | 1 24 | 0 57 | 1 37 | 21 54 | 0 51 | 8 44 | 1 32 | 19 9 | 1 57 | 18 23 | 0 12 | 17 36 | 0 24 | 9 41 | 16 46 | 3 33 | 3 17 | 12 5 | 14 37 | 1 41 |
| T 16 | 11 59 | 15 36 | 4 56 | 3 46 | 1 37 | 1 26 | 1 37 | 22 1 | 0 51 | 8 45 | 1 31 | 19 8 | 1 57 | 18 24 | 0 12 | 17 36 | 0 24 | 9 40 | 16 46 | 3 33 | 3 15 | 12 3 | 14 38 | 1 41 |
| F 17 | 12 19 | 13 15 | 4 27 | 3 34 | 1 50 | 1 55 | 1 37 | 22 9 | 0 52 | 8 46 | 1 31 | 19 7 | 1 57 | 18 25 | 0 12 | 17 36 | 0 24 | 9 40 | 16 46 | 3 33 | 3 14 | 12 2 | 14 39 | 1 41 |
| S 18 | 12 39 | 10 22 | 3 47 | 3 24 | 2 2 | 2 23 | 1 36 | 22 16 | 0 52 | 8 47 | 1 31 | 19 7 | 1 57 | 18 26 | 0 12 | 17 36 | 0 24 | 9 39 | 16 46 | 3 34 | 3 13 | 12 1 | 14 40 | 1 41 |
| S 19 | 12 59 | 7 3 | 2 57 | 3 17 | 2 13 | 2 52 | 1 36 | 22 24 | 0 52 | 8 47 | 1 31 | 19 6 | 1 57 | 18 27 | 0 12 | 17 36 | 0 24 | 9 39 | 16 47 | 3 34 | 3 12 | 11 59 | 14 42 | 1 41 |
| M20 | 13 18 | 3 24 | 1 59 | 3 12 | 2 23 | 3 21 | 1 36 | 22 31 | 0 53 | 8 48 | 1 30 | 19 5 | 1 57 | 18 28 | 0 12 | 17 36 | 0 24 | 9 39 | 16 47 | 3 35 | 3 10 | 11 58 | 14 43 | 1 41 |
| T 21 | 13 38 | 0s27 | 0 55 | 3 10 | 2 33 | 3 50 | 1 36 | 22 37 | 0 53 | 8 49 | 1 30 | 19 4 | 1 57 | 18 28 | 0 12 | 17 36 | 0 24 | 9 38 | 16 47 | 3 35 | 3 9 | 11 56 | 14 44 | 1 41 |
| W22 | 13 57 | 4 21 | 0n13 | 3 10 | 2 41 | 4 19 | 1 35 | 22 44 | 0 53 | 8 49 | 1 30 | 19 4 | 1 57 | 18 29 | 0 12 | 17 36 | 0 24 | 9 38 | 16 47 | 3 36 | 3 8 | 11 55 | 14 45 | 1 41 |
| T 23 | 14 16 | 8 8 | 1 22 | 3 13 | 2 48 | 4 48 | 1 35 | 22 50 | 0 54 | 8 50 | 1 30 | 19 3 | 1 57 | 18 30 | 0 12 | 17 36 | 0 24 | 9 37 | 16 47 | 3 35 | 3 7 | 11 53 | 14 46 | 1 41 |
| F 24 | 14 34 | 11 38 | 2 28 | 3 19 | 2 55 | 5 16 | 1 34 | 22 57 | 0 54 | 8 50 | 1 30 | 19 2 | 1 57 | 18 31 | 0 12 | 17 36 | 0 24 | 9 37 | 16 47 | 3 34 | 3 5 | 11 52 | 14 48 | 1 41 |
| S 25 | 14 53 | 14 36 | 3 27 | 3 27 | 3 1 | 5 45 | 1 33 | 23 3 | 0 54 | 8 50 | 1 29 | 19 1 | 1 57 | 18 32 | 0 12 | 17 36 | 0 24 | 9 37 | 16 47 | 3 33 | 3 4 | 11 50 | 14 49 | 1 42 |
| S 26 | 15 11 | 16 51 | 4 16 | 3 37 | 3 6 | 6 13 | 1 33 | 23 9 | 0 55 | 8 51 | 1 29 | 19 1 | 1 57 | 18 33 | 0 12 | 17 35 | 0 24 | 9 36 | 16 47 | 3 31 | 3 3 | 11 49 | 14 50 | 1 42 |
| M27 | 15 29 | 18 9 | 4 51 | 3 49 | 3 10 | 6 41 | 1 32 | 23 14 | 0 55 | 8 51 | 1 29 | 19 0 | 1 57 | 18 34 | 0 12 | 17 35 | 0 24 | 9 36 | 16 48 | 3 29 | 3 2 | 11 47 | 14 51 | 1 42 |
| T 28 | 15 47 | 18 23 | 5 9 | 4 3 | 3 13 | 7 9 | 1 31 | 23 20 | 0 55 | 8 51 | 1 29 | 18 59 | 1 57 | 18 35 | 0 12 | 17 35 | 0 24 | 9 36 | 16 48 | 3 27 | 3 0 | 11 46 | 14 52 | 1 42 |
| W29 | 16 4 | 17 30 | 5 9 | 4 19 | 3 15 | 7 37 | 1 30 | 23 25 | 0 56 | 8 51 | 1 29 | 18 58 | 1 57 | 18 35 | 0 12 | 17 35 | 0 24 | 9 35 | 16 48 | 3 26 | 2 59 | 11 44 | 14 54 | 1 42 |
| T 30 | 16n21 | 15s31 | 4n50 | 4n38 | 3s17 | 8n 5 | 1s29 | 23n30 | 0n56 | 8n51 | 1n28 | 18s58 | 1n57 | 18n36 | 0s12 | 17n35 | 0n24 | 9s35 | 16s48 | 3s25 | 2s58 | 11n43 | 14n55 | 1s42 |

Julian Day Number = 2124018.5, Delta T = 17m32s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'20, Lahiri = 11°21'20 Julian Calendar 1 Apr. 1103 == Greg. Calendar 8 Apr. 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## MAY 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 57 45 | 15♉45'21 | 14♒10 | 20♈26 | 25♈33 | 14♊33 | 10°R57 | 3°R 2 | 23♉46 | 12♌15 | 14♈56 | 8°D33 | 7♎23 | 18♌23 | 15♉30 | F 1 |
| S 2 | 15 1 41 | 16°43'00 | 28°21 | 21°25 | 26°46 | 15°12 | 10°D57 | 2♐58 | 23°50 | 12°15 | 14°58 | 8♎33 | 7°20 | 18°30 | 15°34 | S 2 |
| S 3 | 15 5 38 | 17°40'38 | 12♓30 | 22°27 | 27°59 | 15°51 | 10♍57 | 2°54 | 23°53 | 12°16 | 14°59 | 8°34 | 7°17 | 18°37 | 15°39 | S 3 |
| M 4 | 15 9 35 | 18°38'16 | 26°35 | 23°32 | 29°12 | 16°30 | 10°57 | 2°49 | 23°57 | 12°16 | 15° 0 | 8°36 | 7°13 | 18°43 | 15°43 | M 4 |
| T 5 | 15 13 31 | 19°35'52 | 10♈35 | 24°40 | 0♉25 | 17° 9 | 10°58 | 2°45 | 24° 0 | 12°17 | 15° 1 | 8°R36 | 7°10 | 18°50 | 15°47 | T 5 |
| W 6 | 15 17 28 | 20°33'27 | 24°26 | 25°51 | 1°38 | 17°48 | 10°58 | 2°41 | 24° 4 | 12°17 | 15° 2 | 8°35 | 7° 7 | 18°57 | 15°52 | W 6 |
| T 7 | 15 21 24 | 21°31'01 | 8♉ 8 | 27° 5 | 2°51 | 18°27 | 10°59 | 2°37 | 24° 7 | 12°18 | 15° 4 | 8°32 | 7° 4 | 19° 3 | 15°56 | T 7 |
| F 8 | 15 25 21 | 22°28'34 | 21°37 | 28°21 | 4° 4 | 19° 6 | 11° 0 | 2°32 | 24°11 | 12°19 | 15° 5 | 8°27 | 7° 1 | 19°10 | 16° 0 | F 8 |
| S 9 | 15 29 17 | 23°26'06 | 4♊51 | 29°41 | 5°18 | 19°45 | 11° 1 | 2°28 | 24°14 | 12°19 | 15° 6 | 8°20 | 6°58 | 19°17 | 16° 5 | S 9 |
| S 10 | 15 33 14 | 24°23'37 | 17°49 | 1♉ 2 | 6°31 | 20°24 | 11° 3 | 2°24 | 24°18 | 12°20 | 15° 7 | 8°12 | 6°54 | 19°23 | 16° 9 | S 10 |
| M11 | 15 37 10 | 25°21'07 | 0♋30 | 2°27 | 7°44 | 21° 3 | 11° 4 | 2°19 | 24°21 | 12°21 | 15° 8 | 8° 4 | 6°51 | 19°30 | 16°13 | M11 |
| T 12 | 15 41 7 | 26°18'35 | 12°54 | 3°54 | 8°57 | 21°42 | 11° 6 | 2°15 | 24°25 | 12°22 | 15° 9 | 7°57 | 6°48 | 19°37 | 16°18 | T 12 |
| W13 | 15 45 4 | 27°16'03 | 25° 5 | 5°24 | 10°10 | 22°21 | 11° 8 | 2°10 | 24°29 | 12°22 | 15°10 | 7°50 | 6°45 | 19°43 | 16°22 | W13 |
| T 14 | 15 49 0 | 28°13'29 | 7♌ 5 | 6°56 | 11°23 | 23° 0 | 11°10 | 2° 6 | 24°32 | 12°23 | 15°11 | 7°46 | 6°42 | 19°50 | 16°26 | T 14 |
| F 15 | 15 52 57 | 29°10'53 | 18°58 | 8°31 | 12°37 | 23°39 | 11°12 | 2° 2 | 24°36 | 12°24 | 15°13 | 7°44 | 6°38 | 19°57 | 16°30 | F 15 |
| S 16 | 15 56 53 | 0♊ 8'17 | 0♍49 | 10° 9 | 13°50 | 24°18 | 11°14 | 1°57 | 24°39 | 12°25 | 15°14 | 7°D43 | 6°35 | 20° 3 | 16°35 | S 16 |
| S 17 | 16 0 50 | 1° 5'39 | 12°42 | 11°49 | 15° 3 | 24°56 | 11°17 | 1°53 | 24°43 | 12°26 | 15°15 | 7°44 | 6°32 | 20°10 | 16°39 | S 17 |
| M18 | 16 4 46 | 2° 3'00 | 24°43 | 13°31 | 16°16 | 25°35 | 11°20 | 1°48 | 24°46 | 12°27 | 15°16 | 7°45 | 6°29 | 20°17 | 16°43 | M18 |
| T 19 | 16 8 43 | 3° 0'20 | 6♎58 | 15°16 | 17°29 | 26°14 | 11°22 | 1°44 | 24°50 | 12°28 | 15°17 | 7°R45 | 6°26 | 20°24 | 16°47 | T 19 |
| W20 | 16 12 39 | 3°57'39 | 19°29 | 17° 4 | 18°43 | 26°53 | 11°26 | 1°39 | 24°53 | 12°29 | 15°18 | 7°45 | 6°23 | 20°30 | 16°52 | W20 |
| T 21 | 16 16 36 | 4°54'57 | 2♏21 | 18°54 | 19°56 | 27°31 | 11°29 | 1°35 | 24°57 | 12°30 | 15°19 | 7°42 | 6°19 | 20°37 | 16°56 | T 21 |
| F 22 | 16 20 32 | 5°52'14 | 15°36 | 20°46 | 21° 9 | 28°10 | 11°32 | 1°31 | 25° 0 | 12°31 | 15°20 | 7°37 | 6°16 | 20°44 | 17° 0 | F 22 |
| S 23 | 16 24 29 | 6°49'30 | 29°13 | 22°41 | 22°22 | 28°49 | 11°36 | 1°26 | 25° 3 | 12°32 | 15°21 | 7°30 | 6°13 | 20°50 | 17° 4 | S 23 |
| S 24 | 16 28 26 | 7°46'46 | 13♐11 | 24°38 | 23°36 | 29°28 | 11°39 | 1°22 | 25° 7 | 12°33 | 15°21 | 7°21 | 6°10 | 20°57 | 17° 8 | S 24 |
| M25 | 16 32 22 | 8°44'01 | 27°25 | 26°38 | 24°49 | 0♋ 6 | 11°43 | 1°17 | 25°10 | 12°35 | 15°22 | 7°12 | 6° 7 | 21° 4 | 17°12 | M25 |
| T 26 | 16 36 19 | 9°41'15 | 11♑50 | 28°39 | 26° 2 | 0°45 | 11°47 | 1°13 | 25°14 | 12°36 | 15°23 | 7° 2 | 6° 4 | 21°10 | 17°17 | T 26 |
| W27 | 16 40 15 | 10°38'29 | 26°19 | 0♊42 | 27°15 | 1°24 | 11°52 | 1° 9 | 25°17 | 12°37 | 15°24 | 6°55 | 6° 0 | 21°17 | 17°21 | W27 |
| T 28 | 16 44 12 | 11°35'43 | 10♒47 | 2°48 | 28°29 | 2° 2 | 11°56 | 1° 4 | 25°21 | 12°38 | 15°25 | 6°49 | 5°57 | 21°24 | 17°25 | T 28 |
| F 29 | 16 48 8 | 12°32'56 | 25° 8 | 4°54 | 29°42 | 2°41 | 12° 0 | 1° 0 | 25°24 | 12°39 | 15°26 | 6°46 | 5°54 | 21°30 | 17°29 | F 29 |
| S 30 | 16 52 5 | 13°30'09 | 9♓21 | 7° 3 | 0♊55 | 3°19 | 12° 5 | 0°56 | 25°27 | 12°41 | 15°27 | 6°D45 | 5°51 | 21°37 | 17°33 | S 30 |
| S 31 | 16 56 2 | 14♊27'22 | 23♓22 | 9♊12 | 2♊ 9 | 3♋58 | 12♍10 | 0♐52 | 25♉31 | 12♌42 | 15♈28 | 6♎45 | 5♎48 | 21♌44 | 17♉37 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n38 | 12s37 | 4n14 | 4n58 | 3s18 | 8n33 | 1s28 | 23n35 | 0n56 | 8n51 | 1n28 | 18s57 | 1n57 | 18n37 | 0s11 | 17n35 | 0n24 | 9s35 | 16s48 | 3s24 | 2s57 | 11n41 | 14n56 | 1s42 |
| S 2 | 16 55 | 8 57 | 3 21 | 5 20 | 3 18 | 9 1 | 1 27 | 23 40 | 0 57 | 8 51 | 1 28 | 18 56 | 1 57 | 18 38 | 0 11 | 17 35 | 0 24 | 9 34 | 16 48 | 3 24 | 2 55 | 11 40 | 14 57 | 1 42 |
| S 3 | 17 11 | 4 47 | 2 17 | 5 43 | 3 17 | 9 28 | 1 26 | 23 45 | 0 57 | 8 51 | 1 28 | 18 55 | 1 57 | 18 39 | 0 11 | 17 35 | 0 24 | 9 34 | 16 49 | 3 25 | 2 54 | 11 38 | 14 58 | 1 42 |
| M 4 | 17 27 | 0 22 | 1 5 | 6 9 | 3 16 | 9 55 | 1 25 | 23 49 | 0 57 | 8 50 | 1 27 | 18 54 | 1 57 | 18 40 | 0 11 | 17 35 | 0 24 | 9 34 | 16 49 | 3 25 | 2 53 | 11 37 | 14 59 | 1 42 |
| T 5 | 17 43 | 4n 3 | 0s11 | 6 35 | 3 14 | 10 22 | 1 24 | 23 53 | 0 58 | 8 50 | 1 27 | 18 54 | 1 57 | 18 41 | 0 11 | 17 34 | 0 24 | 9 33 | 16 49 | 3 26 | 2 52 | 11 35 | 15 1 | 1 42 |
| W 6 | 17 58 | 8 12 | 1 25 | 7 4 | 3 11 | 10 49 | 1 23 | 23 57 | 0 58 | 8 49 | 1 27 | 18 53 | 1 57 | 18 42 | 0 11 | 17 34 | 0 24 | 9 33 | 16 49 | 3 25 | 2 50 | 11 34 | 15 2 | 1 42 |
| T 7 | 18 14 | 11 52 | 2 33 | 7 33 | 3 8 | 11 15 | 1 21 | 24 1 | 0 58 | 8 49 | 1 27 | 18 52 | 1 57 | 18 42 | 0 11 | 17 34 | 0 24 | 9 33 | 16 49 | 3 24 | 2 49 | 11 32 | 15 3 | 1 43 |
| F 8 | 18 29 | 14 51 | 3 32 | 8 4 | 3 4 | 11 41 | 1 20 | 24 4 | 0 58 | 8 48 | 1 26 | 18 51 | 1 57 | 18 43 | 0 11 | 17 34 | 0 24 | 9 33 | 16 49 | 3 22 | 2 48 | 11 31 | 15 4 | 1 43 |
| S 9 | 18 43 | 16 59 | 4 17 | 8 37 | 3 0 | 12 7 | 1 18 | 24 8 | 0 59 | 8 48 | 1 26 | 18 50 | 1 57 | 18 44 | 0 11 | 17 34 | 0 24 | 9 32 | 16 50 | 3 19 | 2 46 | 11 29 | 15 5 | 1 43 |
| S 10 | 18 58 | 18 12 | 4 49 | 9 10 | 2 54 | 12 33 | 1 17 | 24 11 | 0 59 | 8 47 | 1 26 | 18 50 | 1 57 | 18 45 | 0 11 | 17 33 | 0 24 | 9 32 | 16 50 | 3 16 | 2 45 | 11 28 | 15 6 | 1 43 |
| M11 | 19 11 | 18 28 | 5 5 | 9 44 | 2 49 | 12 58 | 1 15 | 24 14 | 0 59 | 8 46 | 1 26 | 18 49 | 1 57 | 18 46 | 0 11 | 17 33 | 0 24 | 9 32 | 16 50 | 3 13 | 2 44 | 11 26 | 15 8 | 1 43 |
| T 12 | 19 25 | 17 50 | 5 7 | 10 20 | 2 42 | 13 23 | 1 14 | 24 17 | 0 59 | 8 45 | 1 25 | 18 48 | 1 57 | 18 47 | 0 11 | 17 33 | 0 24 | 9 32 | 16 50 | 3 10 | 2 43 | 11 25 | 15 9 | 1 43 |
| W13 | 19 39 | 16 24 | 4 54 | 10 56 | 2 36 | 13 48 | 1 12 | 24 19 | 1 0 | 8 44 | 1 25 | 18 47 | 1 57 | 18 48 | 0 11 | 17 33 | 0 24 | 9 32 | 16 50 | 3 7 | 2 41 | 11 23 | 15 10 | 1 43 |
| T 14 | 19 52 | 14 15 | 4 29 | 11 34 | 2 28 | 14 12 | 1 10 | 24 22 | 1 0 | 8 43 | 1 25 | 18 46 | 1 57 | 18 49 | 0 11 | 17 33 | 0 24 | 9 31 | 16 51 | 3 6 | 2 40 | 11 22 | 15 11 | 1 43 |
| F 15 | 20 4 | 11 32 | 3 52 | 12 12 | 2 20 | 14 36 | 1 8 | 24 24 | 1 0 | 8 42 | 1 25 | 18 45 | 1 57 | 18 49 | 0 11 | 17 32 | 0 24 | 9 31 | 16 51 | 3 5 | 2 39 | 11 20 | 15 12 | 1 43 |
| S 16 | 20 17 | 8 21 | 3 5 | 12 50 | 2 12 | 15 0 | 1 7 | 24 26 | 1 0 | 8 41 | 1 25 | 18 45 | 1 57 | 18 50 | 0 11 | 17 32 | 0 24 | 9 31 | 16 51 | 3 5 | 2 38 | 11 19 | 15 13 | 1 43 |
| S 17 | 20 29 | 4 49 | 2 11 | 13 30 | 2 3 | 15 24 | 1 5 | 24 28 | 1 1 | 8 40 | 1 24 | 18 44 | 1 57 | 18 51 | 0 11 | 17 32 | 0 24 | 9 31 | 16 51 | 3 5 | 2 36 | 11 17 | 15 14 | 1 44 |
| M18 | 20 40 | 1 3 | 1 10 | 14 9 | 1 54 | 15 47 | 1 3 | 24 30 | 1 1 | 8 39 | 1 24 | 18 43 | 1 57 | 18 52 | 0 11 | 17 31 | 0 24 | 9 31 | 16 52 | 3 5 | 2 35 | 11 16 | 15 15 | 1 44 |
| T 19 | 20 51 | 2s50 | 0 4 | 14 50 | 1 45 | 16 9 | 1 1 | 24 31 | 1 1 | 8 37 | 1 24 | 18 42 | 1 57 | 18 53 | 0 11 | 17 31 | 0 24 | 9 30 | 16 52 | 3 5 | 2 34 | 11 14 | 15 16 | 1 44 |
| W20 | 21 2 | 6 42 | 1n 3 | 15 30 | 1 35 | 16 32 | 0 59 | 24 32 | 1 1 | 8 36 | 1 24 | 18 41 | 1 57 | 18 54 | 0 11 | 17 31 | 0 24 | 9 30 | 16 52 | 3 5 | 2 33 | 11 13 | 15 18 | 1 44 |
| T 21 | 21 13 | 10 21 | 2 8 | 16 10 | 1 25 | 16 53 | 0 57 | 24 33 | 1 2 | 8 35 | 1 23 | 18 40 | 1 56 | 18 55 | 0 11 | 17 31 | 0 24 | 9 30 | 16 52 | 3 4 | 2 31 | 11 11 | 15 19 | 1 44 |
| F 22 | 21 23 | 13 35 | 3 8 | 16 51 | 1 14 | 17 15 | 0 55 | 24 34 | 1 2 | 8 33 | 1 23 | 18 40 | 1 56 | 18 55 | 0 11 | 17 30 | 0 24 | 9 30 | 16 53 | 3 2 | 2 30 | 11 10 | 15 20 | 1 44 |
| S 23 | 21 33 | 16 11 | 3 59 | 17 31 | 1 3 | 17 36 | 0 53 | 24 35 | 1 2 | 8 32 | 1 23 | 18 39 | 1 56 | 18 56 | 0 11 | 17 30 | 0 24 | 9 30 | 16 53 | 2 59 | 2 29 | 11 8 | 15 21 | 1 44 |
| S 24 | 21 43 | 17 54 | 4 38 | 18 10 | 0 52 | 17 56 | 0 51 | 24 35 | 1 2 | 8 30 | 1 23 | 18 38 | 1 56 | 18 57 | 0 11 | 17 30 | 0 23 | 9 30 | 16 53 | 2 56 | 2 28 | 11 7 | 15 22 | 1 44 |
| M25 | 21 52 | 18 32 | 5 0 | 18 49 | 0 41 | 18 16 | 0 49 | 24 36 | 1 2 | 8 28 | 1 23 | 18 37 | 1 56 | 18 58 | 0 11 | 17 29 | 0 23 | 9 30 | 16 53 | 2 52 | 2 26 | 11 5 | 15 23 | 1 45 |
| T 26 | 22 1 | 18 0 | 5 3 | 19 28 | 0 30 | 18 36 | 0 47 | 24 36 | 1 3 | 8 26 | 1 22 | 18 36 | 1 56 | 18 59 | 0 11 | 17 29 | 0 23 | 9 30 | 16 54 | 2 48 | 2 25 | 11 4 | 15 24 | 1 45 |
| W27 | 22 9 | 16 18 | 4 47 | 20 5 | 0 19 | 18 55 | 0 44 | 24 36 | 1 3 | 8 25 | 1 22 | 18 36 | 1 56 | 19 0 | 0 11 | 17 29 | 0 23 | 9 30 | 16 54 | 2 45 | 2 24 | 11 2 | 15 25 | 1 45 |
| T 28 | 22 17 | 13 34 | 4 13 | 20 41 | 0 8 | 19 14 | 0 42 | 24 35 | 1 3 | 8 23 | 1 22 | 18 35 | 1 56 | 19 0 | 0 11 | 17 28 | 0 23 | 9 30 | 16 54 | 2 43 | 2 23 | 11 1 | 15 26 | 1 45 |
| F 29 | 22 24 | 10 1 | 3 23 | 21 16 | 0n 3 | 19 32 | 0 40 | 24 35 | 1 3 | 8 21 | 1 22 | 18 34 | 1 56 | 19 1 | 0 11 | 17 28 | 0 23 | 9 29 | 16 55 | 2 42 | 2 21 | 10 59 | 15 27 | 1 45 |
| S 30 | 22 32 | 5 56 | 2 20 | 21 49 | 0 13 | 19 49 | 0 38 | 24 34 | 1 3 | 8 19 | 1 21 | 18 33 | 1 56 | 19 2 | 0 11 | 17 28 | 0 23 | 9 29 | 16 55 | 2 41 | 2 20 | 10 58 | 15 28 | 1 45 |
| S 31 | 22n39 | 1s34 | 1n11 | 22n20 | 0n24 | 20n 7 | 0s35 | 24n33 | 1n 4 | 8n17 | 1n21 | 18s33 | 1n56 | 19n 3 | 0s11 | 17n27 | 0n23 | 9s29 | 16s55 | 2s41 | 2s19 | 10n56 | 15n29 | 1s45 |

Julian Day Number = 2124048.5, Delta T = 17m32s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'24, Lahiri = 11°21'24 Julian Calendar 1 May 1103 == Greg. Calendar 8 May 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## JUNE 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 59 58 | 15♊24'34 | 7♈13 | 11♊22 | 3♊22 | 4♋36 | 12♍15 | 0°R47 | 25♉34 | 12♎43 | 15♈28 | 6°R45 | 5♎44 | 21♎50 | 17♉41 | M 1 |
| T 2 | 17 3 55 | 16°21'47 | 20°52 | 13°33 | 4°35 | 5°15 | 12°20 | 0♐43 | 25°38 | 12°45 | 15°29 | 6♎44 | 5°41 | 21°57 | 17°45 | T 2 |
| W 3 | 17 7 51 | 17°18'59 | 4♉21 | 15°45 | 5°49 | 5°53 | 12°25 | 0°39 | 25°41 | 12°46 | 15°30 | 6°42 | 5°38 | 22° 4 | 17°49 | W 3 |
| T 4 | 17 11 48 | 18°16'12 | 17°39 | 17°56 | 7° 2 | 6°32 | 12°31 | 0°35 | 25°44 | 12°48 | 15°31 | 6°36 | 5°35 | 22°10 | 17°53 | T 4 |
| F 5 | 17 15 44 | 19°13'24 | 0♊45 | 20° 7 | 8°16 | 7°11 | 12°36 | 0°31 | 25°48 | 12°49 | 15°31 | 6°28 | 5°32 | 22°17 | 17°57 | F 5 |
| S 6 | 17 19 41 | 20°10'36 | 13°40 | 22°18 | 9°29 | 7°49 | 12°42 | 0°27 | 25°51 | 12°51 | 15°32 | 6°18 | 5°29 | 22°24 | 18° 0 | S 6 |
| S 7 | 17 23 37 | 21° 7'47 | 26°22 | 24°28 | 10°42 | 8°27 | 12°48 | 0°23 | 25°54 | 12°52 | 15°33 | 6° 5 | 5°25 | 22°31 | 18° 4 | S 7 |
| M 8 | 17 27 34 | 22° 4'59 | 8♋51 | 26°37 | 11°56 | 9° 6 | 12°54 | 0°19 | 25°57 | 12°54 | 15°33 | 5°53 | 5°22 | 22°37 | 18° 8 | M 8 |
| T 9 | 17 31 31 | 23° 2'10 | 21° 8 | 28°45 | 13° 9 | 9°44 | 13° 0 | 0°15 | 26° 1 | 12°55 | 15°34 | 5°41 | 5°19 | 22°44 | 18°12 | T 9 |
| W10 | 17 35 27 | 23°59'21 | 3♌14 | 0♋52 | 14°23 | 10°23 | 13° 6 | 0°11 | 26° 4 | 12°57 | 15°35 | 5°30 | 5°16 | 22°51 | 18°16 | W10 |
| T 11 | 17 39 24 | 24°56'32 | 15°10 | 2°58 | 15°36 | 11° 1 | 13°13 | 0° 7 | 26° 7 | 12°58 | 15°35 | 5°22 | 5°13 | 22°57 | 18°19 | T 11 |
| F 12 | 17 43 20 | 25°53'42 | 27° 1 | 5° 1 | 16°50 | 11°40 | 13°19 | 0° 4 | 26°10 | 13° 0 | 15°36 | 5°17 | 5°10 | 23° 4 | 18°23 | F 12 |
| S 13 | 17 47 17 | 26°50'52 | 8♍50 | 7° 3 | 18° 3 | 12°18 | 13°26 | 29♏59 | 26°13 | 13° 2 | 15°37 | 5°14 | 5° 6 | 23°11 | 18°27 | S 13 |
| S 14 | 17 51 13 | 27°48'02 | 20°41 | 9° 4 | 19°17 | 12°57 | 13°33 | 29°56 | 26°17 | 13° 3 | 15°37 | 5°13 | 5° 3 | 23°17 | 18°30 | S 14 |
| M15 | 17 55 10 | 28°45'11 | 2♎41 | 11° 2 | 20°30 | 13°35 | 13°40 | 29°53 | 26°20 | 13° 5 | 15°38 | 5°13 | 5° 0 | 23°24 | 18°34 | M15 |
| T 16 | 17 59 6 | 29°42'20 | 14°55 | 12°58 | 21°44 | 14°13 | 13°47 | 29°49 | 26°23 | 13° 7 | 15°38 | 5°13 | 4°57 | 23°31 | 18°38 | T 16 |
| W17 | 18 3 3 | 0♋39'29 | 27°27 | 14°53 | 22°58 | 14°52 | 13°54 | 29°45 | 26°26 | 13° 8 | 15°39 | 5°11 | 4°54 | 23°37 | 18°41 | W17 |
| T 18 | 18 7 0 | 1°36'38 | 10♏22 | 16°46 | 24°11 | 15°30 | 14° 1 | 29°42 | 26°29 | 13°10 | 15°39 | 5° 8 | 4°50 | 23°44 | 18°45 | T 18 |
| F 19 | 18 10 56 | 2°33'47 | 23°44 | 18°36 | 25°25 | 16° 8 | 14° 9 | 29°39 | 26°32 | 13°12 | 15°40 | 5° 2 | 4°47 | 23°51 | 18°48 | F 19 |
| S 20 | 18 14 53 | 3°30'56 | 7♐33 | 20°25 | 26°38 | 16°47 | 14°17 | 29°35 | 26°35 | 13°14 | 15°40 | 4°54 | 4°44 | 23°57 | 18°51 | S 20 |
| S 21 | 18 18 49 | 4°28'05 | 21°47 | 22°12 | 27°52 | 17°25 | 14°24 | 29°32 | 26°38 | 13°16 | 15°40 | 4°43 | 4°41 | 24° 4 | 18°55 | S 21 |
| M22 | 18 22 46 | 5°25'14 | 6♑22 | 23°57 | 29° 6 | 18° 3 | 14°32 | 29°29 | 26°41 | 13°17 | 15°41 | 4°32 | 4°38 | 24°11 | 18°58 | M22 |
| T 23 | 18 26 42 | 6°22'24 | 21°11 | 25°40 | 0♋19 | 18°42 | 14°40 | 29°26 | 26°44 | 13°19 | 15°41 | 4°21 | 4°35 | 24°17 | 19° 1 | T 23 |
| W24 | 18 30 39 | 7°19'34 | 6♒ 4 | 27°21 | 1°33 | 19°20 | 14°48 | 29°23 | 26°46 | 13°21 | 15°42 | 4°12 | 4°31 | 24°24 | 19° 5 | W24 |
| T 25 | 18 34 35 | 8°16'44 | 20°54 | 28°59 | 2°47 | 19°58 | 14°56 | 29°20 | 26°49 | 13°23 | 15°42 | 4° 5 | 4°28 | 24°31 | 19° 8 | T 25 |
| F 26 | 18 38 32 | 9°13'55 | 5♓34 | 0♌36 | 4° 0 | 20°36 | 15° 5 | 29°17 | 26°52 | 13°25 | 15°42 | 4° 1 | 4°25 | 24°37 | 19°11 | F 26 |
| S 27 | 18 42 29 | 10°11'06 | 19°57 | 2°11 | 5°14 | 21°15 | 15°13 | 29°14 | 26°55 | 13°27 | 15°43 | 3°59 | 4°22 | 24°44 | 19°14 | S 27 |
| S 28 | 18 46 25 | 11° 8'18 | 4♈ 3 | 3°44 | 6°28 | 21°53 | 15°22 | 29°12 | 26°58 | 13°29 | 15°43 | 3°59 | 4°19 | 24°51 | 19°17 | S 28 |
| M29 | 18 50 22 | 12° 5'31 | 17°50 | 5°15 | 7°42 | 22°31 | 15°30 | 29° 9 | 27° 0 | 13°31 | 15°43 | 3°58 | 4°15 | 24°57 | 19°20 | M29 |
| T 30 | 18 54 18 | 13♋ 2'45 | 1♉20 | 6♌44 | 8♋55 | 23♋ 9 | 15♍39 | 29♏ 6 | 27♉ 3 | 13♌33 | 15♈43 | 3♎58 | 4♎12 | 25♌ 4 | 19♉23 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n45 | 2n50 | 0s 2 | 22n49 | 0n34 | 20n23 | 0s33 | 24n32 | 1n 4 | 8n15 | 1n21 | 18s32 | 1n55 | 19n 4 | 0s11 | 17n27 | 0n23 | 9s29 | 16s55 | 2s42 | 2s17 | 10n55 | 15n30 | 1s45 |
| T 2 | 22 51 | 7 2 | 1 14 | 23 16 | 0 44 | 20 39 | 0 31 | 24 31 | 1 4 | 8 12 | 1 21 | 18 31 | 1 55 | 19 5 | 0 11 | 17 26 | 0 23 | 9 29 | 16 56 | 2 41 | 2 16 | 10 53 | 15 31 | 1 46 |
| W 3 | 22 57 | 10 49 | 2 21 | 23 40 | 0 53 | 20 55 | 0 28 | 24 29 | 1 4 | 8 10 | 1 21 | 18 30 | 1 55 | 19 5 | 0 11 | 17 26 | 0 23 | 9 29 | 16 56 | 2 40 | 2 15 | 10 52 | 15 32 | 1 46 |
| T 4 | 23 2 | 13 59 | 3 19 | 24 2 | 1 2 | 21 9 | 0 26 | 24 28 | 1 4 | 8 8 | 1 20 | 18 30 | 1 55 | 19 6 | 0 11 | 17 26 | 0 23 | 9 29 | 16 56 | 2 38 | 2 14 | 10 50 | 15 33 | 1 46 |
| F 5 | 23 7 | 16 24 | 4 5 | 24 21 | 1 10 | 21 24 | 0 24 | 24 26 | 1 5 | 8 6 | 1 20 | 18 29 | 1 55 | 19 7 | 0 11 | 17 25 | 0 23 | 9 29 | 16 57 | 2 35 | 2 12 | 10 49 | 15 34 | 1 46 |
| S 6 | 23 11 | 17 57 | 4 38 | 24 37 | 1 18 | 21 38 | 0 21 | 24 24 | 1 5 | 8 3 | 1 20 | 18 28 | 1 55 | 19 8 | 0 11 | 17 25 | 0 23 | 9 29 | 16 57 | 2 31 | 2 11 | 10 47 | 15 35 | 1 46 |
| S 7 | 23 15 | 18 33 | 4 57 | 24 51 | 1 24 | 21 51 | 0 19 | 24 22 | 1 5 | 8 1 | 1 20 | 18 27 | 1 55 | 19 8 | 0 11 | 17 24 | 0 24 | 9 29 | 16 57 | 2 26 | 2 10 | 10 45 | 15 36 | 1 46 |
| M 8 | 23 19 | 18 15 | 5 1 | 25 1 | 1 31 | 22 3 | 0 17 | 24 19 | 1 5 | 7 58 | 1 19 | 18 27 | 1 55 | 19 9 | 0 11 | 17 24 | 0 24 | 9 29 | 16 58 | 2 21 | 2 9 | 10 44 | 15 37 | 1 46 |
| T 9 | 23 22 | 17 6 | 4 50 | 25 9 | 1 36 | 22 15 | 0 14 | 24 17 | 1 5 | 7 56 | 1 19 | 18 26 | 1 54 | 19 10 | 0 11 | 17 23 | 0 24 | 9 29 | 16 58 | 2 16 | 2 7 | 10 42 | 15 37 | 1 47 |
| W10 | 23 25 | 15 12 | 4 27 | 25 14 | 1 41 | 22 26 | 0 12 | 24 14 | 1 5 | 7 53 | 1 19 | 18 25 | 1 54 | 19 11 | 0 11 | 17 23 | 0 24 | 9 29 | 16 58 | 2 12 | 2 6 | 10 41 | 15 38 | 1 47 |
| T 11 | 23 27 | 12 40 | 3 52 | 25 16 | 1 45 | 22 37 | 0 9 | 24 11 | 1 5 | 7 50 | 1 19 | 18 25 | 1 54 | 19 12 | 0 11 | 17 23 | 0 24 | 9 30 | 16 58 | 2 9 | 2 5 | 10 39 | 15 39 | 1 47 |
| F 12 | 23 29 | 9 38 | 3 8 | 25 16 | 1 48 | 22 47 | 0 7 | 24 8 | 1 6 | 7 48 | 1 19 | 18 24 | 1 54 | 19 12 | 0 11 | 17 22 | 0 24 | 9 30 | 16 59 | 2 6 | 2 4 | 10 38 | 15 40 | 1 47 |
| S 13 | 23 31 | 6 13 | 2 15 | 25 13 | 1 51 | 22 56 | 0 5 | 24 4 | 1 6 | 7 45 | 1 18 | 18 24 | 1 54 | 19 13 | 0 11 | 17 22 | 0 24 | 9 30 | 16 59 | 2 5 | 2 2 | 10 36 | 15 41 | 1 47 |
| S 14 | 23 32 | 2 32 | 1 16 | 25 7 | 1 53 | 23 5 | 0 2 | 24 1 | 1 6 | 7 42 | 1 18 | 18 23 | 1 54 | 19 14 | 0 11 | 17 21 | 0 24 | 9 30 | 16 59 | 2 5 | 2 1 | 10 35 | 15 42 | 1 47 |
| M15 | 23 33 | 1s17 | 0 13 | 24 59 | 1 54 | 23 13 | 0n 0 | 23 57 | 1 6 | 7 39 | 1 18 | 18 22 | 1 53 | 19 15 | 0 11 | 17 21 | 0 24 | 9 30 | 17 0 | 2 5 | 2 0 | 10 33 | 15 43 | 1 48 |
| T 16 | 23 33 | 5 7 | 0n51 | 24 49 | 1 54 | 23 20 | 0 3 | 23 53 | 1 6 | 7 36 | 1 18 | 18 22 | 1 53 | 19 15 | 0 11 | 17 20 | 0 24 | 9 30 | 17 0 | 2 5 | 1 58 | 10 32 | 15 43 | 1 48 |
| W17 | 23 33 | 8 50 | 1 55 | 24 36 | 1 54 | 23 27 | 0 5 | 23 49 | 1 6 | 7 33 | 1 18 | 18 21 | 1 53 | 19 16 | 0 11 | 17 20 | 0 24 | 9 30 | 17 0 | 2 4 | 1 57 | 10 30 | 15 44 | 1 48 |
| T 18 | 23 33 | 12 14 | 2 55 | 24 22 | 1 53 | 23 33 | 0 7 | 23 45 | 1 6 | 7 30 | 1 17 | 18 21 | 1 53 | 19 17 | 0 11 | 17 19 | 0 24 | 9 30 | 17 1 | 2 3 | 1 56 | 10 28 | 15 45 | 1 48 |
| F 19 | 23 32 | 15 8 | 3 47 | 24 6 | 1 52 | 23 38 | 0 10 | 23 40 | 1 7 | 7 27 | 1 17 | 18 20 | 1 53 | 19 17 | 0 11 | 17 19 | 0 24 | 9 30 | 17 1 | 2 1 | 1 55 | 10 27 | 15 46 | 1 48 |
| S 20 | 23 30 | 17 16 | 4 28 | 23 48 | 1 50 | 23 43 | 0 12 | 23 36 | 1 7 | 7 24 | 1 17 | 18 19 | 1 53 | 19 18 | 0 11 | 17 18 | 0 24 | 9 31 | 17 1 | 1 57 | 1 53 | 10 25 | 15 47 | 1 48 |
| S 21 | 23 29 | 18 25 | 4 53 | 23 28 | 1 47 | 23 47 | 0 15 | 23 31 | 1 7 | 7 21 | 1 17 | 18 19 | 1 52 | 19 19 | 0 11 | 17 18 | 0 24 | 9 31 | 17 2 | 1 53 | 1 52 | 10 24 | 15 47 | 1 48 |
| M22 | 23 26 | 18 24 | 5 0 | 23 7 | 1 44 | 23 50 | 0 17 | 23 26 | 1 7 | 7 18 | 1 17 | 18 18 | 1 52 | 19 19 | 0 11 | 17 17 | 0 24 | 9 31 | 17 2 | 1 49 | 1 51 | 10 22 | 15 48 | 1 49 |
| T 23 | 23 24 | 17 8 | 4 48 | 22 45 | 1 40 | 23 52 | 0 19 | 23 21 | 1 7 | 7 14 | 1 17 | 18 18 | 1 52 | 19 20 | 0 11 | 17 17 | 0 24 | 9 31 | 17 2 | 1 44 | 1 50 | 10 21 | 15 49 | 1 49 |
| W24 | 23 21 | 14 43 | 4 16 | 22 21 | 1 35 | 23 54 | 0 22 | 23 16 | 1 7 | 7 11 | 1 16 | 18 18 | 1 52 | 19 21 | 0 11 | 17 16 | 0 24 | 9 31 | 17 3 | 1 41 | 1 48 | 10 19 | 15 50 | 1 49 |
| T 25 | 23 18 | 11 20 | 3 27 | 21 56 | 1 30 | 23 55 | 0 24 | 23 10 | 1 7 | 7 8 | 1 16 | 18 17 | 1 52 | 19 21 | 0 11 | 17 16 | 0 24 | 9 31 | 17 3 | 1 38 | 1 47 | 10 18 | 15 50 | 1 49 |
| F 26 | 23 14 | 7 17 | 2 24 | 21 30 | 1 25 | 23 56 | 0 26 | 23 4 | 1 7 | 7 4 | 1 16 | 18 17 | 1 52 | 19 22 | 0 11 | 17 15 | 0 24 | 9 32 | 17 3 | 1 36 | 1 46 | 10 16 | 15 51 | 1 49 |
| S 27 | 23 10 | 2 52 | 1 14 | 21 3 | 1 19 | 23 55 | 0 28 | 22 59 | 1 8 | 7 1 | 1 16 | 18 16 | 1 51 | 19 23 | 0 11 | 17 14 | 0 24 | 9 32 | 17 4 | 1 35 | 1 45 | 10 14 | 15 52 | 1 50 |
| S 28 | 23 5 | 1n37 | 0s 0 | 20 35 | 1 12 | 23 54 | 0 31 | 22 53 | 1 8 | 6 58 | 1 16 | 18 16 | 1 51 | 19 23 | 0 11 | 17 14 | 0 24 | 9 32 | 17 4 | 1 35 | 1 43 | 10 13 | 15 52 | 1 50 |
| M29 | 23 0 | 5 55 | 1 13 | 20 6 | 1 5 | 23 52 | 0 33 | 22 46 | 1 8 | 6 54 | 1 16 | 18 15 | 1 51 | 19 24 | 0 11 | 17 13 | 0 24 | 9 32 | 17 4 | 1 35 | 1 42 | 10 11 | 15 53 | 1 50 |
| T 30 | 22n55 | 9n49 | 2s19 | 19n37 | 0n58 | 23n50 | 0n35 | 22n40 | 1n 8 | 6n50 | 1n15 | 18s15 | 1n51 | 19n25 | 0s11 | 17n13 | 0n24 | 9s32 | 17s 5 | 1s35 | 1s41 | 10n10 | 15n54 | 1s50 |

Julian Day Number = 2124079.5, Delta T = 17m31s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'28, Lahiri = 11°21'28 Julian Calendar 1 June 1103 == Greg. Calendar 8 June 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## JULY 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 58 15 | 14♋ 0'00 | 14♉34 | 8♌11 | 10♋ 9 | 23♋48 | 15♍48 | 29°R 4 | 27♉ 6 | 13♌35 | 15♈43 | 3°R55 | 4♎ 9 | 25♌11 | 19♉26 | W 1 |
| T 2 | 19 2 11 | 14°57'15 | 27°34 | 9°36 | 11°23 | 24°26 | 15°57 | 29♏ 1 | 27° 8 | 13°37 | 15°44 | 3♎49 | 4° 6 | 25°18 | 19°29 | T 2 |
| F 3 | 19 6 8 | 15°54'32 | 10♊21 | 10°59 | 12°37 | 25° 4 | 16° 6 | 28°59 | 27°11 | 13°39 | 15°44 | 3°41 | 4° 3 | 25°24 | 19°32 | F 3 |
| S 4 | 19 10 4 | 16°51'49 | 22°57 | 12°20 | 13°51 | 25°42 | 16°15 | 28°57 | 27°14 | 13°41 | 15°44 | 3°30 | 4° 0 | 25°31 | 19°35 | S 4 |
| S 5 | 19 14 1 | 17°49'07 | 5♋23 | 13°38 | 15° 5 | 26°21 | 16°24 | 28°55 | 27°16 | 13°43 | 15°44 | 3°18 | 3°56 | 25°38 | 19°38 | S 5 |
| M 6 | 19 17 58 | 18°46'25 | 17°39 | 14°55 | 16°19 | 26°59 | 16°34 | 28°53 | 27°19 | 13°45 | 15°44 | 3° 5 | 3°53 | 25°44 | 19°41 | M 6 |
| T 7 | 19 21 54 | 19°43'44 | 29°45 | 16° 9 | 17°32 | 27°37 | 16°43 | 28°51 | 27°21 | 13°47 | 15°44 | 2°52 | 3°50 | 25°51 | 19°43 | T 7 |
| W 8 | 19 25 51 | 20°41'04 | 11♌44 | 17°21 | 18°46 | 28°15 | 16°53 | 28°49 | 27°24 | 13°49 | 15°44 | 2°42 | 3°47 | 25°58 | 19°46 | W 8 |
| T 9 | 19 29 47 | 21°38'25 | 23°36 | 18°30 | 20° 0 | 28°54 | 17° 2 | 28°47 | 27°26 | 13°51 | 15°44 | 2°33 | 3°44 | 26° 4 | 19°49 | T 9 |
| F 10 | 19 33 44 | 22°35'46 | 5♍24 | 19°37 | 21°14 | 29°32 | 17°12 | 28°45 | 27°28 | 13°53 | 15°R44 | 2°27 | 3°41 | 26°11 | 19°51 | F 10 |
| S 11 | 19 37 40 | 23°33'08 | 17°11 | 20°42 | 22°28 | 0♌10 | 17°22 | 28°43 | 27°31 | 13°55 | 15°44 | 2°24 | 3°37 | 26°18 | 19°54 | S 11 |
| S 12 | 19 41 37 | 24°30'31 | 29° 2 | 21°43 | 23°42 | 0°48 | 17°32 | 28°42 | 27°33 | 13°57 | 15°44 | 2°D23 | 3°34 | 26°24 | 19°56 | S 12 |
| M13 | 19 45 33 | 25°27'54 | 11♎ 0 | 22°42 | 24°56 | 1°26 | 17°42 | 28°40 | 27°35 | 13°59 | 15°44 | 2°23 | 3°31 | 26°31 | 19°58 | M13 |
| T 14 | 19 49 30 | 26°25'18 | 23°12 | 23°38 | 26°10 | 2° 4 | 17°52 | 28°39 | 27°37 | 14° 2 | 15°44 | 2°R24 | 3°28 | 26°38 | 20° 1 | T 14 |
| W15 | 19 53 27 | 27°22'43 | 5♏42 | 24°31 | 27°24 | 2°43 | 18° 2 | 28°38 | 27°39 | 14° 4 | 15°44 | 2°23 | 3°25 | 26°44 | 20° 3 | W15 |
| T 16 | 19 57 23 | 28°20'08 | 18°35 | 25°21 | 28°38 | 3°21 | 18°13 | 28°37 | 27°42 | 14° 6 | 15°44 | 2°22 | 3°21 | 26°51 | 20° 5 | T 16 |
| F 17 | 20 1 20 | 29°17'35 | 1♐55 | 26° 8 | 29°52 | 3°59 | 18°23 | 28°36 | 27°44 | 14° 8 | 15°44 | 2°18 | 3°18 | 26°58 | 20° 7 | F 17 |
| S 18 | 20 5 16 | 0♌15'02 | 15°45 | 26°51 | 1♌ 6 | 4°37 | 18°33 | 28°35 | 27°46 | 14°10 | 15°44 | 2°11 | 3°15 | 27° 4 | 20°10 | S 18 |
| S 19 | 20 9 13 | 1°12'30 | 0♑ 3 | 27°30 | 2°21 | 5°15 | 18°44 | 28°34 | 27°48 | 14°12 | 15°44 | 2° 4 | 3°12 | 27°11 | 20°12 | S 19 |
| M20 | 20 13 9 | 2° 9'59 | 14°47 | 28° 6 | 3°35 | 5°54 | 18°55 | 28°33 | 27°50 | 14°15 | 15°43 | 1°55 | 3° 9 | 27°18 | 20°14 | M20 |
| T 21 | 20 17 6 | 3° 7'28 | 29°48 | 28°37 | 4°49 | 6°32 | 19° 5 | 28°32 | 27°52 | 14°17 | 15°43 | 1°46 | 3° 6 | 27°24 | 20°16 | T 21 |
| W22 | 20 21 2 | 4° 4'59 | 14♒58 | 29° 5 | 6° 3 | 7°10 | 19°16 | 28°31 | 27°53 | 14°19 | 15°43 | 1°38 | 3° 2 | 27°31 | 20°18 | W22 |
| T 23 | 20 24 59 | 5° 2'32 | 0♓ 7 | 29°28 | 7°17 | 7°48 | 19°27 | 28°31 | 27°55 | 14°21 | 15°43 | 1°33 | 2°59 | 27°38 | 20°19 | T 23 |
| F 24 | 20 28 56 | 6° 0'05 | 15° 5 | 29°46 | 8°31 | 8°26 | 19°38 | 28°30 | 27°57 | 14°23 | 15°42 | 1°30 | 2°56 | 27°44 | 20°21 | F 24 |
| S 25 | 20 32 52 | 6°57'40 | 29°45 | 29°59 | 9°45 | 9° 4 | 19°49 | 28°30 | 27°59 | 14°26 | 15°42 | 1°D29 | 2°53 | 27°51 | 20°23 | S 25 |
| S 26 | 20 36 49 | 7°55'17 | 14♈ 2 | 0♍ 7 | 11° 0 | 9°43 | 20° 0 | 28°30 | 28° 0 | 14°28 | 15°42 | 1°29 | 2°50 | 27°58 | 20°25 | S 26 |
| M27 | 20 40 45 | 8°52'55 | 27°56 | 0°R10 | 12°14 | 10°21 | 20°11 | 28°30 | 28° 2 | 14°30 | 15°42 | 1°30 | 2°47 | 28° 4 | 20°26 | M27 |
| T 28 | 20 44 42 | 9°50'35 | 11♉26 | 0° 7 | 13°28 | 10°59 | 20°22 | 28°D30 | 28° 4 | 14°32 | 15°41 | 1°R30 | 2°43 | 28°11 | 20°28 | T 28 |
| W29 | 20 48 38 | 10°48'16 | 24°35 | 29♌59 | 14°42 | 11°37 | 20°33 | 28°30 | 28° 5 | 14°34 | 15°41 | 1°29 | 2°40 | 28°18 | 20°29 | W29 |
| T 30 | 20 52 35 | 11°45'59 | 7♊27 | 29°46 | 15°56 | 12°15 | 20°45 | 28°30 | 28° 7 | 14°37 | 15°40 | 1°26 | 2°37 | 28°24 | 20°31 | T 30 |
| F 31 | 20 56 31 | 12♌43'44 | 20♊ 2 | 29♌26 | 17♌11 | 12♌53 | 20♍56 | 28♏30 | 28♉ 8 | 14♌39 | 15♈40 | 1♎21 | 2♎34 | 28♌31 | 20♉32 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22n49 | 13n 9 | 3s17 | 19n 7 | 0n50 | 23n47 | 0n37 | 22n34 | 1n 8 | 6n47 | 1n15 | 18s15 | 1n51 | 19n25 | 0s11 | 17n12 | 0n24 | 9s33 | 17s 5 | 1s34 | 1s39 | 10n 8 | 15n54 | 1s50 | |
| T 2 | 22 43 | 15 45 | 4 4 | 18 37 | 0 42 | 23 43 | 0 39 | 22 27 | 1 8 | 6 43 | 1 15 | 18 14 | 1 50 | 19 26 | 0 11 | 17 12 | 0 24 | 9 33 | 17 6 | 1 31 | 1 38 | 10 7 | 15 55 | 1 50 | |
| F 3 | 22 36 | 17 32 | 4 37 | 18 6 | 0 34 | 23 38 | 0 41 | 22 20 | 1 8 | 6 39 | 1 15 | 18 14 | 1 50 | 19 27 | 0 11 | 17 11 | 0 24 | 9 33 | 17 6 | 1 28 | 1 37 | 10 5 | 15 55 | 1 51 | |
| S 4 | 22 29 | 18 26 | 4 56 | 17 35 | 0 25 | 23 33 | 0 43 | 22 13 | 1 8 | 6 36 | 1 15 | 18 14 | 1 50 | 19 27 | 0 11 | 17 10 | 0 24 | 9 33 | 17 6 | 1 24 | 1 36 | 10 3 | 15 56 | 1 51 | |
| S 5 | 22 22 | 18 26 | 5 1 | 17 4 | 0 16 | 23 27 | 0 45 | 22 6 | 1 8 | 6 32 | 1 15 | 18 14 | 1 50 | 19 28 | 0 11 | 17 10 | 0 24 | 9 34 | 17 7 | 1 19 | 1 34 | 10 2 | 15 57 | 1 51 | |
| M 6 | 22 14 | 17 34 | 4 52 | 16 32 | 0 6 | 23 20 | 0 47 | 21 59 | 1 8 | 6 28 | 1 14 | 18 13 | 1 50 | 19 28 | 0 11 | 17 9 | 0 24 | 9 34 | 17 7 | 1 14 | 1 33 | 10 0 | 15 57 | 1 51 | |
| T 7 | 22 6 | 15 55 | 4 29 | 16 1 | 0s 4 | 23 13 | 0 49 | 21 51 | 1 8 | 6 24 | 1 14 | 18 13 | 1 49 | 19 29 | 0 11 | 17 9 | 0 24 | 9 34 | 17 7 | 1 9 | 1 32 | 9 59 | 15 58 | 1 51 | |
| W 8 | 21 57 | 13 35 | 3 55 | 15 29 | 0 14 | 23 5 | 0 51 | 21 44 | 1 8 | 6 20 | 1 14 | 18 13 | 1 49 | 19 29 | 0 11 | 17 8 | 0 24 | 9 35 | 17 8 | 1 5 | 1 31 | 9 57 | 15 58 | 1 52 | |
| T 9 | 21 48 | 10 43 | 3 11 | 14 58 | 0 24 | 22 56 | 0 53 | 21 36 | 1 8 | 6 17 | 1 14 | 18 13 | 1 49 | 19 30 | 0 11 | 17 8 | 0 24 | 9 35 | 17 8 | 1 1 | 1 29 | 9 55 | 15 59 | 1 52 | |
| F 10 | 21 39 | 7 26 | 2 18 | 14 27 | 0 35 | 22 46 | 0 55 | 21 28 | 1 9 | 6 13 | 1 14 | 18 13 | 1 49 | 19 30 | 0 11 | 17 7 | 0 24 | 9 35 | 17 8 | 0 59 | 1 28 | 9 54 | 15 59 | 1 52 | |
| S 11 | 21 29 | 3 51 | 1 20 | 13 56 | 0 46 | 22 36 | 0 57 | 21 20 | 1 9 | 6 9 | 1 14 | 18 12 | 1 48 | 19 31 | 0 11 | 17 6 | 0 24 | 9 36 | 17 9 | 0 58 | 1 27 | 9 52 | 16 0 | 1 52 | |
| S 12 | 21 19 | 0 7 | 0 18 | 13 26 | 0 57 | 22 25 | 0 58 | 21 11 | 1 9 | 6 5 | 1 13 | 18 12 | 1 48 | 19 32 | 0 11 | 17 6 | 0 24 | 9 36 | 17 9 | 0 57 | 1 26 | 9 51 | 16 0 | 1 52 | |
| M13 | 21 9 | 3s40 | 0n46 | 12 56 | 1 8 | 22 14 | 1 0 | 21 3 | 1 9 | 6 0 | 1 13 | 18 12 | 1 48 | 19 32 | 0 11 | 17 5 | 0 24 | 9 36 | 17 9 | 0 57 | 1 24 | 9 49 | 16 1 | 1 53 | |
| T 14 | 20 58 | 7 22 | 1 49 | 12 27 | 1 20 | 22 2 | 1 2 | 20 54 | 1 9 | 5 56 | 1 13 | 18 12 | 1 48 | 19 33 | 0 11 | 17 4 | 0 24 | 9 37 | 17 10 | 0 57 | 1 23 | 9 48 | 16 1 | 1 53 | |
| W15 | 20 47 | 10 50 | 2 48 | 11 58 | 1 31 | 21 49 | 1 3 | 20 46 | 1 9 | 5 52 | 1 13 | 18 12 | 1 48 | 19 33 | 0 11 | 17 4 | 0 24 | 9 37 | 17 10 | 0 57 | 1 22 | 9 46 | 16 2 | 1 53 | |
| T 16 | 20 36 | 13 54 | 3 41 | 11 31 | 1 43 | 21 35 | 1 5 | 20 37 | 1 9 | 5 48 | 1 13 | 18 12 | 1 47 | 19 34 | 0 11 | 17 3 | 0 24 | 9 37 | 17 10 | 0 57 | 1 20 | 9 44 | 16 2 | 1 53 | |
| F 17 | 20 24 | 16 20 | 4 23 | 11 4 | 1 55 | 21 21 | 1 6 | 20 28 | 1 9 | 5 44 | 1 13 | 18 12 | 1 47 | 19 34 | 0 11 | 17 3 | 0 24 | 9 38 | 17 11 | 0 55 | 1 19 | 9 43 | 16 2 | 1 53 | |
| S 18 | 20 12 | 17 56 | 4 52 | 10 38 | 2 7 | 21 7 | 1 8 | 20 19 | 1 9 | 5 40 | 1 13 | 18 12 | 1 47 | 19 34 | 0 11 | 17 2 | 0 24 | 9 38 | 17 11 | 0 53 | 1 18 | 9 41 | 16 3 | 1 54 | |
| S 19 | 19 59 | 18 29 | 5 5 | 10 13 | 2 19 | 20 51 | 1 9 | 20 10 | 1 9 | 5 35 | 1 13 | 18 12 | 1 47 | 19 35 | 0 11 | 17 1 | 0 24 | 9 38 | 17 11 | 0 49 | 1 17 | 9 40 | 16 3 | 1 54 | |
| M20 | 19 46 | 17 48 | 4 57 | 9 50 | 2 31 | 20 35 | 1 11 | 20 0 | 1 9 | 5 31 | 1 12 | 18 12 | 1 46 | 19 35 | 0 11 | 17 1 | 0 24 | 9 39 | 17 12 | 0 46 | 1 15 | 9 38 | 16 3 | 1 54 | |
| T 21 | 19 33 | 15 54 | 4 29 | 9 28 | 2 43 | 20 19 | 1 12 | 19 51 | 1 9 | 5 27 | 1 12 | 18 12 | 1 46 | 19 36 | 0 11 | 17 0 | 0 24 | 9 39 | 17 12 | 0 42 | 1 14 | 9 36 | 16 4 | 1 54 | |
| W22 | 19 20 | 12 52 | 3 43 | 9 7 | 2 55 | 20 2 | 1 13 | 19 41 | 1 9 | 5 22 | 1 12 | 18 12 | 1 46 | 19 36 | 0 11 | 16 59 | 0 24 | 9 40 | 17 12 | 0 39 | 1 13 | 9 35 | 16 4 | 1 54 | |
| T 23 | 19 6 | 8 59 | 2 40 | 8 48 | 3 6 | 19 44 | 1 14 | 19 31 | 1 9 | 5 18 | 1 12 | 18 12 | 1 46 | 19 37 | 0 11 | 16 59 | 0 24 | 9 40 | 17 13 | 0 37 | 1 12 | 9 33 | 16 4 | 1 55 | |
| F 24 | 18 52 | 4 34 | 1 27 | 8 32 | 3 18 | 19 26 | 1 15 | 19 21 | 1 9 | 5 14 | 1 12 | 18 12 | 1 46 | 19 37 | 0 11 | 16 58 | 0 24 | 9 40 | 17 13 | 0 36 | 1 10 | 9 32 | 16 5 | 1 55 | |
| S 25 | 18 37 | 0n 2 | 0 9 | 8 17 | 3 29 | 19 7 | 1 17 | 19 11 | 1 9 | 5 9 | 1 12 | 18 13 | 1 45 | 19 37 | 0 11 | 16 58 | 0 24 | 9 41 | 17 13 | 0 35 | 1 9 | 9 30 | 16 5 | 1 55 | |
| S 26 | 18 22 | 4 32 | 1s 7 | 8 4 | 3 39 | 18 48 | 1 18 | 19 1 | 1 9 | 5 5 | 1 12 | 18 13 | 1 45 | 19 38 | 0 11 | 16 57 | 0 24 | 9 41 | 17 14 | 0 36 | 1 8 | 9 28 | 16 5 | 1 55 | |
| M27 | 18 7 | 8 39 | 2 17 | 7 53 | 3 49 | 18 28 | 1 19 | 18 50 | 1 9 | 5 0 | 1 12 | 18 13 | 1 45 | 19 38 | 0 11 | 16 56 | 0 24 | 9 42 | 17 14 | 0 36 | 1 7 | 9 27 | 16 5 | 1 55 | |
| T 28 | 17 52 | 12 12 | 3 18 | 7 45 | 3 59 | 18 8 | 1 19 | 18 40 | 1 9 | 4 56 | 1 11 | 18 13 | 1 45 | 19 39 | 0 11 | 16 56 | 0 24 | 9 42 | 17 14 | 0 36 | 1 5 | 9 25 | 16 5 | 1 56 | |
| W29 | 17 36 | 15 1 | 4 7 | 7 40 | 4 8 | 17 47 | 1 20 | 18 29 | 1 9 | 4 51 | 1 11 | 18 13 | 1 44 | 19 39 | 0 11 | 16 55 | 0 24 | 9 42 | 17 15 | 0 36 | 1 4 | 9 24 | 16 6 | 1 56 | |
| T 30 | 17 20 | 17 2 | 4 41 | 7 37 | 4 15 | 17 25 | 1 21 | 18 19 | 1 9 | 4 46 | 1 11 | 18 14 | 1 44 | 19 39 | 0 11 | 16 54 | 0 24 | 9 43 | 17 15 | 0 35 | 1 3 | 9 22 | 16 6 | 1 56 | |
| F 31 | 17n 4 | 18n10 | 5s 2 | 7n38 | 4s22 | 17n 3 | 1n22 | 18n 8 | 1n 9 | 4n42 | 1n11 | 18s14 | 1n44 | 19n40 | 0s11 | 16n54 | 0n24 | 9s43 | 17s15 | 0s33 | 1s 1 | 9n20 | 16n 6 | 1s56 | |

Julian Day Number = 2124109.5, Delta T = 17m31s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'32, Lahiri = 11°21'33 Julian Calendar 1 July 1103 == Greg. Calendar 8 July 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## AUGUST 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 0 28 | 13♌41'31 | 2♋25 | 29°R 1 | 18♌25 | 13♌32 | 21♍ 8 | 28♏30 | 28♉10 | 14♌41 | 15°R40 | 1°R15 | 2♎31 | 28♌38 | 20♉33 | S 1 |
| S 2 | 21 4 25 | 14°39'19 | 14°38 | 28♌30 | 19°39 | 14°10 | 21°19 | 28°31 | 28°11 | 14°43 | 15♈39 | 1♎ 6 | 2°27 | 28°44 | 20°35 | S 2 |
| M 3 | 21 8 21 | 15°37'08 | 26°42 | 27°54 | 20°54 | 14°48 | 21°31 | 28°31 | 28°12 | 14°46 | 15°39 | 0°58 | 2°24 | 28°51 | 20°36 | M 3 |
| T 4 | 21 12 18 | 16°35'00 | 8♌39 | 27°14 | 22° 8 | 15°26 | 21°42 | 28°32 | 28°14 | 14°48 | 15°38 | 0°49 | 2°21 | 28°58 | 20°37 | T 4 |
| W 5 | 21 16 14 | 17°32'52 | 20°31 | 26°28 | 23°22 | 16° 4 | 21°54 | 28°33 | 28°15 | 14°50 | 15°38 | 0°42 | 2°18 | 29° 4 | 20°38 | W 5 |
| T 6 | 21 20 11 | 18°30'47 | 2♍20 | 25°39 | 24°37 | 16°43 | 22° 6 | 28°34 | 28°16 | 14°52 | 15°37 | 0°37 | 2°15 | 29°11 | 20°39 | T 6 |
| F 7 | 21 24 7 | 19°28'42 | 14° 7 | 24°47 | 25°51 | 17°21 | 22°18 | 28°35 | 28°17 | 14°54 | 15°37 | 0°34 | 2°12 | 29°18 | 20°40 | F 7 |
| S 8 | 21 28 4 | 20°26'40 | 25°56 | 23°53 | 27° 5 | 17°59 | 22°30 | 28°36 | 28°18 | 14°57 | 15°36 | 0°D32 | 2° 8 | 29°24 | 20°41 | S 8 |
| S 9 | 21 32 0 | 21°24'38 | 7♎49 | 22°58 | 28°20 | 18°37 | 22°41 | 28°37 | 28°19 | 14°59 | 15°35 | 0°32 | 2° 5 | 29°31 | 20°42 | S 9 |
| M10 | 21 35 57 | 22°22'39 | 19°50 | 22° 2 | 29°34 | 19°15 | 22°53 | 28°38 | 28°20 | 15° 1 | 15°35 | 0°33 | 2° 2 | 29°38 | 20°42 | M10 |
| T 11 | 21 39 54 | 23°20'40 | 2♏ 2 | 21° 8 | 0♍49 | 19°54 | 23° 5 | 28°39 | 28°21 | 15° 3 | 15°34 | 0°35 | 1°59 | 29°44 | 20°43 | T 11 |
| W12 | 21 43 50 | 24°18'43 | 14°31 | 20°16 | 2° 3 | 20°32 | 23°18 | 28°41 | 28°22 | 15° 5 | 15°34 | 0°36 | 1°56 | 29°51 | 20°44 | W12 |
| T 13 | 21 47 47 | 25°16'48 | 27°21 | 19°28 | 3°17 | 21°10 | 23°30 | 28°42 | 28°23 | 15° 8 | 15°33 | 0°R37 | 1°53 | 29°58 | 20°44 | T 13 |
| F 14 | 21 51 43 | 26°14'54 | 10♐36 | 18°44 | 4°32 | 21°48 | 23°42 | 28°44 | 28°24 | 15°10 | 15°32 | 0°36 | 1°49 | 0♍ 4 | 20°45 | F 14 |
| S 15 | 21 55 40 | 27°13'01 | 24°19 | 18° 6 | 5°46 | 22°27 | 23°54 | 28°45 | 28°25 | 15°12 | 15°31 | 0°33 | 1°46 | 0°11 | 20°45 | S 15 |
| S 16 | 21 59 36 | 28°11'10 | 8♑30 | 17°34 | 7° 1 | 23° 5 | 24° 6 | 28°47 | 28°25 | 15°14 | 15°31 | 0°30 | 1°43 | 0°18 | 20°46 | S 16 |
| M17 | 22 3 33 | 29° 9'21 | 23° 7 | 17°10 | 8°15 | 23°43 | 24°19 | 28°49 | 28°26 | 15°16 | 15°30 | 0°26 | 1°40 | 0°24 | 20°46 | M17 |
| T 18 | 22 7 29 | 0♍ 7'33 | 8♒ 5 | 16°54 | 9°29 | 24°21 | 24°31 | 28°51 | 28°27 | 15°19 | 15°29 | 0°21 | 1°37 | 0°31 | 20°46 | T 18 |
| W19 | 22 11 26 | 1° 5'47 | 23°17 | 16°D46 | 10°44 | 25° 0 | 24°43 | 28°53 | 28°27 | 15°21 | 15°29 | 0°17 | 1°33 | 0°38 | 20°46 | W19 |
| T 20 | 22 15 23 | 2° 4'02 | 8♓32 | 16°48 | 11°58 | 25°38 | 24°56 | 28°55 | 28°28 | 15°23 | 15°28 | 0°15 | 1°30 | 0°44 | 20°46 | T 20 |
| F 21 | 22 19 19 | 3° 2'19 | 23°41 | 16°58 | 13°13 | 26°16 | 25° 8 | 28°57 | 28°28 | 15°25 | 15°27 | 0°D14 | 1°27 | 0°51 | 20°R46 | F 21 |
| S 22 | 22 23 16 | 4° 0'39 | 8♈34 | 17°17 | 14°27 | 26°54 | 25°21 | 29° 0 | 28°28 | 15°27 | 15°26 | 0°14 | 1°24 | 0°58 | 20°46 | S 22 |
| S 23 | 22 27 12 | 4°59'00 | 23° 5 | 17°45 | 15°42 | 27°33 | 25°33 | 29° 2 | 28°29 | 15°29 | 15°25 | 0°15 | 1°21 | 1° 4 | 20°46 | S 23 |
| M24 | 22 31 9 | 5°57'23 | 7♉10 | 18°22 | 16°56 | 28°11 | 25°46 | 29° 5 | 28°29 | 15°31 | 15°25 | 0°16 | 1°18 | 1°11 | 20°46 | M24 |
| T 25 | 22 35 5 | 6°55'49 | 20°49 | 19° 7 | 18°11 | 28°49 | 25°58 | 29° 7 | 28°29 | 15°34 | 15°24 | 0°17 | 1°14 | 1°18 | 20°46 | T 25 |
| W26 | 22 39 2 | 7°54'17 | 4♊ 2 | 20° 0 | 19°25 | 29°27 | 26°11 | 29°10 | 28°29 | 15°36 | 15°23 | 0°R18 | 1°11 | 1°24 | 20°46 | W26 |
| T 27 | 22 42 58 | 8°52'47 | 16°53 | 21° 1 | 20°40 | 0♍ 6 | 26°24 | 29°13 | 28°30 | 15°38 | 15°22 | 0°18 | 1° 8 | 1°31 | 20°45 | T 27 |
| F 28 | 22 46 55 | 9°51'20 | 29°24 | 22° 8 | 21°54 | 0°44 | 26°36 | 29°16 | 28°30 | 15°40 | 15°21 | 0°17 | 1° 5 | 1°38 | 20°45 | F 28 |
| S 29 | 22 50 51 | 10°49'54 | 11♋41 | 23°22 | 23° 9 | 1°22 | 26°49 | 29°19 | 28°R30 | 15°42 | 15°20 | 0°15 | 1° 2 | 1°44 | 20°44 | S 29 |
| S 30 | 22 54 48 | 11°48'31 | 23°46 | 24°42 | 24°23 | 2° 1 | 27° 2 | 29°22 | 28°30 | 15°44 | 15°19 | 0°12 | 0°58 | 1°51 | 20°44 | S 30 |
| M31 | 22 58 45 | 12♍47'10 | 5♌42 | 26♌ 8 | 25♍38 | 2♍39 | 27♍15 | 29♏25 | 28♉30 | 15♌46 | 15♈18 | 0♎ 9 | 0♎55 | 1♍58 | 20♉43 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 16n48 | 18n24 | 5s 8 | 7n41 | 4s28 | 16n41 | 1n22 | 17n57 | 1n 9 | 4n37 | 1n11 | 18s14 | 1n44 | 19n40 | 0s11 | 16n53 | 0n24 | 9s44 | 17s16 | 0s30 | 1s 0 | 9n19 | 16n 6 | 1s56 | |
| S 2 | 16 31 | 17 47 | 4 59 | 7 47 | 4 33 | 16 18 | 1 23 | 17 46 | 1 9 | 4 33 | 1 11 | 18 14 | 1 44 | 19 40 | 0 11 | 16 52 | 0 24 | 9 44 | 17 16 | 0 27 | 0 59 | 9 17 | 16 6 | 1 57 | |
| M 3 | 16 14 | 16 22 | 4 38 | 7 57 | 4 36 | 15 55 | 1 24 | 17 34 | 1 9 | 4 28 | 1 11 | 18 15 | 1 43 | 19 40 | 0 11 | 16 52 | 0 24 | 9 45 | 17 16 | 0 23 | 0 58 | 9 15 | 16 6 | 1 57 | |
| T 4 | 15 56 | 14 16 | 4 4 | 8 9 | 4 37 | 15 31 | 1 24 | 17 23 | 1 9 | 4 23 | 1 11 | 18 15 | 1 43 | 19 41 | 0 11 | 16 51 | 0 24 | 9 45 | 17 17 | 0 20 | 0 56 | 9 14 | 16 6 | 1 57 | |
| W 5 | 15 39 | 11 34 | 3 20 | 8 24 | 4 37 | 15 7 | 1 24 | 17 12 | 1 9 | 4 18 | 1 11 | 18 16 | 1 43 | 19 41 | 0 11 | 16 51 | 0 24 | 9 46 | 17 17 | 0 17 | 0 55 | 9 12 | 16 7 | 1 57 | |
| T 6 | 15 21 | 8 24 | 2 27 | 8 43 | 4 35 | 14 43 | 1 25 | 17 0 | 1 9 | 4 14 | 1 11 | 18 16 | 1 43 | 19 41 | 0 11 | 16 50 | 0 24 | 9 46 | 17 17 | 0 15 | 0 54 | 9 11 | 16 7 | 1 58 | |
| F 7 | 15 3 | 4 55 | 1 28 | 9 4 | 4 31 | 14 18 | 1 25 | 16 48 | 1 9 | 4 9 | 1 10 | 18 16 | 1 42 | 19 42 | 0 11 | 16 49 | 0 24 | 9 47 | 17 17 | 0 13 | 0 53 | 9 9 | 16 7 | 1 58 | |
| S 8 | 14 45 | 1 15 | 0 25 | 9 27 | 4 25 | 13 52 | 1 25 | 16 37 | 1 9 | 4 4 | 1 10 | 18 17 | 1 42 | 19 42 | 0 11 | 16 49 | 0 24 | 9 47 | 17 18 | 0 13 | 0 51 | 9 7 | 16 7 | 1 58 | |
| S 9 | 14 26 | 2s30 | 0n40 | 9 52 | 4 17 | 13 27 | 1 25 | 16 25 | 1 9 | 3 59 | 1 10 | 18 17 | 1 42 | 19 42 | 0 11 | 16 48 | 0 24 | 9 48 | 17 18 | 0 13 | 0 50 | 9 6 | 16 7 | 1 58 | |
| M10 | 14 7 | 6 12 | 1 43 | 10 19 | 4 8 | 13 1 | 1 25 | 16 13 | 1 9 | 3 55 | 1 10 | 18 18 | 1 42 | 19 42 | 0 11 | 16 47 | 0 24 | 9 48 | 17 18 | 0 13 | 0 49 | 9 4 | 16 7 | 1 58 | |
| T 11 | 13 48 | 9 41 | 2 44 | 10 47 | 3 56 | 12 34 | 1 25 | 16 1 | 1 9 | 3 50 | 1 10 | 18 18 | 1 41 | 19 42 | 0 11 | 16 47 | 0 24 | 9 49 | 17 19 | 0 14 | 0 47 | 9 2 | 16 7 | 1 59 | |
| W12 | 13 29 | 12 49 | 3 37 | 11 16 | 3 43 | 12 7 | 1 25 | 15 48 | 1 9 | 3 45 | 1 10 | 18 19 | 1 41 | 19 43 | 0 11 | 16 46 | 0 24 | 9 49 | 17 19 | 0 15 | 0 46 | 9 1 | 16 7 | 1 59 | |
| T 13 | 13 9 | 15 25 | 4 22 | 11 45 | 3 28 | 11 40 | 1 25 | 15 36 | 1 9 | 3 40 | 1 10 | 18 19 | 1 41 | 19 43 | 0 11 | 16 45 | 0 24 | 9 50 | 17 19 | 0 15 | 0 45 | 8 59 | 16 6 | 1 59 | |
| F 14 | 12 50 | 17 17 | 4 54 | 12 14 | 3 13 | 11 13 | 1 25 | 15 24 | 1 9 | 3 35 | 1 10 | 18 20 | 1 41 | 19 43 | 0 11 | 16 45 | 0 24 | 9 50 | 17 19 | 0 14 | 0 44 | 8 58 | 16 6 | 1 59 | |
| S 15 | 12 30 | 18 15 | 5 11 | 12 42 | 2 55 | 10 45 | 1 25 | 15 11 | 1 9 | 3 30 | 1 10 | 18 21 | 1 41 | 19 43 | 0 11 | 16 44 | 0 24 | 9 51 | 17 20 | 0 13 | 0 42 | 8 56 | 16 6 | 2 0 | |
| S 16 | 12 10 | 18 8 | 5 10 | 13 8 | 2 37 | 10 17 | 1 25 | 14 58 | 1 9 | 3 25 | 1 10 | 18 21 | 1 40 | 19 43 | 0 11 | 16 43 | 0 24 | 9 51 | 17 20 | 0 12 | 0 41 | 8 54 | 16 6 | 2 0 | |
| M17 | 11 49 | 16 49 | 4 49 | 13 33 | 2 19 | 9 49 | 1 24 | 14 46 | 1 9 | 3 20 | 1 10 | 18 22 | 1 40 | 19 43 | 0 11 | 16 43 | 0 24 | 9 52 | 17 20 | 0 10 | 0 40 | 8 53 | 16 6 | 2 0 | |
| T 18 | 11 29 | 14 20 | 4 8 | 13 56 | 2 0 | 9 20 | 1 24 | 14 33 | 1 9 | 3 15 | 1 10 | 18 22 | 1 40 | 19 44 | 0 11 | 16 42 | 0 24 | 9 52 | 17 20 | 0 8 | 0 39 | 8 51 | 16 6 | 2 0 | |
| W19 | 11 8 | 10 51 | 3 9 | 14 17 | 1 41 | 8 52 | 1 23 | 14 20 | 1 9 | 3 10 | 1 10 | 18 23 | 1 40 | 19 44 | 0 11 | 16 42 | 0 24 | 9 53 | 17 21 | 0 7 | 0 37 | 8 49 | 16 6 | 2 0 | |
| T 20 | 10 47 | 6 36 | 1 56 | 14 34 | 1 22 | 8 23 | 1 23 | 14 7 | 1 9 | 3 5 | 1 10 | 18 24 | 1 39 | 19 44 | 0 11 | 16 41 | 0 24 | 9 53 | 17 21 | 0 6 | 0 36 | 8 48 | 16 5 | 2 1 | |
| F 21 | 10 26 | 1 58 | 0 36 | 14 49 | 1 4 | 7 53 | 1 22 | 13 54 | 1 9 | 3 0 | 1 9 | 18 24 | 1 39 | 19 44 | 0 11 | 16 40 | 0 24 | 9 54 | 17 21 | 0 5 | 0 35 | 8 46 | 16 5 | 2 1 | |
| S 22 | 10 5 | 2n43 | 0s46 | 15 0 | 0 46 | 7 24 | 1 21 | 13 41 | 1 9 | 2 55 | 1 9 | 18 25 | 1 39 | 19 44 | 0 11 | 16 40 | 0 24 | 9 54 | 17 21 | 0 5 | 0 34 | 8 45 | 16 5 | 2 1 | |
| S 23 | 9 44 | 7 7 | 2 3 | 15 8 | 0 28 | 6 54 | 1 21 | 13 27 | 1 9 | 2 50 | 1 9 | 18 26 | 1 39 | 19 44 | 0 11 | 16 39 | 0 24 | 9 55 | 17 22 | 0 6 | 0 32 | 8 43 | 16 5 | 2 1 | |
| M24 | 9 22 | 10 59 | 3 10 | 15 13 | 0 11 | 6 24 | 1 20 | 13 14 | 1 9 | 2 45 | 1 9 | 18 27 | 1 39 | 19 44 | 0 11 | 16 38 | 0 24 | 9 55 | 17 22 | 0 6 | 0 31 | 8 41 | 16 5 | 2 2 | |
| T 25 | 9 1 | 14 7 | 4 4 | 15 14 | 0n 4 | 5 54 | 1 19 | 13 1 | 1 8 | 2 40 | 1 9 | 18 27 | 1 38 | 19 44 | 0 11 | 16 38 | 0 24 | 9 56 | 17 22 | 0 7 | 0 30 | 8 40 | 16 4 | 2 2 | |
| W26 | 8 39 | 16 25 | 4 43 | 15 11 | 0 19 | 5 24 | 1 18 | 12 47 | 1 8 | 2 35 | 1 9 | 18 28 | 1 38 | 19 44 | 0 11 | 16 37 | 0 24 | 9 56 | 17 22 | 0 7 | 0 28 | 8 38 | 16 4 | 2 2 | |
| T 27 | 8 17 | 17 49 | 5 7 | 15 5 | 0 33 | 4 54 | 1 17 | 12 33 | 1 8 | 2 30 | 1 9 | 18 29 | 1 38 | 19 44 | 0 11 | 16 37 | 0 24 | 9 57 | 17 23 | 0 7 | 0 27 | 8 36 | 16 4 | 2 2 | |
| F 28 | 7 55 | 18 18 | 5 16 | 14 55 | 0 46 | 4 23 | 1 16 | 12 20 | 1 8 | 2 25 | 1 9 | 18 30 | 1 38 | 19 44 | 0 11 | 16 36 | 0 24 | 9 57 | 17 23 | 0 7 | 0 26 | 8 35 | 16 3 | 2 3 | |
| S 29 | 7 32 | 17 54 | 5 9 | 14 41 | 0 57 | 3 53 | 1 15 | 12 6 | 1 8 | 2 20 | 1 9 | 18 31 | 1 37 | 19 44 | 0 11 | 16 35 | 0 24 | 9 58 | 17 23 | 0 6 | 0 25 | 8 33 | 16 3 | 2 3 | |
| S 30 | 7 10 | 16 42 | 4 49 | 14 25 | 1 8 | 3 22 | 1 13 | 11 52 | 1 8 | 2 14 | 1 9 | 18 32 | 1 37 | 19 44 | 0 11 | 16 35 | 0 24 | 9 58 | 17 23 | 0 5 | 0 23 | 8 31 | 16 3 | 2 3 | |
| M31 | 6n47 | 14n47 | 4s17 | 14n 4 | 1n17 | 2n51 | 1n12 | 11n38 | 1n 8 | 2n 9 | 1n 9 | 18s32 | 1n37 | 19n44 | 0s11 | 16n34 | 0n24 | 9s59 | 17s23 | 0s 4 | 0s22 | 8n30 | 16n 2 | 2s 3 | |

Julian Day Number = 2124140.5, Delta T = 17m31s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'36, Lahiri = 11°21'37 Julian Calendar 1 Aug. 1103 == Greg. Calendar 8 Aug. 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## SEPTEMBER 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 2 41 | 13♍45'51 | 17♌33 | 27♌37 | 26♍52 | 3♍17 | 27♍27 | 29♏28 | 28°R29 | 15♌48 | 15°R17 | 0°R 7 | 0♎52 | 2♍ 4 | 20°R43 | T 1 |
| W 2 | 23 6 38 | 14°44'34 | 29°22 | 29°11 | 28° 7 | 3°56 | 27°40 | 29°31 | 28♉29 | 15°50 | 15♈16 | 0♎ 4 | 0°49 | 2°11 | 20♉42 | W 2 |
| T 3 | 23 10 34 | 15°43'20 | 11♍10 | 0♍49 | 29°21 | 4°34 | 27°53 | 29°35 | 28°29 | 15°52 | 15°15 | 0° 3 | 0°46 | 2°18 | 20°41 | T 3 |
| F 4 | 23 14 31 | 16°42'07 | 23° 1 | 2°29 | 0♎36 | 5°13 | 28° 6 | 29°38 | 28°29 | 15°54 | 15°14 | 0° 2 | 0°43 | 2°24 | 20°40 | F 4 |
| S 5 | 23 18 27 | 17°40'56 | 4♎55 | 4°11 | 1°50 | 5°51 | 28°19 | 29°42 | 28°28 | 15°56 | 15°13 | 0°D 2 | 0°39 | 2°31 | 20°39 | S 5 |
| S 6 | 23 22 24 | 18°39'47 | 16°56 | 5°56 | 3° 5 | 6°29 | 28°32 | 29°45 | 28°28 | 15°58 | 15°12 | 0° 3 | 0°36 | 2°38 | 20°38 | S 6 |
| M 7 | 23 26 20 | 19°38'41 | 29° 5 | 7°42 | 4°19 | 7° 8 | 28°45 | 29°49 | 28°28 | 16° 0 | 15°11 | 0° 3 | 0°33 | 2°44 | 20°37 | M 7 |
| T 8 | 23 30 17 | 20°37'36 | 11♏25 | 9°29 | 5°34 | 7°46 | 28°58 | 29°53 | 28°27 | 16° 2 | 15°10 | 0° 4 | 0°30 | 2°51 | 20°36 | T 8 |
| W 9 | 23 34 14 | 21°36'33 | 24° 0 | 11°16 | 6°48 | 8°25 | 29°11 | 29°57 | 28°27 | 16° 4 | 15° 9 | 0° 5 | 0°27 | 2°58 | 20°35 | W 9 |
| T 10 | 23 38 10 | 22°35'32 | 6♐52 | 13° 5 | 8° 3 | 9° 3 | 29°23 | 0♐ 1 | 28°26 | 16° 6 | 15° 8 | 0° 6 | 0°24 | 3° 4 | 20°34 | T 10 |
| F 11 | 23 42 7 | 23°34'32 | 20° 4 | 14°53 | 9°17 | 9°41 | 29°36 | 0° 5 | 28°25 | 16° 7 | 15° 7 | 0°R 6 | 0°20 | 3°11 | 20°32 | F 11 |
| S 12 | 23 46 3 | 24°33'35 | 3♑39 | 16°42 | 10°32 | 10°20 | 29°49 | 0° 9 | 28°25 | 16° 9 | 15° 6 | 0° 6 | 0°17 | 3°18 | 20°31 | S 12 |
| S 13 | 23 50 0 | 25°32'39 | 17°37 | 18°31 | 11°46 | 10°58 | 0♎ 2 | 0°13 | 28°24 | 16°11 | 15° 5 | 0° 6 | 0°14 | 3°24 | 20°30 | S 13 |
| M14 | 23 53 56 | 26°31'45 | 1♒59 | 20°19 | 13° 1 | 11°37 | 0°15 | 0°17 | 28°23 | 16°13 | 15° 4 | 0° 5 | 0°11 | 3°31 | 20°28 | M14 |
| T 15 | 23 57 53 | 27°30'53 | 16°41 | 22° 7 | 14°15 | 12°15 | 0°28 | 0°22 | 28°22 | 16°15 | 15° 3 | 0° 5 | 0° 8 | 3°38 | 20°26 | T 15 |
| W16 | 0 1 49 | 28°30'02 | 1♓38 | 23°54 | 15°30 | 12°54 | 0°41 | 0°26 | 28°21 | 16°16 | 15° 2 | 0° 5 | 0° 4 | 3°44 | 20°25 | W16 |
| T 17 | 0 5 46 | 29°29'14 | 16°43 | 25°41 | 16°44 | 13°32 | 0°54 | 0°30 | 28°20 | 16°18 | 15° 1 | 0° 5 | 0° 1 | 3°51 | 20°23 | T 17 |
| F 18 | 0 9 43 | 0♎28'27 | 1♈47 | 27°27 | 17°59 | 14°11 | 1° 7 | 0°35 | 28°19 | 16°20 | 15° 0 | 0° 5 | 29♍58 | 3°58 | 20°21 | F 18 |
| S 19 | 0 13 39 | 1°27'43 | 16°42 | 29°13 | 19°13 | 14°49 | 1°20 | 0°40 | 28°18 | 16°22 | 14°59 | 0° 5 | 29°55 | 4° 4 | 20°20 | S 19 |
| S 20 | 0 17 36 | 2°27'01 | 1♉19 | 0♎58 | 20°28 | 15°28 | 1°34 | 0°44 | 28°17 | 16°23 | 14°58 | 0° 5 | 29°52 | 4°11 | 20°18 | S 20 |
| M21 | 0 21 32 | 3°26'21 | 15°33 | 2°43 | 21°42 | 16° 6 | 1°47 | 0°49 | 28°16 | 16°25 | 14°56 | 0° 4 | 29°49 | 4°18 | 20°16 | M21 |
| T 22 | 0 25 29 | 4°25'43 | 29°20 | 4°26 | 22°57 | 16°45 | 2° 0 | 0°54 | 28°15 | 16°27 | 14°55 | 0° 4 | 29°45 | 4°24 | 20°14 | T 22 |
| W23 | 0 29 25 | 5°25'08 | 12♊41 | 6° 9 | 24°11 | 17°24 | 2°13 | 0°59 | 28°14 | 16°28 | 14°54 | 0° 3 | 29°42 | 4°31 | 20°12 | W23 |
| T 24 | 0 33 22 | 6°24'35 | 25°37 | 7°51 | 25°26 | 18° 2 | 2°26 | 1° 4 | 28°13 | 16°30 | 14°53 | 0° 3 | 29°39 | 4°38 | 20°10 | T 24 |
| F 25 | 0 37 18 | 7°24'05 | 8♋11 | 9°33 | 26°40 | 18°41 | 2°39 | 1° 9 | 28°11 | 16°31 | 14°52 | 0°D 3 | 29°36 | 4°44 | 20° 8 | F 25 |
| S 26 | 0 41 15 | 8°23'37 | 20°27 | 11°14 | 27°55 | 19°19 | 2°52 | 1°14 | 28°10 | 16°33 | 14°51 | 0° 3 | 29°33 | 4°51 | 20° 6 | S 26 |
| S 27 | 0 45 11 | 9°23'11 | 2♌29 | 12°54 | 29° 9 | 19°58 | 3° 5 | 1°19 | 28° 9 | 16°34 | 14°50 | 0° 4 | 29°29 | 4°58 | 20° 4 | S 27 |
| M28 | 0 49 8 | 10°22'47 | 14°23 | 14°33 | 0♏24 | 20°37 | 3°18 | 1°24 | 28° 7 | 16°36 | 14°49 | 0° 5 | 29°26 | 5° 4 | 20° 1 | M28 |
| T 29 | 0 53 5 | 11°22'26 | 26°11 | 16°12 | 1°38 | 21°15 | 3°31 | 1°30 | 28° 6 | 16°37 | 14°47 | 0° 6 | 29°23 | 5°11 | 19°59 | T 29 |
| W30 | 0 57 1 | 12♎22'07 | 7♍59 | 17♎50 | 2♏53 | 21♍54 | 3♎44 | 1♐35 | 28♉ 4 | 16♌39 | 14♈46 | 0♎ 7 | 29♍20 | 5♍17 | 19♉57 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n25 | 12n15 | 3s34 | 13n41 | 1n25 | 2n20 | 1n11 | 11n24 | 1n 8 | 2n 4 | 1n 9 | 18s33 | 1n37 | 19n44 | 0s11 | 16n34 | 0n24 | 9s59 | 17s24 | 0s 3 | 0s21 | 8n28 | 16n 2 | 2s 3 |
| W 2 | 6 2 | 9 13 | 2 42 | 13 15 | 1 32 | 1 49 | 1 9 | 11 10 | 1 8 | 1 59 | 1 9 | 18 34 | 1 37 | 19 44 | 0 11 | 16 33 | 0 24 | 10 0 | 17 24 | 0 2 | 0 20 | 8 26 | 16 1 | 2 4 |
| T 3 | 5 39 | 5 50 | 1 43 | 12 45 | 1 38 | 1 18 | 1 8 | 10 56 | 1 8 | 1 54 | 1 9 | 18 35 | 1 36 | 19 44 | 0 11 | 16 33 | 0 24 | 10 0 | 17 24 | 0 1 | 0 18 | 8 25 | 16 1 | 2 4 |
| F 4 | 5 16 | 2 12 | 0 39 | 12 14 | 1 42 | 0 47 | 1 7 | 10 42 | 1 8 | 1 49 | 1 9 | 18 36 | 1 36 | 19 44 | 0 11 | 16 32 | 0 24 | 10 1 | 17 24 | 0 1 | 0 17 | 8 23 | 16 1 | 2 4 |
| S 5 | 4 53 | 1s33 | 0n27 | 11 40 | 1 46 | 0 16 | 1 5 | 10 27 | 1 8 | 1 44 | 1 9 | 18 37 | 1 36 | 19 44 | 0 11 | 16 31 | 0 24 | 10 1 | 17 24 | 0 1 | 0 16 | 8 21 | 16 0 | 2 4 |
| S 6 | 4 30 | 5 16 | 1 32 | 11 4 | 1 49 | 0s16 | 1 3 | 10 13 | 1 8 | 1 38 | 1 9 | 18 38 | 1 36 | 19 44 | 0 11 | 16 31 | 0 24 | 10 2 | 17 24 | 0 1 | 0 14 | 8 20 | 16 0 | 2 5 |
| M 7 | 4 7 | 8 48 | 2 34 | 10 26 | 1 51 | 0 47 | 1 2 | 9 59 | 1 7 | 1 33 | 1 9 | 18 39 | 1 36 | 19 44 | 0 11 | 16 30 | 0 24 | 10 2 | 17 25 | 0 1 | 0 13 | 8 18 | 15 59 | 2 5 |
| T 8 | 3 44 | 12 0 | 3 30 | 9 47 | 1 52 | 1 18 | 1 0 | 9 44 | 1 7 | 1 28 | 1 9 | 18 40 | 1 35 | 19 44 | 0 11 | 16 30 | 0 24 | 10 3 | 17 25 | 0 2 | 0 12 | 8 16 | 15 59 | 2 5 |
| W 9 | 3 21 | 14 42 | 4 17 | 9 6 | 1 52 | 1 49 | 0 58 | 9 30 | 1 7 | 1 23 | 1 9 | 18 41 | 1 35 | 19 44 | 0 11 | 16 29 | 0 24 | 10 3 | 17 25 | 0 2 | 0 11 | 8 15 | 15 58 | 2 5 |
| T 10 | 2 57 | 16 45 | 4 52 | 8 24 | 1 52 | 2 21 | 0 56 | 9 15 | 1 7 | 1 18 | 1 9 | 18 42 | 1 35 | 19 43 | 0 11 | 16 29 | 0 24 | 10 4 | 17 25 | 0 2 | 0 9 | 8 13 | 15 58 | 2 5 |
| F 11 | 2 34 | 17 59 | 5 13 | 7 41 | 1 51 | 2 52 | 0 55 | 9 0 | 1 7 | 1 12 | 1 9 | 18 43 | 1 35 | 19 43 | 0 11 | 16 28 | 0 24 | 10 4 | 17 25 | 0 2 | 0 8 | 8 11 | 15 57 | 2 6 |
| S 12 | 2 10 | 18 13 | 5 17 | 6 57 | 1 49 | 3 23 | 0 53 | 8 46 | 1 7 | 1 7 | 1 9 | 18 44 | 1 35 | 19 43 | 0 11 | 16 28 | 0 24 | 10 5 | 17 25 | 0 2 | 0 7 | 8 10 | 15 56 | 2 6 |
| S 13 | 1 47 | 17 22 | 5 3 | 6 12 | 1 47 | 3 54 | 0 51 | 8 31 | 1 7 | 1 2 | 1 9 | 18 45 | 1 34 | 19 43 | 0 11 | 16 27 | 0 24 | 10 5 | 17 25 | 0 2 | 0 6 | 8 8 | 15 56 | 2 6 |
| M14 | 1 23 | 15 25 | 4 30 | 5 27 | 1 44 | 4 25 | 0 49 | 8 16 | 1 7 | 0 57 | 1 9 | 18 46 | 1 34 | 19 43 | 0 11 | 16 26 | 0 24 | 10 6 | 17 25 | 0 2 | 0 4 | 8 6 | 15 55 | 2 6 |
| T 15 | 1 0 | 12 26 | 3 39 | 4 41 | 1 41 | 4 56 | 0 47 | 8 1 | 1 7 | 0 52 | 1 9 | 18 47 | 1 34 | 19 43 | 0 11 | 16 26 | 0 25 | 10 6 | 17 26 | 0 2 | 0 3 | 8 5 | 15 55 | 2 6 |
| W16 | 0 36 | 8 35 | 2 32 | 3 55 | 1 37 | 5 27 | 0 45 | 7 46 | 1 6 | 0 46 | 1 9 | 18 49 | 1 34 | 19 42 | 0 11 | 16 25 | 0 25 | 10 7 | 17 26 | 0 2 | 0 2 | 8 3 | 15 54 | 2 7 |
| T 17 | 0 12 | 4 8 | 1 14 | 3 9 | 1 33 | 5 57 | 0 42 | 7 31 | 1 6 | 0 41 | 1 9 | 18 50 | 1 34 | 19 42 | 0 11 | 16 25 | 0 25 | 10 7 | 17 26 | 0 2 | 0 1 | 8 1 | 15 53 | 2 7 |
| F 18 | 0s11 | 0n34 | 0s 9 | 2 22 | 1 28 | 6 28 | 0 40 | 7 16 | 1 6 | 0 36 | 1 9 | 18 51 | 1 33 | 19 42 | 0 11 | 16 24 | 0 25 | 10 8 | 17 26 | 0 2 | 0n 1 | 8 0 | 15 53 | 2 7 |
| S 19 | 0 35 | 5 11 | 1 31 | 1 35 | 1 24 | 6 58 | 0 38 | 7 1 | 1 6 | 0 31 | 1 9 | 18 52 | 1 33 | 19 42 | 0 11 | 16 24 | 0 25 | 10 8 | 17 26 | 0 2 | 0 2 | 7 58 | 15 52 | 2 7 |
| S 20 | 0 59 | 9 24 | 2 45 | 0 49 | 1 19 | 7 29 | 0 36 | 6 46 | 1 6 | 0 26 | 1 9 | 18 53 | 1 33 | 19 42 | 0 11 | 16 23 | 0 25 | 10 9 | 17 26 | 0 2 | 0 3 | 7 56 | 15 51 | 2 8 |
| M21 | 1 22 | 12 57 | 3 47 | 0 2 | 1 13 | 7 59 | 0 34 | 6 31 | 1 6 | 0 20 | 1 9 | 18 54 | 1 33 | 19 41 | 0 11 | 16 23 | 0 25 | 10 9 | 17 26 | 0 2 | 0 5 | 7 55 | 15 51 | 2 8 |
| T 22 | 1 46 | 15 39 | 4 33 | 0s44 | 1 8 | 8 29 | 0 31 | 6 16 | 1 6 | 0 15 | 1 9 | 18 55 | 1 33 | 19 41 | 0 11 | 16 22 | 0 25 | 10 10 | 17 26 | 0 2 | 0 6 | 7 53 | 15 50 | 2 8 |
| W23 | 2 10 | 17 25 | 5 3 | 1 30 | 1 2 | 8 59 | 0 29 | 6 0 | 1 5 | 0 10 | 1 9 | 18 57 | 1 33 | 19 41 | 0 11 | 16 22 | 0 25 | 10 10 | 17 26 | 0 1 | 0 7 | 7 51 | 15 49 | 2 8 |
| T 24 | 2 33 | 18 12 | 5 17 | 2 16 | 0 56 | 9 28 | 0 26 | 5 45 | 1 5 | 0 5 | 1 9 | 18 58 | 1 32 | 19 41 | 0 11 | 16 22 | 0 25 | 10 11 | 17 26 | 0 1 | 0 8 | 7 50 | 15 49 | 2 8 |
| F 25 | 2 57 | 18 4 | 5 15 | 3 2 | 0 50 | 9 58 | 0 24 | 5 30 | 1 5 | 0s 0 | 1 9 | 18 59 | 1 32 | 19 40 | 0 11 | 16 21 | 0 25 | 10 11 | 17 26 | 0 1 | 0 10 | 7 48 | 15 48 | 2 9 |
| S 26 | 3 21 | 17 5 | 4 58 | 3 48 | 0 44 | 10 27 | 0 22 | 5 14 | 1 5 | 0 6 | 1 9 | 19 0 | 1 32 | 19 40 | 0 11 | 16 21 | 0 25 | 10 12 | 17 26 | 0 1 | 0 11 | 7 46 | 15 47 | 2 9 |
| S 27 | 3 44 | 15 20 | 4 28 | 4 33 | 0 37 | 10 56 | 0 19 | 4 59 | 1 5 | 0 11 | 1 9 | 19 1 | 1 32 | 19 40 | 0 11 | 16 20 | 0 25 | 10 12 | 17 26 | 0 1 | 0 12 | 7 45 | 15 46 | 2 9 |
| M28 | 4 8 | 12 58 | 3 48 | 5 17 | 0 31 | 11 24 | 0 17 | 4 44 | 1 5 | 0 16 | 1 9 | 19 3 | 1 32 | 19 39 | 0 11 | 16 20 | 0 25 | 10 13 | 17 26 | 0 2 | 0 13 | 7 43 | 15 45 | 2 9 |
| T 29 | 4 31 | 10 4 | 2 58 | 6 2 | 0 24 | 11 53 | 0 14 | 4 28 | 1 4 | 0 21 | 1 9 | 19 4 | 1 32 | 19 39 | 0 11 | 16 19 | 0 25 | 10 13 | 17 26 | 0 2 | 0 15 | 7 41 | 15 45 | 2 9 |
| W30 | 4s55 | 6n46 | 2s 0 | 6s46 | 0n18 | 12s21 | 0n12 | 4n13 | 1n 4 | 0s26 | 1n 9 | 19s 5 | 1n31 | 19n39 | 0s11 | 16n19 | 0n25 | 10s14 | 17s26 | 0s 3 | 0n16 | 7n40 | 15n44 | 2s10 |

Julian Day Number = 2124171.5, Delta T = 17m31s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'41, Lahiri = 11°21'41 Julian Calendar 1 Sept. 1103 == Greg. Calendar 8 Sept. 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## OCTOBER 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 0 58 | 13♎21'50 | 19♍50 | 19♎28 | 4♏ 7 | 22♍33 | 3♎57 | 1♐40 | 28°R 3 | 16♌40 | 14°R45 | 0♎ 8 | 29♍17 | 5♍24 | 19°R54 | T 1 |
| F 2 | 1 4 54 | 14°21'35 | 1♎46 | 21° 5 | 5°22 | 23°11 | 4° 9 | 1°46 | 28♉ 1 | 16°42 | 14♈44 | 0°R 8 | 29°14 | 5°31 | 19♉52 | F 2 |
| S 3 | 1 8 51 | 15°21'23 | 13°50 | 22°41 | 6°36 | 23°50 | 4°22 | 1°51 | 27°59 | 16°43 | 14°43 | 0° 7 | 29°10 | 5°37 | 19°49 | S 3 |
| S 4 | 1 12 47 | 16°21'12 | 26° 3 | 24°17 | 7°51 | 24°29 | 4°35 | 1°57 | 27°58 | 16°44 | 14°42 | 0° 6 | 29° 7 | 5°44 | 19°47 | S 4 |
| M 5 | 1 16 44 | 17°21'03 | 8♏28 | 25°52 | 9° 5 | 25° 8 | 4°48 | 2° 3 | 27°56 | 16°46 | 14°41 | 0° 4 | 29° 4 | 5°51 | 19°44 | M 5 |
| T 6 | 1 20 40 | 18°20'57 | 21° 4 | 27°26 | 10°20 | 25°46 | 5° 1 | 2° 8 | 27°54 | 16°47 | 14°39 | 0° 1 | 29° 1 | 5°57 | 19°42 | T 6 |
| W 7 | 1 24 37 | 19°20'52 | 3♐54 | 29° 0 | 11°34 | 26°25 | 5°14 | 2°14 | 27°52 | 16°48 | 14°38 | 29♍58 | 28°58 | 6° 4 | 19°39 | W 7 |
| T 8 | 1 28 34 | 20°20'49 | 16°58 | 0♏34 | 12°48 | 27° 4 | 5°27 | 2°20 | 27°51 | 16°49 | 14°37 | 29°56 | 28°55 | 6°11 | 19°36 | T 8 |
| F 9 | 1 32 30 | 21°20'48 | 0♑16 | 2° 7 | 14° 3 | 27°43 | 5°40 | 2°26 | 27°49 | 16°50 | 14°36 | 29°53 | 28°51 | 6°17 | 19°33 | F 9 |
| S 10 | 1 36 27 | 22°20'48 | 13°51 | 3°40 | 15°17 | 28°21 | 5°52 | 2°32 | 27°47 | 16°52 | 14°35 | 29°52 | 28°48 | 6°24 | 19°31 | S 10 |
| S 11 | 1 40 23 | 23°20'50 | 27°41 | 5°12 | 16°32 | 29° 0 | 6° 5 | 2°38 | 27°45 | 16°53 | 14°34 | 29°D52 | 28°45 | 6°31 | 19°28 | S 11 |
| M12 | 1 44 20 | 24°20'54 | 11♒47 | 6°43 | 17°46 | 29°39 | 6°18 | 2°44 | 27°43 | 16°54 | 14°33 | 29°53 | 28°42 | 6°37 | 19°25 | M12 |
| T 13 | 1 48 16 | 25°20'59 | 26° 8 | 8°14 | 19° 1 | 0♎18 | 6°31 | 2°50 | 27°41 | 16°55 | 14°31 | 29°54 | 28°39 | 6°44 | 19°22 | T 13 |
| W14 | 1 52 13 | 26°21'06 | 10♓41 | 9°45 | 20°15 | 0°57 | 6°43 | 2°56 | 27°39 | 16°56 | 14°30 | 29°56 | 28°35 | 6°51 | 19°19 | W14 |
| T 15 | 1 56 9 | 27°21'14 | 25°23 | 11°15 | 21°29 | 1°36 | 6°56 | 3° 2 | 27°37 | 16°57 | 14°29 | 29°R56 | 28°32 | 6°57 | 19°16 | T 15 |
| F 16 | 2 0 6 | 28°21'24 | 10♈ 7 | 12°45 | 22°44 | 2°14 | 7° 8 | 3° 8 | 27°35 | 16°58 | 14°28 | 29°56 | 28°29 | 7° 4 | 19°13 | F 16 |
| S 17 | 2 4 3 | 29°21'36 | 24°46 | 14°14 | 23°58 | 2°53 | 7°21 | 3°14 | 27°33 | 16°59 | 14°27 | 29°54 | 28°26 | 7°11 | 19°10 | S 17 |
| S 18 | 2 7 59 | 0♏21'49 | 9♉15 | 15°43 | 25°12 | 3°32 | 7°34 | 3°21 | 27°30 | 17° 0 | 14°26 | 29°51 | 28°23 | 7°17 | 19° 7 | S 18 |
| M19 | 2 11 56 | 1°22'05 | 23°27 | 17°11 | 26°27 | 4°11 | 7°46 | 3°27 | 27°28 | 17° 1 | 14°25 | 29°47 | 28°20 | 7°24 | 19° 4 | M19 |
| T 20 | 2 15 52 | 2°22'22 | 7♊17 | 18°39 | 27°41 | 4°50 | 7°58 | 3°33 | 27°26 | 17° 2 | 14°24 | 29°41 | 28°16 | 7°31 | 19° 1 | T 20 |
| W21 | 2 19 49 | 3°22'42 | 20°42 | 20° 6 | 28°55 | 5°29 | 8°11 | 3°40 | 27°24 | 17° 2 | 14°23 | 29°36 | 28°13 | 7°37 | 18°58 | W21 |
| T 22 | 2 23 45 | 4°23'03 | 3♋42 | 21°33 | 0♐10 | 6° 8 | 8°23 | 3°46 | 27°21 | 17° 3 | 14°22 | 29°32 | 28°10 | 7°44 | 18°55 | T 22 |
| F 23 | 2 27 42 | 5°23'26 | 16°20 | 22°59 | 1°24 | 6°47 | 8°36 | 3°53 | 27°19 | 17° 4 | 14°21 | 29°28 | 28° 7 | 7°51 | 18°52 | F 23 |
| S 24 | 2 31 38 | 6°23'51 | 28°38 | 24°24 | 2°38 | 7°26 | 8°48 | 3°59 | 27°17 | 17° 5 | 14°19 | 29°26 | 28° 4 | 7°57 | 18°48 | S 24 |
| S 25 | 2 35 35 | 7°24'19 | 10♌42 | 25°49 | 3°53 | 8° 5 | 9° 0 | 4° 6 | 27°15 | 17° 5 | 14°18 | 29°D26 | 28° 1 | 8° 4 | 18°45 | S 25 |
| M26 | 2 39 32 | 8°24'48 | 22°35 | 27°13 | 5° 7 | 8°44 | 9°12 | 4°12 | 27°12 | 17° 6 | 14°17 | 29°27 | 27°57 | 8°11 | 18°42 | M26 |
| T 27 | 2 43 28 | 9°25'19 | 4♍23 | 28°36 | 6°21 | 9°23 | 9°24 | 4°19 | 27°10 | 17° 7 | 14°16 | 29°29 | 27°54 | 8°17 | 18°39 | T 27 |
| W28 | 2 47 25 | 10°25'51 | 16°11 | 29°58 | 7°35 | 10° 2 | 9°37 | 4°25 | 27° 7 | 17° 7 | 14°15 | 29°30 | 27°51 | 8°24 | 18°36 | W28 |
| T 29 | 2 51 21 | 11°26'26 | 28° 5 | 1♐19 | 8°50 | 10°41 | 9°49 | 4°32 | 27° 5 | 17° 8 | 14°14 | 29°R31 | 27°48 | 8°30 | 18°32 | T 29 |
| F 30 | 2 55 18 | 12°27'02 | 10♎ 7 | 2°39 | 10° 4 | 11°20 | 10° 1 | 4°39 | 27° 3 | 17° 8 | 14°13 | 29°30 | 27°45 | 8°37 | 18°29 | F 30 |
| S 31 | 2 59 14 | 13♏27'40 | 22♎21 | 3♐58 | 11♐18 | 11♎59 | 10♎13 | 4♐45 | 27♉ 0 | 17♌ 9 | 14♈12 | 29♍28 | 27♍41 | 8♍44 | 18♉26 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s18 | 3n11 | 0s57 | 7s29 | 0n11 | 12s49 | 0n 9 | 3n57 | 1n 4 | 0s31 | 1n 9 | 19s 6 | 1n31 | 19n38 | 0s11 | 16n19 | 0n25 | 10s14 | 17s26 | 0s 3 | 0n17 | 7n38 | 15n43 | 2s10 |
| F 2 | 5 41 | 0s34 | 0n 9 | 8 12 | 0 4 | 13 16 | 0 6 | 3 42 | 1 4 | 0 36 | 1 9 | 19 8 | 1 31 | 19 38 | 0 11 | 16 18 | 0 25 | 10 14 | 17 26 | 0 3 | 0 19 | 7 36 | 15 42 | 2 10 |
| S 3 | 6 4 | 4 20 | 1 15 | 8 54 | 0s 3 | 13 43 | 0 4 | 3 26 | 1 4 | 0 42 | 1 9 | 19 9 | 1 31 | 19 38 | 0 11 | 16 18 | 0 25 | 10 15 | 17 26 | 0 3 | 0 20 | 7 35 | 15 41 | 2 10 |
| S 4 | 6 28 | 7 57 | 2 19 | 9 36 | 0 9 | 14 10 | 0 1 | 3 11 | 1 4 | 0 47 | 1 9 | 19 10 | 1 31 | 19 37 | 0 11 | 16 17 | 0 25 | 10 15 | 17 26 | 0 2 | 0 21 | 7 33 | 15 40 | 2 10 |
| M 5 | 6 51 | 11 17 | 3 17 | 10 17 | 0 16 | 14 37 | 0s 1 | 2 55 | 1 3 | 0 52 | 1 9 | 19 11 | 1 31 | 19 37 | 0 11 | 16 17 | 0 25 | 10 16 | 17 26 | 0 2 | 0 22 | 7 31 | 15 40 | 2 10 |
| T 6 | 7 14 | 14 10 | 4 6 | 10 58 | 0 23 | 15 3 | 0 4 | 2 39 | 1 3 | 0 57 | 1 9 | 19 13 | 1 30 | 19 36 | 0 11 | 16 17 | 0 25 | 10 16 | 17 26 | 0 1 | 0 24 | 7 30 | 15 39 | 2 11 |
| W 7 | 7 36 | 16 23 | 4 43 | 11 38 | 0 30 | 15 29 | 0 7 | 2 24 | 1 3 | 1 2 | 1 9 | 19 14 | 1 30 | 19 36 | 0 11 | 16 16 | 0 25 | 10 16 | 17 26 | 0n 1 | 0 25 | 7 28 | 15 38 | 2 11 |
| T 8 | 7 59 | 17 49 | 5 7 | 12 17 | 0 36 | 15 54 | 0 9 | 2 8 | 1 3 | 1 7 | 1 9 | 19 15 | 1 30 | 19 36 | 0 11 | 16 16 | 0 25 | 10 17 | 17 26 | 0 2 | 0 26 | 7 26 | 15 37 | 2 11 |
| F 9 | 8 22 | 18 18 | 5 15 | 12 56 | 0 43 | 16 19 | 0 12 | 1 52 | 1 3 | 1 12 | 1 9 | 19 17 | 1 30 | 19 35 | 0 11 | 16 16 | 0 25 | 10 17 | 17 26 | 0 3 | 0 27 | 7 24 | 15 36 | 2 11 |
| S 10 | 8 44 | 17 45 | 5 6 | 13 34 | 0 50 | 16 44 | 0 15 | 1 37 | 1 2 | 1 17 | 1 9 | 19 18 | 1 30 | 19 35 | 0 11 | 16 15 | 0 25 | 10 18 | 17 26 | 0 3 | 0 29 | 7 23 | 15 35 | 2 11 |
| S 11 | 9 7 | 16 10 | 4 39 | 14 12 | 0 56 | 17 8 | 0 17 | 1 21 | 1 2 | 1 22 | 1 9 | 19 19 | 1 30 | 19 34 | 0 11 | 16 15 | 0 25 | 10 18 | 17 26 | 0 3 | 0 30 | 7 21 | 15 34 | 2 11 |
| M12 | 9 29 | 13 34 | 3 55 | 14 48 | 1 3 | 17 32 | 0 20 | 1 5 | 1 2 | 1 27 | 1 9 | 19 20 | 1 30 | 19 34 | 0 11 | 16 15 | 0 25 | 10 18 | 17 26 | 0 3 | 0 31 | 7 19 | 15 33 | 2 12 |
| T 13 | 9 51 | 10 7 | 2 55 | 15 24 | 1 9 | 17 55 | 0 23 | 0 50 | 1 2 | 1 32 | 1 9 | 19 22 | 1 29 | 19 33 | 0 11 | 16 14 | 0 25 | 10 19 | 17 26 | 0 2 | 0 33 | 7 18 | 15 32 | 2 12 |
| W14 | 10 13 | 5 59 | 1 44 | 15 59 | 1 15 | 18 18 | 0 26 | 0 34 | 1 2 | 1 37 | 1 9 | 19 23 | 1 29 | 19 33 | 0 11 | 16 14 | 0 25 | 10 19 | 17 26 | 0 2 | 0 34 | 7 16 | 15 31 | 2 12 |
| T 15 | 10 35 | 1 28 | 0 25 | 16 34 | 1 21 | 18 40 | 0 28 | 0 18 | 1 1 | 1 42 | 1 9 | 19 24 | 1 29 | 19 32 | 0 11 | 16 14 | 0 25 | 10 19 | 17 26 | 0 1 | 0 35 | 7 14 | 15 30 | 2 12 |
| F 16 | 10 56 | 3n10 | 0s56 | 17 7 | 1 27 | 19 2 | 0 31 | 0 2 | 1 1 | 1 47 | 1 10 | 19 26 | 1 29 | 19 32 | 0 11 | 16 14 | 0 25 | 10 20 | 17 26 | 0 2 | 0 36 | 7 13 | 15 29 | 2 12 |
| S 17 | 11 18 | 7 35 | 2 12 | 17 40 | 1 33 | 19 24 | 0 34 | 0s13 | 1 1 | 1 52 | 1 10 | 19 27 | 1 29 | 19 32 | 0 11 | 16 13 | 0 25 | 10 20 | 17 25 | 0 2 | 0 38 | 7 11 | 15 29 | 2 12 |
| S 18 | 11 39 | 11 30 | 3 19 | 18 12 | 1 39 | 19 45 | 0 36 | 0 29 | 1 1 | 1 57 | 1 10 | 19 28 | 1 29 | 19 31 | 0 11 | 16 13 | 0 25 | 10 20 | 17 25 | 0 4 | 0 39 | 7 9 | 15 28 | 2 13 |
| M19 | 12 0 | 14 39 | 4 12 | 18 43 | 1 44 | 20 5 | 0 39 | 0 45 | 1 1 | 2 2 | 1 10 | 19 30 | 1 29 | 19 31 | 0 11 | 16 13 | 0 25 | 10 21 | 17 25 | 0 5 | 0 40 | 7 7 | 15 27 | 2 13 |
| T 20 | 12 21 | 16 53 | 4 49 | 19 12 | 1 49 | 20 25 | 0 41 | 1 0 | 1 0 | 2 7 | 1 10 | 19 31 | 1 28 | 19 30 | 0 11 | 16 13 | 0 25 | 10 21 | 17 25 | 0 7 | 0 41 | 7 6 | 15 26 | 2 13 |
| W21 | 12 42 | 18 6 | 5 9 | 19 41 | 1 55 | 20 44 | 0 44 | 1 16 | 1 0 | 2 11 | 1 10 | 19 32 | 1 28 | 19 30 | 0 11 | 16 12 | 0 25 | 10 21 | 17 25 | 0 10 | 0 43 | 7 4 | 15 25 | 2 13 |
| T 22 | 13 3 | 18 19 | 5 11 | 20 9 | 1 59 | 21 2 | 0 47 | 1 32 | 1 0 | 2 16 | 1 10 | 19 34 | 1 28 | 19 29 | 0 11 | 16 12 | 0 25 | 10 21 | 17 25 | 0 11 | 0 44 | 7 2 | 15 24 | 2 13 |
| F 23 | 13 23 | 17 36 | 4 59 | 20 36 | 2 4 | 21 21 | 0 49 | 1 48 | 1 0 | 2 21 | 1 10 | 19 35 | 1 28 | 19 29 | 0 11 | 16 12 | 0 25 | 10 22 | 17 25 | 0 13 | 0 45 | 7 1 | 15 23 | 2 13 |
| S 24 | 13 43 | 16 5 | 4 33 | 21 2 | 2 9 | 21 38 | 0 52 | 2 3 | 0 59 | 2 26 | 1 10 | 19 36 | 1 28 | 19 28 | 0 11 | 16 12 | 0 25 | 10 22 | 17 25 | 0 13 | 0 46 | 6 59 | 15 22 | 2 13 |
| S 25 | 14 3 | 13 52 | 3 55 | 21 27 | 2 13 | 21 55 | 0 54 | 2 19 | 0 59 | 2 31 | 1 10 | 19 38 | 1 28 | 19 27 | 0 11 | 16 11 | 0 25 | 10 22 | 17 24 | 0 14 | 0 48 | 6 57 | 15 21 | 2 14 |
| M26 | 14 23 | 11 6 | 3 8 | 21 50 | 2 16 | 22 11 | 0 57 | 2 35 | 0 59 | 2 35 | 1 10 | 19 39 | 1 28 | 19 27 | 0 11 | 16 11 | 0 25 | 10 22 | 17 24 | 0 13 | 0 49 | 6 55 | 15 20 | 2 14 |
| T 27 | 14 42 | 7 53 | 2 13 | 22 13 | 2 20 | 22 27 | 0 59 | 2 50 | 0 59 | 2 40 | 1 10 | 19 40 | 1 28 | 19 26 | 0 11 | 16 11 | 0 25 | 10 23 | 17 24 | 0 13 | 0 50 | 6 54 | 15 19 | 2 14 |
| W28 | 15 1 | 4 22 | 1 12 | 22 34 | 2 23 | 22 42 | 1 2 | 3 6 | 0 58 | 2 45 | 1 10 | 19 42 | 1 28 | 19 26 | 0 11 | 16 11 | 0 26 | 10 23 | 17 24 | 0 12 | 0 52 | 6 52 | 15 18 | 2 14 |
| T 29 | 15 20 | 0 39 | 0 8 | 22 54 | 2 26 | 22 56 | 1 4 | 3 22 | 0 58 | 2 49 | 1 11 | 19 43 | 1 27 | 19 25 | 0 11 | 16 11 | 0 26 | 10 23 | 17 24 | 0 12 | 0 53 | 6 50 | 15 17 | 2 14 |
| F 30 | 15 39 | 3s 9 | 0n57 | 23 13 | 2 28 | 23 10 | 1 7 | 3 37 | 0 58 | 2 54 | 1 11 | 19 44 | 1 27 | 19 25 | 0 11 | 16 11 | 0 26 | 10 23 | 17 24 | 0 12 | 0 54 | 6 49 | 15 16 | 2 14 |
| S 31 | 15s57 | 6s52 | 2n 1 | 23s30 | 2s30 | 23s23 | 1s 9 | 3s53 | 0n57 | 2s59 | 1n11 | 19s46 | 1n27 | 19n24 | 0s11 | 16n11 | 0n26 | 10s24 | 17s23 | 0n13 | 0n55 | 6n47 | 15n15 | 2s14 |

Julian Day Number = 2124201.5, Delta T = 17m30s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'45, Lahiri = 11°21'45 Julian Calendar 1 Oct. 1103 == Greg. Calendar 8 Oct. 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## NOVEMBER 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 3 11 | 14♏28'20 | 4♏49 | 5♐15 | 12♐32 | 12♎38 | 10♎24 | 4♐52 | 26°R58 | 17♌ 9 | 14°R11 | 29°R23 | 27♍38 | 8♍50 | 18°R23 | S 1 |
| M 2 | 3 7 7 | 15°29'01 | 17°32 | 6°30 | 13°46 | 13°18 | 10°36 | 4°59 | 26♉55 | 17°10 | 14♈10 | 29♍16 | 27°35 | 8°57 | 18♉19 | M 2 |
| T 3 | 3 11 4 | 16°29'44 | 0♐31 | 7°44 | 15° 1 | 13°57 | 10°48 | 5° 6 | 26°53 | 17°10 | 14° 9 | 29° 8 | 27°32 | 9° 4 | 18°16 | T 3 |
| W 4 | 3 15 0 | 17°30'28 | 13°44 | 8°55 | 16°15 | 14°36 | 11° 0 | 5°13 | 26°50 | 17°10 | 14° 9 | 28°59 | 27°29 | 9°10 | 18°13 | W 4 |
| T 5 | 3 18 57 | 18°31'13 | 27°10 | 10° 4 | 17°29 | 15°15 | 11°11 | 5°19 | 26°48 | 17°11 | 14° 8 | 28°50 | 27°26 | 9°17 | 18° 9 | T 5 |
| F 6 | 3 22 54 | 19°32'00 | 10♑47 | 11°10 | 18°43 | 15°54 | 11°23 | 5°26 | 26°45 | 17°11 | 14° 7 | 28°43 | 27°22 | 9°24 | 18° 6 | F 6 |
| S 7 | 3 26 50 | 20°32'47 | 24°33 | 12°13 | 19°57 | 16°33 | 11°34 | 5°33 | 26°43 | 17°11 | 14° 6 | 28°38 | 27°19 | 9°30 | 18° 3 | S 7 |
| S 8 | 3 30 47 | 21°33'36 | 8♒27 | 13°12 | 21°11 | 17°13 | 11°46 | 5°40 | 26°40 | 17°11 | 14° 5 | 28°35 | 27°16 | 9°37 | 17°59 | S 8 |
| M 9 | 3 34 43 | 22°34'26 | 22°28 | 14° 7 | 22°26 | 17°52 | 11°57 | 5°47 | 26°38 | 17°12 | 14° 4 | 28°D34 | 27°13 | 9°44 | 17°56 | M 9 |
| T 10 | 3 38 40 | 23°35'16 | 6♓35 | 14°57 | 23°40 | 18°31 | 12° 8 | 5°54 | 26°35 | 17°12 | 14° 3 | 28°35 | 27°10 | 9°50 | 17°53 | T 10 |
| W11 | 3 42 36 | 24°36'07 | 20°46 | 15°42 | 24°54 | 19°10 | 12°20 | 6° 1 | 26°33 | 17°12 | 14° 2 | 28°36 | 27° 6 | 9°57 | 17°50 | W11 |
| T 12 | 3 46 33 | 25°37'00 | 5♈ 2 | 16°21 | 26° 8 | 19°50 | 12°31 | 6° 8 | 26°30 | 17°12 | 14° 2 | 28°R36 | 27° 3 | 10° 4 | 17°46 | T 12 |
| F 13 | 3 50 29 | 26°37'53 | 19°18 | 16°52 | 27°22 | 20°29 | 12°42 | 6°15 | 26°28 | 17°12 | 14° 1 | 28°34 | 27° 0 | 10°10 | 17°43 | F 13 |
| S 14 | 3 54 26 | 27°38'47 | 3♉32 | 17°16 | 28°36 | 21° 8 | 12°53 | 6°22 | 26°25 | 17°R12 | 14° 0 | 28°29 | 26°57 | 10°17 | 17°40 | S 14 |
| S 15 | 3 58 23 | 28°39'42 | 17°38 | 17°32 | 29°50 | 21°47 | 13° 4 | 6°29 | 26°22 | 17°12 | 13°59 | 28°22 | 26°54 | 10°24 | 17°37 | S 15 |
| M16 | 4 2 19 | 29°40'38 | 1♊33 | 17°R38 | 1♉ 4 | 22°27 | 13°15 | 6°36 | 26°20 | 17°12 | 13°58 | 28°13 | 26°51 | 10°30 | 17°33 | M16 |
| T 17 | 4 6 16 | 0♐41'35 | 15°12 | 17°34 | 2°18 | 23° 6 | 13°25 | 6°43 | 26°17 | 17°12 | 13°58 | 28° 2 | 26°47 | 10°37 | 17°30 | T 17 |
| W18 | 4 10 12 | 1°42'33 | 28°31 | 17°19 | 3°31 | 23°45 | 13°36 | 6°50 | 26°15 | 17°12 | 13°57 | 27°51 | 26°44 | 10°44 | 17°27 | W18 |
| T 19 | 4 14 9 | 2°43'33 | 11♋30 | 16°53 | 4°45 | 24°25 | 13°47 | 6°57 | 26°12 | 17°11 | 13°56 | 27°40 | 26°41 | 10°50 | 17°24 | T 19 |
| F 20 | 4 18 5 | 3°44'33 | 24° 8 | 16°16 | 5°59 | 25° 4 | 13°57 | 7° 4 | 26°10 | 17°11 | 13°56 | 27°31 | 26°38 | 10°57 | 17°21 | F 20 |
| S 21 | 4 22 2 | 4°45'34 | 6♌27 | 15°27 | 7°13 | 25°44 | 14° 8 | 7°11 | 26° 7 | 17°11 | 13°55 | 27°25 | 26°35 | 11° 3 | 17°18 | S 21 |
| S 22 | 4 25 59 | 5°46'37 | 18°31 | 14°28 | 8°27 | 26°23 | 14°18 | 7°18 | 26° 5 | 17°11 | 13°54 | 27°21 | 26°32 | 11°10 | 17°15 | S 22 |
| M23 | 4 29 55 | 6°47'40 | 0♍25 | 13°20 | 9°41 | 27° 2 | 14°28 | 7°25 | 26° 2 | 17°10 | 13°54 | 27°19 | 26°28 | 11°17 | 17°12 | M23 |
| T 24 | 4 33 52 | 7°48'45 | 12°13 | 12° 4 | 10°54 | 27°42 | 14°38 | 7°32 | 26° 0 | 17°10 | 13°53 | 27°D19 | 26°25 | 11°23 | 17° 8 | T 24 |
| W25 | 4 37 48 | 8°49'51 | 24° 1 | 10°44 | 12° 8 | 28°21 | 14°48 | 7°40 | 25°57 | 17°10 | 13°52 | 27°R20 | 26°22 | 11°30 | 17° 5 | W25 |
| T 26 | 4 41 45 | 9°50'57 | 5♎56 | 9°21 | 13°22 | 29° 1 | 14°58 | 7°47 | 25°55 | 17° 9 | 13°52 | 27°19 | 26°19 | 11°37 | 17° 2 | T 26 |
| F 27 | 4 45 41 | 10°52'05 | 18° 1 | 7°59 | 14°35 | 29°40 | 15° 8 | 7°54 | 25°52 | 17° 9 | 13°51 | 27°17 | 26°16 | 11°43 | 17° 0 | F 27 |
| S 28 | 4 49 38 | 11°53'13 | 0♏21 | 6°39 | 15°49 | 0♏20 | 15°18 | 8° 1 | 25°50 | 17° 8 | 13°51 | 27°13 | 26°12 | 11°50 | 16°57 | S 28 |
| S 29 | 4 53 34 | 12°54'22 | 13° 0 | 5°26 | 17° 3 | 0°59 | 15°27 | 8° 8 | 25°48 | 17° 8 | 13°50 | 27° 6 | 26° 9 | 11°57 | 16°54 | S 29 |
| M30 | 4 57 31 | 13♐55'32 | 25♏59 | 4♐20 | 18♉16 | 1♏39 | 15♎37 | 8♐15 | 25♉45 | 17♌ 7 | 13♈50 | 26♍56 | 26♍ 6 | 12♍ 3 | 16♉51 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s15 | 10s22 | 2n59 | 23s46 | 2s32 | 23s35 | 1s11 | 4s 8 | 0n57 | 3s 3 | 1n11 | 19s47 | 1n27 | 19n24 | 0s11 | 16n10 | 0n26 | 10s24 | 17s23 | 0n15 | 0n57 | 6n45 | 15n14 | 2s14 |
| M 2 | 16 33 | 13 28 | 3 50 | 24 0 | 2 32 | 23 47 | 1 14 | 4 24 | 0 57 | 3 8 | 1 11 | 19 48 | 1 27 | 19 23 | 0 11 | 16 10 | 0 26 | 10 24 | 17 23 | 0 18 | 0 58 | 6 43 | 15 13 | 2 15 |
| T 3 | 16 51 | 15 57 | 4 30 | 24 13 | 2 33 | 23 58 | 1 16 | 4 39 | 0 57 | 3 12 | 1 11 | 19 50 | 1 27 | 19 22 | 0 11 | 16 10 | 0 26 | 10 24 | 17 23 | 0 21 | 0 59 | 6 42 | 15 12 | 2 15 |
| W 4 | 17 8 | 17 39 | 4 56 | 24 24 | 2 33 | 24 8 | 1 18 | 4 55 | 0 56 | 3 17 | 1 11 | 19 51 | 1 27 | 19 22 | 0 11 | 16 10 | 0 26 | 10 24 | 17 23 | 0 24 | 1 0 | 6 40 | 15 11 | 2 15 |
| T 5 | 17 25 | 18 24 | 5 7 | 24 34 | 2 32 | 24 17 | 1 20 | 5 10 | 0 56 | 3 21 | 1 11 | 19 52 | 1 27 | 19 21 | 0 11 | 16 10 | 0 26 | 10 24 | 17 22 | 0 28 | 1 2 | 6 38 | 15 10 | 2 15 |
| F 6 | 17 42 | 18 7 | 5 0 | 24 42 | 2 30 | 24 26 | 1 22 | 5 26 | 0 56 | 3 26 | 1 11 | 19 53 | 1 27 | 19 21 | 0 11 | 16 10 | 0 26 | 10 25 | 17 22 | 0 31 | 1 3 | 6 37 | 15 9 | 2 15 |
| S 7 | 17 58 | 16 47 | 4 37 | 24 48 | 2 28 | 24 34 | 1 24 | 5 41 | 0 55 | 3 30 | 1 11 | 19 55 | 1 27 | 19 20 | 0 11 | 16 10 | 0 26 | 10 25 | 17 22 | 0 33 | 1 4 | 6 35 | 15 8 | 2 15 |
| S 8 | 18 14 | 14 26 | 3 56 | 24 53 | 2 24 | 24 42 | 1 26 | 5 57 | 0 55 | 3 35 | 1 12 | 19 56 | 1 26 | 19 20 | 0 11 | 16 10 | 0 26 | 10 25 | 17 22 | 0 34 | 1 6 | 6 33 | 15 7 | 2 15 |
| M 9 | 18 30 | 11 14 | 3 2 | 24 55 | 2 20 | 24 48 | 1 28 | 6 12 | 0 55 | 3 39 | 1 12 | 19 57 | 1 26 | 19 19 | 0 11 | 16 10 | 0 26 | 10 25 | 17 21 | 0 34 | 1 7 | 6 31 | 15 6 | 2 15 |
| T 10 | 18 46 | 7 21 | 1 55 | 24 56 | 2 15 | 24 54 | 1 30 | 6 27 | 0 54 | 3 43 | 1 12 | 19 59 | 1 26 | 19 18 | 0 11 | 16 10 | 0 26 | 10 25 | 17 21 | 0 34 | 1 8 | 6 30 | 15 5 | 2 15 |
| W11 | 19 1 | 3 2 | 0 42 | 24 55 | 2 9 | 24 59 | 1 32 | 6 42 | 0 54 | 3 47 | 1 12 | 20 0 | 1 26 | 19 18 | 0 11 | 16 10 | 0 26 | 10 25 | 17 21 | 0 34 | 1 9 | 6 28 | 15 4 | 2 15 |
| T 12 | 19 15 | 1n29 | 0s34 | 24 52 | 2 1 | 25 4 | 1 34 | 6 58 | 0 54 | 3 52 | 1 12 | 20 1 | 1 26 | 19 17 | 0 11 | 16 10 | 0 26 | 10 25 | 17 21 | 0 34 | 1 11 | 6 26 | 15 3 | 2 15 |
| F 13 | 19 30 | 5 55 | 1 49 | 24 46 | 1 53 | 25 7 | 1 36 | 7 13 | 0 53 | 3 56 | 1 12 | 20 2 | 1 26 | 19 17 | 0 11 | 16 10 | 0 26 | 10 25 | 17 20 | 0 34 | 1 12 | 6 24 | 15 2 | 2 15 |
| S 14 | 19 44 | 10 0 | 2 56 | 24 39 | 1 43 | 25 10 | 1 37 | 7 28 | 0 53 | 4 0 | 1 12 | 20 4 | 1 26 | 19 16 | 0 11 | 16 10 | 0 26 | 10 25 | 17 20 | 0 36 | 1 13 | 6 23 | 15 1 | 2 16 |
| S 15 | 19 57 | 13 29 | 3 51 | 24 29 | 1 31 | 25 12 | 1 39 | 7 43 | 0 53 | 4 4 | 1 12 | 20 5 | 1 26 | 19 16 | 0 11 | 16 10 | 0 26 | 10 25 | 17 20 | 0 39 | 1 14 | 6 21 | 15 0 | 2 16 |
| M16 | 20 11 | 16 8 | 4 32 | 24 17 | 1 18 | 25 13 | 1 41 | 7 58 | 0 52 | 4 8 | 1 13 | 20 6 | 1 26 | 19 15 | 0 11 | 16 10 | 0 26 | 10 25 | 17 20 | 0 43 | 1 16 | 6 19 | 14 59 | 2 16 |
| T 17 | 20 24 | 17 49 | 4 56 | 24 2 | 1 4 | 25 14 | 1 42 | 8 13 | 0 52 | 4 12 | 1 13 | 20 8 | 1 26 | 19 14 | 0 11 | 16 10 | 0 26 | 10 25 | 17 19 | 0 47 | 1 17 | 6 18 | 14 58 | 2 16 |
| W18 | 20 36 | 18 29 | 5 4 | 23 45 | 0 48 | 25 14 | 1 44 | 8 28 | 0 52 | 4 16 | 1 13 | 20 9 | 1 26 | 19 14 | 0 11 | 16 10 | 0 26 | 10 25 | 17 19 | 0 52 | 1 18 | 6 16 | 14 57 | 2 16 |
| T 19 | 20 48 | 18 9 | 4 55 | 23 25 | 0 31 | 25 13 | 1 45 | 8 43 | 0 51 | 4 20 | 1 13 | 20 10 | 1 26 | 19 13 | 0 11 | 16 10 | 0 26 | 10 25 | 17 19 | 0 56 | 1 19 | 6 14 | 14 56 | 2 16 |
| F 20 | 21 0 | 16 55 | 4 32 | 23 3 | 0 13 | 25 11 | 1 46 | 8 57 | 0 51 | 4 24 | 1 13 | 20 11 | 1 26 | 19 13 | 0 11 | 16 10 | 0 26 | 10 25 | 17 19 | 0 59 | 1 21 | 6 12 | 14 55 | 2 16 |
| S 21 | 21 11 | 14 56 | 3 57 | 22 39 | 0n 6 | 25 9 | 1 47 | 9 12 | 0 51 | 4 28 | 1 13 | 20 12 | 1 25 | 19 12 | 0 11 | 16 10 | 0 26 | 10 25 | 17 18 | 1 2 | 1 22 | 6 11 | 14 54 | 2 16 |
| S 22 | 21 22 | 12 19 | 3 11 | 22 13 | 0 26 | 25 5 | 1 49 | 9 27 | 0 50 | 4 32 | 1 13 | 20 14 | 1 25 | 19 11 | 0 11 | 16 11 | 0 26 | 10 25 | 17 18 | 1 4 | 1 23 | 6 9 | 14 53 | 2 16 |
| M23 | 21 33 | 9 13 | 2 18 | 21 44 | 0 47 | 25 1 | 1 50 | 9 41 | 0 50 | 4 36 | 1 14 | 20 15 | 1 25 | 19 11 | 0 11 | 16 11 | 0 26 | 10 25 | 17 18 | 1 4 | 1 25 | 6 7 | 14 52 | 2 16 |
| T 24 | 21 43 | 5 47 | 1 20 | 21 14 | 1 7 | 24 57 | 1 51 | 9 56 | 0 50 | 4 40 | 1 14 | 20 16 | 1 25 | 19 10 | 0 11 | 16 11 | 0 26 | 10 25 | 17 17 | 1 4 | 1 26 | 6 5 | 14 51 | 2 16 |
| W25 | 21 53 | 2 7 | 0 18 | 20 44 | 1 26 | 24 51 | 1 52 | 10 10 | 0 49 | 4 44 | 1 14 | 20 17 | 1 25 | 19 10 | 0 11 | 16 11 | 0 26 | 10 25 | 17 17 | 1 4 | 1 27 | 6 4 | 14 50 | 2 16 |
| T 26 | 22 2 | 1s40 | 0n46 | 20 14 | 1 45 | 24 45 | 1 53 | 10 25 | 0 49 | 4 47 | 1 14 | 20 19 | 1 25 | 19 9 | 0 11 | 16 11 | 0 26 | 10 25 | 17 17 | 1 4 | 1 28 | 6 2 | 14 50 | 2 16 |
| F 27 | 22 11 | 5 26 | 1 48 | 19 44 | 2 2 | 24 38 | 1 53 | 10 39 | 0 48 | 4 51 | 1 14 | 20 20 | 1 25 | 19 9 | 0 11 | 16 11 | 0 26 | 10 25 | 17 16 | 1 5 | 1 30 | 6 0 | 14 49 | 2 16 |
| S 28 | 22 19 | 9 4 | 2 46 | 19 17 | 2 17 | 24 30 | 1 54 | 10 54 | 0 48 | 4 55 | 1 14 | 20 21 | 1 25 | 19 8 | 0 11 | 16 11 | 0 26 | 10 25 | 17 16 | 1 7 | 1 31 | 5 58 | 14 48 | 2 16 |
| S 29 | 22 27 | 12 22 | 3 37 | 18 51 | 2 30 | 24 21 | 1 55 | 11 8 | 0 48 | 4 58 | 1 15 | 20 22 | 1 25 | 19 7 | 0 11 | 16 12 | 0 26 | 10 25 | 17 16 | 1 10 | 1 32 | 5 57 | 14 47 | 2 16 |
| M30 | 22s35 | 15s 9 | 4n19 | 18s29 | 2n40 | 24s12 | 1s55 | 11s22 | 0n47 | 5s 2 | 1n15 | 20s23 | 1n25 | 19n 7 | 0s11 | 16n12 | 0n26 | 10s25 | 17s15 | 1n14 | 1n33 | 5n55 | 14n46 | 2s16 |

Julian Day Number = 2124232.5, Delta T = 17m30s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'49, Lahiri = 11°21'49 Julian Calendar 1 Nov. 1103 == Greg. Calendar 8 Nov. 1103


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# ASTRODIENST EPHEMERIS for the year 1103
# geocentric

## DECEMBER 1103 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 1 28 | 14♐56'42 | 9♐19 | 3°R24 | 19♑30 | 2♏18 | 15♎46 | 8♐22 | 25°R43 | 17°R 7 | 13°R49 | 26°R44 | 26♍ 3 | 12♍10 | 16°R48 | T 1 |
| W 2 | 5 5 24 | 15°57'53 | 22°57 | 2♐38 | 20°43 | 2°58 | 15°56 | 8°29 | 25♉41 | 17♌ 6 | 13♈49 | 26♍31 | 26° 0 | 12°17 | 16♉45 | W 2 |
| T 3 | 5 9 21 | 16°59'05 | 6♑51 | 2° 3 | 21°57 | 3°37 | 16° 5 | 8°36 | 25°38 | 17° 6 | 13°48 | 26°18 | 25°57 | 12°23 | 16°43 | T 3 |
| F 4 | 5 13 17 | 18° 0'17 | 20°55 | 1°38 | 23°10 | 4°17 | 16°14 | 8°43 | 25°36 | 17° 5 | 13°48 | 26° 7 | 25°53 | 12°30 | 16°40 | F 4 |
| S 5 | 5 17 14 | 19° 1'29 | 5♒ 5 | 1°25 | 24°23 | 4°57 | 16°23 | 8°50 | 25°34 | 17° 4 | 13°47 | 25°58 | 25°50 | 12°37 | 16°37 | S 5 |
| S 6 | 5 21 10 | 20° 2'40 | 19°16 | 1°D21 | 25°37 | 5°36 | 16°32 | 8°57 | 25°31 | 17° 4 | 13°47 | 25°53 | 25°47 | 12°43 | 16°35 | S 6 |
| M 7 | 5 25 7 | 21° 3'52 | 3♓26 | 1°27 | 26°50 | 6°16 | 16°41 | 9° 4 | 25°29 | 17° 3 | 13°47 | 25°50 | 25°44 | 12°50 | 16°32 | M 7 |
| T 8 | 5 29 3 | 22° 5'04 | 17°33 | 1°41 | 28° 3 | 6°55 | 16°49 | 9°11 | 25°27 | 17° 2 | 13°46 | 25°50 | 25°41 | 12°57 | 16°29 | T 8 |
| W 9 | 5 33 0 | 23° 6'16 | 1♈36 | 2° 3 | 29°16 | 7°35 | 16°58 | 9°18 | 25°25 | 17° 1 | 13°46 | 25°50 | 25°38 | 13° 3 | 16°27 | W 9 |
| T 10 | 5 36 57 | 24° 7'28 | 15°34 | 2°33 | 0♒30 | 8°15 | 17° 6 | 9°25 | 25°23 | 17° 0 | 13°46 | 25°49 | 25°34 | 13°10 | 16°25 | T 10 |
| F 11 | 5 40 53 | 25° 8'39 | 29°27 | 3° 9 | 1°43 | 8°54 | 17°14 | 9°32 | 25°21 | 16°59 | 13°46 | 25°46 | 25°31 | 13°16 | 16°22 | F 11 |
| S 12 | 5 44 50 | 26° 9'50 | 13♉14 | 3°51 | 2°56 | 9°34 | 17°23 | 9°39 | 25°18 | 16°59 | 13°45 | 25°40 | 25°28 | 13°23 | 16°20 | S 12 |
| S 13 | 5 48 46 | 27°11'01 | 26°54 | 4°38 | 4° 9 | 10°14 | 17°31 | 9°45 | 25°16 | 16°58 | 13°45 | 25°32 | 25°25 | 13°30 | 16°18 | S 13 |
| M14 | 5 52 43 | 28°12'12 | 10♊23 | 5°30 | 5°22 | 10°53 | 17°38 | 9°52 | 25°14 | 16°57 | 13°45 | 25°20 | 25°22 | 13°36 | 16°15 | M14 |
| T 15 | 5 56 39 | 29°13'23 | 23°41 | 6°26 | 6°34 | 11°33 | 17°46 | 9°59 | 25°12 | 16°56 | 13°45 | 25° 7 | 25°18 | 13°43 | 16°13 | T 15 |
| W16 | 6 0 36 | 0♑14'34 | 6♋43 | 7°25 | 7°47 | 12°13 | 17°54 | 10° 6 | 25°10 | 16°55 | 13°45 | 24°53 | 25°15 | 13°50 | 16°11 | W16 |
| T 17 | 6 4 32 | 1°15'45 | 19°30 | 8°27 | 9° 0 | 12°53 | 18° 1 | 10°13 | 25° 8 | 16°54 | 13°44 | 24°40 | 25°12 | 13°56 | 16° 9 | T 17 |
| F 18 | 6 8 29 | 2°16'56 | 2♌ 1 | 9°33 | 10°13 | 13°32 | 18° 9 | 10°19 | 25° 7 | 16°53 | 13°44 | 24°29 | 25° 9 | 14° 3 | 16° 7 | F 18 |
| S 19 | 6 12 26 | 3°18'06 | 14°17 | 10°41 | 11°25 | 14°12 | 18°16 | 10°26 | 25° 5 | 16°51 | 13°44 | 24°20 | 25° 6 | 14°10 | 16° 5 | S 19 |
| S 20 | 6 16 22 | 4°19'17 | 26°19 | 11°51 | 12°38 | 14°52 | 18°23 | 10°33 | 25° 3 | 16°50 | 13°44 | 24°14 | 25° 3 | 14°16 | 16° 3 | S 20 |
| M21 | 6 20 19 | 5°20'27 | 8♍12 | 13° 4 | 13°50 | 15°32 | 18°30 | 10°39 | 25° 1 | 16°49 | 13°44 | 24°11 | 24°59 | 14°23 | 16° 1 | M21 |
| T 22 | 6 24 15 | 6°21'38 | 20° 0 | 14°18 | 15° 2 | 16°12 | 18°37 | 10°46 | 24°59 | 16°48 | 13°44 | 24°D10 | 24°56 | 14°30 | 15°59 | T 22 |
| W23 | 6 28 12 | 7°22'48 | 1♎47 | 15°34 | 16°15 | 16°51 | 18°43 | 10°53 | 24°58 | 16°47 | 13°D44 | 24°R10 | 24°53 | 14°36 | 15°58 | W23 |
| T 24 | 6 32 8 | 8°23'58 | 13°40 | 16°51 | 17°27 | 17°31 | 18°50 | 10°59 | 24°56 | 16°46 | 13°44 | 24°10 | 24°50 | 14°43 | 15°56 | T 24 |
| F 25 | 6 36 5 | 9°25'08 | 25°45 | 18°10 | 18°39 | 18°11 | 18°56 | 11° 6 | 24°54 | 16°44 | 13°44 | 24° 9 | 24°47 | 14°50 | 15°54 | F 25 |
| S 26 | 6 40 1 | 10°26'18 | 8♏ 6 | 19°30 | 19°51 | 18°51 | 19° 2 | 11°12 | 24°53 | 16°43 | 13°44 | 24° 5 | 24°44 | 14°56 | 15°53 | S 26 |
| S 27 | 6 43 58 | 11°27'28 | 20°48 | 20°51 | 21° 3 | 19°31 | 19° 8 | 11°19 | 24°51 | 16°42 | 13°44 | 24° 0 | 24°40 | 15° 3 | 15°51 | S 27 |
| M28 | 6 47 55 | 12°28'38 | 3♐54 | 22°13 | 22°15 | 20°11 | 19°14 | 11°25 | 24°50 | 16°40 | 13°44 | 23°51 | 24°37 | 15° 9 | 15°50 | M28 |
| T 29 | 6 51 51 | 13°29'47 | 17°25 | 23°36 | 23°27 | 20°51 | 19°20 | 11°31 | 24°48 | 16°39 | 13°44 | 23°41 | 24°34 | 15°16 | 15°48 | T 29 |
| W30 | 6 55 48 | 14°30'55 | 1♑20 | 25° 1 | 24°39 | 21°31 | 19°26 | 11°38 | 24°47 | 16°38 | 13°45 | 23°29 | 24°31 | 15°23 | 15°47 | W30 |
| T 31 | 6 59 44 | 15♑32'03 | 15♑36 | 26♐26 | 25♒50 | 22♏10 | 19♎31 | 11♐44 | 24♉46 | 16♌36 | 13♈45 | 23♍17 | 24♍28 | 15♍29 | 15♉46 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s42 | 17s13 | 4n47 | 18s11 | 2n48 | 24s 2 | 1s56 | 11s36 | 0n47 | 5s 5 | 1n15 | 20s24 | 1n25 | 19n 6 | 0s11 | 16n12 | 0n26 | 10s25 | 17s15 | 1n18 | 1n35 | 5n53 | 14n45 | 2s16 |
| W 2 | 22 49 | 18 22 | 5 0 | 17 57 | 2 54 | 23 52 | 1 56 | 11 50 | 0 46 | 5 9 | 1 15 | 20 26 | 1 25 | 19 6 | 0 11 | 16 12 | 0 26 | 10 25 | 17 15 | 1 24 | 1 36 | 5 51 | 14 45 | 2 16 |
| T 3 | 22 55 | 18 27 | 4 56 | 17 46 | 2 58 | 23 40 | 1 56 | 12 4 | 0 46 | 5 12 | 1 15 | 20 27 | 1 25 | 19 5 | 0 11 | 16 12 | 0 26 | 10 24 | 17 14 | 1 29 | 1 37 | 5 50 | 14 44 | 2 16 |
| F 4 | 23 0 | 17 25 | 4 33 | 17 40 | 2 59 | 23 28 | 1 57 | 12 18 | 0 45 | 5 15 | 1 15 | 20 28 | 1 25 | 19 5 | 0 11 | 16 13 | 0 26 | 10 24 | 17 14 | 1 33 | 1 38 | 5 48 | 14 43 | 2 16 |
| S 5 | 23 6 | 15 18 | 3 54 | 17 37 | 2 59 | 23 15 | 1 57 | 12 31 | 0 45 | 5 19 | 1 16 | 20 29 | 1 25 | 19 4 | 0 11 | 16 13 | 0 26 | 10 24 | 17 14 | 1 36 | 1 40 | 5 46 | 14 42 | 2 16 |
| S 6 | 23 11 | 12 15 | 3 0 | 17 38 | 2 58 | 23 2 | 1 57 | 12 45 | 0 45 | 5 22 | 1 16 | 20 30 | 1 25 | 19 4 | 0 11 | 16 13 | 0 27 | 10 24 | 17 13 | 1 39 | 1 41 | 5 44 | 14 42 | 2 16 |
| M 7 | 23 15 | 8 30 | 1 55 | 17 42 | 2 55 | 22 48 | 1 57 | 12 59 | 0 44 | 5 25 | 1 16 | 20 31 | 1 25 | 19 3 | 0 11 | 16 13 | 0 27 | 10 24 | 17 13 | 1 40 | 1 42 | 5 43 | 14 41 | 2 16 |
| T 8 | 23 19 | 4 16 | 0 44 | 17 49 | 2 50 | 22 33 | 1 57 | 13 12 | 0 44 | 5 28 | 1 16 | 20 32 | 1 25 | 19 3 | 0 11 | 16 14 | 0 27 | 10 24 | 17 13 | 1 40 | 1 44 | 5 41 | 14 40 | 2 16 |
| W 9 | 23 22 | 0n10 | 0s31 | 17 58 | 2 45 | 22 18 | 1 57 | 13 26 | 0 43 | 5 31 | 1 16 | 20 33 | 1 25 | 19 2 | 0 11 | 16 14 | 0 27 | 10 23 | 17 12 | 1 40 | 1 45 | 5 39 | 14 39 | 2 16 |
| T 10 | 23 25 | 4 35 | 1 42 | 18 10 | 2 40 | 22 2 | 1 56 | 13 39 | 0 43 | 5 34 | 1 16 | 20 34 | 1 25 | 19 2 | 0 11 | 16 14 | 0 27 | 10 23 | 17 12 | 1 40 | 1 46 | 5 37 | 14 39 | 2 16 |
| F 11 | 23 28 | 8 43 | 2 48 | 18 23 | 2 33 | 21 45 | 1 56 | 13 52 | 0 42 | 5 37 | 1 17 | 20 35 | 1 25 | 19 1 | 0 11 | 16 14 | 0 27 | 10 23 | 17 12 | 1 41 | 1 47 | 5 36 | 14 38 | 2 16 |
| S 12 | 23 30 | 12 21 | 3 43 | 18 38 | 2 26 | 21 28 | 1 55 | 14 5 | 0 42 | 5 40 | 1 17 | 20 36 | 1 25 | 19 1 | 0 11 | 16 15 | 0 27 | 10 23 | 17 11 | 1 44 | 1 49 | 5 34 | 14 37 | 2 16 |
| S 13 | 23 31 | 15 16 | 4 24 | 18 54 | 2 19 | 21 10 | 1 55 | 14 18 | 0 41 | 5 43 | 1 17 | 20 37 | 1 25 | 19 0 | 0 10 | 16 15 | 0 27 | 10 22 | 17 11 | 1 47 | 1 50 | 5 32 | 14 37 | 2 16 |
| M14 | 23 32 | 17 19 | 4 50 | 19 11 | 2 11 | 20 52 | 1 54 | 14 31 | 0 41 | 5 46 | 1 17 | 20 38 | 1 25 | 19 0 | 0 10 | 16 15 | 0 27 | 10 22 | 17 11 | 1 52 | 1 51 | 5 30 | 14 36 | 2 16 |
| T 15 | 23 33 | 18 24 | 5 0 | 19 28 | 2 3 | 20 33 | 1 53 | 14 44 | 0 40 | 5 49 | 1 17 | 20 39 | 1 25 | 18 59 | 0 10 | 16 16 | 0 27 | 10 22 | 17 10 | 1 57 | 1 52 | 5 29 | 14 35 | 2 16 |
| W16 | 23 33 | 18 29 | 4 54 | 19 46 | 1 54 | 20 13 | 1 53 | 14 57 | 0 40 | 5 52 | 1 18 | 20 40 | 1 25 | 18 59 | 0 10 | 16 16 | 0 27 | 10 22 | 17 10 | 2 3 | 1 54 | 5 27 | 14 35 | 2 16 |
| T 17 | 23 33 | 17 37 | 4 33 | 20 5 | 1 46 | 19 53 | 1 52 | 15 9 | 0 39 | 5 54 | 1 18 | 20 41 | 1 25 | 18 58 | 0 10 | 16 16 | 0 27 | 10 21 | 17 10 | 2 8 | 1 55 | 5 25 | 14 34 | 2 16 |
| F 18 | 23 32 | 15 55 | 3 59 | 20 23 | 1 37 | 19 32 | 1 51 | 15 22 | 0 39 | 5 57 | 1 18 | 20 42 | 1 25 | 18 58 | 0 10 | 16 17 | 0 27 | 10 21 | 17 9 | 2 12 | 1 56 | 5 23 | 14 34 | 2 16 |
| S 19 | 23 31 | 13 31 | 3 15 | 20 42 | 1 29 | 19 11 | 1 49 | 15 34 | 0 38 | 5 59 | 1 18 | 20 43 | 1 25 | 18 57 | 0 10 | 16 17 | 0 27 | 10 21 | 17 9 | 2 16 | 1 57 | 5 22 | 14 33 | 2 16 |
| S 20 | 23 29 | 10 35 | 2 22 | 21 0 | 1 20 | 18 50 | 1 48 | 15 46 | 0 38 | 6 2 | 1 18 | 20 44 | 1 25 | 18 57 | 0 10 | 16 17 | 0 27 | 10 20 | 17 8 | 2 18 | 1 59 | 5 20 | 14 33 | 2 16 |
| M21 | 23 27 | 7 14 | 1 24 | 21 18 | 1 11 | 18 27 | 1 47 | 15 59 | 0 37 | 6 4 | 1 19 | 20 45 | 1 25 | 18 57 | 0 10 | 16 18 | 0 27 | 10 20 | 17 8 | 2 19 | 2 0 | 5 18 | 14 32 | 2 16 |
| T 22 | 23 24 | 3 39 | 0 22 | 21 35 | 1 3 | 18 5 | 1 45 | 16 11 | 0 37 | 6 7 | 1 19 | 20 46 | 1 25 | 18 56 | 0 10 | 16 18 | 0 27 | 10 20 | 17 8 | 2 20 | 2 1 | 5 16 | 14 32 | 2 16 |
| W23 | 23 21 | 0s 6 | 0n40 | 21 52 | 0 54 | 17 42 | 1 44 | 16 22 | 0 36 | 6 9 | 1 19 | 20 47 | 1 25 | 18 56 | 0 10 | 16 19 | 0 27 | 10 20 | 17 7 | 2 20 | 2 3 | 5 14 | 14 31 | 2 16 |
| T 24 | 23 17 | 3 51 | 1 42 | 22 9 | 0 46 | 17 18 | 1 42 | 16 34 | 0 36 | 6 11 | 1 19 | 20 48 | 1 25 | 18 55 | 0 10 | 16 19 | 0 27 | 10 19 | 17 7 | 2 20 | 2 4 | 5 13 | 14 31 | 2 16 |
| F 25 | 23 13 | 7 31 | 2 40 | 22 24 | 0 37 | 16 54 | 1 41 | 16 46 | 0 35 | 6 14 | 1 19 | 20 49 | 1 25 | 18 55 | 0 10 | 16 19 | 0 27 | 10 19 | 17 7 | 2 20 | 2 5 | 5 11 | 14 30 | 2 16 |
| S 26 | 23 8 | 10 56 | 3 31 | 22 39 | 0 29 | 16 30 | 1 39 | 16 58 | 0 34 | 6 16 | 1 20 | 20 50 | 1 25 | 18 55 | 0 10 | 16 20 | 0 27 | 10 18 | 17 6 | 2 21 | 2 6 | 5 9 | 14 30 | 2 16 |
| S 27 | 23 3 | 13 57 | 4 14 | 22 54 | 0 21 | 16 5 | 1 37 | 17 9 | 0 34 | 6 18 | 1 20 | 20 51 | 1 25 | 18 54 | 0 10 | 16 20 | 0 27 | 10 18 | 17 6 | 2 24 | 2 8 | 5 7 | 14 29 | 2 16 |
| M28 | 22 58 | 16 22 | 4 45 | 23 7 | 0 12 | 15 39 | 1 35 | 17 20 | 0 33 | 6 20 | 1 20 | 20 52 | 1 25 | 18 54 | 0 10 | 16 21 | 0 27 | 10 18 | 17 6 | 2 27 | 2 9 | 5 6 | 14 29 | 2 16 |
| T 29 | 22 52 | 17 58 | 5 1 | 23 19 | 0 5 | 15 14 | 1 33 | 17 32 | 0 33 | 6 22 | 1 20 | 20 53 | 1 25 | 18 54 | 0 10 | 16 21 | 0 27 | 10 17 | 17 5 | 2 31 | 2 10 | 5 4 | 14 29 | 2 16 |
| W30 | 22 45 | 18 33 | 5 0 | 23 31 | 0s 3 | 14 48 | 1 31 | 17 43 | 0 32 | 6 24 | 1 21 | 20 53 | 1 25 | 18 53 | 0 10 | 16 21 | 0 27 | 10 17 | 17 5 | 2 36 | 2 11 | 5 2 | 14 28 | 2 16 |
| T 31 | 22s39 | 18s 0 | 4n40 | 23s41 | 0s11 | 14s21 | 1s28 | 17s54 | 0n31 | 6s26 | 1n21 | 20s54 | 1n25 | 18n53 | 0s10 | 16n22 | 0n27 | 10s16 | 17s 4 | 2n41 | 2n13 | 5n 0 | 14n28 | 2s16 |

Julian Day Number = 2124262.5, Delta T = 17m30s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'53, Lahiri = 11°21'54 Julian Calendar 1 Dec. 1103 == Greg. Calendar 8 Dec. 1103


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## JANUARY 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 3 41 | 16♑33'11 | 0♒ 6 | 27♐52 | 27♒ 2 | 22♏50 | 19♎36 | 11♐50 | 24°R44 | 16°R35 | 13♈45 | 23°R 7 | 24♍24 | 15♍36 | 15°R45 | F 1 |
| S 2 | 7 7 37 | 17°34'17 | 14°44 | 29°18 | 28°13 | 23°30 | 19°41 | 11°57 | 24♉43 | 16♌34 | 13°45 | 23♍ 0 | 24°21 | 15°43 | 15♉44 | S 2 |
| S 3 | 7 11 34 | 18°35'23 | 29°22 | 0♑46 | 29°25 | 24°10 | 19°46 | 12° 3 | 24°42 | 16°32 | 13°45 | 22°55 | 24°18 | 15°49 | 15°43 | S 3 |
| M 4 | 7 15 30 | 19°36'28 | 13♓55 | 2°14 | 0♓36 | 24°50 | 19°51 | 12° 9 | 24°41 | 16°31 | 13°46 | 22°53 | 24°15 | 15°56 | 15°42 | M 4 |
| T 5 | 7 19 27 | 20°37'31 | 28°17 | 3°43 | 1°47 | 25°30 | 19°56 | 12°15 | 24°40 | 16°29 | 13°46 | 22°D52 | 24°12 | 16° 3 | 15°41 | T 5 |
| W 6 | 7 23 24 | 21°38'33 | 12♈26 | 5°12 | 2°58 | 26°10 | 20° 0 | 12°21 | 24°38 | 16°28 | 13°46 | 22°53 | 24° 9 | 16° 9 | 15°40 | W 6 |
| T 7 | 7 27 20 | 22°39'34 | 26°22 | 6°42 | 4° 9 | 26°50 | 20° 4 | 12°27 | 24°37 | 16°26 | 13°47 | 22°R53 | 24° 5 | 16°16 | 15°39 | T 7 |
| F 8 | 7 31 17 | 23°40'34 | 10♉ 5 | 8°13 | 5°20 | 27°30 | 20° 8 | 12°33 | 24°36 | 16°25 | 13°47 | 22°52 | 24° 2 | 16°23 | 15°38 | F 8 |
| S 9 | 7 35 13 | 24°41'33 | 23°35 | 9°45 | 6°31 | 28°10 | 20°12 | 12°39 | 24°35 | 16°23 | 13°47 | 22°48 | 23°59 | 16°29 | 15°38 | S 9 |
| S 10 | 7 39 10 | 25°42'30 | 6♊52 | 11°17 | 7°41 | 28°50 | 20°16 | 12°44 | 24°35 | 16°22 | 13°48 | 22°42 | 23°56 | 16°36 | 15°37 | S 10 |
| M11 | 7 43 6 | 26°43'27 | 19°58 | 12°50 | 8°52 | 29°30 | 20°20 | 12°50 | 24°34 | 16°20 | 13°48 | 22°34 | 23°53 | 16°43 | 15°37 | M11 |
| T 12 | 7 47 3 | 27°44'22 | 2♋52 | 14°24 | 10° 2 | 0♐10 | 20°23 | 12°56 | 24°33 | 16°19 | 13°49 | 22°24 | 23°50 | 16°49 | 15°36 | T 12 |
| W13 | 7 50 59 | 28°45'15 | 15°34 | 15°58 | 11°12 | 0°50 | 20°26 | 13° 1 | 24°32 | 16°17 | 13°49 | 22°13 | 23°46 | 16°56 | 15°36 | W13 |
| T 14 | 7 54 56 | 29°46'08 | 28° 3 | 17°33 | 12°22 | 1°30 | 20°29 | 13° 7 | 24°32 | 16°15 | 13°50 | 22° 3 | 23°43 | 17° 2 | 15°36 | T 14 |
| F 15 | 7 58 53 | 0♒46'59 | 10♌21 | 19° 9 | 13°32 | 2°10 | 20°32 | 13°13 | 24°31 | 16°14 | 13°50 | 21°55 | 23°40 | 17° 9 | 15°35 | F 15 |
| S 16 | 8 2 49 | 1°47'49 | 22°28 | 20°45 | 14°42 | 2°50 | 20°35 | 13°18 | 24°30 | 16°12 | 13°51 | 21°48 | 23°37 | 17°16 | 15°35 | S 16 |
| S 17 | 8 6 46 | 2°48'38 | 4♍25 | 22°23 | 15°51 | 3°30 | 20°37 | 13°23 | 24°30 | 16°11 | 13°51 | 21°44 | 23°34 | 17°22 | 15°35 | S 17 |
| M18 | 8 10 42 | 3°49'26 | 16°16 | 24° 1 | 17° 0 | 4°10 | 20°40 | 13°29 | 24°29 | 16° 9 | 13°52 | 21°D43 | 23°30 | 17°29 | 15°D35 | M18 |
| T 19 | 8 14 39 | 4°50'13 | 28° 3 | 25°39 | 18°10 | 4°50 | 20°42 | 13°34 | 24°29 | 16° 7 | 13°52 | 21°43 | 23°27 | 17°36 | 15°35 | T 19 |
| W20 | 8 18 35 | 5°50'59 | 9♎50 | 27°19 | 19°19 | 5°31 | 20°44 | 13°39 | 24°29 | 16° 6 | 13°53 | 21°44 | 23°24 | 17°42 | 15°35 | W20 |
| T 21 | 8 22 32 | 6°51'43 | 21°42 | 28°59 | 20°28 | 6°11 | 20°45 | 13°45 | 24°28 | 16° 4 | 13°54 | 21°45 | 23°21 | 17°49 | 15°35 | T 21 |
| F 22 | 8 26 28 | 7°52'27 | 3♏45 | 0♒40 | 21°36 | 6°51 | 20°47 | 13°50 | 24°28 | 16° 2 | 13°54 | 21°R46 | 23°18 | 17°56 | 15°36 | F 22 |
| S 23 | 8 30 25 | 8°53'09 | 16° 3 | 2°22 | 22°45 | 7°31 | 20°48 | 13°55 | 24°28 | 16° 1 | 13°55 | 21°46 | 23°15 | 18° 2 | 15°36 | S 23 |
| S 24 | 8 34 22 | 9°53'50 | 28°42 | 4° 5 | 23°53 | 8°11 | 20°50 | 14° 0 | 24°28 | 15°59 | 13°56 | 21°44 | 23°11 | 18° 9 | 15°36 | S 24 |
| M25 | 8 38 18 | 10°54'30 | 11♐45 | 5°49 | 25° 2 | 8°51 | 20°51 | 14° 4 | 24°28 | 15°57 | 13°56 | 21°41 | 23° 8 | 18°16 | 15°37 | M25 |
| T 26 | 8 42 15 | 11°55'09 | 25°16 | 7°33 | 26°10 | 9°31 | 20°51 | 14° 9 | 24°D28 | 15°56 | 13°57 | 21°35 | 23° 5 | 18°22 | 15°37 | T 26 |
| W27 | 8 46 11 | 12°55'47 | 9♑14 | 9°19 | 27°18 | 10°11 | 20°52 | 14°14 | 24°28 | 15°54 | 13°58 | 21°29 | 23° 2 | 18°29 | 15°38 | W27 |
| T 28 | 8 50 8 | 13°56'23 | 23°38 | 11° 5 | 28°25 | 10°52 | 20°52 | 14°19 | 24°28 | 15°52 | 13°59 | 21°23 | 22°59 | 18°36 | 15°39 | T 28 |
| F 29 | 8 54 4 | 14°56'58 | 8♒23 | 12°52 | 29°33 | 11°32 | 20°53 | 14°23 | 24°28 | 15°51 | 13°59 | 21°17 | 22°56 | 18°42 | 15°39 | F 29 |
| S 30 | 8 58 1 | 15°57'31 | 23°20 | 14°40 | 0♈40 | 12°12 | 20°R53 | 14°28 | 24°28 | 15°49 | 14° 0 | 21°13 | 22°52 | 18°49 | 15°40 | S 30 |
| S 31 | 9 1 57 | 16♒58'02 | 8♓22 | 16♒29 | 1♈47 | 12♐52 | 20♎53 | 14♐32 | 24♉28 | 15♌47 | 14♈ 1 | 21♍11 | 22♍49 | 18♍55 | 15♉41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s31 | 16s16 | 4n 2 | 23s50 | 0s18 | 13s54 | 1s26 | 18s 4 | 0n31 | 6s27 | 1n21 | 20s55 | 1n25 | 18n53 | 0s10 | 16n22 | 0n27 | 10s16 | 17s 4 | 2n45 | 2n14 | 4n58 | 14n28 | 2s16 |
| S 2 | 22 24 | 13 29 | 3 9 | 23 59 | 0 26 | 13 27 | 1 24 | 18 15 | 0 30 | 6 29 | 1 21 | 20 56 | 1 25 | 18 52 | 0 10 | 16 23 | 0 27 | 10 16 | 17 4 | 2 48 | 2 15 | 4 57 | 14 27 | 2 16 |
| S 3 | 22 15 | 9 51 | 2 2 | 24 6 | 0 33 | 13 0 | 1 21 | 18 25 | 0 30 | 6 31 | 1 21 | 20 57 | 1 25 | 18 52 | 0 10 | 16 23 | 0 27 | 10 15 | 17 3 | 2 50 | 2 16 | 4 55 | 14 27 | 2 16 |
| M 4 | 22 7 | 5 38 | 0 48 | 24 12 | 0 40 | 12 32 | 1 18 | 18 36 | 0 29 | 6 32 | 1 22 | 20 57 | 1 25 | 18 52 | 0 10 | 16 24 | 0 27 | 10 15 | 17 3 | 2 50 | 2 18 | 4 53 | 14 27 | 2 16 |
| T 5 | 21 58 | 1 8 | 0s29 | 24 16 | 0 46 | 12 4 | 1 16 | 18 46 | 0 28 | 6 34 | 1 22 | 20 58 | 1 25 | 18 52 | 0 10 | 16 24 | 0 27 | 10 14 | 17 3 | 2 50 | 2 19 | 4 51 | 14 27 | 2 16 |
| W 6 | 21 48 | 3n22 | 1 43 | 24 20 | 0 53 | 11 36 | 1 13 | 18 56 | 0 28 | 6 35 | 1 22 | 20 59 | 1 25 | 18 51 | 0 10 | 16 25 | 0 27 | 10 14 | 17 2 | 2 50 | 2 20 | 4 50 | 14 27 | 2 16 |
| T 7 | 21 38 | 7 36 | 2 49 | 24 22 | 0 59 | 11 7 | 1 10 | 19 6 | 0 27 | 6 37 | 1 22 | 21 0 | 1 25 | 18 51 | 0 10 | 16 25 | 0 27 | 10 13 | 17 2 | 2 50 | 2 21 | 4 48 | 14 26 | 2 16 |
| F 8 | 21 28 | 11 21 | 3 45 | 24 23 | 1 5 | 10 38 | 1 7 | 19 16 | 0 26 | 6 38 | 1 23 | 21 0 | 1 25 | 18 51 | 0 10 | 16 25 | 0 27 | 10 13 | 17 2 | 2 51 | 2 23 | 4 46 | 14 26 | 2 16 |
| S 9 | 21 17 | 14 27 | 4 27 | 24 22 | 1 11 | 10 9 | 1 4 | 19 26 | 0 26 | 6 39 | 1 23 | 21 1 | 1 25 | 18 51 | 0 10 | 16 26 | 0 27 | 10 13 | 17 1 | 2 52 | 2 24 | 4 44 | 14 26 | 2 16 |
| S 10 | 21 6 | 16 44 | 4 54 | 24 20 | 1 16 | 9 40 | 1 1 | 19 35 | 0 25 | 6 40 | 1 23 | 21 2 | 1 25 | 18 50 | 0 10 | 16 26 | 0 27 | 10 12 | 17 1 | 2 55 | 2 25 | 4 42 | 14 26 | 2 15 |
| M11 | 20 55 | 18 6 | 5 5 | 24 17 | 1 22 | 9 10 | 0 57 | 19 45 | 0 24 | 6 42 | 1 23 | 21 3 | 1 25 | 18 50 | 0 10 | 16 27 | 0 27 | 10 12 | 17 0 | 2 58 | 2 27 | 4 41 | 14 26 | 2 15 |
| T 12 | 20 43 | 18 31 | 5 0 | 24 12 | 1 27 | 8 41 | 0 54 | 19 54 | 0 24 | 6 43 | 1 24 | 21 3 | 1 25 | 18 50 | 0 10 | 16 27 | 0 27 | 10 11 | 17 0 | 3 2 | 2 28 | 4 39 | 14 26 | 2 15 |
| W13 | 20 30 | 17 59 | 4 41 | 24 6 | 1 31 | 8 11 | 0 50 | 20 3 | 0 23 | 6 44 | 1 24 | 21 4 | 1 25 | 18 50 | 0 10 | 16 28 | 0 27 | 10 11 | 17 0 | 3 6 | 2 29 | 4 37 | 14 26 | 2 15 |
| T 14 | 20 18 | 16 36 | 4 8 | 23 59 | 1 36 | 7 40 | 0 47 | 20 12 | 0 22 | 6 45 | 1 24 | 21 5 | 1 25 | 18 50 | 0 10 | 16 28 | 0 27 | 10 10 | 16 59 | 3 10 | 2 30 | 4 35 | 14 26 | 2 15 |
| F 15 | 20 5 | 14 27 | 3 24 | 23 50 | 1 40 | 7 10 | 0 43 | 20 20 | 0 22 | 6 45 | 1 24 | 21 5 | 1 25 | 18 50 | 0 10 | 16 29 | 0 27 | 10 10 | 16 59 | 3 13 | 2 32 | 4 34 | 14 26 | 2 15 |
| S 16 | 19 51 | 11 43 | 2 31 | 23 39 | 1 44 | 6 40 | 0 40 | 20 29 | 0 21 | 6 46 | 1 25 | 21 6 | 1 25 | 18 50 | 0 10 | 16 29 | 0 27 | 10 9 | 16 59 | 3 16 | 2 33 | 4 32 | 14 26 | 2 15 |
| S 17 | 19 37 | 8 30 | 1 32 | 23 27 | 1 48 | 6 9 | 0 36 | 20 38 | 0 20 | 6 47 | 1 25 | 21 6 | 1 25 | 18 49 | 0 10 | 16 30 | 0 27 | 10 8 | 16 58 | 3 17 | 2 34 | 4 30 | 14 26 | 2 15 |
| M18 | 19 23 | 5 0 | 0 29 | 23 14 | 1 51 | 5 39 | 0 32 | 20 46 | 0 19 | 6 48 | 1 25 | 21 7 | 1 25 | 18 49 | 0 10 | 16 30 | 0 27 | 10 8 | 16 58 | 3 18 | 2 35 | 4 28 | 14 26 | 2 15 |
| T 19 | 19 9 | 1 18 | 0n34 | 22 59 | 1 54 | 5 8 | 0 28 | 20 54 | 0 19 | 6 48 | 1 25 | 21 8 | 1 25 | 18 49 | 0 10 | 16 31 | 0 27 | 10 7 | 16 58 | 3 18 | 2 37 | 4 26 | 14 26 | 2 15 |
| W20 | 18 54 | 2s26 | 1 37 | 22 42 | 1 56 | 4 37 | 0 24 | 21 2 | 0 18 | 6 49 | 1 26 | 21 8 | 1 25 | 18 49 | 0 10 | 16 31 | 0 27 | 10 7 | 16 57 | 3 18 | 2 38 | 4 25 | 14 26 | 2 15 |
| T 21 | 18 39 | 6 6 | 2 36 | 22 24 | 1 59 | 4 6 | 0 20 | 21 10 | 0 17 | 6 49 | 1 26 | 21 9 | 1 25 | 18 49 | 0 10 | 16 32 | 0 27 | 10 6 | 16 57 | 3 17 | 2 39 | 4 23 | 14 26 | 2 15 |
| F 22 | 18 23 | 9 34 | 3 28 | 22 4 | 2 1 | 3 35 | 0 16 | 21 17 | 0 16 | 6 49 | 1 26 | 21 9 | 1 25 | 18 49 | 0 10 | 16 32 | 0 27 | 10 6 | 16 57 | 3 17 | 2 40 | 4 21 | 14 26 | 2 15 |
| S 23 | 18 7 | 12 41 | 4 13 | 21 42 | 2 2 | 3 4 | 0 11 | 21 25 | 0 16 | 6 50 | 1 26 | 21 10 | 1 25 | 18 49 | 0 10 | 16 33 | 0 27 | 10 5 | 16 56 | 3 17 | 2 42 | 4 19 | 14 26 | 2 15 |
| S 24 | 17 51 | 15 19 | 4 46 | 21 19 | 2 3 | 2 33 | 0 7 | 21 32 | 0 15 | 6 50 | 1 26 | 21 10 | 1 25 | 18 49 | 0 10 | 16 33 | 0 27 | 10 5 | 16 56 | 3 18 | 2 43 | 4 17 | 14 27 | 2 15 |
| M25 | 17 35 | 17 15 | 5 6 | 20 54 | 2 4 | 2 1 | 0 3 | 21 39 | 0 14 | 6 50 | 1 27 | 21 11 | 1 25 | 18 49 | 0 10 | 16 34 | 0 27 | 10 4 | 16 56 | 3 19 | 2 44 | 4 16 | 14 27 | 2 15 |
| T 26 | 17 18 | 18 18 | 5 10 | 20 28 | 2 4 | 1 30 | 0n 2 | 21 46 | 0 13 | 6 50 | 1 27 | 21 12 | 1 25 | 18 49 | 0 10 | 16 34 | 0 28 | 10 4 | 16 55 | 3 21 | 2 45 | 4 14 | 14 27 | 2 15 |
| W27 | 17 1 | 18 18 | 4 56 | 20 0 | 2 4 | 0 59 | 0 6 | 21 53 | 0 12 | 6 50 | 1 27 | 21 12 | 1 26 | 18 49 | 0 10 | 16 35 | 0 28 | 10 3 | 16 55 | 3 23 | 2 47 | 4 12 | 14 27 | 2 15 |
| T 28 | 16 43 | 17 9 | 4 23 | 19 30 | 2 3 | 0 28 | 0 11 | 21 59 | 0 11 | 6 50 | 1 27 | 21 13 | 1 26 | 18 49 | 0 10 | 16 36 | 0 28 | 10 2 | 16 55 | 3 26 | 2 48 | 4 10 | 14 27 | 2 14 |
| F 29 | 16 26 | 14 50 | 3 32 | 18 59 | 2 2 | 0n 4 | 0 16 | 22 6 | 0 11 | 6 50 | 1 28 | 21 13 | 1 26 | 18 49 | 0 10 | 16 36 | 0 28 | 10 2 | 16 54 | 3 28 | 2 49 | 4 8 | 14 28 | 2 14 |
| S 30 | 16 8 | 11 30 | 2 26 | 18 26 | 2 1 | 0 35 | 0 21 | 22 12 | 0 10 | 6 50 | 1 28 | 21 13 | 1 26 | 18 49 | 0 10 | 16 37 | 0 28 | 10 1 | 16 54 | 3 30 | 2 51 | 4 7 | 14 28 | 2 14 |
| S 31 | 15s49 | 7s24 | 1n10 | 17s52 | 1s59 | 1n 6 | 0n25 | 22s18 | 0n 9 | 6s50 | 1n28 | 21s14 | 1n26 | 18n49 | 0s10 | 16n37 | 0n28 | 10s 1 | 16s54 | 3n31 | 2n52 | 4n 5 | 14n28 | 2s14 |

Julian Day Number = 2124293.5, Delta T = 17m30s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°14'57, Lahiri = 11°21'58 Julian Calendar 1 Jan. 1104 == Greg. Calendar 8 Jan. 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## FEBRUARY 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 5 54 | 17♒58'32 | 23♓19 | 18♒19 | 2♈54 | 13♐32 | 20°R52 | 14♐37 | 24♉28 | 15°R46 | 14♈ 2 | 21°D10 | 22♍46 | 19♍ 2 | 15♉42 | M 1 |
| T 2 | 9 9 51 | 18°58'59 | 8♈ 4 | 20° 9 | 4° 0 | 14°12 | 20♎52 | 14°41 | 24°29 | 15♌44 | 14° 3 | 21♍11 | 22°43 | 19° 9 | 15°43 | T 2 |
| W 3 | 9 13 47 | 19°59'25 | 22°32 | 22° 0 | 5° 7 | 14°53 | 20°51 | 14°45 | 24°29 | 15°42 | 14° 4 | 21°13 | 22°40 | 19°15 | 15°44 | W 3 |
| T 4 | 9 17 44 | 20°59'49 | 6♉39 | 23°52 | 6°13 | 15°33 | 20°50 | 14°49 | 24°29 | 15°41 | 14° 5 | 21°14 | 22°36 | 19°22 | 15°45 | T 4 |
| F 5 | 9 21 40 | 22° 0'11 | 20°26 | 25°45 | 7°18 | 16°13 | 20°49 | 14°53 | 24°30 | 15°39 | 14° 5 | 21°R15 | 22°33 | 19°29 | 15°46 | F 5 |
| S 6 | 9 25 37 | 23° 0'31 | 3♊52 | 27°39 | 8°24 | 16°53 | 20°48 | 14°57 | 24°31 | 15°37 | 14° 6 | 21°14 | 22°30 | 19°35 | 15°47 | S 6 |
| S 7 | 9 29 33 | 24° 0'49 | 16°59 | 29°32 | 9°29 | 17°33 | 20°46 | 15° 1 | 24°31 | 15°36 | 14° 7 | 21°13 | 22°27 | 19°42 | 15°49 | S 7 |
| M 8 | 9 33 30 | 25° 1'04 | 29°50 | 1♋27 | 10°34 | 18°13 | 20°45 | 15° 5 | 24°32 | 15°34 | 14° 8 | 21°10 | 22°24 | 19°49 | 15°50 | M 8 |
| T 9 | 9 37 26 | 26° 1'18 | 12♋27 | 3°21 | 11°39 | 18°53 | 20°43 | 15° 9 | 24°32 | 15°32 | 14° 9 | 21° 6 | 22°21 | 19°55 | 15°52 | T 9 |
| W10 | 9 41 23 | 27° 1'30 | 24°50 | 5°16 | 12°44 | 19°34 | 20°41 | 15°13 | 24°33 | 15°31 | 14°10 | 21° 2 | 22°17 | 20° 2 | 15°53 | W10 |
| T 11 | 9 45 20 | 28° 1'40 | 7♌ 4 | 7°10 | 13°48 | 20°14 | 20°39 | 15°16 | 24°34 | 15°29 | 14°11 | 20°58 | 22°14 | 20° 9 | 15°55 | T 11 |
| F 12 | 9 49 16 | 29° 1'47 | 19° 8 | 9° 4 | 14°51 | 20°54 | 20°36 | 15°20 | 24°35 | 15°27 | 14°12 | 20°54 | 22°11 | 20°15 | 15°56 | F 12 |
| S 13 | 9 53 13 | 0♓ 1'53 | 1♍ 5 | 10°57 | 15°55 | 21°34 | 20°34 | 15°23 | 24°36 | 15°26 | 14°13 | 20°52 | 22° 8 | 20°22 | 15°58 | S 13 |
| S 14 | 9 57 9 | 1° 1'57 | 12°56 | 12°50 | 16°58 | 22°14 | 20°31 | 15°26 | 24°37 | 15°24 | 14°14 | 20°51 | 22° 5 | 20°28 | 16° 0 | S 14 |
| M15 | 10 1 6 | 2° 1'59 | 24°45 | 14°41 | 18° 1 | 22°55 | 20°28 | 15°30 | 24°38 | 15°23 | 14°15 | 20°D50 | 22° 1 | 20°35 | 16° 2 | M15 |
| T 16 | 10 5 2 | 3° 1'59 | 6♎32 | 16°30 | 19° 3 | 23°35 | 20°25 | 15°33 | 24°39 | 15°21 | 14°17 | 20°51 | 21°58 | 20°42 | 16° 4 | T 16 |
| W17 | 10 8 59 | 4° 1'57 | 18°21 | 18°17 | 20° 6 | 24°15 | 20°22 | 15°36 | 24°40 | 15°19 | 14°18 | 20°52 | 21°55 | 20°48 | 16° 6 | W17 |
| T 18 | 10 12 55 | 5° 1'54 | 0♏16 | 20° 1 | 21° 7 | 24°55 | 20°18 | 15°39 | 24°41 | 15°18 | 14°19 | 20°54 | 21°52 | 20°55 | 16° 8 | T 18 |
| F 19 | 10 16 52 | 6° 1'48 | 12°20 | 21°43 | 22° 9 | 25°35 | 20°15 | 15°42 | 24°42 | 15°16 | 14°20 | 20°55 | 21°49 | 21° 2 | 16°10 | F 19 |
| S 20 | 10 20 49 | 7° 1'42 | 24°37 | 23°20 | 23°10 | 26°15 | 20°11 | 15°45 | 24°44 | 15°15 | 14°21 | 20°56 | 21°46 | 21° 8 | 16°12 | S 20 |
| S 21 | 10 24 45 | 8° 1'33 | 7♐13 | 24°54 | 24°10 | 26°56 | 20° 7 | 15°47 | 24°45 | 15°13 | 14°22 | 20°R57 | 21°42 | 21°15 | 16°14 | S 21 |
| M22 | 10 28 42 | 9° 1'23 | 20°10 | 26°23 | 25°11 | 27°36 | 20° 3 | 15°50 | 24°46 | 15°12 | 14°23 | 20°56 | 21°39 | 21°22 | 16°16 | M22 |
| T 23 | 10 32 38 | 10° 1'11 | 3♑33 | 27°46 | 26°10 | 28°16 | 19°58 | 15°52 | 24°48 | 15°10 | 14°24 | 20°56 | 21°36 | 21°28 | 16°19 | T 23 |
| W24 | 10 36 35 | 11° 0'57 | 17°23 | 29° 4 | 27°10 | 28°56 | 19°54 | 15°55 | 24°49 | 15° 9 | 14°26 | 20°54 | 21°33 | 21°35 | 16°21 | W24 |
| T 25 | 10 40 31 | 12° 0'42 | 1♒40 | 0♈16 | 28° 8 | 29°36 | 19°49 | 15°57 | 24°51 | 15° 7 | 14°27 | 20°53 | 21°30 | 21°42 | 16°23 | T 25 |
| F 26 | 10 44 28 | 13° 0'24 | 16°22 | 1°21 | 29° 7 | 0♑16 | 19°45 | 15°59 | 24°52 | 15° 6 | 14°28 | 20°52 | 21°27 | 21°48 | 16°26 | F 26 |
| S 27 | 10 48 24 | 14° 0'05 | 1♓22 | 2°20 | 0♉ 5 | 0°57 | 19°40 | 16° 2 | 24°54 | 15° 4 | 14°29 | 20°52 | 21°23 | 21°55 | 16°28 | S 27 |
| S 28 | 10 52 21 | 14°59'44 | 16°32 | 3°11 | 1° 2 | 1°37 | 19°35 | 16° 4 | 24°55 | 15° 3 | 14°31 | 20°D51 | 21°20 | 22° 1 | 16°31 | S 28 |
| M29 | 10 56 17 | 15♓59'20 | 1♈44 | 3♈54 | 1♉59 | 2♑17 | 19♎29 | 16♐ 6 | 24♉57 | 15♌ 2 | 14♈32 | 20♍52 | 21♍17 | 22♍ 8 | 16♉34 | M29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15s31 | 2s51 | 0s12 | 17s15 | 1s56 | 1n37 | 0n30 | 22s24 | 0n 8 | 6s49 | 1n28 | 21s14 | 1n26 | 18n49 | 0s10 | 16n38 | 0n28 | 10s 0 | 16s53 | 3n31 | 2n53 | 4n 3 | 14n29 | 2s14 |
| T 2 | 15 12 | 1n49 | 1 31 | 16 37 | 1 53 | 2 8 | 0 35 | 22 30 | 0 7 | 6 49 | 1 29 | 21 15 | 1 26 | 18 49 | 0 10 | 16 38 | 0 28 | 9 59 | 16 53 | 3 31 | 2 54 | 4 1 | 14 29 | 2 14 |
| W 3 | 14 53 | 6 17 | 2 43 | 15 58 | 1 50 | 2 39 | 0 40 | 22 35 | 0 6 | 6 48 | 1 29 | 21 15 | 1 26 | 18 50 | 0 10 | 16 39 | 0 28 | 9 59 | 16 53 | 3 30 | 2 56 | 3 59 | 14 29 | 2 14 |
| T 4 | 14 34 | 10 16 | 3 44 | 15 17 | 1 45 | 3 10 | 0 45 | 22 41 | 0 5 | 6 48 | 1 29 | 21 16 | 1 26 | 18 50 | 0 10 | 16 39 | 0 28 | 9 58 | 16 53 | 3 29 | 2 57 | 3 58 | 14 30 | 2 14 |
| F 5 | 14 14 | 13 36 | 4 30 | 14 34 | 1 41 | 3 41 | 0 50 | 22 46 | 0 4 | 6 47 | 1 29 | 21 16 | 1 26 | 18 50 | 0 10 | 16 40 | 0 28 | 9 58 | 16 52 | 3 29 | 2 58 | 3 56 | 14 30 | 2 14 |
| S 6 | 13 55 | 16 7 | 5 0 | 13 50 | 1 35 | 4 12 | 0 55 | 22 51 | 0 4 | 6 46 | 1 30 | 21 16 | 1 26 | 18 50 | 0 10 | 16 40 | 0 28 | 9 57 | 16 52 | 3 29 | 2 59 | 3 54 | 14 30 | 2 14 |
| S 7 | 13 35 | 17 43 | 5 13 | 13 5 | 1 29 | 4 42 | 1 1 | 22 55 | 0 3 | 6 46 | 1 30 | 21 17 | 1 26 | 18 50 | 0 10 | 16 41 | 0 28 | 9 56 | 16 52 | 3 30 | 3 1 | 3 52 | 14 31 | 2 14 |
| M 8 | 13 15 | 18 23 | 5 11 | 12 18 | 1 23 | 5 13 | 1 6 | 23 0 | 0 2 | 6 45 | 1 30 | 21 17 | 1 26 | 18 50 | 0 10 | 16 41 | 0 28 | 9 56 | 16 51 | 3 31 | 3 2 | 3 50 | 14 31 | 2 14 |
| T 9 | 12 54 | 18 7 | 4 53 | 11 30 | 1 16 | 5 43 | 1 11 | 23 4 | 0 1 | 6 44 | 1 30 | 21 17 | 1 26 | 18 50 | 0 10 | 16 42 | 0 28 | 9 55 | 16 51 | 3 33 | 3 3 | 3 49 | 14 32 | 2 14 |
| W10 | 12 34 | 16 58 | 4 21 | 10 41 | 1 8 | 6 13 | 1 16 | 23 9 | 0s 0 | 6 43 | 1 31 | 21 18 | 1 26 | 18 51 | 0 9 | 16 42 | 0 28 | 9 54 | 16 51 | 3 34 | 3 4 | 3 47 | 14 32 | 2 14 |
| T 11 | 12 13 | 15 4 | 3 39 | 9 50 | 0 59 | 6 43 | 1 22 | 23 13 | 0 1 | 6 42 | 1 31 | 21 18 | 1 27 | 18 51 | 0 9 | 16 43 | 0 28 | 9 54 | 16 51 | 3 36 | 3 6 | 3 45 | 14 33 | 2 14 |
| F 12 | 11 52 | 12 31 | 2 46 | 8 59 | 0 50 | 7 13 | 1 27 | 23 16 | 0 2 | 6 41 | 1 31 | 21 18 | 1 27 | 18 51 | 0 9 | 16 43 | 0 28 | 9 53 | 16 50 | 3 37 | 3 7 | 3 43 | 14 33 | 2 14 |
| S 13 | 11 31 | 9 28 | 1 47 | 8 7 | 0 40 | 7 43 | 1 33 | 23 20 | 0 3 | 6 40 | 1 31 | 21 19 | 1 27 | 18 51 | 0 9 | 16 44 | 0 28 | 9 53 | 16 50 | 3 38 | 3 8 | 3 41 | 14 34 | 2 14 |
| S 14 | 11 10 | 6 4 | 0 44 | 7 14 | 0 30 | 8 12 | 1 38 | 23 24 | 0 4 | 6 38 | 1 31 | 21 19 | 1 27 | 18 52 | 0 9 | 16 44 | 0 28 | 9 52 | 16 50 | 3 39 | 3 9 | 3 40 | 14 34 | 2 13 |
| M15 | 10 48 | 2 26 | 0n22 | 6 21 | 0 19 | 8 42 | 1 44 | 23 27 | 0 5 | 6 37 | 1 32 | 21 19 | 1 27 | 18 52 | 0 9 | 16 45 | 0 28 | 9 51 | 16 50 | 3 39 | 3 11 | 3 38 | 14 35 | 2 13 |
| T 16 | 10 26 | 1s18 | 1 26 | 5 28 | 0 8 | 9 11 | 1 49 | 23 30 | 0 6 | 6 36 | 1 32 | 21 20 | 1 27 | 18 52 | 0 9 | 16 45 | 0 28 | 9 51 | 16 49 | 3 39 | 3 12 | 3 36 | 14 36 | 2 13 |
| W17 | 10 5 | 4 58 | 2 27 | 4 35 | 0n 4 | 9 40 | 1 55 | 23 33 | 0 7 | 6 34 | 1 32 | 21 20 | 1 27 | 18 52 | 0 9 | 16 46 | 0 28 | 9 50 | 16 49 | 3 38 | 3 13 | 3 34 | 14 36 | 2 13 |
| T 18 | 9 43 | 8 28 | 3 22 | 3 43 | 0 17 | 10 8 | 2 0 | 23 36 | 0 8 | 6 33 | 1 32 | 21 20 | 1 27 | 18 53 | 0 9 | 16 46 | 0 28 | 9 49 | 16 49 | 3 37 | 3 14 | 3 32 | 14 37 | 2 13 |
| F 19 | 9 21 | 11 40 | 4 8 | 2 51 | 0 29 | 10 37 | 2 6 | 23 38 | 0 9 | 6 31 | 1 32 | 21 20 | 1 27 | 18 53 | 0 9 | 16 46 | 0 28 | 9 49 | 16 49 | 3 37 | 3 16 | 3 30 | 14 38 | 2 13 |
| S 20 | 8 58 | 14 25 | 4 45 | 2 0 | 0 42 | 11 5 | 2 12 | 23 40 | 0 10 | 6 30 | 1 33 | 21 20 | 1 27 | 18 53 | 0 9 | 16 47 | 0 28 | 9 48 | 16 48 | 3 37 | 3 17 | 3 29 | 14 38 | 2 13 |
| S 21 | 8 36 | 16 33 | 5 8 | 1 11 | 0 56 | 11 32 | 2 17 | 23 42 | 0 11 | 6 28 | 1 33 | 21 21 | 1 27 | 18 54 | 0 9 | 16 47 | 0 28 | 9 48 | 16 48 | 3 36 | 3 18 | 3 27 | 14 39 | 2 13 |
| M22 | 8 13 | 17 55 | 5 17 | 0 23 | 1 9 | 12 0 | 2 23 | 23 44 | 0 13 | 6 26 | 1 33 | 21 21 | 1 27 | 18 54 | 0 9 | 16 48 | 0 28 | 9 47 | 16 48 | 3 36 | 3 20 | 3 25 | 14 40 | 2 13 |
| T 23 | 7 51 | 18 21 | 5 10 | 0n22 | 1 23 | 12 27 | 2 28 | 23 46 | 0 14 | 6 24 | 1 33 | 21 21 | 1 27 | 18 54 | 0 9 | 16 48 | 0 28 | 9 46 | 16 48 | 3 37 | 3 21 | 3 23 | 14 40 | 2 13 |
| W24 | 7 28 | 17 43 | 4 44 | 1 6 | 1 36 | 12 54 | 2 34 | 23 48 | 0 15 | 6 23 | 1 33 | 21 21 | 1 27 | 18 55 | 0 9 | 16 49 | 0 28 | 9 46 | 16 48 | 3 37 | 3 22 | 3 21 | 14 41 | 2 13 |
| T 25 | 7 5 | 15 58 | 4 1 | 1 47 | 1 49 | 13 21 | 2 40 | 23 49 | 0 16 | 6 21 | 1 34 | 21 21 | 1 28 | 18 55 | 0 9 | 16 49 | 0 28 | 9 45 | 16 47 | 3 38 | 3 23 | 3 20 | 14 42 | 2 13 |
| F 26 | 6 42 | 13 8 | 3 0 | 2 25 | 2 2 | 13 47 | 2 45 | 23 50 | 0 17 | 6 19 | 1 34 | 21 22 | 1 28 | 18 56 | 0 9 | 16 50 | 0 28 | 9 44 | 16 47 | 3 38 | 3 25 | 3 18 | 14 42 | 2 13 |
| S 27 | 6 19 | 9 23 | 1 46 | 2 59 | 2 15 | 14 13 | 2 51 | 23 51 | 0 18 | 6 17 | 1 34 | 21 22 | 1 28 | 18 56 | 0 9 | 16 50 | 0 28 | 9 44 | 16 47 | 3 38 | 3 26 | 3 16 | 14 43 | 2 13 |
| S 28 | 5 56 | 4 58 | 0 24 | 3 31 | 2 27 | 14 39 | 2 57 | 23 52 | 0 19 | 6 15 | 1 34 | 21 22 | 1 28 | 18 56 | 0 9 | 16 50 | 0 28 | 9 43 | 16 47 | 3 38 | 3 27 | 3 14 | 14 44 | 2 13 |
| M29 | 5s33 | 0s14 | 1s 0 | 3n59 | 2n38 | 15n 4 | 3n 2 | 23s52 | 0s20 | 6s13 | 1n34 | 21s22 | 1n28 | 18n57 | 0s 9 | 16n51 | 0n28 | 9s42 | 16s47 | 3n38 | 3n28 | 3n12 | 14n45 | 2s13 |

Julian Day Number = 2124324.5, Delta T = 17m29s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'02, Lahiri = 11°22'02 Julian Calendar 1 Feb. 1104 == Greg. Calendar 8 Feb. 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## MARCH 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 0 14 | 16♓58'55 | 16♈47 | 4♈30 | 2♉55 | 2♊57 | 19°R24 | 16♐ 7 | 24♉59 | 15°R 0 | 14♈33 | 20♍52 | 21♍14 | 22♍15 | 16♉36 | T 1 |
| W 2 | 11 4 11 | 17°58'27 | 1♉34 | 4°58 | 3°51 | 3°37 | 19♎19 | 16° 9 | 25° 1 | 14♌59 | 14°34 | 20°52 | 21°11 | 22°21 | 16°39 | W 2 |
| T 3 | 11 8 7 | 18°57'57 | 15°59 | 5°18 | 4°47 | 4°17 | 19°13 | 16°11 | 25° 2 | 14°57 | 14°36 | 20°52 | 21° 7 | 22°28 | 16°42 | T 3 |
| F 4 | 11 12 4 | 19°57'25 | 29°58 | 5°30 | 5°41 | 4°57 | 19° 7 | 16°12 | 25° 4 | 14°56 | 14°37 | 20°52 | 21° 4 | 22°35 | 16°45 | F 4 |
| S 5 | 11 16 0 | 20°56'50 | 13♊31 | 5°R35 | 6°35 | 5°37 | 19° 1 | 16°14 | 25° 6 | 14°55 | 14°38 | 20°52 | 21° 1 | 22°41 | 16°48 | S 5 |
| S 6 | 11 19 57 | 21°56'13 | 26°39 | 5°31 | 7°29 | 6°17 | 18°55 | 16°15 | 25° 8 | 14°54 | 14°39 | 20°52 | 20°58 | 22°48 | 16°51 | S 6 |
| M 7 | 11 23 53 | 22°55'34 | 9♋26 | 5°20 | 8°21 | 6°57 | 18°49 | 16°17 | 25°10 | 14°52 | 14°41 | 20°53 | 20°55 | 22°55 | 16°54 | M 7 |
| T 8 | 11 27 50 | 23°54'52 | 21°54 | 5° 2 | 9°13 | 7°37 | 18°43 | 16°18 | 25°12 | 14°51 | 14°42 | 20°53 | 20°52 | 23° 1 | 16°57 | T 8 |
| W 9 | 11 31 46 | 24°54'08 | 4♌ 8 | 4°38 | 10° 5 | 8°17 | 18°36 | 16°19 | 25°14 | 14°50 | 14°43 | 20°53 | 20°48 | 23° 8 | 17° 0 | W 9 |
| T 10 | 11 35 43 | 25°53'21 | 16°10 | 4° 8 | 10°55 | 8°57 | 18°30 | 16°20 | 25°16 | 14°49 | 14°45 | 20°54 | 20°45 | 23°15 | 17° 3 | T 10 |
| F 11 | 11 39 40 | 26°52'32 | 28° 5 | 3°32 | 11°45 | 9°37 | 18°23 | 16°21 | 25°19 | 14°48 | 14°46 | 20°54 | 20°42 | 23°21 | 17° 6 | F 11 |
| S 12 | 11 43 36 | 27°51'41 | 9♍54 | 2°52 | 12°34 | 10°17 | 18°17 | 16°21 | 25°21 | 14°46 | 14°47 | 20°55 | 20°39 | 23°28 | 17° 9 | S 12 |
| S 13 | 11 47 33 | 28°50'48 | 21°42 | 2° 8 | 13°22 | 10°57 | 18°10 | 16°22 | 25°23 | 14°45 | 14°49 | 20°R55 | 20°36 | 23°35 | 17°13 | S 13 |
| M14 | 11 51 29 | 29°49'53 | 3♎30 | 1°22 | 14° 9 | 11°37 | 18° 3 | 16°23 | 25°25 | 14°44 | 14°50 | 20°55 | 20°33 | 23°41 | 17°16 | M14 |
| T 15 | 11 55 26 | 0♈48'55 | 15°20 | 0°34 | 14°56 | 12°17 | 17°56 | 16°23 | 25°28 | 14°43 | 14°51 | 20°54 | 20°29 | 23°48 | 17°19 | T 15 |
| W16 | 11 59 22 | 1°47'56 | 27°15 | 29♓46 | 15°41 | 12°57 | 17°49 | 16°24 | 25°30 | 14°42 | 14°53 | 20°53 | 20°26 | 23°54 | 17°23 | W16 |
| T 17 | 12 3 19 | 2°46'55 | 9♏17 | 28°58 | 16°26 | 13°37 | 17°42 | 16°24 | 25°32 | 14°41 | 14°54 | 20°51 | 20°23 | 24° 1 | 17°26 | T 17 |
| F 18 | 12 7 15 | 3°45'51 | 21°28 | 28°11 | 17° 9 | 14°17 | 17°35 | 16°24 | 25°35 | 14°40 | 14°56 | 20°49 | 20°20 | 24° 8 | 17°30 | F 18 |
| S 19 | 12 11 12 | 4°44'46 | 3♐52 | 27°26 | 17°52 | 14°57 | 17°27 | 16°R24 | 25°37 | 14°39 | 14°57 | 20°47 | 20°17 | 24°14 | 17°33 | S 19 |
| S 20 | 12 15 9 | 5°43'39 | 16°30 | 26°43 | 18°33 | 15°36 | 17°20 | 16°24 | 25°40 | 14°38 | 14°58 | 20°46 | 20°13 | 24°21 | 17°37 | S 20 |
| M21 | 12 19 5 | 6°42'31 | 29°26 | 26° 4 | 19°13 | 16°16 | 17°13 | 16°24 | 25°42 | 14°37 | 15° 0 | 20°45 | 20°10 | 24°28 | 17°40 | M21 |
| T 22 | 12 23 2 | 7°41'21 | 12♑42 | 25°29 | 19°53 | 16°56 | 17° 5 | 16°24 | 25°45 | 14°36 | 15° 1 | 20°D45 | 20° 7 | 24°34 | 17°44 | T 22 |
| W23 | 12 26 58 | 8°40'08 | 26°22 | 24°59 | 20°31 | 17°36 | 16°58 | 16°24 | 25°48 | 14°35 | 15° 2 | 20°46 | 20° 4 | 24°41 | 17°48 | W23 |
| T 24 | 12 30 55 | 9°38'55 | 10♒26 | 24°33 | 21° 7 | 18°16 | 16°50 | 16°23 | 25°50 | 14°35 | 15° 4 | 20°47 | 20° 1 | 24°48 | 17°51 | T 24 |
| F 25 | 12 34 51 | 10°37'39 | 24°52 | 24°12 | 21°43 | 18°55 | 16°42 | 16°23 | 25°53 | 14°34 | 15° 5 | 20°48 | 19°58 | 24°54 | 17°55 | F 25 |
| S 26 | 12 38 48 | 11°36'21 | 9♓40 | 23°57 | 22°17 | 19°35 | 16°35 | 16°22 | 25°56 | 14°33 | 15° 7 | 20°49 | 19°54 | 25° 1 | 17°59 | S 26 |
| S 27 | 12 42 44 | 12°35'02 | 24°42 | 23°46 | 22°50 | 20°15 | 16°27 | 16°21 | 25°58 | 14°32 | 15° 8 | 20°R49 | 19°51 | 25° 8 | 18° 3 | S 27 |
| M28 | 12 46 41 | 13°33'41 | 9♈50 | 23°41 | 23°21 | 20°54 | 16°20 | 16°21 | 26° 1 | 14°32 | 15° 9 | 20°49 | 19°48 | 25°14 | 18° 7 | M28 |
| T 29 | 12 50 37 | 14°32'18 | 24°57 | 23°D41 | 23°51 | 21°34 | 16°12 | 16°20 | 26° 4 | 14°31 | 15°11 | 20°46 | 19°45 | 25°21 | 18°10 | T 29 |
| W30 | 12 54 34 | 15°30'53 | 9♉52 | 23°46 | 24°19 | 22°13 | 16° 4 | 16°19 | 26° 7 | 14°30 | 15°12 | 20°43 | 19°42 | 25°27 | 18°14 | W30 |
| T 31 | 12 58 31 | 16♈29'25 | 24♉27 | 23♓56 | 24♉46 | 22♊53 | 15♎57 | 16♐18 | 26♉10 | 14♌30 | 15♈14 | 20♍40 | 19♍38 | 25♍34 | 18♉18 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s10 | 4n29 | 2s19 | 4n23 | 2n49 | 15n29 | 3n 8 | 23s53 | 0s22 | 6s10 | 1n34 | 21s22 | 1n28 | 18n57 | 0s 9 | 16n51 | 0n28 | 9s42 | 16s46 | 3n38 | 3n30 | 3n10 | 14n46 | 2s13 |
| W 2 | 4 47 | 8 50 | 3 28 | 4 42 | 2 58 | 15 54 | 3 14 | 23 53 | 0 23 | 6 8 | 1 35 | 21 22 | 1 28 | 18 58 | 0 9 | 16 52 | 0 28 | 9 41 | 16 46 | 3 38 | 3 31 | 3 9 | 14 46 | 2 13 |
| T 3 | 4 23 | 12 32 | 4 21 | 4 58 | 3 7 | 16 18 | 3 19 | 23 53 | 0 24 | 6 6 | 1 35 | 21 22 | 1 28 | 18 58 | 0 9 | 16 52 | 0 28 | 9 41 | 16 46 | 3 38 | 3 32 | 3 7 | 14 47 | 2 13 |
| F 4 | 4 0 | 15 24 | 4 57 | 5 10 | 3 14 | 16 42 | 3 25 | 23 53 | 0 25 | 6 4 | 1 35 | 21 22 | 1 28 | 18 59 | 0 9 | 16 52 | 0 28 | 9 40 | 16 46 | 3 38 | 3 33 | 3 5 | 14 48 | 2 13 |
| S 5 | 3 36 | 17 19 | 5 16 | 5 17 | 3 20 | 17 5 | 3 30 | 23 52 | 0 26 | 6 1 | 1 35 | 21 22 | 1 28 | 18 59 | 0 9 | 16 53 | 0 28 | 9 39 | 16 46 | 3 38 | 3 35 | 3 3 | 14 49 | 2 13 |
| S 6 | 3 13 | 18 14 | 5 17 | 5 20 | 3 25 | 17 28 | 3 36 | 23 52 | 0 28 | 5 59 | 1 35 | 21 22 | 1 28 | 19 0 | 0 9 | 16 53 | 0 28 | 9 39 | 16 46 | 3 38 | 3 36 | 3 1 | 14 50 | 2 13 |
| M 7 | 2 49 | 18 12 | 5 2 | 5 19 | 3 28 | 17 51 | 3 41 | 23 51 | 0 29 | 5 56 | 1 35 | 21 22 | 1 28 | 19 0 | 0 9 | 16 54 | 0 28 | 9 38 | 16 46 | 3 38 | 3 37 | 3 0 | 14 51 | 2 13 |
| T 8 | 2 26 | 17 16 | 4 33 | 5 13 | 3 29 | 18 13 | 3 47 | 23 50 | 0 30 | 5 54 | 1 35 | 21 23 | 1 29 | 19 1 | 0 9 | 16 54 | 0 28 | 9 37 | 16 45 | 3 38 | 3 38 | 2 58 | 14 52 | 2 13 |
| W 9 | 2 2 | 15 33 | 3 52 | 5 3 | 3 29 | 18 34 | 3 52 | 23 49 | 0 32 | 5 51 | 1 35 | 21 23 | 1 29 | 19 1 | 0 9 | 16 54 | 0 28 | 9 37 | 16 45 | 3 38 | 3 40 | 2 56 | 14 52 | 2 13 |
| T 10 | 1 38 | 13 11 | 3 2 | 4 49 | 3 28 | 18 56 | 3 57 | 23 48 | 0 33 | 5 49 | 1 36 | 21 23 | 1 29 | 19 2 | 0 9 | 16 55 | 0 28 | 9 36 | 16 45 | 3 38 | 3 41 | 2 54 | 14 53 | 2 12 |
| F 11 | 1 15 | 10 16 | 2 4 | 4 32 | 3 24 | 19 16 | 4 3 | 23 46 | 0 34 | 5 46 | 1 36 | 21 23 | 1 29 | 19 2 | 0 9 | 16 55 | 0 28 | 9 36 | 16 45 | 3 37 | 3 42 | 2 52 | 14 54 | 2 12 |
| S 12 | 0 51 | 6 57 | 1 1 | 4 11 | 3 19 | 19 37 | 4 8 | 23 44 | 0 35 | 5 43 | 1 36 | 21 23 | 1 29 | 19 3 | 0 9 | 16 55 | 0 28 | 9 35 | 16 45 | 3 37 | 3 43 | 2 50 | 14 55 | 2 12 |
| S 13 | 0 28 | 3 22 | 0n 4 | 3 47 | 3 12 | 19 56 | 4 13 | 23 43 | 0 37 | 5 41 | 1 36 | 21 23 | 1 29 | 19 3 | 0 9 | 16 56 | 0 28 | 9 34 | 16 45 | 3 37 | 3 45 | 2 49 | 14 56 | 2 12 |
| M14 | 0 4 | 0s20 | 1 9 | 3 21 | 3 3 | 20 16 | 4 18 | 23 41 | 0 38 | 5 38 | 1 36 | 21 23 | 1 29 | 19 4 | 0 9 | 16 56 | 0 28 | 9 34 | 16 45 | 3 37 | 3 46 | 2 47 | 14 57 | 2 12 |
| T 15 | 0n20 | 4 3 | 2 12 | 2 52 | 2 53 | 20 35 | 4 23 | 23 38 | 0 39 | 5 35 | 1 36 | 21 23 | 1 29 | 19 4 | 0 9 | 16 56 | 0 28 | 9 33 | 16 45 | 3 37 | 3 47 | 2 45 | 14 58 | 2 12 |
| W16 | 0 43 | 7 37 | 3 8 | 2 22 | 2 41 | 20 53 | 4 28 | 23 36 | 0 41 | 5 33 | 1 36 | 21 22 | 1 29 | 19 5 | 0 9 | 16 57 | 0 28 | 9 33 | 16 44 | 3 38 | 3 48 | 2 43 | 14 59 | 2 12 |
| T 17 | 1 7 | 10 54 | 3 57 | 1 51 | 2 29 | 21 11 | 4 33 | 23 33 | 0 42 | 5 30 | 1 36 | 21 22 | 1 29 | 19 6 | 0 9 | 16 57 | 0 28 | 9 32 | 16 44 | 3 39 | 3 50 | 2 41 | 15 0 | 2 12 |
| F 18 | 1 30 | 13 46 | 4 36 | 1 20 | 2 15 | 21 28 | 4 37 | 23 30 | 0 44 | 5 27 | 1 36 | 21 22 | 1 29 | 19 6 | 0 9 | 16 57 | 0 28 | 9 31 | 16 44 | 3 39 | 3 51 | 2 39 | 15 1 | 2 12 |
| S 19 | 1 54 | 16 3 | 5 3 | 0 48 | 2 0 | 21 45 | 4 42 | 23 27 | 0 45 | 5 24 | 1 36 | 21 22 | 1 29 | 19 7 | 0 9 | 16 58 | 0 28 | 9 31 | 16 44 | 3 40 | 3 52 | 2 38 | 15 2 | 2 12 |
| S 20 | 2 17 | 17 38 | 5 16 | 0 18 | 1 45 | 22 1 | 4 47 | 23 24 | 0 46 | 5 21 | 1 36 | 21 22 | 1 30 | 19 7 | 0 9 | 16 58 | 0 28 | 9 30 | 16 44 | 3 41 | 3 53 | 2 36 | 15 3 | 2 12 |
| M21 | 2 41 | 18 20 | 5 13 | 0s13 | 1 29 | 22 16 | 4 51 | 23 21 | 0 48 | 5 18 | 1 36 | 21 22 | 1 30 | 19 8 | 0 9 | 16 58 | 0 28 | 9 30 | 16 44 | 3 41 | 3 55 | 2 34 | 15 4 | 2 12 |
| T 22 | 3 4 | 18 4 | 4 54 | 0 41 | 1 13 | 22 31 | 4 55 | 23 17 | 0 49 | 5 15 | 1 36 | 21 22 | 1 30 | 19 9 | 0 9 | 16 58 | 0 28 | 9 29 | 16 44 | 3 41 | 3 56 | 2 32 | 15 5 | 2 12 |
| W23 | 3 27 | 16 46 | 4 18 | 1 8 | 0 57 | 22 46 | 4 59 | 23 14 | 0 51 | 5 13 | 1 36 | 21 22 | 1 30 | 19 9 | 0 9 | 16 59 | 0 28 | 9 29 | 16 44 | 3 41 | 3 57 | 2 30 | 15 6 | 2 12 |
| T 24 | 3 50 | 14 25 | 3 25 | 1 34 | 0 40 | 23 0 | 5 3 | 23 10 | 0 52 | 5 10 | 1 36 | 21 22 | 1 30 | 19 10 | 0 9 | 16 59 | 0 28 | 9 28 | 16 44 | 3 40 | 3 58 | 2 28 | 15 7 | 2 12 |
| F 25 | 4 14 | 11 7 | 2 19 | 1 57 | 0 24 | 23 13 | 5 7 | 23 6 | 0 54 | 5 7 | 1 36 | 21 22 | 1 30 | 19 11 | 0 9 | 16 59 | 0 28 | 9 27 | 16 44 | 3 40 | 4 0 | 2 27 | 15 8 | 2 12 |
| S 26 | 4 37 | 7 2 | 1 1 | 2 17 | 0 8 | 23 26 | 5 11 | 23 2 | 0 55 | 5 4 | 1 36 | 21 22 | 1 30 | 19 11 | 0 9 | 16 59 | 0 28 | 9 27 | 16 44 | 3 39 | 4 1 | 2 25 | 15 9 | 2 12 |
| S 27 | 5 0 | 2 27 | 0s21 | 2 36 | 0s 7 | 23 38 | 5 14 | 22 57 | 0 57 | 5 1 | 1 36 | 21 21 | 1 30 | 19 12 | 0 9 | 16 59 | 0 28 | 9 26 | 16 44 | 3 39 | 4 2 | 2 23 | 15 10 | 2 12 |
| M28 | 5 23 | 2n20 | 1 43 | 2 51 | 0 22 | 23 49 | 5 18 | 22 53 | 0 58 | 4 58 | 1 36 | 21 21 | 1 30 | 19 13 | 0 9 | 17 0 | 0 28 | 9 26 | 16 44 | 3 40 | 4 3 | 2 21 | 15 11 | 2 12 |
| T 29 | 5 45 | 6 57 | 2 57 | 3 5 | 0 36 | 24 0 | 5 21 | 22 48 | 1 0 | 4 55 | 1 36 | 21 21 | 1 30 | 19 13 | 0 9 | 17 0 | 0 28 | 9 25 | 16 44 | 3 40 | 4 5 | 2 19 | 15 12 | 2 12 |
| W30 | 6 8 | 11 4 | 3 58 | 3 15 | 0 50 | 24 10 | 5 24 | 22 43 | 1 1 | 4 52 | 1 36 | 21 21 | 1 30 | 19 14 | 0 9 | 17 0 | 0 28 | 9 25 | 16 44 | 3 42 | 4 6 | 2 17 | 15 13 | 2 12 |
| T 31 | 6n31 | 14n25 | 4s42 | 3s23 | 1s 3 | 24n19 | 5n26 | 22s38 | 1s 3 | 4s49 | 1n36 | 21s21 | 1n30 | 19n15 | 0s 9 | 17n 0 | 0n28 | 9s24 | 16s44 | 3n43 | 4n 7 | 2n15 | 15n14 | 2s12 |

Julian Day Number = 2124353.5, Delta T = 17m29s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'06, Lahiri = 11°22'06 Julian Calendar 1 March 1104 == Greg. Calendar 8 March 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## APRIL 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 2 27 | 17♈27'56 | 8♊38 | 24♓11 | 25♉11 | 23♋32 | 15°R49 | 16°R17 | 26♉13 | 14°R29 | 15♈15 | 20°R36 | 19♍35 | 25♍41 | 18♉22 | F 1 |
| S 2 | 13 6 24 | 18°26'25 | 22°20 | 24°30 | 25°34 | 24°12 | 15♎41 | 16♐15 | 26°16 | 14♑29 | 15°16 | 20♍33 | 19°32 | 25°47 | 18°26 | S 2 |
| S 3 | 13 10 20 | 19°24'51 | 5♋35 | 24°54 | 25°55 | 24°51 | 15°33 | 16°14 | 26°19 | 14°28 | 15°18 | 20°31 | 19°29 | 25°54 | 18°30 | S 3 |
| M 4 | 13 14 17 | 20°23'15 | 18°24 | 25°23 | 26°15 | 25°30 | 15°26 | 16°12 | 26°22 | 14°28 | 15°19 | 20°D30 | 19°26 | 26° 1 | 18°34 | M 4 |
| T 5 | 13 18 13 | 21°21'37 | 0♌52 | 25°55 | 26°32 | 26°10 | 15°18 | 16°11 | 26°25 | 14°27 | 15°21 | 20°31 | 19°23 | 26° 7 | 18°39 | T 5 |
| W 6 | 13 22 10 | 22°19'57 | 13° 3 | 26°32 | 26°48 | 26°49 | 15°11 | 16° 9 | 26°28 | 14°27 | 15°22 | 20°32 | 19°19 | 26°14 | 18°43 | W 6 |
| T 7 | 13 26 6 | 23°18'15 | 25° 1 | 27°13 | 27° 2 | 27°28 | 15° 3 | 16° 8 | 26°31 | 14°26 | 15°23 | 20°34 | 19°16 | 26°21 | 18°47 | T 7 |
| F 8 | 13 30 3 | 24°16'30 | 6♍51 | 27°57 | 27°13 | 28° 7 | 14°56 | 16° 6 | 26°34 | 14°26 | 15°25 | 20°35 | 19°13 | 26°27 | 18°51 | F 8 |
| S 9 | 13 34 0 | 25°14'44 | 18°38 | 28°44 | 27°22 | 28°46 | 14°48 | 16° 4 | 26°37 | 14°26 | 15°26 | 20°R36 | 19°10 | 26°34 | 18°55 | S 9 |
| S 10 | 13 37 56 | 26°12'55 | 0♎25 | 29°35 | 27°30 | 29°25 | 14°41 | 16° 2 | 26°40 | 14°25 | 15°28 | 20°36 | 19° 7 | 26°41 | 18°59 | S 10 |
| M11 | 13 41 53 | 27°11'05 | 12°16 | 0♈30 | 27°34 | 0♒ 4 | 14°33 | 16° 0 | 26°43 | 14°25 | 15°29 | 20°33 | 19° 4 | 26°47 | 19° 4 | M11 |
| T 12 | 13 45 49 | 28° 9'13 | 24°12 | 1°27 | 27°37 | 0°43 | 14°26 | 15°58 | 26°46 | 14°25 | 15°30 | 20°30 | 19° 0 | 26°54 | 19° 8 | T 12 |
| W13 | 13 49 46 | 29° 7'19 | 6♏17 | 2°27 | 27°R37 | 1°22 | 14°19 | 15°55 | 26°50 | 14°25 | 15°32 | 20°24 | 18°57 | 27° 0 | 19°12 | W13 |
| T 14 | 13 53 42 | 0♉ 5'23 | 18°31 | 3°31 | 27°35 | 2° 1 | 14°12 | 15°53 | 26°53 | 14°24 | 15°33 | 20°17 | 18°54 | 27° 7 | 19°16 | T 14 |
| F 15 | 13 57 39 | 1° 3'26 | 0♐55 | 4°37 | 27°30 | 2°40 | 14° 4 | 15°51 | 26°56 | 14°24 | 15°34 | 20°10 | 18°51 | 27°14 | 19°21 | F 15 |
| S 16 | 14 1 35 | 2° 1'27 | 13°31 | 5°45 | 27°23 | 3°18 | 13°57 | 15°48 | 26°59 | 14°24 | 15°36 | 20° 3 | 18°48 | 27°20 | 19°25 | S 16 |
| S 17 | 14 5 32 | 2°59'27 | 26°20 | 6°57 | 27°13 | 3°57 | 13°51 | 15°46 | 27° 3 | 14°24 | 15°37 | 19°57 | 18°44 | 27°27 | 19°29 | S 17 |
| M18 | 14 9 29 | 3°57'26 | 9♑23 | 8°10 | 27° 1 | 4°36 | 13°44 | 15°43 | 27° 6 | 14°24 | 15°38 | 19°53 | 18°41 | 27°34 | 19°34 | M18 |
| T 19 | 14 13 25 | 4°55'23 | 22°42 | 9°27 | 26°47 | 5°14 | 13°37 | 15°40 | 27° 9 | 14°D24 | 15°40 | 19°50 | 18°38 | 27°40 | 19°38 | T 19 |
| W20 | 14 17 22 | 5°53'18 | 6♒17 | 10°45 | 26°30 | 5°53 | 13°30 | 15°37 | 27°13 | 14°24 | 15°41 | 19°D49 | 18°35 | 27°47 | 19°43 | W20 |
| T 21 | 14 21 18 | 6°51'13 | 20°11 | 12° 6 | 26°11 | 6°31 | 13°24 | 15°35 | 27°16 | 14°24 | 15°42 | 19°50 | 18°32 | 27°54 | 19°47 | T 21 |
| F 22 | 14 25 15 | 7°49'06 | 4♓22 | 13°30 | 25°50 | 7° 9 | 13°17 | 15°32 | 27°19 | 14°24 | 15°44 | 19°51 | 18°29 | 28° 0 | 19°51 | F 22 |
| S 23 | 14 29 11 | 8°46'58 | 18°51 | 14°55 | 25°26 | 7°48 | 13°11 | 15°29 | 27°23 | 14°24 | 15°45 | 19°R52 | 18°25 | 28° 7 | 19°56 | S 23 |
| S 24 | 14 33 8 | 9°44'48 | 3♈33 | 16°23 | 25° 1 | 8°26 | 13° 5 | 15°26 | 27°26 | 14°24 | 15°46 | 19°51 | 18°22 | 28°14 | 20° 0 | S 24 |
| M25 | 14 37 4 | 10°42'37 | 18°25 | 17°53 | 24°33 | 9° 4 | 12°58 | 15°22 | 27°29 | 14°25 | 15°48 | 19°48 | 18°19 | 28°20 | 20° 5 | M25 |
| T 26 | 14 41 1 | 11°40'25 | 3♉18 | 19°25 | 24° 3 | 9°42 | 12°52 | 15°19 | 27°33 | 14°25 | 15°49 | 19°43 | 18°16 | 28°27 | 20° 9 | T 26 |
| W27 | 14 44 57 | 12°38'12 | 18° 5 | 21° 0 | 23°32 | 10°20 | 12°47 | 15°16 | 27°36 | 14°25 | 15°50 | 19°36 | 18°13 | 28°34 | 20°14 | W27 |
| T 28 | 14 48 54 | 13°35'57 | 2♊37 | 22°36 | 22°59 | 10°57 | 12°41 | 15°12 | 27°40 | 14°25 | 15°51 | 19°28 | 18° 9 | 28°40 | 20°18 | T 28 |
| F 29 | 14 52 51 | 14°33'41 | 16°49 | 24°15 | 22°25 | 11°35 | 12°35 | 15° 9 | 27°43 | 14°26 | 15°53 | 19°19 | 18° 6 | 28°47 | 20°23 | F 29 |
| S 30 | 14 56 47 | 15♉31'23 | 0♋34 | 25♈56 | 21♉50 | 12♒13 | 12♎30 | 15♐ 6 | 27♉47 | 14♑26 | 15♈54 | 19♍11 | 18♍ 3 | 28♍53 | 20♉27 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n53 | 16n47 | 5s 8 | 3s29 | 1s16 | 24n28 | 5n29 | 22s33 | 1s 5 | 4s46 | 1n36 | 21s21 | 1n30 | 19n15 | 0s 9 | 17n 0 | 0n28 | 9s24 | 16s44 | 3n44 | 4n 8 | 2n14 | 15n16 | 2s12 |
| S 2 | 7 16 | 18 6 | 5 14 | 3 32 | 1 27 | 24 36 | 5 31 | 22 28 | 1 6 | 4 43 | 1 36 | 21 20 | 1 30 | 19 16 | 0 9 | 17 1 | 0 28 | 9 23 | 16 44 | 3 46 | 4 10 | 2 12 | 15 17 | 2 12 |
| S 3 | 7 38 | 18 23 | 5 4 | 3 32 | 1 39 | 24 43 | 5 33 | 22 22 | 1 8 | 4 40 | 1 36 | 21 20 | 1 31 | 19 17 | 0 9 | 17 1 | 0 28 | 9 23 | 16 44 | 3 46 | 4 11 | 2 10 | 15 18 | 2 12 |
| M 4 | 8 0 | 17 41 | 4 38 | 3 30 | 1 49 | 24 49 | 5 35 | 22 17 | 1 10 | 4 37 | 1 36 | 21 20 | 1 31 | 19 17 | 0 9 | 17 1 | 0 28 | 9 22 | 16 44 | 3 47 | 4 12 | 2 8 | 15 19 | 2 12 |
| T 5 | 8 22 | 16 9 | 4 0 | 3 26 | 1 58 | 24 55 | 5 36 | 22 11 | 1 11 | 4 35 | 1 36 | 21 20 | 1 31 | 19 18 | 0 9 | 17 1 | 0 28 | 9 22 | 16 44 | 3 47 | 4 13 | 2 6 | 15 20 | 2 12 |
| W 6 | 8 44 | 13 55 | 3 12 | 3 20 | 2 7 | 24 59 | 5 37 | 22 5 | 1 13 | 4 32 | 1 36 | 21 20 | 1 31 | 19 19 | 0 9 | 17 1 | 0 28 | 9 21 | 16 44 | 3 46 | 4 15 | 2 4 | 15 21 | 2 12 |
| T 7 | 9 6 | 11 7 | 2 16 | 3 11 | 2 15 | 25 3 | 5 38 | 21 59 | 1 15 | 4 29 | 1 36 | 21 19 | 1 31 | 19 20 | 0 9 | 17 1 | 0 28 | 9 21 | 16 44 | 3 45 | 4 16 | 2 3 | 15 22 | 2 12 |
| F 8 | 9 27 | 7 53 | 1 15 | 3 0 | 2 23 | 25 7 | 5 38 | 21 53 | 1 16 | 4 26 | 1 36 | 21 19 | 1 31 | 19 20 | 0 9 | 17 1 | 0 28 | 9 20 | 16 44 | 3 45 | 4 17 | 2 1 | 15 23 | 2 13 |
| S 9 | 9 49 | 4 21 | 0 11 | 2 47 | 2 29 | 25 9 | 5 38 | 21 46 | 1 18 | 4 23 | 1 36 | 21 19 | 1 31 | 19 21 | 0 9 | 17 1 | 0 28 | 9 20 | 16 44 | 3 44 | 4 18 | 1 59 | 15 24 | 2 13 |
| S 10 | 10 10 | 0 39 | 0n53 | 2 32 | 2 35 | 25 10 | 5 38 | 21 40 | 1 20 | 4 20 | 1 36 | 21 19 | 1 31 | 19 22 | 0 9 | 17 2 | 0 28 | 9 19 | 16 44 | 3 45 | 4 20 | 1 57 | 15 25 | 2 13 |
| M11 | 10 31 | 3s 6 | 1 56 | 2 15 | 2 40 | 25 10 | 5 37 | 21 33 | 1 21 | 4 18 | 1 36 | 21 18 | 1 31 | 19 23 | 0 9 | 17 2 | 0 28 | 9 19 | 16 44 | 3 46 | 4 21 | 1 55 | 15 27 | 2 13 |
| T 12 | 10 52 | 6 45 | 2 53 | 1 56 | 2 45 | 25 10 | 5 36 | 21 27 | 1 23 | 4 15 | 1 36 | 21 18 | 1 31 | 19 23 | 0 9 | 17 2 | 0 28 | 9 18 | 16 44 | 3 47 | 4 22 | 1 53 | 15 28 | 2 13 |
| W13 | 11 13 | 10 10 | 3 43 | 1 36 | 2 49 | 25 8 | 5 34 | 21 20 | 1 25 | 4 12 | 1 35 | 21 18 | 1 31 | 19 24 | 0 9 | 17 2 | 0 28 | 9 18 | 16 44 | 3 49 | 4 23 | 1 51 | 15 29 | 2 13 |
| T 14 | 11 33 | 13 11 | 4 24 | 1 13 | 2 52 | 25 5 | 5 32 | 21 13 | 1 27 | 4 10 | 1 35 | 21 17 | 1 31 | 19 25 | 0 9 | 17 2 | 0 28 | 9 17 | 16 44 | 3 52 | 4 25 | 1 50 | 15 30 | 2 13 |
| F 15 | 11 54 | 15 40 | 4 52 | 0 49 | 2 54 | 25 2 | 5 29 | 21 6 | 1 28 | 4 7 | 1 35 | 21 17 | 1 31 | 19 26 | 0 9 | 17 2 | 0 28 | 9 17 | 16 44 | 3 55 | 4 26 | 1 48 | 15 31 | 2 13 |
| S 16 | 12 14 | 17 27 | 5 8 | 0 24 | 2 56 | 24 57 | 5 26 | 20 58 | 1 30 | 4 4 | 1 35 | 21 17 | 1 31 | 19 26 | 0 8 | 17 2 | 0 28 | 9 16 | 16 44 | 3 58 | 4 27 | 1 46 | 15 32 | 2 13 |
| S 17 | 12 34 | 18 23 | 5 8 | 0n 4 | 2 57 | 24 51 | 5 22 | 20 51 | 1 32 | 4 2 | 1 35 | 21 16 | 1 31 | 19 27 | 0 8 | 17 2 | 0 28 | 9 16 | 16 45 | 4 0 | 4 28 | 1 44 | 15 33 | 2 13 |
| M18 | 12 54 | 18 22 | 4 52 | 0 32 | 2 58 | 24 44 | 5 18 | 20 43 | 1 34 | 3 59 | 1 35 | 21 16 | 1 31 | 19 28 | 0 8 | 17 2 | 0 28 | 9 16 | 16 45 | 4 2 | 4 30 | 1 42 | 15 34 | 2 13 |
| T 19 | 13 13 | 17 21 | 4 20 | 1 2 | 2 58 | 24 36 | 5 13 | 20 36 | 1 36 | 3 57 | 1 35 | 21 16 | 1 31 | 19 29 | 0 8 | 17 2 | 0 28 | 9 15 | 16 45 | 4 3 | 4 31 | 1 40 | 15 36 | 2 13 |
| W20 | 13 33 | 15 20 | 3 34 | 1 34 | 2 57 | 24 26 | 5 7 | 20 28 | 1 38 | 3 54 | 1 34 | 21 16 | 1 31 | 19 29 | 0 8 | 17 2 | 0 28 | 9 15 | 16 45 | 4 3 | 4 32 | 1 39 | 15 37 | 2 13 |
| T 21 | 13 52 | 12 24 | 2 34 | 2 7 | 2 55 | 24 16 | 5 1 | 20 20 | 1 40 | 3 52 | 1 34 | 21 15 | 1 31 | 19 30 | 0 8 | 17 2 | 0 28 | 9 14 | 16 45 | 4 3 | 4 33 | 1 37 | 15 38 | 2 13 |
| F 22 | 14 11 | 8 40 | 1 23 | 2 41 | 2 53 | 24 4 | 4 54 | 20 12 | 1 42 | 3 49 | 1 34 | 21 15 | 1 31 | 19 31 | 0 8 | 17 2 | 0 28 | 9 14 | 16 45 | 4 2 | 4 35 | 1 35 | 15 39 | 2 13 |
| S 23 | 14 30 | 4 21 | 0 5 | 3 17 | 2 51 | 23 51 | 4 47 | 20 4 | 1 43 | 3 47 | 1 34 | 21 14 | 1 31 | 19 32 | 0 8 | 17 2 | 0 28 | 9 14 | 16 45 | 4 2 | 4 36 | 1 33 | 15 40 | 2 13 |
| S 24 | 14 48 | 0n18 | 1s13 | 3 53 | 2 48 | 23 37 | 4 39 | 19 56 | 1 45 | 3 45 | 1 34 | 21 14 | 1 32 | 19 33 | 0 8 | 17 2 | 0 28 | 9 13 | 16 45 | 4 2 | 4 37 | 1 31 | 15 41 | 2 13 |
| M25 | 15 6 | 4 59 | 2 28 | 4 31 | 2 44 | 23 22 | 4 31 | 19 48 | 1 47 | 3 43 | 1 34 | 21 14 | 1 32 | 19 33 | 0 8 | 17 2 | 0 28 | 9 13 | 16 45 | 4 3 | 4 38 | 1 29 | 15 42 | 2 13 |
| T 26 | 15 24 | 9 21 | 3 32 | 5 10 | 2 40 | 23 6 | 4 21 | 19 40 | 1 49 | 3 40 | 1 33 | 21 13 | 1 32 | 19 34 | 0 8 | 17 2 | 0 28 | 9 13 | 16 46 | 4 5 | 4 40 | 1 27 | 15 43 | 2 13 |
| W27 | 15 42 | 13 6 | 4 22 | 5 50 | 2 35 | 22 48 | 4 12 | 19 31 | 1 51 | 3 38 | 1 33 | 21 13 | 1 32 | 19 35 | 0 8 | 17 1 | 0 28 | 9 12 | 16 46 | 4 8 | 4 41 | 1 26 | 15 45 | 2 13 |
| T 28 | 16 0 | 15 59 | 4 53 | 6 31 | 2 30 | 22 30 | 4 1 | 19 23 | 1 53 | 3 36 | 1 33 | 21 13 | 1 32 | 19 36 | 0 8 | 17 1 | 0 28 | 9 12 | 16 46 | 4 11 | 4 42 | 1 24 | 15 46 | 2 13 |
| F 29 | 16 17 | 17 49 | 5 6 | 7 13 | 2 24 | 22 10 | 3 50 | 19 14 | 1 55 | 3 34 | 1 33 | 21 12 | 1 32 | 19 37 | 0 8 | 17 1 | 0 28 | 9 12 | 16 46 | 4 15 | 4 43 | 1 22 | 15 47 | 2 14 |
| S 30 | 16n34 | 18n33 | 5s 0 | 7n56 | 2s17 | 21n50 | 3n39 | 19s 5 | 1s57 | 3s32 | 1n33 | 21s12 | 1n32 | 19n37 | 0s 8 | 17n 1 | 0n28 | 9s11 | 16s46 | 4n18 | 4n45 | 1n20 | 15n48 | 2s14 |

Julian Day Number = 2124384.5, Delta T = 17m29s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'10, Lahiri = 11°22'10 Julian Calendar 1 Apr. 1104 == Greg. Calendar 8 Apr. 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## MAY 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 0 44 | 16♉29'03 | 13♋53 | 27♈39 | 21°R14 | 12♒50 | 12°R24 | 15°R 2 | 27♉50 | 14♌26 | 15♈55 | 19°R 5 | 18♍ 0 | 29♍ 0 | 20♉32 | S 1 |
| M 2 | 15 4 40 | 17°26'42 | 26°46 | 29°24 | 20♉37 | 13°27 | 12♎19 | 14♐58 | 27°54 | 14°27 | 15°56 | 19♍ 1 | 17°57 | 29° 7 | 20°36 | M 2 |
| T 3 | 15 8 37 | 18°24'20 | 9♌16 | 1♉12 | 19°59 | 14° 5 | 12°14 | 14°55 | 27°57 | 14°27 | 15°58 | 18°59 | 17°54 | 29°13 | 20°41 | T 3 |
| W 4 | 15 12 33 | 19°21'56 | 21°27 | 3° 1 | 19°21 | 14°42 | 12° 9 | 14°51 | 28° 1 | 14°28 | 15°59 | 18°D58 | 17°50 | 29°20 | 20°45 | W 4 |
| T 5 | 15 16 30 | 20°19'30 | 3♍25 | 4°53 | 18°44 | 15°19 | 12° 4 | 14°47 | 28° 4 | 14°28 | 16° 0 | 18°59 | 17°47 | 29°27 | 20°50 | T 5 |
| F 6 | 15 20 27 | 21°17'03 | 15°15 | 6°47 | 18° 6 | 15°56 | 12° 0 | 14°43 | 28° 8 | 14°29 | 16° 1 | 18°R59 | 17°44 | 29°33 | 20°54 | F 6 |
| S 7 | 15 24 23 | 22°14'34 | 27° 2 | 8°43 | 17°29 | 16°33 | 11°55 | 14°40 | 28°11 | 14°29 | 16° 2 | 18°59 | 17°41 | 29°40 | 20°59 | S 7 |
| S 8 | 15 28 20 | 23°12'04 | 8♎52 | 10°40 | 16°53 | 17° 9 | 11°51 | 14°36 | 28°15 | 14°30 | 16° 3 | 18°57 | 17°38 | 29°47 | 21° 3 | S 8 |
| M 9 | 15 32 16 | 24° 9'33 | 20°47 | 12°40 | 16°17 | 17°46 | 11°47 | 14°32 | 28°18 | 14°31 | 16° 5 | 18°53 | 17°35 | 29°53 | 21° 8 | M 9 |
| T 10 | 15 36 13 | 25° 7'00 | 2♏51 | 14°42 | 15°43 | 18°22 | 11°43 | 14°28 | 28°22 | 14°31 | 16° 6 | 18°46 | 17°31 | 29°59 | 21°12 | T 10 |
| W11 | 15 40 9 | 26° 4'27 | 15° 7 | 16°46 | 15°10 | 18°59 | 11°39 | 14°24 | 28°25 | 14°32 | 16° 7 | 18°37 | 17°28 | 0♎ 7 | 21°17 | W11 |
| T 12 | 15 44 6 | 27° 1'52 | 27°36 | 18°51 | 14°39 | 19°35 | 11°35 | 14°20 | 28°29 | 14°33 | 16° 8 | 18°26 | 17°25 | 0°13 | 21°21 | T 12 |
| F 13 | 15 48 2 | 27°59'16 | 10♐18 | 20°58 | 14° 9 | 20°11 | 11°32 | 14°15 | 28°32 | 14°34 | 16° 9 | 18°14 | 17°22 | 0°20 | 21°26 | F 13 |
| S 14 | 15 51 59 | 28°56'40 | 23°13 | 23° 6 | 13°41 | 20°47 | 11°29 | 14°11 | 28°36 | 14°34 | 16°10 | 18° 3 | 17°19 | 0°27 | 21°30 | S 14 |
| S 15 | 15 55 55 | 29°54'02 | 6♑21 | 25°16 | 13°16 | 21°23 | 11°25 | 14° 7 | 28°39 | 14°35 | 16°11 | 17°53 | 17°15 | 0°33 | 21°35 | S 15 |
| M16 | 15 59 52 | 0♊51'24 | 19°40 | 27°26 | 12°52 | 21°58 | 11°22 | 14° 3 | 28°43 | 14°36 | 16°12 | 17°45 | 17°12 | 0°40 | 21°39 | M16 |
| T 17 | 16 3 49 | 1°48'45 | 3♒11 | 29°38 | 12°31 | 22°34 | 11°20 | 13°59 | 28°46 | 14°37 | 16°13 | 17°39 | 17° 9 | 0°46 | 21°44 | T 17 |
| W18 | 16 7 45 | 2°46'05 | 16°52 | 1♊49 | 12°12 | 23° 9 | 11°17 | 13°54 | 28°50 | 14°38 | 16°14 | 17°37 | 17° 6 | 0°53 | 21°48 | W18 |
| T 19 | 16 11 42 | 3°43'25 | 0♓44 | 4° 1 | 11°55 | 23°44 | 11°14 | 13°50 | 28°53 | 14°39 | 16°15 | 17°D36 | 17° 3 | 1° 0 | 21°53 | T 19 |
| F 20 | 16 15 38 | 4°40'45 | 14°48 | 6°13 | 11°41 | 24°19 | 11°12 | 13°46 | 28°57 | 14°40 | 16°16 | 17°R36 | 17° 0 | 1° 6 | 21°57 | F 20 |
| S 21 | 16 19 35 | 5°38'04 | 29° 1 | 8°25 | 11°29 | 24°54 | 11°10 | 13°41 | 29° 1 | 14°41 | 16°17 | 17°36 | 16°56 | 1°13 | 22° 1 | S 21 |
| S 22 | 16 23 31 | 6°35'22 | 13♈24 | 10°36 | 11°19 | 25°28 | 11° 8 | 13°37 | 29° 4 | 14°42 | 16°18 | 17°34 | 16°53 | 1°20 | 22° 6 | S 22 |
| M23 | 16 27 28 | 7°32'40 | 27°53 | 12°46 | 11°12 | 26° 3 | 11° 6 | 13°33 | 29° 8 | 14°43 | 16°19 | 17°29 | 16°50 | 1°26 | 22°10 | M23 |
| T 24 | 16 31 24 | 8°29'58 | 12♉23 | 14°55 | 11° 7 | 26°37 | 11° 5 | 13°28 | 29°11 | 14°44 | 16°20 | 17°22 | 16°47 | 1°33 | 22°15 | T 24 |
| W25 | 16 35 21 | 9°27'15 | 26°49 | 17° 3 | 11°D 5 | 27°11 | 11° 3 | 13°24 | 29°15 | 14°45 | 16°21 | 17°13 | 16°44 | 1°40 | 22°19 | W25 |
| T 26 | 16 39 18 | 10°24'31 | 11♊ 4 | 19° 9 | 11° 5 | 27°45 | 11° 2 | 13°20 | 29°18 | 14°46 | 16°22 | 17° 2 | 16°41 | 1°46 | 22°23 | T 26 |
| F 27 | 16 43 14 | 11°21'47 | 25° 3 | 21°14 | 11° 7 | 28°18 | 11° 1 | 13°15 | 29°22 | 14°48 | 16°23 | 16°50 | 16°37 | 1°53 | 22°28 | F 27 |
| S 28 | 16 47 11 | 12°19'03 | 8♋41 | 23°17 | 11°12 | 28°52 | 11° 0 | 13°11 | 29°25 | 14°49 | 16°24 | 16°39 | 16°34 | 2° 0 | 22°32 | S 28 |
| S 29 | 16 51 7 | 13°16'17 | 21°56 | 25°18 | 11°19 | 29°25 | 11° 0 | 13° 6 | 29°28 | 14°50 | 16°25 | 16°30 | 16°31 | 2° 6 | 22°36 | S 29 |
| M30 | 16 55 4 | 14°13'31 | 4♌47 | 27°17 | 11°28 | 29°58 | 10°59 | 13° 2 | 29°32 | 14°51 | 16°25 | 16°23 | 16°28 | 2°13 | 22°41 | M30 |
| T 31 | 16 59 0 | 15♊10'45 | 17♌17 | 29♊14 | 11♉39 | 0♓30 | 10♎59 | 12♐57 | 29♉35 | 14♌53 | 16♈26 | 16♍18 | 16♍25 | 2♎20 | 22♉45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n51 | 18n13 | 4s38 | 8n40 | 2s10 | 21n29 | 3n27 | 18s57 | 1s59 | 3s30 | 1n32 | 21s11 | 1n32 | 19n38 | 0s 8 | 17n 1 | 0n28 | 9s11 | 16s46 | 4n20 | 4n46 | 1n18 | 15n49 | 2s14 |
| M 2 | 17 7 | 16 56 | 4 3 | 9 24 | 2 3 | 21 7 | 3 15 | 18 48 | 2 1 | 3 29 | 1 32 | 21 11 | 1 32 | 19 39 | 0 8 | 17 1 | 0 28 | 9 11 | 16 46 | 4 22 | 4 47 | 1 16 | 15 50 | 2 14 |
| T 3 | 17 23 | 14 52 | 3 16 | 10 9 | 1 55 | 20 44 | 3 2 | 18 39 | 2 4 | 3 27 | 1 32 | 21 11 | 1 32 | 19 40 | 0 8 | 17 1 | 0 28 | 9 10 | 16 47 | 4 23 | 4 48 | 1 14 | 15 51 | 2 14 |
| W 4 | 17 39 | 12 11 | 2 22 | 10 54 | 1 47 | 20 21 | 2 49 | 18 30 | 2 6 | 3 25 | 1 32 | 21 10 | 1 32 | 19 41 | 0 8 | 17 1 | 0 28 | 9 10 | 16 47 | 4 23 | 4 50 | 1 12 | 15 52 | 2 14 |
| T 5 | 17 55 | 9 1 | 1 22 | 11 40 | 1 38 | 19 58 | 2 35 | 18 21 | 2 8 | 3 23 | 1 32 | 21 10 | 1 32 | 19 41 | 0 8 | 17 0 | 0 28 | 9 10 | 16 47 | 4 23 | 4 51 | 1 11 | 15 54 | 2 14 |
| F 6 | 18 10 | 5 32 | 0 20 | 12 26 | 1 29 | 19 34 | 2 21 | 18 12 | 2 10 | 3 22 | 1 31 | 21 9 | 1 32 | 19 42 | 0 8 | 17 0 | 0 28 | 9 10 | 16 47 | 4 23 | 4 52 | 1 9 | 15 55 | 2 14 |
| S 7 | 18 25 | 1 50 | 0n43 | 13 13 | 1 19 | 19 10 | 2 7 | 18 3 | 2 12 | 3 20 | 1 31 | 21 9 | 1 32 | 19 43 | 0 8 | 17 0 | 0 28 | 9 9 | 16 47 | 4 23 | 4 53 | 1 7 | 15 56 | 2 14 |
| S 8 | 18 40 | 1s56 | 1 44 | 14 0 | 1 10 | 18 46 | 1 53 | 17 54 | 2 14 | 3 19 | 1 31 | 21 8 | 1 32 | 19 44 | 0 8 | 17 0 | 0 28 | 9 9 | 16 48 | 4 23 | 4 55 | 1 5 | 15 57 | 2 14 |
| M 9 | 18 54 | 5 40 | 2 41 | 14 46 | 1 0 | 18 22 | 1 39 | 17 44 | 2 16 | 3 17 | 1 31 | 21 8 | 1 32 | 19 45 | 0 8 | 17 0 | 0 28 | 9 9 | 16 48 | 4 25 | 4 56 | 1 3 | 15 58 | 2 14 |
| T 10 | 19 8 | 9 12 | 3 32 | 15 32 | 0 49 | 17 58 | 1 25 | 17 35 | 2 18 | 3 16 | 1 30 | 21 8 | 1 32 | 19 45 | 0 8 | 17 0 | 0 28 | 9 9 | 16 48 | 4 28 | 4 57 | 1 1 | 15 59 | 2 14 |
| W11 | 19 22 | 12 25 | 4 13 | 16 18 | 0 39 | 17 35 | 1 11 | 17 26 | 2 21 | 3 15 | 1 30 | 21 7 | 1 32 | 19 46 | 0 8 | 16 59 | 0 28 | 9 8 | 16 48 | 4 31 | 4 58 | 0 59 | 16 0 | 2 15 |
| T 12 | 19 35 | 15 7 | 4 43 | 17 4 | 0 28 | 17 12 | 0 56 | 17 16 | 2 23 | 3 14 | 1 30 | 21 7 | 1 32 | 19 47 | 0 8 | 16 59 | 0 28 | 9 8 | 16 48 | 4 36 | 5 0 | 0 58 | 16 1 | 2 15 |
| F 13 | 19 48 | 17 10 | 4 59 | 17 48 | 0 17 | 16 50 | 0 42 | 17 7 | 2 25 | 3 12 | 1 30 | 21 6 | 1 32 | 19 48 | 0 8 | 16 59 | 0 28 | 9 8 | 16 49 | 4 40 | 5 1 | 0 56 | 16 2 | 2 15 |
| S 14 | 20 1 | 18 22 | 5 1 | 18 32 | 0 7 | 16 29 | 0 29 | 16 58 | 2 27 | 3 11 | 1 29 | 21 6 | 1 32 | 19 48 | 0 8 | 16 59 | 0 28 | 9 8 | 16 49 | 4 45 | 5 2 | 0 54 | 16 3 | 2 15 |
| S 15 | 20 14 | 18 37 | 4 47 | 19 14 | 0n 4 | 16 8 | 0 15 | 16 48 | 2 30 | 3 10 | 1 29 | 21 5 | 1 31 | 19 49 | 0 8 | 16 58 | 0 28 | 9 7 | 16 49 | 4 49 | 5 3 | 0 52 | 16 4 | 2 15 |
| M16 | 20 26 | 17 52 | 4 17 | 19 55 | 0 15 | 15 48 | 0 2 | 16 39 | 2 32 | 3 9 | 1 29 | 21 5 | 1 31 | 19 50 | 0 8 | 16 58 | 0 28 | 9 7 | 16 49 | 4 52 | 5 5 | 0 50 | 16 5 | 2 15 |
| T 17 | 20 37 | 16 5 | 3 33 | 20 34 | 0 25 | 15 29 | 0s11 | 16 29 | 2 34 | 3 9 | 1 29 | 21 4 | 1 31 | 19 51 | 0 8 | 16 58 | 0 28 | 9 7 | 16 49 | 4 54 | 5 6 | 0 48 | 16 6 | 2 15 |
| W18 | 20 49 | 13 23 | 2 35 | 21 12 | 0 35 | 15 11 | 0 24 | 16 20 | 2 37 | 3 8 | 1 28 | 21 4 | 1 31 | 19 52 | 0 8 | 16 58 | 0 28 | 9 7 | 16 50 | 4 55 | 5 7 | 0 46 | 16 7 | 2 15 |
| T 19 | 21 0 | 9 53 | 1 28 | 21 47 | 0 45 | 14 54 | 0 36 | 16 10 | 2 39 | 3 7 | 1 28 | 21 3 | 1 31 | 19 52 | 0 8 | 16 57 | 0 28 | 9 7 | 16 50 | 4 55 | 5 8 | 0 45 | 16 8 | 2 15 |
| F 20 | 21 10 | 5 47 | 0 15 | 22 20 | 0 54 | 14 38 | 0 48 | 16 1 | 2 41 | 3 6 | 1 28 | 21 3 | 1 31 | 19 53 | 0 8 | 16 57 | 0 28 | 9 7 | 16 50 | 4 55 | 5 10 | 0 43 | 16 10 | 2 16 |
| S 21 | 21 21 | 1 19 | 1s 0 | 22 51 | 1 3 | 14 24 | 1 0 | 15 51 | 2 44 | 3 6 | 1 28 | 21 3 | 1 31 | 19 54 | 0 8 | 16 57 | 0 28 | 9 7 | 16 50 | 4 56 | 5 11 | 0 41 | 16 11 | 2 16 |
| S 22 | 21 31 | 3n17 | 2 12 | 23 19 | 1 12 | 14 10 | 1 11 | 15 41 | 2 46 | 3 5 | 1 27 | 21 2 | 1 31 | 19 55 | 0 8 | 16 56 | 0 28 | 9 6 | 16 51 | 4 56 | 5 12 | 0 39 | 16 12 | 2 16 |
| M23 | 21 40 | 7 43 | 3 16 | 23 45 | 1 19 | 13 58 | 1 22 | 15 32 | 2 48 | 3 5 | 1 27 | 21 2 | 1 31 | 19 56 | 0 8 | 16 56 | 0 28 | 9 6 | 16 51 | 4 58 | 5 13 | 0 37 | 16 13 | 2 16 |
| T 24 | 21 50 | 11 42 | 4 7 | 24 8 | 1 27 | 13 46 | 1 33 | 15 22 | 2 51 | 3 4 | 1 27 | 21 1 | 1 31 | 19 56 | 0 8 | 16 56 | 0 28 | 9 6 | 16 51 | 5 1 | 5 15 | 0 35 | 16 14 | 2 16 |
| W25 | 21 58 | 14 57 | 4 42 | 24 28 | 1 33 | 13 36 | 1 43 | 15 13 | 2 53 | 3 4 | 1 26 | 21 1 | 1 31 | 19 57 | 0 8 | 16 55 | 0 28 | 9 6 | 16 51 | 5 4 | 5 16 | 0 33 | 16 15 | 2 16 |
| T 26 | 22 7 | 17 16 | 4 59 | 24 45 | 1 39 | 13 27 | 1 52 | 15 3 | 2 56 | 3 4 | 1 26 | 21 0 | 1 31 | 19 58 | 0 8 | 16 55 | 0 28 | 9 6 | 16 52 | 5 9 | 5 17 | 0 31 | 16 16 | 2 16 |
| F 27 | 22 15 | 18 30 | 4 58 | 25 0 | 1 44 | 13 19 | 2 1 | 14 54 | 2 58 | 3 4 | 1 26 | 21 0 | 1 31 | 19 59 | 0 8 | 16 55 | 0 28 | 9 6 | 16 52 | 5 13 | 5 18 | 0 30 | 16 17 | 2 16 |
| S 28 | 22 23 | 18 37 | 4 39 | 25 11 | 1 49 | 13 12 | 2 10 | 14 45 | 3 1 | 3 4 | 1 26 | 20 59 | 1 31 | 19 59 | 0 8 | 16 54 | 0 28 | 9 6 | 16 52 | 5 18 | 5 20 | 0 28 | 16 17 | 2 17 |
| S 29 | 22 30 | 17 43 | 4 6 | 25 20 | 1 52 | 13 6 | 2 18 | 14 35 | 3 3 | 3 4 | 1 25 | 20 59 | 1 31 | 20 0 | 0 8 | 16 54 | 0 28 | 9 6 | 16 53 | 5 21 | 5 21 | 0 26 | 16 18 | 2 17 |
| M30 | 22 37 | 15 54 | 3 21 | 25 27 | 1 55 | 13 2 | 2 26 | 14 26 | 3 6 | 3 4 | 1 25 | 20 58 | 1 31 | 20 1 | 0 8 | 16 54 | 0 28 | 9 6 | 16 53 | 5 24 | 5 22 | 0 24 | 16 19 | 2 17 |
| T 31 | 22n43 | 13n24 | 2s27 | 25n31 | 1n58 | 12n58 | 2s33 | 14s16 | 3s 8 | 3s 4 | 1n25 | 20s58 | 1n31 | 20n 2 | 0s 8 | 16n53 | 0n28 | 9s 6 | 16s53 | 5n26 | 5n23 | 0n22 | 16n20 | 2s17 |

Julian Day Number = 2124414.5, Delta T = 17m29s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'14, Lahiri = 11°22'14 Julian Calendar 1 May 1104 == Greg. Calendar 8 May 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## JUNE 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 2 57 | 16♊ 7'57 | 29♌29 | 1♋ 9 | 11♉52 | 1♓ 3 | 10°D59 | 12°R53 | 29♉39 | 14♌54 | 16♈27 | 16°R16 | 16♍21 | 2♎26 | 22♉49 | W 1 |
| T 2 | 17 6 54 | 17° 5'09 | 11♍28 | 3° 1 | 12° 7 | 1°35 | 10♎59 | 12♐49 | 29°42 | 14°55 | 16°28 | 16♍16 | 16°18 | 2°33 | 22°54 | T 2 |
| F 3 | 17 10 50 | 18° 2'21 | 23°19 | 4°52 | 12°24 | 2° 7 | 10°59 | 12°44 | 29°46 | 14°57 | 16°29 | 16°16 | 16°15 | 2°40 | 22°58 | F 3 |
| S 4 | 17 14 47 | 18°59'31 | 5♎ 7 | 6°40 | 12°42 | 2°39 | 10°59 | 12°40 | 29°49 | 14°58 | 16°29 | 16°15 | 16°12 | 2°46 | 23° 2 | S 4 |
| S 5 | 17 18 43 | 19°56'42 | 16°58 | 8°26 | 13° 3 | 3°10 | 11° 0 | 12°36 | 29°52 | 14°59 | 16°30 | 16°13 | 16° 9 | 2°53 | 23° 6 | S 5 |
| M 6 | 17 22 40 | 20°53'51 | 28°58 | 10°10 | 13°25 | 3°41 | 11° 1 | 12°31 | 29°56 | 15° 1 | 16°31 | 16° 9 | 16° 6 | 3° 0 | 23°10 | M 6 |
| T 7 | 17 26 36 | 21°51'01 | 11♏ 9 | 11°52 | 13°49 | 4°12 | 11° 2 | 12°27 | 29°59 | 15° 2 | 16°32 | 16° 1 | 16° 2 | 3° 6 | 23°14 | T 7 |
| W 8 | 17 30 33 | 22°48'09 | 23°35 | 13°31 | 14°15 | 4°43 | 11° 3 | 12°23 | 0♊ 2 | 15° 4 | 16°32 | 15°52 | 15°59 | 3°13 | 23°19 | W 8 |
| T 9 | 17 34 29 | 23°45'18 | 6♐17 | 15° 8 | 14°42 | 5°13 | 11° 4 | 12°18 | 0° 6 | 15° 5 | 16°33 | 15°41 | 15°56 | 3°19 | 23°23 | T 9 |
| F 10 | 17 38 26 | 24°42'27 | 19°17 | 16°43 | 15°11 | 5°43 | 11° 5 | 12°14 | 0° 9 | 15° 7 | 16°34 | 15°28 | 15°53 | 3°26 | 23°27 | F 10 |
| S 11 | 17 42 23 | 25°39'35 | 2♑33 | 18°15 | 15°41 | 6°12 | 11° 7 | 12°10 | 0°12 | 15° 8 | 16°34 | 15°16 | 15°50 | 3°33 | 23°31 | S 11 |
| S 12 | 17 46 19 | 26°36'43 | 16° 4 | 19°45 | 16°13 | 6°42 | 11° 9 | 12° 6 | 0°16 | 15°10 | 16°35 | 15° 6 | 15°47 | 3°39 | 23°35 | S 12 |
| M13 | 17 50 16 | 27°33'52 | 29°47 | 21°13 | 16°46 | 7°11 | 11°11 | 12° 1 | 0°19 | 15°12 | 16°35 | 14°57 | 15°43 | 3°46 | 23°39 | M13 |
| T 14 | 17 54 12 | 28°31'00 | 13♒38 | 22°39 | 17°20 | 7°40 | 11°13 | 11°57 | 0°22 | 15°13 | 16°36 | 14°52 | 15°40 | 3°53 | 23°43 | T 14 |
| W15 | 17 58 9 | 29°28'09 | 27°36 | 24° 2 | 17°56 | 8° 8 | 11°15 | 11°53 | 0°25 | 15°15 | 16°36 | 14°49 | 15°37 | 3°59 | 23°47 | W15 |
| T 16 | 18 2 5 | 0♋25'18 | 11♓38 | 25°23 | 18°33 | 8°36 | 11°18 | 11°49 | 0°28 | 15°17 | 16°37 | 14°D48 | 15°34 | 4° 6 | 23°50 | T 16 |
| F 17 | 18 6 2 | 1°22'28 | 25°44 | 26°41 | 19°11 | 9° 4 | 11°21 | 11°45 | 0°32 | 15°18 | 16°37 | 14°R48 | 15°31 | 4°13 | 23°54 | F 17 |
| S 18 | 18 9 58 | 2°19'37 | 9♈52 | 27°57 | 19°50 | 9°31 | 11°23 | 11°41 | 0°35 | 15°20 | 16°38 | 14°48 | 15°27 | 4°19 | 23°58 | S 18 |
| S 19 | 18 13 55 | 3°16'48 | 24° 2 | 29°10 | 20°30 | 9°58 | 11°27 | 11°37 | 0°38 | 15°22 | 16°38 | 14°46 | 15°24 | 4°26 | 24° 2 | S 19 |
| M20 | 18 17 52 | 4°13'59 | 8♉11 | 0♌21 | 21°11 | 10°24 | 11°30 | 11°33 | 0°41 | 15°23 | 16°39 | 14°43 | 15°21 | 4°33 | 24° 6 | M20 |
| T 21 | 18 21 48 | 5°11'10 | 22°17 | 1°29 | 21°53 | 10°50 | 11°33 | 11°29 | 0°44 | 15°25 | 16°39 | 14°36 | 15°18 | 4°39 | 24° 9 | T 21 |
| W22 | 18 25 45 | 6° 8'22 | 6♊18 | 2°34 | 22°36 | 11°16 | 11°37 | 11°25 | 0°47 | 15°27 | 16°40 | 14°28 | 15°15 | 4°46 | 24°13 | W22 |
| T 23 | 18 29 41 | 7° 5'34 | 20° 8 | 3°37 | 23°21 | 11°41 | 11°40 | 11°22 | 0°50 | 15°29 | 16°40 | 14°18 | 15°12 | 4°53 | 24°17 | T 23 |
| F 24 | 18 33 38 | 8° 2'47 | 3♋45 | 4°36 | 24° 5 | 12° 6 | 11°44 | 11°18 | 0°53 | 15°31 | 16°40 | 14° 7 | 15° 8 | 4°59 | 24°20 | F 24 |
| S 25 | 18 37 34 | 9° 0'01 | 17° 5 | 5°32 | 24°51 | 12°30 | 11°48 | 11°14 | 0°56 | 15°33 | 16°41 | 13°57 | 15° 5 | 5° 6 | 24°24 | S 25 |
| S 26 | 18 41 31 | 9°57'14 | 0♌ 7 | 6°26 | 25°38 | 12°54 | 11°52 | 11°11 | 0°59 | 15°34 | 16°41 | 13°48 | 15° 2 | 5°13 | 24°27 | S 26 |
| M27 | 18 45 27 | 10°54'28 | 12°50 | 7°16 | 26°25 | 13°17 | 11°57 | 11° 7 | 1° 2 | 15°36 | 16°41 | 13°42 | 14°59 | 5°19 | 24°31 | M27 |
| T 28 | 18 49 24 | 11°51'42 | 25°14 | 8° 2 | 27°13 | 13°40 | 12° 1 | 11° 4 | 1° 5 | 15°38 | 16°42 | 13°38 | 14°56 | 5°26 | 24°34 | T 28 |
| W29 | 18 53 21 | 12°48'56 | 7♍24 | 8°45 | 28° 2 | 14° 3 | 12° 6 | 11° 0 | 1° 8 | 15°40 | 16°42 | 13°36 | 14°53 | 5°33 | 24°38 | W29 |
| T 30 | 18 57 17 | 13♋46'11 | 19♍22 | 9♌24 | 28♉52 | 14♓24 | 12♎11 | 10♐57 | 1♊10 | 15♌42 | 16♈42 | 13°D36 | 14♍49 | 5♎39 | 24♉41 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22n50 | 10n20 | 1s28 | 25n32 | 1n59 | 12n55 | 2s41 | 14s 7 | 3s11 | 3s 4 | 1n24 | 20s57 | 1n31 | 20n 2 | 0s 8 | 16n53 | 0n28 | 9s 6 | 16s53 | 5n26 | 5n24 | 0n20 | 16n21 | 2s17 | W 1 |
| T 2 | 22 55 | 6 54 | 0 25 | 25 31 | 2 0 | 12 53 | 2 47 | 13 58 | 3 13 | 3 4 | 1 24 | 20 57 | 1 30 | 20 3 | 0 8 | 16 53 | 0 28 | 9 6 | 16 54 | 5 27 | 5 26 | 0 18 | 16 22 | 2 17 | T 2 |
| F 3 | 23 1 | 3 14 | 0n37 | 25 28 | 2 0 | 12 53 | 2 53 | 13 49 | 3 16 | 3 5 | 1 24 | 20 56 | 1 30 | 20 4 | 0 8 | 16 52 | 0 28 | 9 6 | 16 54 | 5 27 | 5 27 | 0 16 | 16 23 | 2 17 | F 3 |
| S 4 | 23 6 | 0s32 | 1 38 | 25 22 | 1 59 | 12 53 | 2 59 | 13 40 | 3 18 | 3 5 | 1 24 | 20 56 | 1 30 | 20 5 | 0 8 | 16 52 | 0 28 | 9 6 | 16 54 | 5 27 | 5 28 | 0 15 | 16 24 | 2 18 | S 4 |
| S 5 | 23 10 | 4 19 | 2 35 | 25 15 | 1 58 | 12 53 | 3 5 | 13 30 | 3 21 | 3 6 | 1 23 | 20 55 | 1 30 | 20 5 | 0 8 | 16 51 | 0 28 | 9 6 | 16 55 | 5 28 | 5 29 | 0 13 | 16 25 | 2 18 | S 5 |
| M 6 | 23 14 | 7 57 | 3 26 | 25 5 | 1 56 | 12 55 | 3 10 | 13 21 | 3 23 | 3 6 | 1 23 | 20 55 | 1 30 | 20 6 | 0 8 | 16 51 | 0 28 | 9 6 | 16 55 | 5 30 | 5 31 | 0 11 | 16 26 | 2 18 | M 6 |
| T 7 | 23 18 | 11 19 | 4 8 | 24 54 | 1 53 | 12 58 | 3 15 | 13 13 | 3 26 | 3 7 | 1 23 | 20 54 | 1 30 | 20 7 | 0 8 | 16 50 | 0 28 | 9 6 | 16 55 | 5 32 | 5 32 | 0 9 | 16 27 | 2 18 | T 7 |
| W 8 | 23 21 | 14 15 | 4 39 | 24 41 | 1 50 | 13 1 | 3 19 | 13 4 | 3 29 | 3 8 | 1 23 | 20 54 | 1 30 | 20 7 | 0 8 | 16 50 | 0 28 | 9 6 | 16 56 | 5 36 | 5 33 | 0 7 | 16 28 | 2 18 | W 8 |
| T 9 | 23 24 | 16 35 | 4 57 | 24 27 | 1 46 | 13 5 | 3 24 | 12 55 | 3 31 | 3 8 | 1 22 | 20 54 | 1 30 | 20 8 | 0 8 | 16 50 | 0 28 | 9 6 | 16 56 | 5 40 | 5 34 | 0 5 | 16 28 | 2 18 | T 9 |
| F 10 | 23 27 | 18 8 | 5 0 | 24 11 | 1 42 | 13 9 | 3 28 | 12 46 | 3 34 | 3 9 | 1 22 | 20 53 | 1 30 | 20 9 | 0 8 | 16 49 | 0 28 | 9 6 | 16 56 | 5 45 | 5 36 | 0 3 | 16 29 | 2 19 | F 10 |
| S 11 | 23 29 | 18 44 | 4 48 | 23 54 | 1 37 | 13 15 | 3 31 | 12 38 | 3 37 | 3 10 | 1 22 | 20 53 | 1 30 | 20 10 | 0 8 | 16 49 | 0 28 | 9 6 | 16 56 | 5 50 | 5 37 | 0 1 | 16 30 | 2 19 | S 11 |
| S 12 | 23 31 | 18 18 | 4 19 | 23 35 | 1 31 | 13 21 | 3 34 | 12 29 | 3 39 | 3 11 | 1 21 | 20 52 | 1 29 | 20 10 | 0 8 | 16 48 | 0 28 | 9 6 | 16 57 | 5 54 | 5 38 | 0s 0 | 16 31 | 2 19 | S 12 |
| M13 | 23 32 | 16 48 | 3 35 | 23 16 | 1 25 | 13 27 | 3 37 | 12 21 | 3 42 | 3 12 | 1 21 | 20 52 | 1 29 | 20 11 | 0 8 | 16 48 | 0 28 | 9 6 | 16 57 | 5 57 | 5 39 | 0 2 | 16 32 | 2 19 | M13 |
| T 14 | 23 33 | 14 18 | 2 37 | 22 55 | 1 18 | 13 34 | 3 40 | 12 12 | 3 45 | 3 13 | 1 21 | 20 51 | 1 29 | 20 12 | 0 8 | 16 47 | 0 28 | 9 6 | 16 57 | 5 59 | 5 41 | 0 4 | 16 33 | 2 19 | T 14 |
| W15 | 23 33 | 10 57 | 1 30 | 22 34 | 1 11 | 13 42 | 3 42 | 12 4 | 3 47 | 3 14 | 1 21 | 20 51 | 1 29 | 20 12 | 0 8 | 16 47 | 0 28 | 9 6 | 16 58 | 6 1 | 5 42 | 0 6 | 16 33 | 2 19 | W15 |
| T 16 | 23 33 | 6 58 | 0 17 | 22 11 | 1 3 | 13 50 | 3 45 | 11 56 | 3 50 | 3 16 | 1 20 | 20 51 | 1 29 | 20 13 | 0 8 | 16 46 | 0 28 | 9 6 | 16 58 | 6 1 | 5 43 | 0 8 | 16 34 | 2 20 | T 16 |
| F 17 | 23 33 | 2 35 | 0s58 | 21 48 | 0 54 | 13 58 | 3 47 | 11 48 | 3 53 | 3 17 | 1 20 | 20 50 | 1 29 | 20 14 | 0 8 | 16 46 | 0 28 | 9 6 | 16 58 | 6 1 | 5 44 | 0 10 | 16 35 | 2 20 | F 17 |
| S 18 | 23 32 | 1n57 | 2 9 | 21 25 | 0 45 | 14 7 | 3 48 | 11 40 | 3 55 | 3 18 | 1 20 | 20 50 | 1 29 | 20 14 | 0 8 | 16 45 | 0 28 | 9 7 | 16 59 | 6 1 | 5 46 | 0 12 | 16 36 | 2 20 | S 18 |
| S 19 | 23 31 | 6 23 | 3 12 | 21 1 | 0 36 | 14 16 | 3 50 | 11 32 | 3 58 | 3 20 | 1 19 | 20 49 | 1 29 | 20 15 | 0 8 | 16 45 | 0 28 | 9 7 | 16 59 | 6 1 | 5 47 | 0 14 | 16 36 | 2 20 | S 19 |
| M20 | 23 29 | 10 27 | 4 4 | 20 36 | 0 26 | 14 26 | 3 51 | 11 25 | 4 1 | 3 21 | 1 19 | 20 49 | 1 28 | 20 16 | 0 8 | 16 44 | 0 28 | 9 7 | 16 59 | 6 3 | 5 48 | 0 16 | 16 37 | 2 20 | M20 |
| T 21 | 23 27 | 13 54 | 4 40 | 20 11 | 0 16 | 14 35 | 3 52 | 11 17 | 4 4 | 3 23 | 1 19 | 20 49 | 1 28 | 20 16 | 0 8 | 16 44 | 0 28 | 9 7 | 17 0 | 6 5 | 5 49 | 0 17 | 16 38 | 2 20 | T 21 |
| W22 | 23 25 | 16 32 | 5 0 | 19 46 | 0 6 | 14 46 | 3 53 | 11 10 | 4 7 | 3 24 | 1 19 | 20 48 | 1 28 | 20 17 | 0 8 | 16 43 | 0 28 | 9 7 | 17 0 | 6 9 | 5 50 | 0 19 | 16 39 | 2 21 | W22 |
| T 23 | 23 22 | 18 11 | 5 1 | 19 21 | 0s 5 | 14 56 | 3 53 | 11 3 | 4 9 | 3 26 | 1 18 | 20 48 | 1 28 | 20 18 | 0 8 | 16 43 | 0 28 | 9 7 | 17 0 | 6 13 | 5 52 | 0 21 | 16 39 | 2 21 | T 23 |
| F 24 | 23 18 | 18 45 | 4 46 | 18 56 | 0 17 | 15 7 | 3 53 | 10 56 | 4 12 | 3 28 | 1 18 | 20 47 | 1 28 | 20 18 | 0 8 | 16 42 | 0 28 | 9 7 | 17 1 | 6 17 | 5 53 | 0 23 | 16 40 | 2 21 | F 24 |
| S 25 | 23 15 | 18 15 | 4 14 | 18 31 | 0 29 | 15 18 | 3 54 | 10 49 | 4 15 | 3 30 | 1 18 | 20 47 | 1 28 | 20 19 | 0 8 | 16 41 | 0 28 | 9 8 | 17 1 | 6 21 | 5 54 | 0 25 | 16 41 | 2 21 | S 25 |
| S 26 | 23 11 | 16 48 | 3 30 | 18 6 | 0 41 | 15 29 | 3 54 | 10 43 | 4 18 | 3 32 | 1 18 | 20 47 | 1 28 | 20 19 | 0 8 | 16 41 | 0 28 | 9 8 | 17 1 | 6 24 | 5 55 | 0 27 | 16 41 | 2 21 | S 26 |
| M27 | 23 6 | 14 32 | 2 37 | 17 41 | 0 53 | 15 40 | 3 53 | 10 36 | 4 21 | 3 34 | 1 17 | 20 46 | 1 27 | 20 20 | 0 8 | 16 40 | 0 28 | 9 8 | 17 2 | 6 26 | 5 57 | 0 29 | 16 42 | 2 22 | M27 |
| T 28 | 23 1 | 11 39 | 1 37 | 17 17 | 1 6 | 15 51 | 3 53 | 10 30 | 4 23 | 3 36 | 1 17 | 20 46 | 1 27 | 20 21 | 0 8 | 16 40 | 0 28 | 9 8 | 17 2 | 6 28 | 5 58 | 0 31 | 16 43 | 2 22 | T 28 |
| W29 | 22 56 | 8 19 | 0 33 | 16 53 | 1 19 | 16 2 | 3 52 | 10 24 | 4 26 | 3 38 | 1 17 | 20 46 | 1 27 | 20 21 | 0 8 | 16 39 | 0 28 | 9 8 | 17 2 | 6 29 | 5 59 | 0 33 | 16 43 | 2 22 | W29 |
| T 30 | 22n50 | 4n42 | 0n31 | 16n30 | 1s32 | 16n14 | 3s52 | 10s18 | 4s29 | 3s40 | 1n16 | 20s45 | 1n27 | 20n22 | 0s 8 | 16n39 | 0n28 | 9s 9 | 17s 3 | 6n29 | 6n 0 | 0s34 | 16n44 | 2s22 | T 30 |

Julian Day Number = 2124445.5, Delta T = 17m28s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'18, Lahiri = 11°22'19 Julian Calendar 1 June 1104 == Greg. Calendar 8 June 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## JULY 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 1 14 | 14♋43'26 | 1♎13 | 10♌ 0 | 29♉42 | 14♓46 | 12♎16 | 10°R54 | 1♊13 | 15♌44 | 16♈42 | 13♍37 | 14♍46 | 5♎46 | 24♉44 | F 1 |
| S 2 | 19 5 10 | 15°40'41 | 13° 2 | 10°31 | 0♊33 | 15° 7 | 12°21 | 10♐50 | 1°16 | 15°46 | 16°43 | 13°R37 | 14°43 | 5°52 | 24°48 | S 2 |
| S 3 | 19 9 7 | 16°37'57 | 24°54 | 10°58 | 1°25 | 15°27 | 12°26 | 10°47 | 1°19 | 15°48 | 16°43 | 13°37 | 14°40 | 5°59 | 24°51 | S 3 |
| M 4 | 19 13 3 | 17°35'13 | 6♏55 | 11°21 | 2°17 | 15°46 | 12°31 | 10°44 | 1°21 | 15°50 | 16°43 | 13°35 | 14°37 | 6° 6 | 24°54 | M 4 |
| T 5 | 19 17 0 | 18°32'30 | 19° 9 | 11°39 | 3°10 | 16° 6 | 12°37 | 10°41 | 1°24 | 15°52 | 16°43 | 13°31 | 14°33 | 6°12 | 24°57 | T 5 |
| W 6 | 19 20 56 | 19°29'47 | 1♐41 | 11°53 | 4° 3 | 16°24 | 12°43 | 10°38 | 1°27 | 15°54 | 16°43 | 13°25 | 14°30 | 6°19 | 25° 0 | W 6 |
| T 7 | 19 24 53 | 20°27'04 | 14°32 | 12° 2 | 4°57 | 16°42 | 12°49 | 10°35 | 1°29 | 15°56 | 16°43 | 13°17 | 14°27 | 6°26 | 25° 3 | T 7 |
| F 8 | 19 28 50 | 21°24'23 | 27°45 | 12°R 6 | 5°51 | 17° 0 | 12°55 | 10°33 | 1°32 | 15°58 | 16°43 | 13° 9 | 14°24 | 6°32 | 25° 6 | F 8 |
| S 9 | 19 32 46 | 22°21'42 | 11♑19 | 12° 5 | 6°46 | 17°16 | 13° 1 | 10°30 | 1°34 | 16° 0 | 16°43 | 13° 0 | 14°21 | 6°39 | 25° 9 | S 9 |
| S 10 | 19 36 43 | 23°19'02 | 25°11 | 11°58 | 7°42 | 17°33 | 13° 7 | 10°27 | 1°37 | 16° 2 | 16°43 | 12°53 | 14°18 | 6°46 | 25°12 | S 10 |
| M11 | 19 40 39 | 24°16'22 | 9♒17 | 11°47 | 8°38 | 17°48 | 13°14 | 10°25 | 1°39 | 16° 4 | 16°R43 | 12°47 | 14°14 | 6°52 | 25°15 | M11 |
| T 12 | 19 44 36 | 25°13'44 | 23°34 | 11°30 | 9°34 | 18° 3 | 13°20 | 10°22 | 1°42 | 16° 6 | 16°43 | 12°44 | 14°11 | 6°59 | 25°18 | T 12 |
| W13 | 19 48 32 | 26°11'06 | 7♓56 | 11° 9 | 10°31 | 18°17 | 13°27 | 10°20 | 1°44 | 16° 9 | 16°43 | 12°D42 | 14° 8 | 7° 6 | 25°21 | W13 |
| T 14 | 19 52 29 | 27° 8'30 | 22°18 | 10°42 | 11°28 | 18°31 | 13°34 | 10°17 | 1°46 | 16°11 | 16°43 | 12°42 | 14° 5 | 7°12 | 25°23 | T 14 |
| F 15 | 19 56 25 | 28° 5'55 | 6♈38 | 10°11 | 12°26 | 18°44 | 13°41 | 10°15 | 1°49 | 16°13 | 16°43 | 12°43 | 14° 2 | 7°19 | 25°26 | F 15 |
| S 16 | 20 0 22 | 29° 3'21 | 20°52 | 9°36 | 13°24 | 18°56 | 13°48 | 10°13 | 1°51 | 16°15 | 16°43 | 12°44 | 13°58 | 7°26 | 25°29 | S 16 |
| S 17 | 20 4 19 | 0♌ 0'49 | 4♉59 | 8°56 | 14°23 | 19° 7 | 13°55 | 10°11 | 1°53 | 16°17 | 16°43 | 12°R45 | 13°55 | 7°32 | 25°31 | S 17 |
| M18 | 20 8 15 | 0°58'18 | 18°57 | 8°14 | 15°22 | 19°18 | 14° 2 | 10° 9 | 1°55 | 16°19 | 16°43 | 12°43 | 13°52 | 7°39 | 25°34 | M18 |
| T 19 | 20 12 12 | 1°55'48 | 2♊45 | 7°29 | 16°21 | 19°28 | 14°10 | 10° 7 | 1°58 | 16°21 | 16°43 | 12°40 | 13°49 | 7°46 | 25°36 | T 19 |
| W20 | 20 16 8 | 2°53'20 | 16°23 | 6°42 | 17°21 | 19°37 | 14°17 | 10° 5 | 2° 0 | 16°24 | 16°42 | 12°35 | 13°46 | 7°52 | 25°39 | W20 |
| T 21 | 20 20 5 | 3°50'54 | 29°48 | 5°53 | 18°21 | 19°45 | 14°25 | 10° 3 | 2° 2 | 16°26 | 16°42 | 12°29 | 13°43 | 7°59 | 25°41 | T 21 |
| F 22 | 20 24 1 | 4°48'28 | 13♋ 1 | 5° 5 | 19°22 | 19°53 | 14°33 | 10° 2 | 2° 4 | 16°28 | 16°42 | 12°23 | 13°39 | 8° 6 | 25°43 | F 22 |
| S 23 | 20 27 58 | 5°46'04 | 25°59 | 4°17 | 20°23 | 19°59 | 14°41 | 10° 0 | 2° 6 | 16°30 | 16°42 | 12°17 | 13°36 | 8°12 | 25°46 | S 23 |
| S 24 | 20 31 54 | 6°43'42 | 8♌42 | 3°31 | 21°24 | 20° 5 | 14°49 | 9°59 | 2° 8 | 16°32 | 16°41 | 12°12 | 13°33 | 8°19 | 25°48 | S 24 |
| M25 | 20 35 51 | 7°41'20 | 21°11 | 2°47 | 22°25 | 20°10 | 14°57 | 9°57 | 2°10 | 16°35 | 16°41 | 12° 9 | 13°30 | 8°26 | 25°50 | M25 |
| T 26 | 20 39 48 | 8°39'00 | 3♍26 | 2° 7 | 23°27 | 20°15 | 15° 6 | 9°56 | 2°12 | 16°37 | 16°41 | 12° 7 | 13°27 | 8°32 | 25°52 | T 26 |
| W27 | 20 43 44 | 9°36'41 | 15°30 | 1°30 | 24°29 | 20°18 | 15°14 | 9°55 | 2°13 | 16°39 | 16°41 | 12°D 6 | 13°24 | 8°39 | 25°54 | W27 |
| T 28 | 20 47 41 | 10°34'23 | 27°24 | 0°59 | 25°31 | 20°21 | 15°23 | 9°54 | 2°15 | 16°41 | 16°40 | 12° 7 | 13°20 | 8°46 | 25°56 | T 28 |
| F 29 | 20 51 37 | 11°32'06 | 9♎14 | 0°34 | 26°34 | 20°22 | 15°32 | 9°53 | 2°17 | 16°43 | 16°40 | 12° 9 | 13°17 | 8°52 | 25°58 | F 29 |
| S 30 | 20 55 34 | 12°29'50 | 21° 2 | 0°15 | 27°37 | 20°23 | 15°40 | 9°52 | 2°19 | 16°46 | 16°39 | 12°11 | 13°14 | 8°59 | 26° 0 | S 30 |
| S 31 | 20 59 30 | 13♌27'36 | 2♏54 | 0♌ 3 | 28♊40 | 20°R23 | 15♎49 | 9♐51 | 2♊20 | 16♌48 | 16♈39 | 12♍12 | 13♍11 | 9♎ 6 | 26♉ 1 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n44 | 0n56 | 1n33 | 16n 8 | 1s45 | 16n25 | 3s51 | 10s12 | 4s32 | 3s42 | 1n16 | 20s45 | 1n27 | 20n22 | 0s 8 | 16n38 | 0n28 | 9s 9 | 17s 3 | 6n28 | 6n 2 | 0s36 | 16n44 | 2s22 |
| S 2 | 22 38 | 2s51 | 2 31 | 15 47 | 1 59 | 16 37 | 3 50 | 10 6 | 4 35 | 3 44 | 1 16 | 20 45 | 1 27 | 20 23 | 0 8 | 16 37 | 0 28 | 9 9 | 17 3 | 6 28 | 6 3 | 0 38 | 16 45 | 2 23 |
| S 3 | 22 31 | 6 32 | 3 23 | 15 26 | 2 12 | 16 49 | 3 49 | 10 1 | 4 37 | 3 46 | 1 16 | 20 45 | 1 26 | 20 23 | 0 8 | 16 37 | 0 28 | 9 9 | 17 4 | 6 28 | 6 4 | 0 40 | 16 46 | 2 23 |
| M 4 | 22 23 | 10 0 | 4 7 | 15 7 | 2 26 | 17 0 | 3 47 | 9 56 | 4 40 | 3 49 | 1 15 | 20 44 | 1 26 | 20 24 | 0 8 | 16 36 | 0 28 | 9 10 | 17 4 | 6 29 | 6 5 | 0 42 | 16 46 | 2 23 |
| T 5 | 22 16 | 13 6 | 4 40 | 14 49 | 2 39 | 17 12 | 3 46 | 9 51 | 4 43 | 3 51 | 1 15 | 20 44 | 1 26 | 20 25 | 0 8 | 16 36 | 0 28 | 9 10 | 17 5 | 6 31 | 6 6 | 0 44 | 16 47 | 2 23 |
| W 6 | 22 8 | 15 41 | 5 0 | 14 32 | 2 53 | 17 23 | 3 44 | 9 46 | 4 46 | 3 54 | 1 15 | 20 44 | 1 26 | 20 25 | 0 8 | 16 35 | 0 28 | 9 10 | 17 5 | 6 33 | 6 8 | 0 46 | 16 47 | 2 23 |
| T 7 | 21 59 | 17 34 | 5 7 | 14 17 | 3 6 | 17 35 | 3 42 | 9 42 | 4 49 | 3 56 | 1 15 | 20 43 | 1 26 | 20 26 | 0 8 | 16 34 | 0 28 | 9 11 | 17 5 | 6 36 | 6 9 | 0 48 | 16 48 | 2 24 |
| F 8 | 21 50 | 18 35 | 4 57 | 14 4 | 3 19 | 17 46 | 3 40 | 9 37 | 4 51 | 3 59 | 1 14 | 20 43 | 1 26 | 20 26 | 0 8 | 16 34 | 0 28 | 9 11 | 17 6 | 6 39 | 6 10 | 0 49 | 16 48 | 2 24 |
| S 9 | 21 41 | 18 35 | 4 31 | 13 52 | 3 32 | 17 57 | 3 38 | 9 33 | 4 54 | 4 1 | 1 14 | 20 43 | 1 25 | 20 27 | 0 8 | 16 33 | 0 28 | 9 11 | 17 6 | 6 42 | 6 11 | 0 51 | 16 49 | 2 24 |
| S 10 | 21 32 | 17 28 | 3 48 | 13 42 | 3 44 | 18 8 | 3 36 | 9 30 | 4 57 | 4 4 | 1 14 | 20 43 | 1 25 | 20 27 | 0 8 | 16 33 | 0 28 | 9 11 | 17 6 | 6 45 | 6 13 | 0 53 | 16 49 | 2 24 |
| M11 | 21 22 | 15 17 | 2 50 | 13 34 | 3 55 | 18 19 | 3 34 | 9 26 | 5 0 | 4 7 | 1 14 | 20 43 | 1 25 | 20 28 | 0 8 | 16 32 | 0 28 | 9 12 | 17 7 | 6 47 | 6 14 | 0 55 | 16 50 | 2 25 |
| T 12 | 21 11 | 12 8 | 1 42 | 13 28 | 4 6 | 18 30 | 3 32 | 9 23 | 5 2 | 4 10 | 1 13 | 20 42 | 1 25 | 20 28 | 0 8 | 16 31 | 0 28 | 9 12 | 17 7 | 6 49 | 6 15 | 0 57 | 16 50 | 2 25 |
| W13 | 21 1 | 8 14 | 0 26 | 13 24 | 4 16 | 18 41 | 3 29 | 9 19 | 5 5 | 4 12 | 1 13 | 20 42 | 1 25 | 20 29 | 0 8 | 16 31 | 0 28 | 9 12 | 17 7 | 6 49 | 6 16 | 0 59 | 16 51 | 2 25 |
| T 14 | 20 50 | 3 52 | 0s52 | 13 23 | 4 25 | 18 51 | 3 27 | 9 17 | 5 8 | 4 15 | 1 13 | 20 42 | 1 25 | 20 29 | 0 8 | 16 30 | 0 28 | 9 13 | 17 8 | 6 49 | 6 18 | 1 1 | 16 51 | 2 25 |
| F 15 | 20 38 | 0n43 | 2 6 | 13 24 | 4 33 | 19 1 | 3 24 | 9 14 | 5 10 | 4 18 | 1 13 | 20 42 | 1 24 | 20 30 | 0 8 | 16 29 | 0 28 | 9 13 | 17 8 | 6 49 | 6 19 | 1 3 | 16 51 | 2 26 |
| S 16 | 20 27 | 5 13 | 3 12 | 13 27 | 4 39 | 19 11 | 3 21 | 9 12 | 5 13 | 4 21 | 1 12 | 20 42 | 1 24 | 20 30 | 0 8 | 16 29 | 0 28 | 9 13 | 17 8 | 6 49 | 6 20 | 1 5 | 16 52 | 2 26 |
| S 17 | 20 15 | 9 23 | 4 6 | 13 32 | 4 44 | 19 21 | 3 18 | 9 10 | 5 16 | 4 24 | 1 12 | 20 42 | 1 24 | 20 31 | 0 8 | 16 28 | 0 28 | 9 14 | 17 9 | 6 48 | 6 21 | 1 7 | 16 52 | 2 26 |
| M18 | 20 2 | 12 59 | 4 44 | 13 40 | 4 48 | 19 31 | 3 15 | 9 8 | 5 18 | 4 27 | 1 12 | 20 42 | 1 24 | 20 31 | 0 8 | 16 28 | 0 28 | 9 14 | 17 9 | 6 49 | 6 22 | 1 8 | 16 53 | 2 26 |
| T 19 | 19 49 | 15 49 | 5 6 | 13 49 | 4 49 | 19 40 | 3 12 | 9 6 | 5 21 | 4 31 | 1 12 | 20 42 | 1 24 | 20 31 | 0 8 | 16 27 | 0 28 | 9 15 | 17 9 | 6 50 | 6 24 | 1 10 | 16 53 | 2 26 |
| W20 | 19 36 | 17 43 | 5 10 | 14 1 | 4 49 | 19 49 | 3 9 | 9 5 | 5 23 | 4 34 | 1 12 | 20 41 | 1 23 | 20 32 | 0 8 | 16 26 | 0 28 | 9 15 | 17 10 | 6 52 | 6 25 | 1 12 | 16 53 | 2 27 |
| T 21 | 19 23 | 18 37 | 4 56 | 14 15 | 4 48 | 19 57 | 3 6 | 9 4 | 5 26 | 4 37 | 1 11 | 20 41 | 1 23 | 20 32 | 0 8 | 16 26 | 0 28 | 9 15 | 17 10 | 6 54 | 6 26 | 1 14 | 16 54 | 2 27 |
| F 22 | 19 9 | 18 29 | 4 27 | 14 30 | 4 44 | 20 5 | 3 3 | 9 3 | 5 28 | 4 40 | 1 11 | 20 41 | 1 23 | 20 33 | 0 8 | 16 25 | 0 28 | 9 16 | 17 10 | 6 57 | 6 27 | 1 16 | 16 54 | 2 27 |
| S 23 | 18 55 | 17 22 | 3 45 | 14 46 | 4 38 | 20 13 | 2 59 | 9 3 | 5 31 | 4 43 | 1 11 | 20 41 | 1 23 | 20 33 | 0 8 | 16 24 | 0 28 | 9 16 | 17 11 | 6 59 | 6 29 | 1 18 | 16 54 | 2 27 |
| S 24 | 18 41 | 15 24 | 2 52 | 15 4 | 4 31 | 20 21 | 2 56 | 9 2 | 5 33 | 4 47 | 1 11 | 20 41 | 1 23 | 20 34 | 0 8 | 16 24 | 0 28 | 9 16 | 17 11 | 7 1 | 6 30 | 1 20 | 16 54 | 2 28 |
| M25 | 18 26 | 12 44 | 1 52 | 15 23 | 4 22 | 20 28 | 2 53 | 9 2 | 5 35 | 4 50 | 1 10 | 20 41 | 1 23 | 20 34 | 0 8 | 16 23 | 0 28 | 9 17 | 17 11 | 7 2 | 6 31 | 1 22 | 16 55 | 2 28 |
| T 26 | 18 11 | 9 34 | 0 47 | 15 42 | 4 11 | 20 35 | 2 49 | 9 3 | 5 37 | 4 54 | 1 10 | 20 41 | 1 22 | 20 34 | 0 8 | 16 22 | 0 28 | 9 17 | 17 12 | 7 3 | 6 32 | 1 24 | 16 55 | 2 28 |
| W27 | 17 56 | 6 2 | 0n19 | 16 2 | 3 59 | 20 41 | 2 45 | 9 3 | 5 39 | 4 57 | 1 10 | 20 41 | 1 22 | 20 35 | 0 8 | 16 22 | 0 28 | 9 18 | 17 12 | 7 3 | 6 33 | 1 25 | 16 55 | 2 28 |
| T 28 | 17 40 | 2 18 | 1 23 | 16 22 | 3 45 | 20 47 | 2 42 | 9 4 | 5 42 | 5 1 | 1 10 | 20 41 | 1 22 | 20 35 | 0 8 | 16 21 | 0 28 | 9 18 | 17 12 | 7 3 | 6 35 | 1 27 | 16 55 | 2 29 |
| F 29 | 17 24 | 1s29 | 2 23 | 16 42 | 3 30 | 20 53 | 2 38 | 9 5 | 5 44 | 5 4 | 1 10 | 20 41 | 1 22 | 20 35 | 0 8 | 16 20 | 0 28 | 9 19 | 17 13 | 7 2 | 6 36 | 1 29 | 16 55 | 2 29 |
| S 30 | 17 8 | 5 12 | 3 18 | 17 1 | 3 15 | 20 58 | 2 34 | 9 7 | 5 45 | 5 8 | 1 9 | 20 41 | 1 22 | 20 36 | 0 8 | 16 20 | 0 28 | 9 19 | 17 13 | 7 1 | 6 37 | 1 31 | 16 56 | 2 29 |
| S 31 | 16n52 | 8s43 | 4n 4 | 17n20 | 2s58 | 21n 2 | 2s30 | 9s 8 | 5s47 | 5s11 | 1n 9 | 20s42 | 1n21 | 20n36 | 0s 8 | 16n19 | 0n28 | 9s19 | 17s13 | 7n 1 | 6n38 | 1s33 | 16n56 | 2s29 |

Julian Day Number = 2124475.5, Delta T = 17m28s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'22, Lahiri = 11°22'23 Julian Calendar 1 July 1104 == Greg. Calendar 8 July 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## AUGUST 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 3 27 | 14♌25'22 | 14♏54 | 29°D58 | 29♊43 | 20°R23 | 15♎58 | 9°R50 | 2♊22 | 16♌50 | 16°R39 | 12°R13 | 13♍ 8 | 9♎12 | 26♉ 3 | M 1 |
| T 2 | 21 7 23 | 15°23'11 | 27° 8 | 0♌ 0 | 0♋47 | 20♓21 | 16° 7 | 9♐50 | 2°23 | 16°52 | 16♈38 | 12♍12 | 13° 4 | 9°19 | 26° 5 | T 2 |
| W 3 | 21 11 20 | 16°21'00 | 9♐39 | 0°10 | 1°51 | 20°19 | 16°17 | 9°49 | 2°25 | 16°55 | 16°38 | 12°10 | 13° 1 | 9°26 | 26° 6 | W 3 |
| T 4 | 21 15 17 | 17°18'50 | 22°32 | 0°28 | 2°55 | 20°15 | 16°26 | 9°49 | 2°26 | 16°57 | 16°37 | 12° 7 | 12°58 | 9°32 | 26° 8 | T 4 |
| F 5 | 21 19 13 | 18°16'42 | 5♑49 | 0°54 | 4° 0 | 20°11 | 16°35 | 9°49 | 2°28 | 16°59 | 16°37 | 12° 4 | 12°55 | 9°39 | 26° 9 | F 5 |
| S 6 | 21 23 10 | 19°14'36 | 19°31 | 1°28 | 5° 4 | 20° 7 | 16°45 | 9°48 | 2°29 | 17° 1 | 16°36 | 12° 1 | 12°52 | 9°46 | 26°11 | S 6 |
| S 7 | 21 27 6 | 20°12'30 | 3♒36 | 2° 9 | 6° 9 | 20° 1 | 16°55 | 9°48 | 2°30 | 17° 3 | 16°36 | 11°58 | 12°49 | 9°52 | 26°12 | S 7 |
| M 8 | 21 31 3 | 21°10'27 | 18° 1 | 2°58 | 7°14 | 19°54 | 17° 4 | 9°D48 | 2°32 | 17° 6 | 16°35 | 11°56 | 12°45 | 9°59 | 26°13 | M 8 |
| T 9 | 21 34 59 | 22° 8'24 | 2♓40 | 3°54 | 8°20 | 19°47 | 17°14 | 9°48 | 2°33 | 17° 8 | 16°34 | 11°55 | 12°42 | 10° 6 | 26°14 | T 9 |
| W10 | 21 38 56 | 23° 6'24 | 17°27 | 4°57 | 9°25 | 19°39 | 17°24 | 9°48 | 2°34 | 17°10 | 16°34 | 11°D54 | 12°39 | 10°12 | 26°16 | W10 |
| T 11 | 21 42 52 | 24° 4'25 | 2♈15 | 6° 7 | 10°31 | 19°30 | 17°34 | 9°49 | 2°35 | 17°12 | 16°33 | 11°55 | 12°36 | 10°19 | 26°17 | T 11 |
| F 12 | 21 46 49 | 25° 2'28 | 16°56 | 7°23 | 11°37 | 19°21 | 17°44 | 9°49 | 2°36 | 17°15 | 16°33 | 11°56 | 12°33 | 10°25 | 26°18 | F 12 |
| S 13 | 21 50 46 | 26° 0'33 | 1♉26 | 8°45 | 12°43 | 19°11 | 17°54 | 9°49 | 2°37 | 17°17 | 16°32 | 11°57 | 12°30 | 10°32 | 26°19 | S 13 |
| S 14 | 21 54 42 | 26°58'40 | 15°41 | 10°12 | 13°50 | 19° 0 | 18° 5 | 9°50 | 2°38 | 17°19 | 16°31 | 11°58 | 12°26 | 10°39 | 26°20 | S 14 |
| M15 | 21 58 39 | 27°56'50 | 29°39 | 11°44 | 14°56 | 18°48 | 18°15 | 9°51 | 2°39 | 17°21 | 16°31 | 11°R58 | 12°23 | 10°45 | 26°20 | M15 |
| T 16 | 22 2 35 | 28°55'01 | 13♊19 | 13°20 | 16° 3 | 18°36 | 18°26 | 9°51 | 2°40 | 17°23 | 16°30 | 11°58 | 12°20 | 10°52 | 26°21 | T 16 |
| W17 | 22 6 32 | 29°53'14 | 26°42 | 14°59 | 17°10 | 18°23 | 18°36 | 9°52 | 2°41 | 17°26 | 16°29 | 11°57 | 12°17 | 10°59 | 26°22 | W17 |
| T 18 | 22 10 28 | 0♍51'30 | 9♋48 | 16°43 | 18°18 | 18° 9 | 18°47 | 9°53 | 2°42 | 17°28 | 16°28 | 11°56 | 12°14 | 11° 5 | 26°22 | T 18 |
| F 19 | 22 14 25 | 1°49'48 | 22°39 | 18°28 | 19°25 | 17°55 | 18°58 | 9°54 | 2°43 | 17°30 | 16°28 | 11°54 | 12°10 | 11°12 | 26°23 | F 19 |
| S 20 | 22 18 21 | 2°48'07 | 5♌17 | 20°16 | 20°32 | 17°40 | 19° 8 | 9°55 | 2°43 | 17°32 | 16°27 | 11°53 | 12° 7 | 11°19 | 26°23 | S 20 |
| S 21 | 22 22 18 | 3°46'29 | 17°41 | 22° 6 | 21°40 | 17°25 | 19°19 | 9°56 | 2°44 | 17°34 | 16°26 | 11°52 | 12° 4 | 11°25 | 26°24 | S 21 |
| M22 | 22 26 15 | 4°44'52 | 29°55 | 23°58 | 22°48 | 17°10 | 19°30 | 9°58 | 2°44 | 17°36 | 16°25 | 11°52 | 12° 1 | 11°32 | 26°24 | M22 |
| T 23 | 22 30 11 | 5°43'17 | 11♍59 | 25°50 | 23°56 | 16°54 | 19°41 | 9°59 | 2°45 | 17°39 | 16°25 | 11°D51 | 11°58 | 11°39 | 26°24 | T 23 |
| W24 | 22 34 8 | 6°41'45 | 23°55 | 27°43 | 25° 4 | 16°37 | 19°52 | 10° 1 | 2°45 | 17°41 | 16°24 | 11°51 | 11°55 | 11°45 | 26°25 | W24 |
| T 25 | 22 38 4 | 7°40'14 | 5♎46 | 29°37 | 26°13 | 16°21 | 20° 4 | 10° 2 | 2°46 | 17°43 | 16°23 | 11°52 | 11°51 | 11°52 | 26°25 | T 25 |
| F 26 | 22 42 1 | 8°38'44 | 17°34 | 1♍30 | 27°21 | 16° 4 | 20°15 | 10° 4 | 2°46 | 17°45 | 16°22 | 11°52 | 11°48 | 11°59 | 26°25 | F 26 |
| S 27 | 22 45 57 | 9°37'17 | 29°23 | 3°24 | 28°30 | 15°47 | 20°26 | 10° 6 | 2°47 | 17°47 | 16°21 | 11°53 | 11°45 | 12° 5 | 26°R25 | S 27 |
| S 28 | 22 49 54 | 10°35'51 | 11♏15 | 5°17 | 29°39 | 15°29 | 20°38 | 10° 8 | 2°47 | 17°49 | 16°20 | 11°53 | 11°42 | 12°12 | 26°25 | S 28 |
| M29 | 22 53 50 | 11°34'27 | 23°14 | 7°10 | 0♌48 | 15°12 | 20°49 | 10°10 | 2°47 | 17°51 | 16°19 | 11°R53 | 11°39 | 12°19 | 26°25 | M29 |
| T 30 | 22 57 47 | 12°33'05 | 5♐26 | 9° 3 | 1°57 | 14°55 | 21° 1 | 10°12 | 2°47 | 17°53 | 16°18 | 11°D53 | 11°36 | 12°25 | 26°24 | T 30 |
| W31 | 23 1 43 | 13♍31'45 | 17♐53 | 10♍54 | 3♌ 6 | 14♓37 | 21♎12 | 10♐14 | 2♊47 | 17♌55 | 16♈17 | 11♍53 | 11♍32 | 12♎32 | 26♉24 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n35 | 11s56 | 4n40 | 17n38 | 2s41 | 21n 7 | 2s27 | 9s10 | 5s49 | 5s15 | 1n 9 | 20s42 | 1n21 | 20n36 | 0s 8 | 16n18 | 0n28 | 9s20 | 17s14 | 7n 1 | 6n40 | 1s35 | 16n56 | 2s30 |
| T 2 | 16 18 | 14 41 | 5 4 | 17 54 | 2 24 | 21 10 | 2 23 | 9 12 | 5 51 | 5 19 | 1 9 | 20 42 | 1 21 | 20 37 | 0 8 | 16 18 | 0 28 | 9 20 | 17 14 | 7 1 | 6 41 | 1 37 | 16 56 | 2 30 |
| W 3 | 16 1 | 16 49 | 5 14 | 18 9 | 2 6 | 21 14 | 2 19 | 9 15 | 5 52 | 5 23 | 1 9 | 20 42 | 1 21 | 20 37 | 0 8 | 16 17 | 0 28 | 9 21 | 17 14 | 7 2 | 6 42 | 1 39 | 16 56 | 2 30 |
| T 4 | 15 43 | 18 11 | 5 9 | 18 23 | 1 48 | 21 16 | 2 15 | 9 17 | 5 54 | 5 26 | 1 8 | 20 42 | 1 21 | 20 37 | 0 8 | 16 16 | 0 28 | 9 21 | 17 14 | 7 3 | 6 43 | 1 41 | 16 56 | 2 31 |
| F 5 | 15 25 | 18 38 | 4 48 | 18 34 | 1 31 | 21 19 | 2 11 | 9 20 | 5 55 | 5 30 | 1 8 | 20 42 | 1 20 | 20 38 | 0 8 | 16 16 | 0 28 | 9 22 | 17 15 | 7 4 | 6 44 | 1 43 | 16 56 | 2 31 |
| S 6 | 15 7 | 18 0 | 4 10 | 18 44 | 1 13 | 21 21 | 2 7 | 9 23 | 5 56 | 5 34 | 1 8 | 20 42 | 1 20 | 20 38 | 0 8 | 16 15 | 0 28 | 9 22 | 17 15 | 7 5 | 6 46 | 1 44 | 16 56 | 2 31 |
| S 7 | 14 49 | 16 16 | 3 16 | 18 51 | 0 56 | 21 22 | 2 3 | 9 27 | 5 58 | 5 38 | 1 8 | 20 42 | 1 20 | 20 38 | 0 8 | 16 14 | 0 28 | 9 23 | 17 15 | 7 6 | 6 47 | 1 46 | 16 57 | 2 31 |
| M 8 | 14 31 | 13 28 | 2 8 | 18 56 | 0 40 | 21 23 | 1 59 | 9 30 | 5 59 | 5 42 | 1 8 | 20 43 | 1 20 | 20 38 | 0 8 | 16 14 | 0 28 | 9 23 | 17 16 | 7 7 | 6 48 | 1 48 | 16 57 | 2 32 |
| T 9 | 14 12 | 9 47 | 0 51 | 18 59 | 0 24 | 21 23 | 1 55 | 9 34 | 6 0 | 5 46 | 1 7 | 20 43 | 1 20 | 20 39 | 0 8 | 16 13 | 0 28 | 9 24 | 17 16 | 7 8 | 6 49 | 1 50 | 16 57 | 2 32 |
| W10 | 13 53 | 5 27 | 0s31 | 18 59 | 0 9 | 21 23 | 1 50 | 9 38 | 6 0 | 5 50 | 1 7 | 20 43 | 1 19 | 20 39 | 0 8 | 16 12 | 0 28 | 9 24 | 17 16 | 7 8 | 6 51 | 1 52 | 16 57 | 2 32 |
| T 11 | 13 34 | 0 47 | 1 50 | 18 56 | 0n 6 | 21 22 | 1 46 | 9 42 | 6 1 | 5 54 | 1 7 | 20 43 | 1 19 | 20 39 | 0 8 | 16 12 | 0 28 | 9 25 | 17 16 | 7 7 | 6 52 | 1 54 | 16 57 | 2 32 |
| F 12 | 13 14 | 3n53 | 3 2 | 18 50 | 0 19 | 21 21 | 1 42 | 9 46 | 6 1 | 5 58 | 1 7 | 20 44 | 1 19 | 20 39 | 0 8 | 16 11 | 0 28 | 9 25 | 17 17 | 7 7 | 6 53 | 1 56 | 16 57 | 2 33 |
| S 13 | 12 55 | 8 16 | 4 1 | 18 41 | 0 32 | 21 19 | 1 38 | 9 51 | 6 2 | 6 2 | 1 7 | 20 44 | 1 19 | 20 39 | 0 8 | 16 10 | 0 28 | 9 26 | 17 17 | 7 7 | 6 54 | 1 58 | 16 57 | 2 33 |
| S 14 | 12 35 | 12 5 | 4 44 | 18 29 | 0 44 | 21 16 | 1 34 | 9 55 | 6 2 | 6 6 | 1 7 | 20 44 | 1 19 | 20 40 | 0 8 | 16 10 | 0 28 | 9 26 | 17 17 | 7 6 | 6 55 | 2 0 | 16 56 | 2 33 |
| M15 | 12 15 | 15 8 | 5 10 | 18 14 | 0 55 | 21 14 | 1 30 | 10 0 | 6 2 | 6 10 | 1 6 | 20 44 | 1 18 | 20 40 | 0 8 | 16 9 | 0 28 | 9 27 | 17 18 | 7 6 | 6 57 | 2 1 | 16 56 | 2 33 |
| T 16 | 11 54 | 17 16 | 5 17 | 17 56 | 1 5 | 21 10 | 1 26 | 10 5 | 6 2 | 6 14 | 1 6 | 20 45 | 1 18 | 20 40 | 0 8 | 16 8 | 0 28 | 9 27 | 17 18 | 7 6 | 6 58 | 2 3 | 16 56 | 2 34 |
| W17 | 11 34 | 18 24 | 5 6 | 17 35 | 1 13 | 21 6 | 1 21 | 10 9 | 6 2 | 6 18 | 1 6 | 20 45 | 1 18 | 20 40 | 0 8 | 16 8 | 0 28 | 9 28 | 17 18 | 7 7 | 6 59 | 2 5 | 16 56 | 2 34 |
| T 18 | 11 13 | 18 32 | 4 40 | 17 11 | 1 21 | 21 1 | 1 17 | 10 14 | 6 1 | 6 23 | 1 6 | 20 45 | 1 18 | 20 40 | 0 8 | 16 7 | 0 28 | 9 28 | 17 18 | 7 7 | 7 0 | 2 7 | 16 56 | 2 34 |
| F 19 | 10 52 | 17 41 | 4 0 | 16 45 | 1 28 | 20 56 | 1 13 | 10 19 | 6 1 | 6 27 | 1 6 | 20 46 | 1 18 | 20 40 | 0 8 | 16 6 | 0 28 | 9 29 | 17 19 | 7 8 | 7 2 | 2 9 | 16 56 | 2 35 |
| S 20 | 10 31 | 15 59 | 3 9 | 16 16 | 1 33 | 20 50 | 1 9 | 10 25 | 6 0 | 6 31 | 1 6 | 20 46 | 1 17 | 20 41 | 0 8 | 16 6 | 0 28 | 9 29 | 17 19 | 7 8 | 7 3 | 2 11 | 16 56 | 2 35 |
| S 21 | 10 10 | 13 32 | 2 10 | 15 45 | 1 38 | 20 44 | 1 5 | 10 30 | 5 59 | 6 35 | 1 5 | 20 46 | 1 17 | 20 41 | 0 8 | 16 5 | 0 28 | 9 30 | 17 19 | 7 9 | 7 4 | 2 13 | 16 56 | 2 35 |
| M22 | 9 49 | 10 32 | 1 6 | 15 12 | 1 42 | 20 37 | 1 1 | 10 35 | 5 58 | 6 40 | 1 5 | 20 47 | 1 17 | 20 41 | 0 8 | 16 4 | 0 28 | 9 30 | 17 19 | 7 9 | 7 5 | 2 15 | 16 55 | 2 35 |
| T 23 | 9 27 | 7 7 | 0n 1 | 14 37 | 1 45 | 20 30 | 0 56 | 10 40 | 5 57 | 6 44 | 1 5 | 20 47 | 1 17 | 20 41 | 0 8 | 16 4 | 0 28 | 9 31 | 17 20 | 7 9 | 7 6 | 2 17 | 16 55 | 2 36 |
| W24 | 9 6 | 3 27 | 1 7 | 14 0 | 1 47 | 20 22 | 0 52 | 10 45 | 5 55 | 6 48 | 1 5 | 20 48 | 1 17 | 20 41 | 0 8 | 16 3 | 0 28 | 9 31 | 17 20 | 7 9 | 7 8 | 2 19 | 16 55 | 2 36 |
| T 25 | 8 44 | 0s20 | 2 9 | 13 21 | 1 48 | 20 13 | 0 48 | 10 50 | 5 54 | 6 53 | 1 5 | 20 48 | 1 16 | 20 41 | 0 8 | 16 3 | 0 28 | 9 32 | 17 20 | 7 9 | 7 9 | 2 20 | 16 55 | 2 36 |
| F 26 | 8 22 | 4 4 | 3 6 | 12 41 | 1 49 | 20 4 | 0 44 | 10 55 | 5 52 | 6 57 | 1 5 | 20 49 | 1 16 | 20 41 | 0 8 | 16 2 | 0 28 | 9 32 | 17 20 | 7 9 | 7 10 | 2 22 | 16 55 | 2 36 |
| S 27 | 8 0 | 7 39 | 3 55 | 12 0 | 1 49 | 19 54 | 0 40 | 11 0 | 5 50 | 7 2 | 1 4 | 20 49 | 1 16 | 20 41 | 0 8 | 16 1 | 0 28 | 9 33 | 17 20 | 7 8 | 7 11 | 2 24 | 16 54 | 2 37 |
| S 28 | 7 38 | 10 56 | 4 34 | 11 17 | 1 48 | 19 44 | 0 36 | 11 5 | 5 48 | 7 6 | 1 4 | 20 49 | 1 16 | 20 41 | 0 8 | 16 1 | 0 28 | 9 33 | 17 21 | 7 8 | 7 13 | 2 26 | 16 54 | 2 37 |
| M29 | 7 15 | 13 48 | 5 1 | 10 34 | 1 46 | 19 33 | 0 32 | 11 10 | 5 45 | 7 10 | 1 4 | 20 50 | 1 16 | 20 41 | 0 8 | 16 0 | 0 28 | 9 34 | 17 21 | 7 8 | 7 14 | 2 28 | 16 54 | 2 37 |
| T 30 | 6 53 | 16 8 | 5 16 | 9 50 | 1 44 | 19 22 | 0 28 | 11 14 | 5 43 | 7 15 | 1 4 | 20 50 | 1 15 | 20 41 | 0 8 | 15 59 | 0 28 | 9 34 | 17 21 | 7 8 | 7 15 | 2 30 | 16 53 | 2 38 |
| W31 | 6n30 | 17s45 | 5n16 | 9n 5 | 1n42 | 19n10 | 0s24 | 11s18 | 5s40 | 7s19 | 1n 4 | 20s51 | 1n15 | 20n41 | 0s 8 | 15n59 | 0n28 | 9s35 | 17s21 | 7n 8 | 7n16 | 2s32 | 16n53 | 2s38 |

Julian Day Number = 2124506.5, Delta T = 17m28s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'27, Lahiri = 11°22'27 Julian Calendar 1 Aug. 1104 == Greg. Calendar 8 Aug. 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## SEPTEMBER 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 5 40 | 14♍30'26 | 0♋42 | 12♍45 | 4♌16 | 14°R20 | 21♎24 | 10♐16 | 2♊47 | 17♌57 | 16°R17 | 11♍53 | 11♍29 | 12♎39 | 26°R24 | T 1 |
| F 2 | 23 9 37 | 15°29'10 | 13°54 | 14°36 | 5°25 | 14♓ 2 | 21°36 | 10°18 | 2°R47 | 17°59 | 16♈16 | 11°53 | 11°26 | 12°45 | 26♉23 | F 2 |
| S 3 | 23 13 33 | 16°27'55 | 27°32 | 16°25 | 6°35 | 13°45 | 21°47 | 10°21 | 2°47 | 18° 1 | 16°15 | 11°54 | 11°23 | 12°52 | 26°23 | S 3 |
| S 4 | 23 17 30 | 17°26'41 | 11♒38 | 18°14 | 7°45 | 13°28 | 21°59 | 10°23 | 2°47 | 18° 3 | 16°14 | 11°54 | 11°20 | 12°59 | 26°22 | S 4 |
| M 5 | 23 21 26 | 18°25'30 | 26° 8 | 20° 1 | 8°55 | 13°12 | 22°11 | 10°26 | 2°47 | 18° 5 | 16°13 | 11°54 | 11°16 | 13° 5 | 26°22 | M 5 |
| T 6 | 23 25 23 | 19°24'20 | 10♓59 | 21°48 | 10° 5 | 12°55 | 22°23 | 10°29 | 2°47 | 18° 7 | 16°12 | 11°R55 | 11°13 | 13°12 | 26°21 | T 6 |
| W 7 | 23 29 19 | 20°23'12 | 26° 3 | 23°34 | 11°15 | 12°39 | 22°35 | 10°32 | 2°47 | 18° 9 | 16°11 | 11°54 | 11°10 | 13°19 | 26°20 | W 7 |
| T 8 | 23 33 16 | 21°22'07 | 11♈11 | 25°19 | 12°25 | 12°23 | 22°47 | 10°34 | 2°46 | 18°11 | 16°10 | 11°54 | 11° 7 | 13°25 | 26°20 | T 8 |
| F 9 | 23 37 12 | 22°21'03 | 26°15 | 27° 3 | 13°36 | 12° 8 | 22°59 | 10°37 | 2°46 | 18°13 | 16° 9 | 11°53 | 11° 4 | 13°32 | 26°19 | F 9 |
| S 10 | 23 41 9 | 23°20'02 | 11♉ 6 | 28°46 | 14°46 | 11°53 | 23°12 | 10°40 | 2°46 | 18°15 | 16° 8 | 11°51 | 11° 1 | 13°39 | 26°18 | S 10 |
| S 11 | 23 45 6 | 24°19'04 | 25°37 | 0♎28 | 15°57 | 11°38 | 23°24 | 10°44 | 2°45 | 18°17 | 16° 7 | 11°50 | 10°57 | 13°45 | 26°17 | S 11 |
| M12 | 23 49 2 | 25°18'07 | 9♊45 | 2° 9 | 17° 8 | 11°24 | 23°36 | 10°47 | 2°45 | 18°19 | 16° 5 | 11°49 | 10°54 | 13°52 | 26°16 | M12 |
| T 13 | 23 52 59 | 26°17'13 | 23°28 | 3°50 | 18°19 | 11°11 | 23°48 | 10°50 | 2°44 | 18°21 | 16° 4 | 11°D49 | 10°51 | 13°59 | 26°15 | T 13 |
| W14 | 23 56 55 | 27°16'22 | 6♋46 | 5°30 | 19°30 | 10°58 | 24° 1 | 10°54 | 2°43 | 18°23 | 16° 3 | 11°49 | 10°48 | 14° 5 | 26°13 | W14 |
| T 15 | 0 0 52 | 28°15'33 | 19°43 | 7° 8 | 20°41 | 10°46 | 24°13 | 10°57 | 2°43 | 18°24 | 16° 2 | 11°50 | 10°45 | 14°12 | 26°12 | T 15 |
| F 16 | 0 4 48 | 29°14'46 | 2♌21 | 8°46 | 21°53 | 10°34 | 24°26 | 11° 1 | 2°42 | 18°26 | 16° 1 | 11°51 | 10°41 | 14°19 | 26°11 | F 16 |
| S 17 | 0 8 45 | 0♎14'01 | 14°43 | 10°24 | 23° 4 | 10°23 | 24°38 | 11° 4 | 2°41 | 18°28 | 16° 0 | 11°52 | 10°38 | 14°25 | 26°10 | S 17 |
| S 18 | 0 12 41 | 1°13'19 | 26°53 | 12° 0 | 24°16 | 10°13 | 24°51 | 11° 8 | 2°40 | 18°30 | 15°59 | 11°54 | 10°35 | 14°32 | 26° 8 | S 18 |
| M19 | 0 16 38 | 2°12'39 | 8♍54 | 13°36 | 25°27 | 10° 3 | 25° 3 | 11°12 | 2°40 | 18°31 | 15°58 | 11°R54 | 10°32 | 14°39 | 26° 7 | M19 |
| T 20 | 0 20 35 | 3°12'01 | 20°49 | 15°11 | 26°39 | 9°54 | 25°16 | 11°16 | 2°39 | 18°33 | 15°57 | 11°54 | 10°29 | 14°45 | 26° 5 | T 20 |
| W21 | 0 24 31 | 4°11'25 | 2♎39 | 16°45 | 27°51 | 9°46 | 25°29 | 11°20 | 2°38 | 18°35 | 15°56 | 11°53 | 10°26 | 14°52 | 26° 3 | W21 |
| T 22 | 0 28 28 | 5°10'51 | 14°28 | 18°18 | 29° 3 | 9°39 | 25°41 | 11°24 | 2°37 | 18°36 | 15°55 | 11°50 | 10°22 | 14°59 | 26° 2 | T 22 |
| F 23 | 0 32 24 | 6°10'20 | 26°17 | 19°51 | 0♍15 | 9°32 | 25°54 | 11°28 | 2°36 | 18°38 | 15°53 | 11°47 | 10°19 | 15° 5 | 26° 0 | F 23 |
| S 24 | 0 36 21 | 7° 9'50 | 8♏ 8 | 21°23 | 1°27 | 9°26 | 26° 7 | 11°32 | 2°35 | 18°40 | 15°52 | 11°42 | 10°16 | 15°12 | 25°58 | S 24 |
| S 25 | 0 40 17 | 8° 9'22 | 20° 3 | 22°55 | 2°39 | 9°21 | 26°20 | 11°36 | 2°33 | 18°41 | 15°51 | 11°38 | 10°13 | 15°19 | 25°56 | S 25 |
| M26 | 0 44 14 | 9° 8'57 | 2♐ 5 | 24°25 | 3°51 | 9°17 | 26°33 | 11°41 | 2°32 | 18°43 | 15°50 | 11°33 | 10°10 | 15°25 | 25°54 | M26 |
| T 27 | 0 48 10 | 10° 8'33 | 14°18 | 25°55 | 5° 4 | 9°14 | 26°46 | 11°45 | 2°31 | 18°44 | 15°49 | 11°30 | 10° 7 | 15°32 | 25°52 | T 27 |
| W28 | 0 52 7 | 11° 8'11 | 26°44 | 27°25 | 6°16 | 9°11 | 26°58 | 11°50 | 2°30 | 18°46 | 15°48 | 11°27 | 10° 3 | 15°39 | 25°50 | W28 |
| T 29 | 0 56 3 | 12° 7'51 | 9♑27 | 28°53 | 7°29 | 9° 9 | 27°11 | 11°54 | 2°28 | 18°47 | 15°47 | 11°D26 | 10° 0 | 15°45 | 25°48 | T 29 |
| F 30 | 1 0 0 | 13♎ 7'32 | 22♑31 | 0♏21 | 8♍41 | 9♓ 8 | 27♎24 | 11♐59 | 2♊27 | 18♌49 | 15♈46 | 11♍27 | 9♍57 | 15♎52 | 25♉46 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n 8 | 18s32 | 5n 1 | 8n19 | 1n39 | 18n58 | 0s20 | 11s23 | 5s38 | 7s24 | 1n 4 | 20s51 | 1n15 | 20n41 | 0s 8 | 15n58 | 0n28 | 9s35 | 17s21 | 7n 8 | 7n17 | 2s34 | 16n53 | 2s38 |
| F 2 | 5 45 | 18 21 | 4 30 | 7 34 | 1 35 | 18 45 | 0 16 | 11 27 | 5 35 | 7 28 | 1 4 | 20 52 | 1 15 | 20 41 | 0 8 | 15 58 | 0 28 | 9 36 | 17 22 | 7 8 | 7 19 | 2 36 | 16 52 | 2 38 |
| S 3 | 5 22 | 17 7 | 3 43 | 6 47 | 1 32 | 18 31 | 0 12 | 11 31 | 5 31 | 7 33 | 1 3 | 20 52 | 1 15 | 20 41 | 0 8 | 15 57 | 0 28 | 9 36 | 17 22 | 7 8 | 7 20 | 2 38 | 16 52 | 2 39 |
| S 4 | 4 59 | 14 48 | 2 41 | 6 1 | 1 27 | 18 17 | 0 9 | 11 34 | 5 28 | 7 38 | 1 3 | 20 53 | 1 14 | 20 41 | 0 8 | 15 56 | 0 28 | 9 37 | 17 22 | 7 8 | 7 21 | 2 40 | 16 52 | 2 39 |
| M 5 | 4 36 | 11 31 | 1 27 | 5 14 | 1 23 | 18 2 | 0 5 | 11 38 | 5 25 | 7 42 | 1 3 | 20 54 | 1 14 | 20 41 | 0 8 | 15 56 | 0 28 | 9 37 | 17 22 | 7 8 | 7 22 | 2 41 | 16 51 | 2 39 |
| T 6 | 4 13 | 7 24 | 0 5 | 4 27 | 1 18 | 17 47 | 0 1 | 11 41 | 5 21 | 7 47 | 1 3 | 20 54 | 1 14 | 20 41 | 0 8 | 15 55 | 0 28 | 9 38 | 17 22 | 7 8 | 7 23 | 2 43 | 16 51 | 2 39 |
| W 7 | 3 50 | 2 46 | 1s18 | 3 41 | 1 13 | 17 32 | 0n 3 | 11 44 | 5 18 | 7 51 | 1 3 | 20 55 | 1 14 | 20 41 | 0 8 | 15 55 | 0 28 | 9 38 | 17 22 | 7 8 | 7 25 | 2 45 | 16 50 | 2 40 |
| T 8 | 3 26 | 2n 4 | 2 36 | 2 54 | 1 7 | 17 15 | 0 6 | 11 46 | 5 14 | 7 56 | 1 3 | 20 55 | 1 14 | 20 41 | 0 8 | 15 54 | 0 28 | 9 39 | 17 23 | 7 8 | 7 26 | 2 47 | 16 50 | 2 40 |
| F 9 | 3 3 | 6 44 | 3 42 | 2 7 | 1 1 | 16 59 | 0 10 | 11 49 | 5 10 | 8 1 | 1 3 | 20 56 | 1 14 | 20 41 | 0 8 | 15 53 | 0 28 | 9 39 | 17 23 | 7 8 | 7 27 | 2 49 | 16 49 | 2 40 |
| S 10 | 2 40 | 10 55 | 4 33 | 1 21 | 0 56 | 16 42 | 0 13 | 11 51 | 5 6 | 8 5 | 1 3 | 20 57 | 1 13 | 20 41 | 0 8 | 15 53 | 0 28 | 9 40 | 17 23 | 7 9 | 7 28 | 2 51 | 16 49 | 2 41 |
| S 11 | 2 16 | 14 20 | 5 4 | 0 34 | 0 50 | 16 24 | 0 17 | 11 53 | 5 2 | 8 10 | 1 2 | 20 57 | 1 13 | 20 41 | 0 8 | 15 52 | 0 28 | 9 40 | 17 23 | 7 9 | 7 30 | 2 53 | 16 48 | 2 41 |
| M12 | 1 53 | 16 48 | 5 17 | 0s12 | 0 43 | 16 6 | 0 20 | 11 54 | 4 58 | 8 14 | 1 2 | 20 58 | 1 13 | 20 41 | 0 8 | 15 52 | 0 28 | 9 41 | 17 23 | 7 10 | 7 31 | 2 55 | 16 48 | 2 41 |
| T 13 | 1 29 | 18 13 | 5 10 | 0 58 | 0 37 | 15 47 | 0 24 | 11 55 | 4 54 | 8 19 | 1 2 | 20 58 | 1 13 | 20 41 | 0 8 | 15 51 | 0 28 | 9 41 | 17 23 | 7 10 | 7 32 | 2 57 | 16 47 | 2 41 |
| W14 | 1 5 | 18 36 | 4 48 | 1 44 | 0 30 | 15 28 | 0 27 | 11 56 | 4 49 | 8 24 | 1 2 | 20 59 | 1 13 | 20 41 | 0 8 | 15 51 | 0 28 | 9 42 | 17 23 | 7 10 | 7 33 | 2 59 | 16 47 | 2 42 |
| T 15 | 0 42 | 17 58 | 4 10 | 2 29 | 0 24 | 15 9 | 0 30 | 11 57 | 4 45 | 8 29 | 1 2 | 21 0 | 1 12 | 20 41 | 0 8 | 15 50 | 0 29 | 9 42 | 17 23 | 7 10 | 7 34 | 3 0 | 16 46 | 2 42 |
| F 16 | 0 18 | 16 27 | 3 22 | 3 14 | 0 17 | 14 49 | 0 34 | 11 57 | 4 40 | 8 33 | 1 2 | 21 0 | 1 12 | 20 40 | 0 8 | 15 50 | 0 29 | 9 43 | 17 24 | 7 9 | 7 36 | 3 2 | 16 46 | 2 42 |
| S 17 | 0s 6 | 14 11 | 2 25 | 3 59 | 0 10 | 14 28 | 0 37 | 11 57 | 4 36 | 8 38 | 1 2 | 21 1 | 1 12 | 20 40 | 0 8 | 15 49 | 0 29 | 9 43 | 17 24 | 7 8 | 7 37 | 3 4 | 16 45 | 2 42 |
| S 18 | 0 29 | 11 19 | 1 22 | 4 43 | 0 3 | 14 7 | 0 40 | 11 57 | 4 31 | 8 43 | 1 2 | 21 2 | 1 12 | 20 40 | 0 8 | 15 49 | 0 29 | 9 44 | 17 24 | 7 8 | 7 38 | 3 6 | 16 45 | 2 43 |
| M19 | 0 53 | 8 1 | 0 17 | 5 27 | 0s 4 | 13 46 | 0 43 | 11 56 | 4 27 | 8 47 | 1 2 | 21 3 | 1 12 | 20 40 | 0 8 | 15 48 | 0 29 | 9 44 | 17 24 | 7 8 | 7 39 | 3 8 | 16 44 | 2 43 |
| T 20 | 1 17 | 4 24 | 0n49 | 6 10 | 0 11 | 13 24 | 0 46 | 11 56 | 4 22 | 8 52 | 1 1 | 21 3 | 1 12 | 20 40 | 0 8 | 15 47 | 0 29 | 9 45 | 17 24 | 7 8 | 7 40 | 3 10 | 16 43 | 2 43 |
| W21 | 1 40 | 0 39 | 1 52 | 6 53 | 0 17 | 13 2 | 0 49 | 11 54 | 4 17 | 8 57 | 1 1 | 21 4 | 1 11 | 20 40 | 0 8 | 15 47 | 0 29 | 9 45 | 17 24 | 7 8 | 7 42 | 3 12 | 16 43 | 2 43 |
| T 22 | 2 4 | 3s 7 | 2 50 | 7 35 | 0 24 | 12 40 | 0 52 | 11 53 | 4 12 | 9 2 | 1 1 | 21 5 | 1 11 | 20 39 | 0 8 | 15 46 | 0 29 | 9 46 | 17 24 | 7 9 | 7 43 | 3 14 | 16 42 | 2 44 |
| F 23 | 2 28 | 6 46 | 3 40 | 8 17 | 0 31 | 12 17 | 0 54 | 11 51 | 4 8 | 9 6 | 1 1 | 21 5 | 1 11 | 20 39 | 0 8 | 15 46 | 0 29 | 9 46 | 17 24 | 7 11 | 7 44 | 3 16 | 16 41 | 2 44 |
| S 24 | 2 51 | 10 9 | 4 22 | 8 58 | 0 38 | 11 54 | 0 57 | 11 49 | 4 3 | 9 11 | 1 1 | 21 6 | 1 11 | 20 39 | 0 8 | 15 45 | 0 29 | 9 47 | 17 24 | 7 12 | 7 45 | 3 18 | 16 41 | 2 44 |
| S 25 | 3 15 | 13 9 | 4 52 | 9 39 | 0 45 | 11 30 | 1 0 | 11 46 | 3 58 | 9 16 | 1 1 | 21 7 | 1 11 | 20 39 | 0 8 | 15 45 | 0 29 | 9 47 | 17 24 | 7 14 | 7 46 | 3 19 | 16 40 | 2 44 |
| M26 | 3 39 | 15 38 | 5 9 | 10 19 | 0 52 | 11 6 | 1 2 | 11 43 | 3 53 | 9 20 | 1 1 | 21 8 | 1 11 | 20 39 | 0 8 | 15 45 | 0 29 | 9 48 | 17 24 | 7 16 | 7 48 | 3 21 | 16 39 | 2 45 |
| T 27 | 4 2 | 17 26 | 5 13 | 10 59 | 0 59 | 10 42 | 1 5 | 11 40 | 3 49 | 9 25 | 1 1 | 21 8 | 1 10 | 20 38 | 0 8 | 15 44 | 0 29 | 9 48 | 17 24 | 7 17 | 7 49 | 3 23 | 16 39 | 2 45 |
| W28 | 4 26 | 18 28 | 5 2 | 11 38 | 1 6 | 10 17 | 1 7 | 11 37 | 3 44 | 9 30 | 1 1 | 21 9 | 1 10 | 20 38 | 0 8 | 15 44 | 0 29 | 9 49 | 17 24 | 7 18 | 7 50 | 3 25 | 16 38 | 2 45 |
| T 29 | 4 49 | 18 37 | 4 37 | 12 16 | 1 13 | 9 53 | 1 9 | 11 33 | 3 39 | 9 35 | 1 1 | 21 10 | 1 10 | 20 38 | 0 8 | 15 43 | 0 29 | 9 49 | 17 24 | 7 18 | 7 51 | 3 27 | 16 37 | 2 45 |
| F 30 | 5s12 | 17s46 | 3n57 | 12s53 | 1s19 | 9n27 | 1n12 | 11s29 | 3s34 | 9s39 | 1n 1 | 21s11 | 1n10 | 20n38 | 0s 8 | 15n43 | 0n29 | 9s49 | 17s24 | 7n18 | 7n52 | 3s29 | 16n37 | 2s46 |

Julian Day Number = 2124537.5, Delta T = 17m27s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'31, Lahiri = 11°22'31 Julian Calendar 1 Sept. 1104 == Greg. Calendar 8 Sept. 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## OCTOBER 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 3 57 | 14♎ 7'16 | 5♒59 | 1♏49 | 9♍54 | 9°D 8 | 27♎37 | 12♐ 4 | 2°R26 | 18♌50 | 15°R44 | 11♍28 | 9♍54 | 15♎59 | 25°R44 | S 1 |
| S 2 | 1 7 53 | 15° 7'01 | 19°54 | 3°15 | 11° 7 | 9♓ 9 | 27°50 | 12° 8 | 2♊24 | 18°52 | 15♈43 | 11°29 | 9°51 | 16° 5 | 25♉41 | S 2 |
| M 3 | 1 11 50 | 16° 6'47 | 4♓15 | 4°41 | 12°20 | 9°10 | 28° 3 | 12°13 | 2°23 | 18°53 | 15°42 | 11°R31 | 9°47 | 16°12 | 25°39 | M 3 |
| T 4 | 1 15 46 | 17° 6'36 | 19° 1 | 6° 6 | 13°33 | 9°12 | 28°16 | 12°18 | 2°21 | 18°55 | 15°41 | 11°31 | 9°44 | 16°19 | 25°37 | T 4 |
| W 5 | 1 19 43 | 18° 6'26 | 4♈ 6 | 7°30 | 14°46 | 9°15 | 28°30 | 12°23 | 2°20 | 18°56 | 15°40 | 11°29 | 9°41 | 16°25 | 25°34 | W 5 |
| T 6 | 1 23 39 | 19° 6'18 | 19°21 | 8°54 | 15°59 | 9°19 | 28°43 | 12°28 | 2°18 | 18°57 | 15°39 | 11°25 | 9°38 | 16°32 | 25°32 | T 6 |
| F 7 | 1 27 36 | 20° 6'12 | 4♉38 | 10°16 | 17°12 | 9°24 | 28°56 | 12°33 | 2°16 | 18°59 | 15°37 | 11°20 | 9°35 | 16°39 | 25°29 | F 7 |
| S 8 | 1 31 32 | 21° 6'09 | 19°45 | 11°38 | 18°25 | 9°29 | 29° 9 | 12°39 | 2°15 | 19° 0 | 15°36 | 11°14 | 9°32 | 16°46 | 25°27 | S 8 |
| S 9 | 1 35 29 | 22° 6'07 | 4♊32 | 12°58 | 19°39 | 9°35 | 29°22 | 12°44 | 2°13 | 19° 1 | 15°35 | 11° 8 | 9°28 | 16°52 | 25°24 | S 9 |
| M10 | 1 39 26 | 23° 6'08 | 18°53 | 14°18 | 20°52 | 9°42 | 29°35 | 12°49 | 2°11 | 19° 2 | 15°34 | 11° 3 | 9°25 | 16°59 | 25°22 | M10 |
| T 11 | 1 43 22 | 24° 6'11 | 2♋46 | 15°36 | 22° 6 | 9°49 | 29°48 | 12°55 | 2° 9 | 19° 3 | 15°33 | 10°59 | 9°22 | 17° 6 | 25°19 | T 11 |
| W12 | 1 47 19 | 25° 6'16 | 16° 9 | 16°53 | 23°19 | 9°57 | 0♏ 2 | 13° 0 | 2° 7 | 19° 5 | 15°32 | 10°57 | 9°19 | 17°12 | 25°16 | W12 |
| T 13 | 1 51 15 | 26° 6'23 | 29° 5 | 18° 9 | 24°33 | 10° 6 | 0°15 | 13° 5 | 2° 5 | 19° 6 | 15°31 | 10°D56 | 9°16 | 17°19 | 25°13 | T 13 |
| F 14 | 1 55 12 | 27° 6'32 | 11♌39 | 19°23 | 25°46 | 10°16 | 0°28 | 13°11 | 2° 4 | 19° 7 | 15°30 | 10°57 | 9°12 | 17°26 | 25°11 | F 14 |
| S 15 | 1 59 8 | 28° 6'44 | 23°55 | 20°36 | 27° 0 | 10°26 | 0°41 | 13°17 | 2° 2 | 19° 8 | 15°28 | 10°59 | 9° 9 | 17°32 | 25° 8 | S 15 |
| S 16 | 2 3 5 | 29° 6'57 | 5♍58 | 21°46 | 28°14 | 10°37 | 0°54 | 13°22 | 2° 0 | 19° 9 | 15°27 | 11°R 0 | 9° 6 | 17°39 | 25° 5 | S 16 |
| M17 | 2 7 1 | 0♏ 7'13 | 17°51 | 22°55 | 29°28 | 10°49 | 1° 8 | 13°28 | 1°58 | 19°10 | 15°26 | 11° 0 | 9° 3 | 17°46 | 25° 2 | M17 |
| T 18 | 2 10 58 | 1° 7'30 | 29°40 | 24° 1 | 0♎42 | 11° 1 | 1°21 | 13°34 | 1°55 | 19°11 | 15°25 | 10°57 | 9° 0 | 17°52 | 24°59 | T 18 |
| W19 | 2 14 55 | 2° 7'49 | 11♎28 | 25° 5 | 1°56 | 11°14 | 1°34 | 13°40 | 1°53 | 19°12 | 15°24 | 10°53 | 8°57 | 17°59 | 24°56 | W19 |
| T 20 | 2 18 51 | 3° 8'11 | 23°17 | 26° 5 | 3°10 | 11°27 | 1°47 | 13°45 | 1°51 | 19°13 | 15°23 | 10°46 | 8°53 | 18° 6 | 24°53 | T 20 |
| F 21 | 2 22 48 | 4° 8'34 | 5♏ 9 | 27° 3 | 4°24 | 11°41 | 2° 1 | 13°51 | 1°49 | 19°13 | 15°22 | 10°37 | 8°50 | 18°12 | 24°50 | F 21 |
| S 22 | 2 26 44 | 5° 8'59 | 17° 7 | 27°57 | 5°38 | 11°56 | 2°14 | 13°57 | 1°47 | 19°14 | 15°21 | 10°26 | 8°47 | 18°19 | 24°47 | S 22 |
| S 23 | 2 30 41 | 6° 9'25 | 29°10 | 28°46 | 6°52 | 12°11 | 2°27 | 14° 3 | 1°45 | 19°15 | 15°20 | 10°15 | 8°44 | 18°26 | 24°43 | S 23 |
| M24 | 2 34 37 | 7° 9'53 | 11♐22 | 29°31 | 8° 6 | 12°27 | 2°40 | 14°10 | 1°42 | 19°16 | 15°19 | 10° 4 | 8°41 | 18°32 | 24°40 | M24 |
| T 25 | 2 38 34 | 8°10'23 | 23°42 | 0♐11 | 9°21 | 12°44 | 2°53 | 14°16 | 1°40 | 19°17 | 15°18 | 9°55 | 8°38 | 18°39 | 24°37 | T 25 |
| W26 | 2 42 30 | 9°10'54 | 6♑13 | 0°45 | 10°35 | 13° 1 | 3° 7 | 14°22 | 1°38 | 19°17 | 15°17 | 9°48 | 8°34 | 18°46 | 24°34 | W26 |
| T 27 | 2 46 27 | 10°11'26 | 18°58 | 1°12 | 11°49 | 13°18 | 3°20 | 14°28 | 1°36 | 19°18 | 15°16 | 9°43 | 8°31 | 18°52 | 24°31 | T 27 |
| F 28 | 2 50 24 | 11°12'00 | 1♒59 | 1°33 | 13° 4 | 13°36 | 3°33 | 14°34 | 1°33 | 19°19 | 15°15 | 9°41 | 8°28 | 18°59 | 24°27 | F 28 |
| S 29 | 2 54 20 | 12°12'35 | 15°19 | 1°45 | 14°18 | 13°55 | 3°46 | 14°41 | 1°31 | 19°19 | 15°14 | 9°D40 | 8°25 | 19° 6 | 24°24 | S 29 |
| S 30 | 2 58 17 | 13°13'12 | 29° 0 | 1°R48 | 15°33 | 14°14 | 3°59 | 14°47 | 1°29 | 19°20 | 15°13 | 9°41 | 8°22 | 19°12 | 24°21 | S 30 |
| M31 | 3 2 13 | 14♏13'49 | 13♓ 6 | 1♐42 | 16♎47 | 14♓34 | 4♏13 | 14♐53 | 1♊26 | 19♌20 | 15♈12 | 9°R41 | 8♍18 | 19♎19 | 24♉18 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s36 | 15s55 | 3n 2 | 13s30 | 1s26 | 9n 2 | 1n14 | 11s25 | 3s30 | 9s44 | 1n 0 | 21s12 | 1n10 | 20n37 | 0s 8 | 15n42 | 0n29 | 9s50 | 17s24 | 7n18 | 7n54 | 3s31 | 16n36 | 2s46 |
| S 2 | 5 59 | 13 5 | 1 55 | 14 6 | 1 32 | 8 36 | 1 16 | 11 20 | 3 25 | 9 49 | 1 0 | 21 12 | 1 10 | 20 37 | 0 8 | 15 42 | 0 29 | 9 50 | 17 24 | 7 17 | 7 55 | 3 33 | 16 35 | 2 46 |
| M 3 | 6 22 | 9 23 | 0 40 | 14 41 | 1 38 | 8 10 | 1 18 | 11 16 | 3 20 | 9 54 | 1 0 | 21 13 | 1 9 | 20 37 | 0 8 | 15 41 | 0 29 | 9 51 | 17 24 | 7 17 | 7 56 | 3 35 | 16 34 | 2 46 |
| T 4 | 6 45 | 5 0 | 0s41 | 15 16 | 1 44 | 7 44 | 1 20 | 11 11 | 3 16 | 9 58 | 1 0 | 21 14 | 1 9 | 20 36 | 0 8 | 15 41 | 0 29 | 9 51 | 17 24 | 7 17 | 7 57 | 3 37 | 16 33 | 2 47 |
| W 5 | 7 8 | 0 12 | 2 0 | 15 49 | 1 50 | 7 17 | 1 22 | 11 5 | 3 11 | 10 3 | 1 0 | 21 15 | 1 9 | 20 36 | 0 8 | 15 41 | 0 29 | 9 52 | 17 24 | 7 18 | 7 58 | 3 39 | 16 33 | 2 47 |
| T 6 | 7 31 | 4n39 | 3 12 | 16 22 | 1 56 | 6 50 | 1 24 | 11 0 | 3 7 | 10 8 | 1 0 | 21 16 | 1 9 | 20 36 | 0 8 | 15 40 | 0 29 | 9 52 | 17 24 | 7 19 | 8 0 | 3 40 | 16 32 | 2 47 |
| F 7 | 7 54 | 9 13 | 4 9 | 16 54 | 2 2 | 6 23 | 1 25 | 10 54 | 3 2 | 10 13 | 1 0 | 21 16 | 1 9 | 20 35 | 0 8 | 15 40 | 0 29 | 9 52 | 17 24 | 7 21 | 8 1 | 3 42 | 16 31 | 2 47 |
| S 8 | 8 16 | 13 7 | 4 49 | 17 25 | 2 7 | 5 56 | 1 27 | 10 48 | 2 58 | 10 17 | 1 0 | 21 17 | 1 9 | 20 35 | 0 8 | 15 40 | 0 29 | 9 53 | 17 24 | 7 23 | 8 2 | 3 44 | 16 30 | 2 47 |
| S 9 | 8 39 | 16 6 | 5 8 | 17 54 | 2 12 | 5 28 | 1 28 | 10 41 | 2 53 | 10 22 | 1 0 | 21 18 | 1 9 | 20 35 | 0 8 | 15 39 | 0 29 | 9 53 | 17 24 | 7 25 | 8 3 | 3 46 | 16 29 | 2 48 |
| M10 | 9 1 | 17 59 | 5 7 | 18 23 | 2 17 | 5 1 | 1 30 | 10 35 | 2 49 | 10 27 | 1 0 | 21 19 | 1 8 | 20 34 | 0 8 | 15 39 | 0 29 | 9 53 | 17 24 | 7 27 | 8 4 | 3 48 | 16 29 | 2 48 |
| T 11 | 9 24 | 18 43 | 4 48 | 18 51 | 2 22 | 4 33 | 1 31 | 10 28 | 2 45 | 10 31 | 1 0 | 21 20 | 1 8 | 20 34 | 0 8 | 15 38 | 0 29 | 9 54 | 17 24 | 7 29 | 8 6 | 3 50 | 16 28 | 2 48 |
| W12 | 9 46 | 18 22 | 4 14 | 19 18 | 2 26 | 4 5 | 1 33 | 10 21 | 2 41 | 10 36 | 1 0 | 21 20 | 1 8 | 20 34 | 0 8 | 15 38 | 0 29 | 9 54 | 17 24 | 7 30 | 8 7 | 3 52 | 16 27 | 2 48 |
| T 13 | 10 8 | 17 3 | 3 27 | 19 43 | 2 30 | 3 37 | 1 34 | 10 14 | 2 36 | 10 41 | 1 0 | 21 21 | 1 8 | 20 33 | 0 8 | 15 38 | 0 29 | 9 55 | 17 24 | 7 30 | 8 8 | 3 54 | 16 26 | 2 48 |
| F 14 | 10 29 | 14 56 | 2 32 | 20 7 | 2 34 | 3 8 | 1 35 | 10 6 | 2 32 | 10 46 | 1 0 | 21 22 | 1 8 | 20 33 | 0 8 | 15 38 | 0 29 | 9 55 | 17 24 | 7 30 | 8 9 | 3 56 | 16 25 | 2 49 |
| S 15 | 10 51 | 12 11 | 1 31 | 20 30 | 2 37 | 2 40 | 1 36 | 9 58 | 2 28 | 10 50 | 1 0 | 21 23 | 1 8 | 20 33 | 0 8 | 15 37 | 0 29 | 9 55 | 17 24 | 7 29 | 8 10 | 3 58 | 16 24 | 2 49 |
| S 16 | 11 13 | 8 57 | 0 27 | 20 52 | 2 40 | 2 11 | 1 37 | 9 50 | 2 24 | 10 55 | 1 0 | 21 24 | 1 8 | 20 32 | 0 8 | 15 37 | 0 29 | 9 56 | 17 24 | 7 29 | 8 12 | 3 59 | 16 23 | 2 49 |
| M17 | 11 34 | 5 23 | 0n37 | 21 12 | 2 42 | 1 43 | 1 38 | 9 42 | 2 20 | 11 0 | 0 59 | 21 25 | 1 7 | 20 32 | 0 8 | 15 37 | 0 29 | 9 56 | 17 23 | 7 29 | 8 13 | 4 1 | 16 23 | 2 49 |
| T 18 | 11 55 | 1 39 | 1 39 | 21 31 | 2 44 | 1 14 | 1 39 | 9 34 | 2 16 | 11 4 | 0 59 | 21 25 | 1 7 | 20 31 | 0 8 | 15 36 | 0 29 | 9 56 | 17 23 | 7 29 | 8 14 | 4 3 | 16 22 | 2 49 |
| W19 | 12 16 | 2s 9 | 2 37 | 21 48 | 2 45 | 0 45 | 1 39 | 9 25 | 2 12 | 11 9 | 0 59 | 21 26 | 1 7 | 20 31 | 0 8 | 15 36 | 0 29 | 9 57 | 17 23 | 7 31 | 8 15 | 4 5 | 16 21 | 2 50 |
| T 20 | 12 37 | 5 53 | 3 27 | 22 3 | 2 46 | 0 16 | 1 40 | 9 17 | 2 8 | 11 13 | 0 59 | 21 27 | 1 7 | 20 30 | 0 8 | 15 36 | 0 29 | 9 57 | 17 23 | 7 34 | 8 16 | 4 7 | 16 20 | 2 50 |
| F 21 | 12 58 | 9 23 | 4 9 | 22 17 | 2 46 | 0s13 | 1 41 | 9 8 | 2 5 | 11 18 | 0 59 | 21 28 | 1 7 | 20 30 | 0 8 | 15 36 | 0 29 | 9 57 | 17 23 | 7 37 | 8 18 | 4 9 | 16 19 | 2 50 |
| S 22 | 13 18 | 12 33 | 4 40 | 22 28 | 2 45 | 0 42 | 1 41 | 8 59 | 2 1 | 11 23 | 0 59 | 21 29 | 1 7 | 20 30 | 0 7 | 15 35 | 0 29 | 9 57 | 17 23 | 7 41 | 8 19 | 4 11 | 16 18 | 2 50 |
| S 23 | 13 38 | 15 12 | 4 59 | 22 38 | 2 43 | 1 11 | 1 42 | 8 49 | 1 57 | 11 27 | 0 59 | 21 30 | 1 7 | 20 29 | 0 7 | 15 35 | 0 29 | 9 58 | 17 23 | 7 46 | 8 20 | 4 13 | 16 17 | 2 50 |
| M24 | 13 58 | 17 13 | 5 5 | 22 45 | 2 41 | 1 40 | 1 42 | 8 40 | 1 54 | 11 32 | 0 59 | 21 30 | 1 6 | 20 29 | 0 7 | 15 35 | 0 29 | 9 58 | 17 23 | 7 50 | 8 21 | 4 15 | 16 16 | 2 51 |
| T 25 | 14 18 | 18 28 | 4 56 | 22 51 | 2 37 | 2 9 | 1 42 | 8 30 | 1 50 | 11 36 | 0 59 | 21 31 | 1 6 | 20 28 | 0 7 | 15 35 | 0 29 | 9 58 | 17 22 | 7 53 | 8 22 | 4 17 | 16 15 | 2 51 |
| W26 | 14 37 | 18 51 | 4 33 | 22 54 | 2 33 | 2 39 | 1 42 | 8 21 | 1 47 | 11 41 | 0 59 | 21 32 | 1 6 | 20 28 | 0 7 | 15 35 | 0 30 | 9 58 | 17 22 | 7 56 | 8 24 | 4 19 | 16 14 | 2 51 |
| T 27 | 14 57 | 18 18 | 3 57 | 22 54 | 2 27 | 3 8 | 1 42 | 8 11 | 1 43 | 11 45 | 0 59 | 21 33 | 1 6 | 20 27 | 0 7 | 15 34 | 0 30 | 9 59 | 17 22 | 7 58 | 8 25 | 4 20 | 16 13 | 2 51 |
| F 28 | 15 16 | 16 46 | 3 7 | 22 51 | 2 20 | 3 37 | 1 42 | 8 1 | 1 40 | 11 50 | 0 59 | 21 34 | 1 6 | 20 27 | 0 7 | 15 34 | 0 30 | 9 59 | 17 22 | 7 59 | 8 26 | 4 22 | 16 12 | 2 51 |
| S 29 | 15 34 | 14 19 | 2 6 | 22 46 | 2 12 | 4 6 | 1 42 | 7 50 | 1 36 | 11 54 | 0 59 | 21 35 | 1 6 | 20 26 | 0 7 | 15 34 | 0 30 | 9 59 | 17 22 | 7 59 | 8 27 | 4 24 | 16 12 | 2 51 |
| S 30 | 15 53 | 10 59 | 0 57 | 22 37 | 2 2 | 4 35 | 1 42 | 7 40 | 1 33 | 11 59 | 0 59 | 21 35 | 1 6 | 20 26 | 0 7 | 15 34 | 0 30 | 9 59 | 17 22 | 7 59 | 8 28 | 4 26 | 16 11 | 2 51 |
| M31 | 16s11 | 6s57 | 0s18 | 22s24 | 1s51 | 5s 4 | 1n42 | 7s29 | 1s30 | 12s 3 | 0n59 | 21s36 | 1n 6 | 20n25 | 0s 7 | 15n34 | 0n30 | 9s59 | 17s21 | 7n58 | 8n30 | 4s28 | 16n10 | 2s52 |

Julian Day Number = 2124567.5, Delta T = 17m27s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'35, Lahiri = 11°22'35 Julian Calendar 1 Oct. 1104 == Greg. Calendar 8 Oct. 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## NOVEMBER 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 6 10 | 15♏14'27 | 27♓34 | 1°R26 | 18♎ 2 | 14♓54 | 4♏26 | 15♐ 0 | 1°R24 | 19♑21 | 15°R11 | 9°R40 | 8♍15 | 19♎26 | 24°R14 | T 1 |
| W 2 | 3 10 6 | 16°15'07 | 12♈24 | 1♐ 0 | 19°16 | 15°14 | 4°39 | 15° 6 | 1♊21 | 19°21 | 15♈10 | 9♍36 | 8°12 | 19°32 | 24♉11 | W 2 |
| T 3 | 3 14 3 | 17°15'48 | 27°28 | 0°23 | 20°31 | 15°35 | 4°52 | 15°13 | 1°19 | 19°22 | 15° 9 | 9°30 | 8° 9 | 19°39 | 24° 8 | T 3 |
| F 4 | 3 17 59 | 18°16'31 | 12♉38 | 29♏35 | 21°46 | 15°57 | 5° 5 | 15°19 | 1°16 | 19°22 | 15° 8 | 9°21 | 8° 6 | 19°46 | 24° 4 | F 4 |
| S 5 | 3 21 56 | 19°17'14 | 27°45 | 28°37 | 23° 0 | 16°19 | 5°18 | 15°26 | 1°14 | 19°22 | 15° 7 | 9°10 | 8° 3 | 19°52 | 24° 1 | S 5 |
| S 6 | 3 25 52 | 20°17'59 | 12♊37 | 27°30 | 24°15 | 16°41 | 5°31 | 15°32 | 1°12 | 19°23 | 15° 6 | 8°59 | 7°59 | 19°59 | 23°57 | S 6 |
| M 7 | 3 29 49 | 21°18'46 | 27° 6 | 26°16 | 25°30 | 17° 4 | 5°44 | 15°39 | 1° 9 | 19°23 | 15° 5 | 8°49 | 7°56 | 20° 6 | 23°54 | M 7 |
| T 8 | 3 33 46 | 22°19'34 | 11♋ 7 | 24°57 | 26°45 | 17°27 | 5°57 | 15°46 | 1° 7 | 19°23 | 15° 4 | 8°41 | 7°53 | 20°13 | 23°51 | T 8 |
| W 9 | 3 37 42 | 23°20'24 | 24°38 | 23°34 | 27°59 | 17°50 | 6°10 | 15°52 | 1° 4 | 19°24 | 15° 3 | 8°35 | 7°50 | 20°19 | 23°47 | W 9 |
| T 10 | 3 41 39 | 24°21'15 | 7♌41 | 22°12 | 29°14 | 18°14 | 6°23 | 15°59 | 1° 1 | 19°24 | 15° 2 | 8°32 | 7°47 | 20°26 | 23°44 | T 10 |
| F 11 | 3 45 35 | 25°22'07 | 20°18 | 20°53 | 0♏29 | 18°38 | 6°36 | 16° 6 | 0°59 | 19°24 | 15° 2 | 8°31 | 7°44 | 20°33 | 23°40 | F 11 |
| S 12 | 3 49 32 | 26°23'01 | 2♍35 | 19°39 | 1°44 | 19° 3 | 6°49 | 16°13 | 0°56 | 19°24 | 15° 1 | 8°31 | 7°40 | 20°39 | 23°37 | S 12 |
| S 13 | 3 53 28 | 27°23'56 | 14°36 | 18°32 | 2°59 | 19°28 | 7° 2 | 16°19 | 0°54 | 19°24 | 15° 0 | 8°31 | 7°37 | 20°46 | 23°34 | S 13 |
| M14 | 3 57 25 | 28°24'53 | 26°28 | 17°35 | 4°14 | 19°53 | 7°14 | 16°26 | 0°51 | 19°24 | 14°59 | 8°30 | 7°34 | 20°53 | 23°30 | M14 |
| T 15 | 4 1 21 | 29°25'51 | 8♎16 | 16°49 | 5°29 | 20°18 | 7°27 | 16°33 | 0°49 | 19°R24 | 14°58 | 8°26 | 7°31 | 20°59 | 23°27 | T 15 |
| W16 | 4 5 18 | 0♐26'50 | 20° 4 | 16°13 | 6°44 | 20°44 | 7°40 | 16°40 | 0°46 | 19°24 | 14°58 | 8°20 | 7°28 | 21° 6 | 23°24 | W16 |
| T 17 | 4 9 15 | 1°27'50 | 1♏55 | 15°50 | 7°59 | 21°11 | 7°53 | 16°47 | 0°44 | 19°24 | 14°57 | 8°11 | 7°24 | 21°13 | 23°20 | T 17 |
| F 18 | 4 13 11 | 2°28'52 | 13°53 | 15°37 | 9°14 | 21°37 | 8° 5 | 16°54 | 0°41 | 19°24 | 14°56 | 7°59 | 7°21 | 21°19 | 23°17 | F 18 |
| S 19 | 4 17 8 | 3°29'54 | 26° 0 | 15°D35 | 10°29 | 22° 4 | 8°18 | 17° 1 | 0°39 | 19°24 | 14°55 | 7°45 | 7°18 | 21°26 | 23°14 | S 19 |
| S 20 | 4 21 4 | 4°30'57 | 8♐15 | 15°44 | 11°44 | 22°31 | 8°31 | 17° 8 | 0°36 | 19°24 | 14°55 | 7°30 | 7°15 | 21°33 | 23°10 | S 20 |
| M21 | 4 25 1 | 5°32'02 | 20°41 | 16° 1 | 12°59 | 22°59 | 8°43 | 17°15 | 0°33 | 19°24 | 14°54 | 7°15 | 7°12 | 21°39 | 23° 7 | M21 |
| T 22 | 4 28 57 | 6°33'07 | 3♑17 | 16°27 | 14°14 | 23°26 | 8°56 | 17°21 | 0°31 | 19°23 | 14°53 | 7° 2 | 7° 9 | 21°46 | 23° 4 | T 22 |
| W23 | 4 32 54 | 7°34'12 | 16° 3 | 17° 1 | 15°30 | 23°54 | 9° 8 | 17°28 | 0°28 | 19°23 | 14°53 | 6°52 | 7° 5 | 21°53 | 23° 0 | W23 |
| T 24 | 4 36 51 | 8°35'19 | 29° 0 | 17°41 | 16°45 | 24°23 | 9°21 | 17°35 | 0°26 | 19°23 | 14°52 | 6°45 | 7° 2 | 21°59 | 22°57 | T 24 |
| F 25 | 4 40 47 | 9°36'25 | 12♒ 8 | 18°28 | 18° 0 | 24°51 | 9°33 | 17°42 | 0°23 | 19°23 | 14°52 | 6°41 | 6°59 | 22° 6 | 22°54 | F 25 |
| S 26 | 4 44 44 | 10°37'32 | 25°31 | 19°20 | 19°15 | 25°20 | 9°45 | 17°50 | 0°21 | 19°22 | 14°51 | 6°39 | 6°56 | 22°13 | 22°51 | S 26 |
| S 27 | 4 48 40 | 11°38'40 | 9♓ 8 | 20°16 | 20°30 | 25°49 | 9°57 | 17°57 | 0°18 | 19°22 | 14°50 | 6°39 | 6°53 | 22°19 | 22°47 | S 27 |
| M28 | 4 52 37 | 12°39'47 | 23° 2 | 21°17 | 21°45 | 26°18 | 10°10 | 18° 4 | 0°16 | 19°21 | 14°50 | 6°39 | 6°50 | 22°26 | 22°44 | M28 |
| T 29 | 4 56 33 | 13°40'55 | 7♈13 | 22°21 | 23° 1 | 26°48 | 10°22 | 18°11 | 0°13 | 19°21 | 14°49 | 6°38 | 6°46 | 22°33 | 22°41 | T 29 |
| W30 | 5 0 30 | 14♐42'03 | 21♈41 | 23♏29 | 24♏16 | 27♓17 | 10♏34 | 18♐18 | 0♊11 | 19♑20 | 14♈49 | 6♍34 | 6♍43 | 22♎40 | 22♉38 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s29 | 2s24 | 1s34 | 22s 9 | 1s38 | 5s32 | 1n42 | 7s19 | 1s27 | 12s 8 | 0n59 | 21s37 | 1n 6 | 20n25 | 0s 7 | 15n34 | 0n30 | 10s 0 | 17s21 | 7n59 | 8n31 | 4s30 | 16n 9 | 2s52 |
| W 2 | 16 47 | 2n24 | 2 45 | 21 49 | 1 23 | 6 1 | 1 41 | 7 8 | 1 24 | 12 12 | 0 59 | 21 38 | 1 5 | 20 25 | 0 7 | 15 33 | 0 30 | 10 0 | 17 21 | 8 0 | 8 32 | 4 32 | 16 8 | 2 52 |
| T 3 | 17 4 | 7 7 | 3 45 | 21 25 | 1 7 | 6 30 | 1 41 | 6 57 | 1 21 | 12 17 | 0 59 | 21 39 | 1 5 | 20 24 | 0 7 | 15 33 | 0 30 | 10 0 | 17 21 | 8 3 | 8 33 | 4 34 | 16 7 | 2 52 |
| F 4 | 17 21 | 11 25 | 4 30 | 20 58 | 0 50 | 6 58 | 1 40 | 6 46 | 1 18 | 12 21 | 0 59 | 21 40 | 1 5 | 20 24 | 0 7 | 15 33 | 0 30 | 10 0 | 17 21 | 8 6 | 8 34 | 4 36 | 16 6 | 2 52 |
| S 5 | 17 38 | 14 56 | 4 56 | 20 27 | 0 31 | 7 27 | 1 40 | 6 34 | 1 15 | 12 26 | 0 59 | 21 40 | 1 5 | 20 23 | 0 7 | 15 33 | 0 30 | 10 0 | 17 20 | 8 10 | 8 36 | 4 38 | 16 5 | 2 52 |
| S 6 | 17 54 | 17 26 | 5 2 | 19 53 | 0 11 | 7 55 | 1 39 | 6 23 | 1 12 | 12 30 | 0 59 | 21 41 | 1 5 | 20 23 | 0 7 | 15 33 | 0 30 | 10 0 | 17 20 | 8 14 | 8 37 | 4 39 | 16 4 | 2 52 |
| M 7 | 18 10 | 18 44 | 4 47 | 19 16 | 0n 9 | 8 23 | 1 38 | 6 12 | 1 9 | 12 34 | 0 59 | 21 42 | 1 5 | 20 22 | 0 7 | 15 33 | 0 30 | 10 1 | 17 20 | 8 18 | 8 38 | 4 41 | 16 3 | 2 52 |
| T 8 | 18 26 | 18 50 | 4 16 | 18 37 | 0 30 | 8 51 | 1 37 | 6 0 | 1 6 | 12 39 | 0 59 | 21 43 | 1 5 | 20 22 | 0 7 | 15 33 | 0 30 | 10 1 | 17 20 | 8 21 | 8 39 | 4 43 | 16 2 | 2 53 |
| W 9 | 18 42 | 17 51 | 3 31 | 17 57 | 0 50 | 9 18 | 1 37 | 5 48 | 1 3 | 12 43 | 0 59 | 21 44 | 1 5 | 20 21 | 0 7 | 15 33 | 0 30 | 10 1 | 17 19 | 8 23 | 8 40 | 4 45 | 16 1 | 2 53 |
| T 10 | 18 57 | 15 55 | 2 36 | 17 17 | 1 9 | 9 46 | 1 36 | 5 36 | 1 1 | 12 47 | 0 59 | 21 44 | 1 5 | 20 20 | 0 7 | 15 33 | 0 30 | 10 1 | 17 19 | 8 25 | 8 42 | 4 47 | 16 0 | 2 53 |
| F 11 | 19 12 | 13 17 | 1 35 | 16 39 | 1 28 | 10 13 | 1 35 | 5 24 | 0 58 | 12 51 | 0 59 | 21 45 | 1 4 | 20 20 | 0 7 | 15 33 | 0 30 | 10 1 | 17 19 | 8 25 | 8 43 | 4 49 | 15 59 | 2 53 |
| S 12 | 19 26 | 10 7 | 0 31 | 16 3 | 1 44 | 10 40 | 1 33 | 5 12 | 0 55 | 12 56 | 0 59 | 21 46 | 1 4 | 20 19 | 0 7 | 15 33 | 0 30 | 10 1 | 17 19 | 8 25 | 8 44 | 4 51 | 15 58 | 2 53 |
| S 13 | 19 40 | 6 35 | 0n32 | 15 31 | 1 59 | 11 7 | 1 32 | 5 0 | 0 53 | 13 0 | 0 59 | 21 47 | 1 4 | 20 19 | 0 7 | 15 33 | 0 30 | 10 1 | 17 18 | 8 25 | 8 45 | 4 53 | 15 58 | 2 53 |
| M14 | 19 54 | 2 50 | 1 34 | 15 3 | 2 12 | 11 34 | 1 31 | 4 48 | 0 50 | 13 4 | 0 59 | 21 48 | 1 4 | 20 18 | 0 7 | 15 33 | 0 30 | 10 1 | 17 18 | 8 25 | 8 46 | 4 55 | 15 57 | 2 53 |
| T 15 | 20 7 | 0s59 | 2 31 | 14 40 | 2 22 | 12 0 | 1 30 | 4 36 | 0 48 | 13 8 | 0 59 | 21 48 | 1 4 | 20 18 | 0 7 | 15 33 | 0 30 | 10 1 | 17 18 | 8 27 | 8 47 | 4 57 | 15 56 | 2 53 |
| W16 | 20 20 | 4 47 | 3 21 | 14 22 | 2 30 | 12 26 | 1 28 | 4 23 | 0 45 | 13 12 | 0 59 | 21 49 | 1 4 | 20 17 | 0 7 | 15 33 | 0 30 | 10 1 | 17 18 | 8 29 | 8 49 | 4 58 | 15 55 | 2 53 |
| T 17 | 20 33 | 8 24 | 4 3 | 14 9 | 2 36 | 12 52 | 1 27 | 4 10 | 0 43 | 13 16 | 0 59 | 21 50 | 1 4 | 20 17 | 0 7 | 15 33 | 0 30 | 10 1 | 17 17 | 8 33 | 8 50 | 5 0 | 15 54 | 2 53 |
| F 18 | 20 45 | 11 43 | 4 34 | 14 2 | 2 41 | 13 17 | 1 26 | 3 58 | 0 41 | 13 20 | 0 59 | 21 51 | 1 4 | 20 16 | 0 7 | 15 33 | 0 30 | 10 1 | 17 17 | 8 37 | 8 51 | 5 2 | 15 53 | 2 53 |
| S 19 | 20 57 | 14 35 | 4 53 | 13 59 | 2 43 | 13 42 | 1 24 | 3 45 | 0 38 | 13 25 | 0 59 | 21 51 | 1 4 | 20 16 | 0 7 | 15 33 | 0 30 | 10 1 | 17 17 | 8 42 | 8 52 | 5 4 | 15 52 | 2 54 |
| S 20 | 21 9 | 16 51 | 5 0 | 14 1 | 2 44 | 14 7 | 1 23 | 3 32 | 0 36 | 13 29 | 0 59 | 21 52 | 1 4 | 20 15 | 0 7 | 15 33 | 0 30 | 10 1 | 17 17 | 8 48 | 8 53 | 5 6 | 15 51 | 2 54 |
| M21 | 21 20 | 18 23 | 4 52 | 14 6 | 2 43 | 14 32 | 1 21 | 3 19 | 0 34 | 13 33 | 0 59 | 21 53 | 1 4 | 20 15 | 0 7 | 15 33 | 0 30 | 10 1 | 17 16 | 8 53 | 8 55 | 5 8 | 15 50 | 2 54 |
| T 22 | 21 30 | 19 1 | 4 29 | 14 15 | 2 41 | 14 56 | 1 19 | 3 6 | 0 32 | 13 37 | 0 59 | 21 54 | 1 3 | 20 14 | 0 7 | 15 33 | 0 30 | 10 1 | 17 16 | 8 58 | 8 56 | 5 10 | 15 49 | 2 54 |
| W23 | 21 41 | 18 43 | 3 53 | 14 28 | 2 39 | 15 19 | 1 17 | 2 53 | 0 30 | 13 41 | 0 59 | 21 54 | 1 3 | 20 14 | 0 7 | 15 33 | 0 30 | 10 1 | 17 16 | 9 2 | 8 57 | 5 12 | 15 49 | 2 54 |
| T 24 | 21 50 | 17 27 | 3 5 | 14 43 | 2 35 | 15 43 | 1 16 | 2 40 | 0 28 | 13 44 | 0 59 | 21 55 | 1 3 | 20 13 | 0 7 | 15 34 | 0 30 | 10 1 | 17 15 | 9 5 | 8 58 | 5 14 | 15 48 | 2 54 |
| F 25 | 22 0 | 15 13 | 2 6 | 15 0 | 2 30 | 16 6 | 1 14 | 2 27 | 0 25 | 13 48 | 0 59 | 21 56 | 1 3 | 20 13 | 0 7 | 15 34 | 0 30 | 10 1 | 17 15 | 9 6 | 8 59 | 5 16 | 15 47 | 2 54 |
| S 26 | 22 9 | 12 10 | 0 59 | 15 19 | 2 25 | 16 28 | 1 12 | 2 13 | 0 23 | 13 52 | 0 59 | 21 57 | 1 3 | 20 12 | 0 7 | 15 34 | 0 30 | 10 1 | 17 15 | 9 7 | 9 0 | 5 18 | 15 46 | 2 54 |
| S 27 | 22 17 | 8 23 | 0s13 | 15 40 | 2 19 | 16 50 | 1 10 | 2 0 | 0 21 | 13 56 | 0 59 | 21 57 | 1 3 | 20 12 | 0 7 | 15 34 | 0 30 | 10 1 | 17 14 | 9 7 | 9 2 | 5 19 | 15 45 | 2 54 |
| M28 | 22 25 | 4 5 | 1 25 | 16 2 | 2 13 | 17 12 | 1 8 | 1 46 | 0 20 | 14 0 | 0 59 | 21 58 | 1 3 | 20 11 | 0 7 | 15 34 | 0 30 | 10 1 | 17 14 | 9 7 | 9 3 | 5 21 | 15 44 | 2 54 |
| T 29 | 22 33 | 0n31 | 2 34 | 16 25 | 2 6 | 17 33 | 1 6 | 1 33 | 0 18 | 14 4 | 0 59 | 21 59 | 1 3 | 20 11 | 0 7 | 15 34 | 0 30 | 10 1 | 17 14 | 9 7 | 9 4 | 5 23 | 15 44 | 2 54 |
| W30 | 22s40 | 5n11 | 3s34 | 16s49 | 1n59 | 17s54 | 1n 4 | 1s19 | 0s16 | 14s 7 | 0n59 | 21s59 | 1n 3 | 20n10 | 0s 7 | 15n34 | 0n31 | 10s 1 | 17s13 | 9n 9 | 9n 5 | 5s25 | 15n43 | 2s54 |

Julian Day Number = 2124598.5, Delta T = 17m27s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'39, Lahiri = 11°22'40 Julian Calendar 1 Nov. 1104 == Greg. Calendar 8 Nov. 1104


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# ASTRODIENST EPHEMERIS for the year 1104
# geocentric

## DECEMBER 1104 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 4 26 | 15♐43'11 | 6♉21 | 24♏39 | 25♏31 | 27♓47 | 10♏46 | 18♐25 | 0°R 9 | 19°R20 | 14°R48 | 6°R27 | 6♍40 | 22♎46 | 22°R35 | T 1 |
| F 2 | 5 8 23 | 16°44'20 | 21° 9 | 25°52 | 26°46 | 28°18 | 10°58 | 18°32 | 0♊ 6 | 19♌19 | 14♈48 | 6♍17 | 6°37 | 22°53 | 22♉32 | F 2 |
| S 3 | 5 12 20 | 17°45'29 | 5♊57 | 27° 7 | 28° 1 | 28°48 | 11°10 | 18°39 | 0° 4 | 19°19 | 14°47 | 6° 6 | 6°34 | 23° 0 | 22°29 | S 3 |
| S 4 | 5 16 16 | 18°46'38 | 20°35 | 28°23 | 29°17 | 29°18 | 11°22 | 18°46 | 0° 1 | 19°18 | 14°47 | 5°54 | 6°30 | 23° 6 | 22°26 | S 4 |
| M 5 | 5 20 13 | 19°47'48 | 4♋57 | 29°42 | 0♐32 | 29°49 | 11°33 | 18°53 | 29♉59 | 19°17 | 14°47 | 5°43 | 6°27 | 23°13 | 22°23 | M 5 |
| T 6 | 5 24 9 | 20°48'58 | 18°56 | 1♐ 1 | 1°47 | 0♈20 | 11°45 | 19° 0 | 29°57 | 19°17 | 14°46 | 5°33 | 6°24 | 23°20 | 22°20 | T 6 |
| W 7 | 5 28 6 | 21°50'08 | 2♌29 | 2°22 | 3° 2 | 0°51 | 11°57 | 19° 7 | 29°54 | 19°16 | 14°46 | 5°26 | 6°21 | 23°26 | 22°17 | W 7 |
| T 8 | 5 32 2 | 22°51'19 | 15°35 | 3°45 | 4°18 | 1°23 | 12° 8 | 19°14 | 29°52 | 19°15 | 14°46 | 5°22 | 6°18 | 23°33 | 22°15 | T 8 |
| F 9 | 5 35 59 | 23°52'30 | 28°17 | 5° 8 | 5°33 | 1°54 | 12°20 | 19°21 | 29°50 | 19°15 | 14°45 | 5°21 | 6°15 | 23°40 | 22°12 | F 9 |
| S 10 | 5 39 55 | 24°53'41 | 10♍37 | 6°32 | 6°48 | 2°26 | 12°31 | 19°28 | 29°48 | 19°14 | 14°45 | 5°D21 | 6°11 | 23°46 | 22° 9 | S 10 |
| S 11 | 5 43 52 | 25°54'53 | 22°42 | 7°57 | 8° 4 | 2°58 | 12°43 | 19°35 | 29°45 | 19°13 | 14°45 | 5°R21 | 6° 8 | 23°53 | 22° 6 | S 11 |
| M12 | 5 47 49 | 26°56'05 | 4♎36 | 9°23 | 9°19 | 3°30 | 12°54 | 19°42 | 29°43 | 19°12 | 14°44 | 5°21 | 6° 5 | 24° 0 | 22° 4 | M12 |
| T 13 | 5 51 45 | 27°57'18 | 16°25 | 10°50 | 10°34 | 4° 2 | 13° 5 | 19°49 | 29°41 | 19°11 | 14°44 | 5°19 | 6° 2 | 24° 6 | 22° 1 | T 13 |
| W14 | 5 55 42 | 28°58'30 | 28°15 | 12°17 | 11°49 | 4°34 | 13°16 | 19°56 | 29°39 | 19°10 | 14°44 | 5°15 | 5°59 | 24°13 | 21°59 | W14 |
| T 15 | 5 59 38 | 29°59'43 | 10♏ 9 | 13°44 | 13° 5 | 5° 6 | 13°27 | 20° 3 | 29°37 | 19° 9 | 14°44 | 5° 8 | 5°55 | 24°20 | 21°56 | T 15 |
| F 16 | 6 3 35 | 1♑ 0'56 | 22°12 | 15°13 | 14°20 | 5°39 | 13°38 | 20°10 | 29°35 | 19° 8 | 14°44 | 4°58 | 5°52 | 24°27 | 21°54 | F 16 |
| S 17 | 6 7 31 | 2° 2'09 | 4♐26 | 16°42 | 15°35 | 6°12 | 13°49 | 20°17 | 29°33 | 19° 7 | 14°43 | 4°47 | 5°49 | 24°33 | 21°51 | S 17 |
| S 18 | 6 11 28 | 3° 3'22 | 16°54 | 18°11 | 16°51 | 6°45 | 14° 0 | 20°24 | 29°31 | 19° 6 | 14°43 | 4°35 | 5°46 | 24°40 | 21°49 | S 18 |
| M19 | 6 15 24 | 4° 4'35 | 29°35 | 19°41 | 18° 6 | 7°18 | 14°11 | 20°31 | 29°29 | 19° 5 | 14°43 | 4°23 | 5°43 | 24°47 | 21°47 | M19 |
| T 20 | 6 19 21 | 5° 5'48 | 12♑30 | 21°11 | 19°21 | 7°51 | 14°21 | 20°38 | 29°27 | 19° 4 | 14°43 | 4°13 | 5°40 | 24°53 | 21°45 | T 20 |
| W21 | 6 23 18 | 6° 7'00 | 25°38 | 22°42 | 20°37 | 8°24 | 14°32 | 20°45 | 29°25 | 19° 3 | 14°43 | 4° 5 | 5°36 | 25° 0 | 21°42 | W21 |
| T 22 | 6 27 14 | 7° 8'12 | 8♒57 | 24°14 | 21°52 | 8°57 | 14°42 | 20°52 | 29°23 | 19° 2 | 14°43 | 3°59 | 5°33 | 25° 7 | 21°40 | T 22 |
| F 23 | 6 31 11 | 8° 9'23 | 22°26 | 25°46 | 23° 7 | 9°31 | 14°53 | 20°59 | 29°21 | 19° 1 | 14°D43 | 3°56 | 5°30 | 25°13 | 21°38 | F 23 |
| S 24 | 6 35 7 | 9°10'34 | 6♓ 5 | 27°18 | 24°23 | 10° 5 | 15° 3 | 21° 6 | 29°19 | 19° 0 | 14°43 | 3°D56 | 5°27 | 25°20 | 21°36 | S 24 |
| S 25 | 6 39 4 | 10°11'44 | 19°52 | 28°51 | 25°38 | 10°38 | 15°13 | 21°13 | 29°17 | 18°58 | 14°43 | 3°56 | 5°24 | 25°27 | 21°34 | S 25 |
| M26 | 6 43 0 | 11°12'53 | 3♈48 | 0♑24 | 26°53 | 11°12 | 15°23 | 21°19 | 29°16 | 18°57 | 14°43 | 3°57 | 5°21 | 25°33 | 21°32 | M26 |
| T 27 | 6 46 57 | 12°14'01 | 17°53 | 1°58 | 28° 9 | 11°46 | 15°33 | 21°26 | 29°14 | 18°56 | 14°43 | 3°R57 | 5°17 | 25°40 | 21°31 | T 27 |
| W28 | 6 50 53 | 13°15'08 | 2♉ 5 | 3°32 | 29°24 | 12°20 | 15°43 | 21°33 | 29°12 | 18°55 | 14°43 | 3°56 | 5°14 | 25°47 | 21°29 | W28 |
| T 29 | 6 54 50 | 14°16'15 | 16°23 | 5° 7 | 0♑39 | 12°55 | 15°53 | 21°40 | 29°11 | 18°53 | 14°44 | 3°52 | 5°11 | 25°54 | 21°27 | T 29 |
| F 30 | 6 58 47 | 15°17'21 | 0♊43 | 6°42 | 1°54 | 13°29 | 16° 2 | 21°46 | 29° 9 | 18°52 | 14°44 | 3°46 | 5° 8 | 26° 0 | 21°26 | F 30 |
| S 31 | 7 2 43 | 16♑18'25 | 15♊ 1 | 8♑18 | 3♑10 | 14♈ 3 | 16♏12 | 21♐53 | 29♉ 8 | 18♌51 | 14♈44 | 3♍38 | 5♍ 5 | 26♎ 7 | 21♉24 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s47 | 9n36 | 4s21 | 17s13 | 1n52 | 18s14 | 1n 2 | 1s 6 | 0s14 | 14s11 | 0n59 | 22s 0 | 1n 3 | 20n10 | 0s 7 | 15n35 | 0n31 | 10s 1 | 17s13 | 9n11 | 9n 6 | 5s27 | 15n42 | 2s54 |
| F 2 | 22 53 | 13 27 | 4 50 | 17 37 | 1 44 | 18 33 | 1 0 | 0 52 | 0 12 | 14 15 | 0 59 | 22 1 | 1 3 | 20 9 | 0 7 | 15 35 | 0 31 | 10 0 | 17 13 | 9 15 | 9 8 | 5 29 | 15 41 | 2 54 |
| S 3 | 22 59 | 16 28 | 5 1 | 18 2 | 1 37 | 18 53 | 0 58 | 0 38 | 0 10 | 14 19 | 0 59 | 22 1 | 1 3 | 20 9 | 0 7 | 15 35 | 0 31 | 10 0 | 17 12 | 9 19 | 9 9 | 5 31 | 15 40 | 2 54 |
| S 4 | 23 5 | 18 23 | 4 51 | 18 27 | 1 29 | 19 11 | 0 55 | 0 24 | 0 9 | 14 22 | 0 59 | 22 2 | 1 3 | 20 8 | 0 7 | 15 35 | 0 31 | 10 0 | 17 12 | 9 23 | 9 10 | 5 33 | 15 40 | 2 54 |
| M 5 | 23 10 | 19 5 | 4 23 | 18 52 | 1 21 | 19 29 | 0 53 | 0 11 | 0 7 | 14 26 | 0 59 | 22 3 | 1 3 | 20 8 | 0 7 | 15 36 | 0 31 | 10 0 | 17 12 | 9 28 | 9 11 | 5 35 | 15 39 | 2 54 |
| T 6 | 23 14 | 18 35 | 3 40 | 19 16 | 1 13 | 19 47 | 0 51 | 0n 3 | 0 5 | 14 29 | 0 59 | 22 3 | 1 2 | 20 7 | 0 7 | 15 36 | 0 31 | 10 0 | 17 11 | 9 31 | 9 12 | 5 36 | 15 38 | 2 54 |
| W 7 | 23 18 | 17 1 | 2 45 | 19 40 | 1 5 | 20 4 | 0 49 | 0 17 | 0 3 | 14 33 | 1 0 | 22 4 | 1 2 | 20 7 | 0 7 | 15 36 | 0 31 | 10 0 | 17 11 | 9 34 | 9 13 | 5 38 | 15 37 | 2 54 |
| T 8 | 23 22 | 14 36 | 1 43 | 20 4 | 0 57 | 20 21 | 0 46 | 0 31 | 0 2 | 14 36 | 1 0 | 22 5 | 1 2 | 20 6 | 0 7 | 15 36 | 0 31 | 9 59 | 17 11 | 9 35 | 9 15 | 5 40 | 15 37 | 2 54 |
| F 9 | 23 25 | 11 33 | 0 37 | 20 27 | 0 49 | 20 37 | 0 44 | 0 45 | 0 0 | 14 40 | 1 0 | 22 5 | 1 2 | 20 6 | 0 7 | 15 37 | 0 31 | 9 59 | 17 10 | 9 36 | 9 16 | 5 42 | 15 36 | 2 54 |
| S 10 | 23 27 | 8 3 | 0n28 | 20 49 | 0 42 | 20 52 | 0 42 | 0 59 | 0n 1 | 14 43 | 1 0 | 22 6 | 1 2 | 20 5 | 0 7 | 15 37 | 0 31 | 9 59 | 17 10 | 9 36 | 9 17 | 5 44 | 15 35 | 2 54 |
| S 11 | 23 29 | 4 18 | 1 31 | 21 11 | 0 34 | 21 7 | 0 39 | 1 14 | 0 3 | 14 47 | 1 0 | 22 7 | 1 2 | 20 5 | 0 7 | 15 37 | 0 31 | 9 59 | 17 10 | 9 36 | 9 18 | 5 46 | 15 35 | 2 54 |
| M12 | 23 31 | 0 26 | 2 29 | 21 32 | 0 26 | 21 21 | 0 37 | 1 28 | 0 4 | 14 50 | 1 0 | 22 7 | 1 2 | 20 4 | 0 7 | 15 37 | 0 31 | 9 59 | 17 9 | 9 36 | 9 19 | 5 48 | 15 34 | 2 54 |
| T 13 | 23 32 | 3s24 | 3 20 | 21 52 | 0 18 | 21 34 | 0 34 | 1 42 | 0 6 | 14 53 | 1 0 | 22 8 | 1 2 | 20 4 | 0 7 | 15 38 | 0 31 | 9 58 | 17 9 | 9 36 | 9 21 | 5 50 | 15 33 | 2 54 |
| W14 | 23 33 | 7 7 | 4 3 | 22 12 | 0 11 | 21 47 | 0 32 | 1 56 | 0 7 | 14 57 | 1 0 | 22 8 | 1 2 | 20 3 | 0 7 | 15 38 | 0 31 | 9 58 | 17 9 | 9 38 | 9 22 | 5 52 | 15 33 | 2 54 |
| T 15 | 23 33 | 10 34 | 4 35 | 22 30 | 0 3 | 21 59 | 0 30 | 2 10 | 0 9 | 15 0 | 1 0 | 22 9 | 1 2 | 20 3 | 0 7 | 15 38 | 0 31 | 9 58 | 17 8 | 9 41 | 9 23 | 5 54 | 15 32 | 2 54 |
| F 16 | 23 33 | 13 38 | 4 56 | 22 48 | 0s 4 | 22 11 | 0 27 | 2 25 | 0 10 | 15 3 | 1 0 | 22 9 | 1 2 | 20 3 | 0 7 | 15 39 | 0 31 | 9 58 | 17 8 | 9 44 | 9 24 | 5 55 | 15 32 | 2 54 |
| S 17 | 23 32 | 16 10 | 5 3 | 23 4 | 0 11 | 22 22 | 0 25 | 2 39 | 0 12 | 15 6 | 1 0 | 22 10 | 1 2 | 20 2 | 0 7 | 15 39 | 0 31 | 9 57 | 17 8 | 9 48 | 9 25 | 5 57 | 15 31 | 2 54 |
| S 18 | 23 31 | 17 59 | 4 56 | 23 20 | 0 18 | 22 32 | 0 22 | 2 53 | 0 13 | 15 10 | 1 0 | 22 11 | 1 2 | 20 2 | 0 7 | 15 39 | 0 31 | 9 57 | 17 7 | 9 52 | 9 26 | 5 59 | 15 30 | 2 54 |
| M19 | 23 29 | 18 58 | 4 35 | 23 34 | 0 25 | 22 41 | 0 20 | 3 8 | 0 14 | 15 13 | 1 0 | 22 11 | 1 2 | 20 1 | 0 7 | 15 40 | 0 31 | 9 57 | 17 7 | 9 57 | 9 28 | 6 1 | 15 30 | 2 54 |
| T 20 | 23 27 | 19 0 | 3 59 | 23 47 | 0 32 | 22 50 | 0 17 | 3 22 | 0 16 | 15 16 | 1 0 | 22 12 | 1 2 | 20 1 | 0 7 | 15 40 | 0 31 | 9 56 | 17 6 | 10 1 | 9 29 | 6 3 | 15 29 | 2 54 |
| W21 | 23 25 | 18 0 | 3 10 | 24 0 | 0 39 | 22 59 | 0 15 | 3 36 | 0 17 | 15 19 | 1 0 | 22 12 | 1 2 | 20 0 | 0 7 | 15 40 | 0 31 | 9 56 | 17 6 | 10 4 | 9 30 | 6 5 | 15 29 | 2 54 |
| T 22 | 23 22 | 16 1 | 2 10 | 24 11 | 0 45 | 23 6 | 0 12 | 3 51 | 0 18 | 15 22 | 1 0 | 22 13 | 1 2 | 20 0 | 0 7 | 15 41 | 0 31 | 9 56 | 17 6 | 10 6 | 9 31 | 6 7 | 15 28 | 2 54 |
| F 23 | 23 18 | 13 8 | 1 1 | 24 20 | 0 51 | 23 13 | 0 10 | 4 5 | 0 19 | 15 25 | 1 1 | 22 13 | 1 2 | 20 0 | 0 7 | 15 41 | 0 31 | 9 55 | 17 5 | 10 7 | 9 32 | 6 9 | 15 28 | 2 54 |
| S 24 | 23 14 | 9 30 | 0s12 | 24 29 | 0 57 | 23 19 | 0 7 | 4 19 | 0 21 | 15 28 | 1 1 | 22 14 | 1 2 | 19 59 | 0 7 | 15 42 | 0 31 | 9 55 | 17 5 | 10 7 | 9 33 | 6 11 | 15 27 | 2 53 |
| S 25 | 23 10 | 5 20 | 1 25 | 24 36 | 1 3 | 23 24 | 0 5 | 4 34 | 0 22 | 15 31 | 1 1 | 22 14 | 1 2 | 19 59 | 0 7 | 15 42 | 0 31 | 9 55 | 17 5 | 10 7 | 9 35 | 6 13 | 15 27 | 2 53 |
| M26 | 23 5 | 0 50 | 2 33 | 24 42 | 1 9 | 23 29 | 0 2 | 4 48 | 0 23 | 15 33 | 1 1 | 22 15 | 1 2 | 19 59 | 0 7 | 15 42 | 0 31 | 9 54 | 17 4 | 10 6 | 9 36 | 6 14 | 15 27 | 2 53 |
| T 27 | 22 59 | 3n45 | 3 34 | 24 47 | 1 14 | 23 33 | 0s 0 | 5 3 | 0 24 | 15 36 | 1 1 | 22 15 | 1 2 | 19 58 | 0 7 | 15 43 | 0 31 | 9 54 | 17 4 | 10 6 | 9 37 | 6 16 | 15 26 | 2 53 |
| W28 | 22 53 | 8 10 | 4 21 | 24 50 | 1 20 | 23 36 | 0 3 | 5 17 | 0 25 | 15 39 | 1 1 | 22 16 | 1 1 | 19 58 | 0 7 | 15 43 | 0 31 | 9 54 | 17 4 | 10 7 | 9 38 | 6 18 | 15 26 | 2 53 |
| T 29 | 22 47 | 12 8 | 4 53 | 24 52 | 1 25 | 23 38 | 0 5 | 5 32 | 0 26 | 15 42 | 1 1 | 22 16 | 1 1 | 19 58 | 0 7 | 15 44 | 0 31 | 9 53 | 17 3 | 10 8 | 9 39 | 6 20 | 15 25 | 2 53 |
| F 30 | 22 40 | 15 23 | 5 7 | 24 52 | 1 29 | 23 40 | 0 8 | 5 46 | 0 27 | 15 44 | 1 1 | 22 16 | 1 1 | 19 57 | 0 7 | 15 44 | 0 31 | 9 53 | 17 3 | 10 10 | 9 40 | 6 22 | 15 25 | 2 53 |
| S 31 | 22s33 | 17n43 | 5s 1 | 24s51 | 1s34 | 23s41 | 0s10 | 6n 0 | 0n28 | 15s47 | 1n 1 | 22s17 | 1n 1 | 19n57 | 0s 7 | 15n45 | 0n31 | 9s52 | 17s 2 | 10n13 | 9n42 | 6s24 | 15n25 | 2s53 |

Julian Day Number = 2124628.5, Delta T = 17m27s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'43, Lahiri = 11°22'44 Julian Calendar 1 Dec. 1104 == Greg. Calendar 8 Dec. 1104


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## JANUARY 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 6 40 | 17♉19'29 | 29♊13 | 9♉54 | 4♉25 | 14♈38 | 16♏21 | 22♐ 0 | 29°R 6 | 18°R49 | 14♈44 | 3°R30 | 5♍ 1 | 26♎14 | 21°R22 | S 1 |
| M 2 | 7 10 36 | 18°20'33 | 13♋12 | 11°31 | 5°40 | 15°12 | 16°30 | 22° 6 | 29♉ 5 | 18♌48 | 14°44 | 3♍23 | 4°58 | 26°20 | 21♉21 | M 2 |
| T 3 | 7 14 33 | 19°21'35 | 26°54 | 13° 9 | 6°55 | 15°47 | 16°40 | 22°13 | 29° 3 | 18°47 | 14°44 | 3°16 | 4°55 | 26°27 | 21°20 | T 3 |
| W 4 | 7 18 29 | 20°22'36 | 10♌16 | 14°47 | 8°11 | 16°22 | 16°49 | 22°19 | 29° 2 | 18°45 | 14°45 | 3°12 | 4°52 | 26°34 | 21°18 | W 4 |
| T 5 | 7 22 26 | 21°23'37 | 23°17 | 16°25 | 9°26 | 16°57 | 16°58 | 22°26 | 29° 1 | 18°44 | 14°45 | 3° 9 | 4°49 | 26°40 | 21°17 | T 5 |
| F 6 | 7 26 22 | 22°24'37 | 5♍57 | 18° 5 | 10°41 | 17°32 | 17° 6 | 22°32 | 29° 0 | 18°42 | 14°45 | 3°D 9 | 4°46 | 26°47 | 21°16 | F 6 |
| S 7 | 7 30 19 | 23°25'36 | 18°19 | 19°45 | 11°56 | 18° 6 | 17°15 | 22°39 | 28°58 | 18°41 | 14°46 | 3°10 | 4°42 | 26°54 | 21°15 | S 7 |
| S 8 | 7 34 16 | 24°26'35 | 0♎27 | 21°25 | 13°12 | 18°42 | 17°24 | 22°45 | 28°57 | 18°39 | 14°46 | 3°12 | 4°39 | 27° 0 | 21°14 | S 8 |
| M 9 | 7 38 12 | 25°27'32 | 12°24 | 23° 7 | 14°27 | 19°17 | 17°32 | 22°51 | 28°56 | 18°38 | 14°46 | 3°13 | 4°36 | 27° 7 | 21°13 | M 9 |
| T 10 | 7 42 9 | 26°28'29 | 24°15 | 24°49 | 15°42 | 19°52 | 17°41 | 22°58 | 28°55 | 18°36 | 14°47 | 3°R14 | 4°33 | 27°14 | 21°12 | T 10 |
| W11 | 7 46 5 | 27°29'25 | 6♏ 6 | 26°32 | 16°57 | 20°27 | 17°49 | 23° 4 | 28°54 | 18°35 | 14°47 | 3°14 | 4°30 | 27°21 | 21°11 | W11 |
| T 12 | 7 50 2 | 28°30'21 | 18° 2 | 28°15 | 18°13 | 21° 2 | 17°57 | 23°10 | 28°53 | 18°33 | 14°48 | 3°12 | 4°27 | 27°27 | 21°10 | T 12 |
| F 13 | 7 53 58 | 29°31'15 | 0♐ 6 | 29°59 | 19°28 | 21°38 | 18° 5 | 23°16 | 28°52 | 18°32 | 14°48 | 3° 8 | 4°23 | 27°34 | 21°10 | F 13 |
| S 14 | 7 57 55 | 0♒32'09 | 12°25 | 1♒44 | 20°43 | 22°13 | 18°13 | 23°23 | 28°51 | 18°30 | 14°49 | 3° 3 | 4°20 | 27°41 | 21° 9 | S 14 |
| S 15 | 8 1 51 | 1°33'02 | 24°59 | 3°29 | 21°58 | 22°49 | 18°20 | 23°29 | 28°50 | 18°28 | 14°49 | 2°58 | 4°17 | 27°47 | 21° 8 | S 15 |
| M16 | 8 5 48 | 2°33'53 | 7♉52 | 5°15 | 23°14 | 23°25 | 18°28 | 23°35 | 28°50 | 18°27 | 14°50 | 2°52 | 4°14 | 27°54 | 21° 8 | M16 |
| T 17 | 8 9 45 | 3°34'44 | 21° 3 | 7° 2 | 24°29 | 24° 0 | 18°35 | 23°41 | 28°49 | 18°25 | 14°50 | 2°48 | 4°11 | 28° 1 | 21° 8 | T 17 |
| W18 | 8 13 41 | 4°35'33 | 4♒31 | 8°49 | 25°44 | 24°36 | 18°43 | 23°47 | 28°48 | 18°24 | 14°51 | 2°44 | 4° 7 | 28° 7 | 21° 7 | W18 |
| T 19 | 8 17 38 | 5°36'21 | 18°15 | 10°37 | 26°59 | 25°12 | 18°50 | 23°52 | 28°48 | 18°22 | 14°51 | 2°42 | 4° 4 | 28°14 | 21° 7 | T 19 |
| F 20 | 8 21 34 | 6°37'07 | 2♓12 | 12°26 | 28°14 | 25°48 | 18°57 | 23°58 | 28°47 | 18°20 | 14°52 | 2°D41 | 4° 1 | 28°21 | 21° 7 | F 20 |
| S 21 | 8 25 31 | 7°37'52 | 16°17 | 14°15 | 29°29 | 26°23 | 19° 4 | 24° 4 | 28°47 | 18°19 | 14°53 | 2°41 | 3°58 | 28°28 | 21° 7 | S 21 |
| S 22 | 8 29 27 | 8°38'36 | 0♈28 | 16° 4 | 0♒45 | 26°59 | 19°10 | 24°10 | 28°46 | 18°17 | 14°53 | 2°43 | 3°55 | 28°34 | 21°D 7 | S 22 |
| M23 | 8 33 24 | 9°39'17 | 14°41 | 17°53 | 2° 0 | 27°35 | 19°17 | 24°15 | 28°46 | 18°15 | 14°54 | 2°44 | 3°52 | 28°41 | 21° 7 | M23 |
| T 24 | 8 37 20 | 10°39'57 | 28°55 | 19°43 | 3°15 | 28°11 | 19°23 | 24°21 | 28°46 | 18°14 | 14°55 | 2°45 | 3°48 | 28°48 | 21° 7 | T 24 |
| W25 | 8 41 17 | 11°40'35 | 13♉ 5 | 21°32 | 4°30 | 28°48 | 19°30 | 24°27 | 28°45 | 18°12 | 14°55 | 2°R46 | 3°45 | 28°54 | 21° 7 | W25 |
| T 26 | 8 45 14 | 12°41'12 | 27°12 | 23°21 | 5°45 | 29°24 | 19°36 | 24°32 | 28°45 | 18°10 | 14°56 | 2°45 | 3°42 | 29° 1 | 21° 7 | T 26 |
| F 27 | 8 49 10 | 13°41'46 | 11♊12 | 25°10 | 7° 0 | 29°59 | 19°42 | 24°38 | 28°45 | 18° 9 | 14°57 | 2°44 | 3°39 | 29° 8 | 21° 7 | F 27 |
| S 28 | 8 53 7 | 14°42'19 | 25° 4 | 26°58 | 8°15 | 0♉36 | 19°48 | 24°43 | 28°45 | 18° 7 | 14°57 | 2°41 | 3°36 | 29°14 | 21° 8 | S 28 |
| S 29 | 8 57 3 | 15°42'50 | 8♋46 | 28°44 | 9°30 | 1°12 | 19°53 | 24°48 | 28°45 | 18° 5 | 14°58 | 2°39 | 3°33 | 29°21 | 21° 8 | S 29 |
| M30 | 9 1 0 | 16°43'19 | 22°16 | 0♓30 | 10°45 | 1°49 | 19°59 | 24°53 | 28°D45 | 18° 4 | 14°59 | 2°37 | 3°29 | 29°28 | 21° 9 | M30 |
| T 31 | 9 4 56 | 17♒43'46 | 5♌32 | 2♓13 | 12♒ 0 | 2♉25 | 20♏ 4 | 24♐59 | 28♉45 | 18♌ 2 | 15♈ 0 | 2♍35 | 3♍26 | 29♎35 | 21♉ 9 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s25 | 18n56 | 4s37 | 24s49 | 1s38 | 23s41 | 0s13 | 6n15 | 0n30 | 15s50 | 1n 1 | 22s17 | 1n 1 | 19n57 | 0s 7 | 15n45 | 0n31 | 9s52 | 17s 2 | 10n16 | 9n43 | 6s26 | 15n24 | 2s53 |
| M 2 | 22 17 | 18 58 | 3 57 | 24 45 | 1 42 | 23 41 | 0 15 | 6 29 | 0 31 | 15 52 | 1 1 | 22 18 | 1 1 | 19 56 | 0 7 | 15 45 | 0 31 | 9 52 | 17 2 | 10 19 | 9 44 | 6 28 | 15 24 | 2 53 |
| T 3 | 22 9 | 17 53 | 3 3 | 24 39 | 1 46 | 23 40 | 0 18 | 6 44 | 0 32 | 15 55 | 1 1 | 22 18 | 1 1 | 19 56 | 0 7 | 15 46 | 0 31 | 9 51 | 17 1 | 10 21 | 9 45 | 6 30 | 15 24 | 2 53 |
| W 4 | 22 0 | 15 49 | 2 1 | 24 32 | 1 49 | 23 38 | 0 20 | 6 58 | 0 33 | 15 57 | 1 2 | 22 19 | 1 1 | 19 56 | 0 7 | 15 46 | 0 31 | 9 51 | 17 1 | 10 23 | 9 46 | 6 31 | 15 24 | 2 53 |
| T 5 | 21 51 | 12 59 | 0 53 | 24 23 | 1 52 | 23 35 | 0 22 | 7 12 | 0 34 | 16 0 | 1 2 | 22 19 | 1 1 | 19 55 | 0 7 | 15 47 | 0 31 | 9 50 | 17 1 | 10 24 | 9 47 | 6 33 | 15 23 | 2 53 |
| F 6 | 21 41 | 9 36 | 0n15 | 24 13 | 1 55 | 23 32 | 0 25 | 7 27 | 0 35 | 16 2 | 1 2 | 22 19 | 1 1 | 19 55 | 0 7 | 15 47 | 0 31 | 9 50 | 17 0 | 10 24 | 9 49 | 6 35 | 15 23 | 2 53 |
| S 7 | 21 31 | 5 53 | 1 22 | 24 1 | 1 57 | 23 28 | 0 27 | 7 41 | 0 35 | 16 5 | 1 2 | 22 20 | 1 1 | 19 55 | 0 7 | 15 48 | 0 31 | 9 49 | 17 0 | 10 24 | 9 50 | 6 37 | 15 23 | 2 52 |
| S 8 | 21 20 | 2 0 | 2 23 | 23 48 | 1 59 | 23 23 | 0 29 | 7 55 | 0 36 | 16 7 | 1 2 | 22 20 | 1 1 | 19 55 | 0 7 | 15 48 | 0 31 | 9 49 | 16 59 | 10 23 | 9 51 | 6 39 | 15 23 | 2 52 |
| M 9 | 21 9 | 1s54 | 3 17 | 23 33 | 2 1 | 23 17 | 0 32 | 8 9 | 0 37 | 16 9 | 1 2 | 22 20 | 1 1 | 19 55 | 0 7 | 15 49 | 0 31 | 9 48 | 16 59 | 10 22 | 9 52 | 6 41 | 15 23 | 2 52 |
| T 10 | 20 57 | 5 41 | 4 3 | 23 16 | 2 2 | 23 11 | 0 34 | 8 24 | 0 38 | 16 11 | 1 2 | 22 21 | 1 1 | 19 54 | 0 7 | 15 49 | 0 31 | 9 48 | 16 59 | 10 22 | 9 53 | 6 43 | 15 22 | 2 52 |
| W11 | 20 46 | 9 15 | 4 38 | 22 58 | 2 3 | 23 4 | 0 36 | 8 38 | 0 39 | 16 14 | 1 2 | 22 21 | 1 1 | 19 54 | 0 7 | 15 50 | 0 32 | 9 48 | 16 58 | 10 22 | 9 54 | 6 45 | 15 22 | 2 52 |
| T 12 | 20 33 | 12 28 | 5 1 | 22 38 | 2 4 | 22 56 | 0 38 | 8 52 | 0 40 | 16 16 | 1 2 | 22 21 | 1 1 | 19 54 | 0 7 | 15 50 | 0 32 | 9 47 | 16 58 | 10 23 | 9 56 | 6 47 | 15 22 | 2 52 |
| F 13 | 20 21 | 15 12 | 5 11 | 22 16 | 2 4 | 22 48 | 0 40 | 9 6 | 0 41 | 16 18 | 1 2 | 22 22 | 1 1 | 19 54 | 0 7 | 15 51 | 0 32 | 9 47 | 16 58 | 10 24 | 9 57 | 6 48 | 15 22 | 2 52 |
| S 14 | 20 8 | 17 18 | 5 8 | 21 52 | 2 3 | 22 39 | 0 42 | 9 20 | 0 42 | 16 20 | 1 3 | 22 22 | 1 1 | 19 54 | 0 7 | 15 51 | 0 32 | 9 46 | 16 57 | 10 26 | 9 58 | 6 50 | 15 22 | 2 52 |
| S 15 | 19 55 | 18 38 | 4 49 | 21 27 | 2 2 | 22 29 | 0 44 | 9 34 | 0 42 | 16 22 | 1 3 | 22 22 | 1 1 | 19 53 | 0 7 | 15 52 | 0 32 | 9 46 | 16 57 | 10 28 | 9 59 | 6 52 | 15 22 | 2 52 |
| M16 | 19 41 | 19 3 | 4 16 | 21 0 | 2 1 | 22 18 | 0 46 | 9 48 | 0 43 | 16 24 | 1 3 | 22 23 | 1 1 | 19 53 | 0 7 | 15 52 | 0 32 | 9 45 | 16 57 | 10 30 | 10 0 | 6 54 | 15 22 | 2 52 |
| T 17 | 19 27 | 18 28 | 3 29 | 20 31 | 1 59 | 22 7 | 0 48 | 10 2 | 0 44 | 16 26 | 1 3 | 22 23 | 1 1 | 19 53 | 0 6 | 15 53 | 0 32 | 9 44 | 16 56 | 10 32 | 10 1 | 6 56 | 15 22 | 2 52 |
| W18 | 19 12 | 16 49 | 2 28 | 20 1 | 1 57 | 21 55 | 0 50 | 10 16 | 0 45 | 16 28 | 1 3 | 22 23 | 1 1 | 19 53 | 0 6 | 15 53 | 0 32 | 9 44 | 16 56 | 10 33 | 10 3 | 6 58 | 15 22 | 2 51 |
| T 19 | 18 58 | 14 11 | 1 18 | 19 29 | 1 54 | 21 43 | 0 52 | 10 30 | 0 46 | 16 30 | 1 3 | 22 24 | 1 1 | 19 53 | 0 6 | 15 54 | 0 32 | 9 43 | 16 56 | 10 34 | 10 4 | 7 0 | 15 22 | 2 51 |
| F 20 | 18 42 | 10 42 | 0 3 | 18 55 | 1 51 | 21 30 | 0 54 | 10 44 | 0 46 | 16 32 | 1 3 | 22 24 | 1 1 | 19 53 | 0 6 | 15 54 | 0 32 | 9 43 | 16 55 | 10 34 | 10 5 | 7 2 | 15 22 | 2 51 |
| S 21 | 18 27 | 6 34 | 1s14 | 18 20 | 1 47 | 21 16 | 0 56 | 10 58 | 0 47 | 16 33 | 1 3 | 22 24 | 1 1 | 19 53 | 0 6 | 15 55 | 0 32 | 9 42 | 16 55 | 10 34 | 10 6 | 7 4 | 15 22 | 2 51 |
| S 22 | 18 11 | 2 4 | 2 27 | 17 43 | 1 42 | 21 2 | 0 58 | 11 11 | 0 48 | 16 35 | 1 3 | 22 24 | 1 1 | 19 53 | 0 6 | 15 55 | 0 32 | 9 42 | 16 55 | 10 33 | 10 7 | 7 5 | 15 22 | 2 51 |
| M23 | 17 55 | 2n34 | 3 31 | 17 5 | 1 37 | 20 47 | 1 0 | 11 25 | 0 48 | 16 37 | 1 4 | 22 25 | 1 1 | 19 52 | 0 6 | 15 56 | 0 32 | 9 41 | 16 54 | 10 33 | 10 8 | 7 7 | 15 22 | 2 51 |
| T 24 | 17 39 | 7 3 | 4 22 | 16 25 | 1 31 | 20 31 | 1 1 | 11 39 | 0 49 | 16 38 | 1 4 | 22 25 | 1 1 | 19 52 | 0 6 | 15 56 | 0 32 | 9 41 | 16 54 | 10 32 | 10 10 | 7 9 | 15 22 | 2 51 |
| W25 | 17 22 | 11 7 | 4 57 | 15 43 | 1 24 | 20 15 | 1 3 | 11 52 | 0 50 | 16 40 | 1 4 | 22 25 | 1 1 | 19 52 | 0 6 | 15 57 | 0 32 | 9 40 | 16 54 | 10 32 | 10 11 | 7 11 | 15 23 | 2 51 |
| T 26 | 17 5 | 14 32 | 5 14 | 15 1 | 1 17 | 19 58 | 1 4 | 12 6 | 0 50 | 16 41 | 1 4 | 22 25 | 1 1 | 19 52 | 0 6 | 15 57 | 0 32 | 9 40 | 16 53 | 10 32 | 10 12 | 7 13 | 15 23 | 2 51 |
| F 27 | 16 48 | 17 5 | 5 12 | 14 17 | 1 9 | 19 40 | 1 6 | 12 19 | 0 51 | 16 43 | 1 4 | 22 26 | 1 1 | 19 52 | 0 6 | 15 58 | 0 32 | 9 39 | 16 53 | 10 33 | 10 13 | 7 15 | 15 23 | 2 51 |
| S 28 | 16 30 | 18 36 | 4 52 | 13 32 | 1 0 | 19 22 | 1 7 | 12 33 | 0 52 | 16 44 | 1 4 | 22 26 | 1 1 | 19 52 | 0 6 | 15 59 | 0 32 | 9 38 | 16 53 | 10 34 | 10 14 | 7 17 | 15 23 | 2 50 |
| S 29 | 16 12 | 19 1 | 4 15 | 12 46 | 0 51 | 19 4 | 1 9 | 12 46 | 0 52 | 16 46 | 1 4 | 22 26 | 1 1 | 19 52 | 0 6 | 15 59 | 0 32 | 9 38 | 16 52 | 10 35 | 10 15 | 7 19 | 15 23 | 2 50 |
| M30 | 15 54 | 18 20 | 3 25 | 11 59 | 0 41 | 18 45 | 1 10 | 12 59 | 0 53 | 16 47 | 1 4 | 22 26 | 1 1 | 19 52 | 0 6 | 16 0 | 0 32 | 9 37 | 16 52 | 10 36 | 10 16 | 7 20 | 15 24 | 2 50 |
| T 31 | 15s36 | 16n39 | 2s24 | 11s12 | 0s30 | 18s25 | 1s12 | 13n12 | 0n54 | 16s48 | 1n 5 | 22s26 | 1n 1 | 19n52 | 0s 6 | 16n 0 | 0n32 | 9s37 | 16s52 | 10n36 | 10n18 | 7s22 | 15n24 | 2s50 |

Julian Day Number = 2124659.5, Delta T = 17m26s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'48, Lahiri = 11°22'48 Julian Calendar 1 Jan. 1105 == Greg. Calendar 8 Jan. 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## FEBRUARY 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 8 53 | 18♒44'12 | 18♌34 | 3♓54 | 13♒15 | 3♉ 1 | 20♏ 9 | 25♐ 4 | 28♉45 | 18°R 0 | 15♈ 1 | 2°R34 | 3♍23 | 29♎41 | 21♉10 | W 1 |
| T 2 | 9 12 49 | 19°44'36 | 1♍20 | 5°32 | 14°30 | 3°38 | 20°14 | 25° 9 | 28°45 | 17♌59 | 15° 2 | 2°D33 | 3°20 | 29°48 | 21°11 | T 2 |
| F 3 | 9 16 46 | 20°44'58 | 13°51 | 7° 7 | 15°45 | 4°14 | 20°19 | 25°14 | 28°45 | 17°57 | 15° 2 | 2♍33 | 3°17 | 29°55 | 21°12 | F 3 |
| S 4 | 9 20 43 | 21°45'18 | 26° 9 | 8°38 | 17° 0 | 4°51 | 20°24 | 25°19 | 28°45 | 17°55 | 15° 3 | 2°34 | 3°13 | 0♏ 1 | 21°12 | S 4 |
| S 5 | 9 24 39 | 22°45'37 | 8♎15 | 10° 5 | 18°15 | 5°27 | 20°28 | 25°24 | 28°46 | 17°54 | 15° 4 | 2°35 | 3°10 | 0° 8 | 21°13 | S 5 |
| M 6 | 9 28 36 | 23°45'55 | 20°12 | 11°26 | 19°30 | 6° 4 | 20°32 | 25°28 | 28°46 | 17°52 | 15° 5 | 2°36 | 3° 7 | 0°15 | 21°14 | M 6 |
| T 7 | 9 32 32 | 24°46'10 | 2♏ 4 | 12°41 | 20°45 | 6°40 | 20°37 | 25°33 | 28°46 | 17°50 | 15° 6 | 2°37 | 3° 4 | 0°21 | 21°15 | T 7 |
| W 8 | 9 36 29 | 25°46'25 | 13°56 | 13°50 | 22° 0 | 7°17 | 20°41 | 25°38 | 28°47 | 17°49 | 15° 7 | 2°37 | 3° 1 | 0°28 | 21°17 | W 8 |
| T 9 | 9 40 25 | 26°46'37 | 25°51 | 14°52 | 23°15 | 7°54 | 20°44 | 25°42 | 28°47 | 17°47 | 15° 8 | 2°R38 | 2°58 | 0°35 | 21°18 | T 9 |
| F 10 | 9 44 22 | 27°46'49 | 7♐55 | 15°47 | 24°30 | 8°30 | 20°48 | 25°47 | 28°48 | 17°45 | 15° 9 | 2°38 | 2°54 | 0°42 | 21°19 | F 10 |
| S 11 | 9 48 18 | 28°46'58 | 20°12 | 16°33 | 25°45 | 9° 7 | 20°52 | 25°51 | 28°49 | 17°44 | 15°10 | 2°37 | 2°51 | 0°48 | 21°20 | S 11 |
| S 12 | 9 52 15 | 29°47'06 | 2♑47 | 17°11 | 27° 0 | 9°44 | 20°55 | 25°56 | 28°49 | 17°42 | 15°11 | 2°37 | 2°48 | 0°55 | 21°22 | S 12 |
| M13 | 9 56 12 | 0♓47'13 | 15°42 | 17°41 | 28°15 | 10°20 | 20°58 | 26° 0 | 28°50 | 17°40 | 15°12 | 2°37 | 2°45 | 1° 2 | 21°23 | M13 |
| T 14 | 10 0 8 | 1°47'17 | 29° 0 | 18° 1 | 29°30 | 10°57 | 21° 1 | 26° 4 | 28°51 | 17°39 | 15°13 | 2°37 | 2°42 | 1° 8 | 21°25 | T 14 |
| W15 | 10 4 5 | 2°47'20 | 12♒41 | 18°12 | 0♓45 | 11°34 | 21° 4 | 26° 8 | 28°52 | 17°37 | 15°14 | 2°D37 | 2°39 | 1°15 | 21°27 | W15 |
| T 16 | 10 8 1 | 3°47'21 | 26°43 | 18°R14 | 2° 0 | 12°11 | 21° 6 | 26°12 | 28°52 | 17°36 | 15°15 | 2°R37 | 2°35 | 1°22 | 21°28 | T 16 |
| F 17 | 10 11 58 | 4°47'20 | 11♓ 3 | 18° 6 | 3°14 | 12°48 | 21° 9 | 26°16 | 28°53 | 17°34 | 15°16 | 2°37 | 2°32 | 1°28 | 21°30 | F 17 |
| S 18 | 10 15 54 | 5°47'18 | 25°37 | 17°50 | 4°29 | 13°24 | 21°11 | 26°20 | 28°54 | 17°32 | 15°17 | 2°36 | 2°29 | 1°35 | 21°32 | S 18 |
| S 19 | 10 19 51 | 6°47'12 | 10♈17 | 17°26 | 5°44 | 14° 1 | 21°13 | 26°24 | 28°55 | 17°31 | 15°19 | 2°36 | 2°26 | 1°42 | 21°34 | S 19 |
| M20 | 10 23 47 | 7°47'05 | 24°57 | 16°55 | 6°59 | 14°38 | 21°15 | 26°27 | 28°56 | 17°29 | 15°20 | 2°35 | 2°23 | 1°49 | 21°36 | M20 |
| T 21 | 10 27 44 | 8°46'56 | 9♉31 | 16°16 | 8°14 | 15°15 | 21°16 | 26°31 | 28°58 | 17°28 | 15°21 | 2°35 | 2°19 | 1°55 | 21°38 | T 21 |
| W22 | 10 31 41 | 9°46'44 | 23°55 | 15°32 | 9°28 | 15°52 | 21°18 | 26°35 | 28°59 | 17°26 | 15°22 | 2°34 | 2°16 | 2° 2 | 21°40 | W22 |
| T 23 | 10 35 37 | 10°46'30 | 8♊ 4 | 14°43 | 10°43 | 16°29 | 21°19 | 26°38 | 29° 0 | 17°25 | 15°23 | 2°D34 | 2°13 | 2° 9 | 21°42 | T 23 |
| F 24 | 10 39 34 | 11°46'14 | 21°57 | 13°50 | 11°58 | 17° 6 | 21°20 | 26°41 | 29° 1 | 17°23 | 15°24 | 2°34 | 2°10 | 2°15 | 21°44 | F 24 |
| S 25 | 10 43 30 | 12°45'55 | 5♋34 | 12°55 | 13°13 | 17°43 | 21°21 | 26°45 | 29° 3 | 17°22 | 15°26 | 2°35 | 2° 7 | 2°22 | 21°46 | S 25 |
| S 26 | 10 47 27 | 13°45'35 | 18°55 | 11°59 | 14°27 | 18°20 | 21°22 | 26°48 | 29° 4 | 17°20 | 15°27 | 2°36 | 2° 4 | 2°29 | 21°49 | S 26 |
| M27 | 10 51 23 | 14°45'11 | 2♌ 1 | 11° 3 | 15°42 | 18°57 | 21°22 | 26°51 | 29° 5 | 17°19 | 15°28 | 2°37 | 2° 0 | 2°35 | 21°51 | M27 |
| T 28 | 10 55 20 | 15♓44'46 | 14♌53 | 10♓ 8 | 16♓57 | 19♉34 | 21♏23 | 26♐54 | 29♉ 7 | 17♌17 | 15♈29 | 2♍38 | 1♍57 | 2♏42 | 21♉53 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 15s17 | 14n 7 | 1s17 | 10s25 | 0s19 | 18s 5 | 1s13 | 13n26 | 0n54 | 16s50 | 1n 5 | 22s27 | 1n 1 | 19n52 | 0s 6 | 16n 1 | 0n32 | 9s36 | 16s51 | 10n37 | 10n19 | 7s24 | 15n24 | 2s50 | W 1 |
| T 2 | 14 58 | 10 57 | 0 7 | 9 38 | 0 7 | 17 44 | 1 14 | 13 39 | 0 55 | 16 51 | 1 5 | 22 27 | 1 1 | 19 52 | 0 6 | 16 1 | 0 32 | 9 35 | 16 51 | 10 37 | 10 20 | 7 26 | 15 24 | 2 50 | T 2 |
| F 3 | 14 39 | 7 20 | 1n 2 | 8 51 | 0n 6 | 17 23 | 1 15 | 13 52 | 0 55 | 16 52 | 1 5 | 22 27 | 1 1 | 19 52 | 0 6 | 16 2 | 0 32 | 9 35 | 16 51 | 10 37 | 10 21 | 7 28 | 15 25 | 2 50 | F 3 |
| S 4 | 14 19 | 3 29 | 2 7 | 8 4 | 0 19 | 17 1 | 1 16 | 14 4 | 0 56 | 16 53 | 1 5 | 22 27 | 1 1 | 19 53 | 0 6 | 16 2 | 0 32 | 9 34 | 16 51 | 10 36 | 10 22 | 7 30 | 15 25 | 2 50 | S 4 |
| S 5 | 14 0 | 0s27 | 3 5 | 7 19 | 0 33 | 16 39 | 1 17 | 14 17 | 0 56 | 16 54 | 1 5 | 22 27 | 1 1 | 19 53 | 0 6 | 16 3 | 0 32 | 9 34 | 16 50 | 10 36 | 10 23 | 7 32 | 15 25 | 2 50 | S 5 |
| M 6 | 13 40 | 4 19 | 3 55 | 6 35 | 0 47 | 16 17 | 1 18 | 14 30 | 0 57 | 16 55 | 1 5 | 22 27 | 1 1 | 19 53 | 0 6 | 16 3 | 0 32 | 9 33 | 16 50 | 10 36 | 10 25 | 7 34 | 15 26 | 2 50 | M 6 |
| T 7 | 13 20 | 7 58 | 4 33 | 5 53 | 1 2 | 15 54 | 1 19 | 14 43 | 0 57 | 16 56 | 1 5 | 22 27 | 1 1 | 19 53 | 0 6 | 16 4 | 0 32 | 9 32 | 16 50 | 10 35 | 10 26 | 7 36 | 15 26 | 2 49 | T 7 |
| W 8 | 12 59 | 11 19 | 5 1 | 5 13 | 1 16 | 15 30 | 1 20 | 14 55 | 0 58 | 16 57 | 1 6 | 22 28 | 1 1 | 19 53 | 0 6 | 16 4 | 0 32 | 9 32 | 16 49 | 10 35 | 10 27 | 7 37 | 15 26 | 2 49 | W 8 |
| T 9 | 12 39 | 14 12 | 5 15 | 4 35 | 1 31 | 15 6 | 1 21 | 15 8 | 0 58 | 16 58 | 1 6 | 22 28 | 1 1 | 19 53 | 0 6 | 16 5 | 0 32 | 9 31 | 16 49 | 10 35 | 10 28 | 7 39 | 15 27 | 2 49 | T 9 |
| F 10 | 12 18 | 16 32 | 5 16 | 4 0 | 1 46 | 14 42 | 1 22 | 15 20 | 0 59 | 16 59 | 1 6 | 22 28 | 1 1 | 19 53 | 0 6 | 16 5 | 0 32 | 9 31 | 16 49 | 10 35 | 10 29 | 7 41 | 15 27 | 2 49 | F 10 |
| S 11 | 11 57 | 18 10 | 5 3 | 3 29 | 2 1 | 14 17 | 1 22 | 15 32 | 0 59 | 17 0 | 1 6 | 22 28 | 1 1 | 19 53 | 0 6 | 16 6 | 0 32 | 9 30 | 16 49 | 10 35 | 10 30 | 7 43 | 15 28 | 2 49 | S 11 |
| S 12 | 11 36 | 18 57 | 4 35 | 3 1 | 2 15 | 13 52 | 1 23 | 15 45 | 1 0 | 17 0 | 1 6 | 22 28 | 1 1 | 19 54 | 0 6 | 16 6 | 0 32 | 9 29 | 16 48 | 10 35 | 10 31 | 7 45 | 15 28 | 2 49 | S 12 |
| M13 | 11 15 | 18 47 | 3 52 | 2 37 | 2 29 | 13 27 | 1 24 | 15 57 | 1 0 | 17 1 | 1 6 | 22 28 | 1 1 | 19 54 | 0 6 | 16 7 | 0 32 | 9 29 | 16 48 | 10 36 | 10 33 | 7 47 | 15 29 | 2 49 | M13 |
| T 14 | 10 53 | 17 35 | 2 56 | 2 17 | 2 42 | 13 1 | 1 24 | 16 9 | 1 1 | 17 2 | 1 6 | 22 28 | 1 1 | 19 54 | 0 6 | 16 7 | 0 32 | 9 28 | 16 48 | 10 36 | 10 34 | 7 49 | 15 29 | 2 49 | T 14 |
| W15 | 10 32 | 15 21 | 1 48 | 2 1 | 2 54 | 12 35 | 1 25 | 16 21 | 1 1 | 17 2 | 1 6 | 22 28 | 1 1 | 19 54 | 0 6 | 16 8 | 0 32 | 9 27 | 16 48 | 10 36 | 10 35 | 7 51 | 15 30 | 2 49 | W15 |
| T 16 | 10 10 | 12 9 | 0 33 | 1 50 | 3 5 | 12 8 | 1 25 | 16 33 | 1 2 | 17 3 | 1 7 | 22 29 | 1 1 | 19 54 | 0 6 | 16 8 | 0 32 | 9 27 | 16 47 | 10 36 | 10 36 | 7 52 | 15 30 | 2 49 | T 16 |
| F 17 | 9 48 | 8 10 | 0s47 | 1 44 | 3 15 | 11 41 | 1 25 | 16 44 | 1 2 | 17 3 | 1 7 | 22 29 | 1 1 | 19 54 | 0 6 | 16 9 | 0 32 | 9 26 | 16 47 | 10 36 | 10 37 | 7 54 | 15 31 | 2 48 | F 17 |
| S 18 | 9 26 | 3 39 | 2 4 | 1 42 | 3 24 | 11 14 | 1 25 | 16 56 | 1 3 | 17 4 | 1 7 | 22 29 | 1 1 | 19 55 | 0 6 | 16 9 | 0 32 | 9 26 | 16 47 | 10 36 | 10 38 | 7 56 | 15 31 | 2 48 | S 18 |
| S 19 | 9 4 | 1n 7 | 3 14 | 1 45 | 3 31 | 10 47 | 1 26 | 17 7 | 1 3 | 17 4 | 1 7 | 22 29 | 1 1 | 19 55 | 0 6 | 16 10 | 0 32 | 9 25 | 16 47 | 10 36 | 10 39 | 7 58 | 15 32 | 2 48 | S 19 |
| M20 | 8 41 | 5 48 | 4 11 | 1 52 | 3 36 | 10 19 | 1 26 | 17 19 | 1 3 | 17 5 | 1 7 | 22 29 | 1 1 | 19 55 | 0 6 | 16 10 | 0 32 | 9 24 | 16 46 | 10 36 | 10 41 | 8 0 | 15 33 | 2 48 | M20 |
| T 21 | 8 19 | 10 7 | 4 52 | 2 4 | 3 40 | 9 51 | 1 26 | 17 30 | 1 4 | 17 5 | 1 7 | 22 29 | 1 2 | 19 55 | 0 6 | 16 11 | 0 32 | 9 24 | 16 46 | 10 36 | 10 42 | 8 2 | 15 33 | 2 48 | T 21 |
| W22 | 7 56 | 13 46 | 5 14 | 2 20 | 3 41 | 9 23 | 1 26 | 17 41 | 1 4 | 17 5 | 1 7 | 22 29 | 1 2 | 19 56 | 0 6 | 16 11 | 0 32 | 9 23 | 16 46 | 10 36 | 10 43 | 8 4 | 15 34 | 2 48 | W22 |
| T 23 | 7 34 | 16 34 | 5 16 | 2 39 | 3 41 | 8 54 | 1 26 | 17 52 | 1 5 | 17 5 | 1 7 | 22 29 | 1 2 | 19 56 | 0 6 | 16 12 | 0 32 | 9 22 | 16 46 | 10 36 | 10 44 | 8 5 | 15 34 | 2 48 | T 23 |
| F 24 | 7 11 | 18 20 | 4 59 | 3 2 | 3 38 | 8 25 | 1 26 | 18 3 | 1 5 | 17 6 | 1 8 | 22 29 | 1 2 | 19 56 | 0 6 | 16 12 | 0 32 | 9 22 | 16 46 | 10 36 | 10 45 | 8 7 | 15 35 | 2 48 | F 24 |
| S 25 | 6 48 | 19 0 | 4 26 | 3 27 | 3 34 | 7 57 | 1 25 | 18 14 | 1 5 | 17 6 | 1 8 | 22 29 | 1 2 | 19 57 | 0 6 | 16 13 | 0 32 | 9 21 | 16 45 | 10 36 | 10 46 | 8 9 | 15 36 | 2 48 | S 25 |
| S 26 | 6 25 | 18 35 | 3 39 | 3 54 | 3 28 | 7 27 | 1 25 | 18 25 | 1 6 | 17 6 | 1 8 | 22 29 | 1 2 | 19 57 | 0 6 | 16 13 | 0 32 | 9 20 | 16 45 | 10 36 | 10 47 | 8 11 | 15 36 | 2 48 | S 26 |
| M27 | 6 2 | 17 11 | 2 42 | 4 23 | 3 20 | 6 58 | 1 25 | 18 36 | 1 6 | 17 6 | 1 8 | 22 29 | 1 2 | 19 57 | 0 6 | 16 14 | 0 32 | 9 20 | 16 45 | 10 36 | 10 49 | 8 13 | 15 37 | 2 48 | M27 |
| T 28 | 5s39 | 14n54 | 1s37 | 4s52 | 3n10 | 6s28 | 1s24 | 18n46 | 1n 6 | 17s 6 | 1n 8 | 22s29 | 1n 2 | 19n58 | 0s 6 | 16n14 | 0n32 | 9s19 | 16s45 | 10n35 | 10n50 | 8s15 | 15n38 | 2s47 | T 28 |

Julian Day Number = 2124690.5, Delta T = 17m26s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'52, Lahiri = 11°22'52 Julian Calendar 1 Feb. 1105 == Greg. Calendar 8 Feb. 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## MARCH 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 59 16 | 16♓44'18 | 27♌32 | 9°R15 | 18♓11 | 20♉11 | 21°R23 | 26♐57 | 29♉ 8 | 17°R16 | 15♈30 | 2°R38 | 1♍54 | 2♏49 | 21♉56 | W 1 |
| T 2 | 11 3 13 | 17°43'48 | 10♍ 0 | 8♓26 | 19°26 | 20°48 | 21♏23 | 27° 0 | 29°10 | 17♌14 | 15°32 | 2♍38 | 1°51 | 2°56 | 21°59 | T 2 |
| F 3 | 11 7 9 | 18°43'16 | 22°17 | 7°41 | 20°40 | 21°25 | 21°23 | 27° 3 | 29°12 | 17°13 | 15°33 | 2°37 | 1°48 | 3° 2 | 22° 1 | F 3 |
| S 4 | 11 11 6 | 19°42'42 | 4♎26 | 7° 0 | 21°55 | 22° 2 | 21°22 | 27° 5 | 29°13 | 17°12 | 15°34 | 2°36 | 1°44 | 3° 9 | 22° 4 | S 4 |
| S 5 | 11 15 3 | 20°42'06 | 16°26 | 6°25 | 23° 9 | 22°39 | 21°22 | 27° 8 | 29°15 | 17°10 | 15°35 | 2°33 | 1°41 | 3°16 | 22° 7 | S 5 |
| M 6 | 11 18 59 | 21°41'28 | 28°22 | 5°55 | 24°24 | 23°16 | 21°21 | 27°10 | 29°17 | 17° 9 | 15°37 | 2°30 | 1°38 | 3°22 | 22° 9 | M 6 |
| T 7 | 11 22 56 | 22°40'48 | 10♏14 | 5°31 | 25°39 | 23°54 | 21°20 | 27°13 | 29°19 | 17° 8 | 15°38 | 2°27 | 1°35 | 3°29 | 22°12 | T 7 |
| W 8 | 11 26 52 | 23°40'06 | 22° 5 | 5°12 | 26°53 | 24°31 | 21°19 | 27°15 | 29°20 | 17° 6 | 15°39 | 2°24 | 1°32 | 3°36 | 22°15 | W 8 |
| T 9 | 11 30 49 | 24°39'22 | 4♐ 0 | 5° 0 | 28° 8 | 25° 8 | 21°18 | 27°17 | 29°22 | 17° 5 | 15°41 | 2°21 | 1°29 | 3°43 | 22°18 | T 9 |
| F 10 | 11 34 45 | 25°38'37 | 16° 3 | 4°54 | 29°22 | 25°45 | 21°16 | 27°19 | 29°24 | 17° 4 | 15°42 | 2°20 | 1°25 | 3°49 | 22°21 | F 10 |
| S 11 | 11 38 42 | 26°37'49 | 28°17 | 4°D53 | 0♈36 | 26°22 | 21°14 | 27°21 | 29°26 | 17° 3 | 15°43 | 2°D20 | 1°22 | 3°56 | 22°24 | S 11 |
| S 12 | 11 42 38 | 27°37'00 | 10♑48 | 4°58 | 1°51 | 26°59 | 21°12 | 27°23 | 29°28 | 17° 1 | 15°45 | 2°20 | 1°19 | 4° 3 | 22°27 | S 12 |
| M13 | 11 46 35 | 28°36'09 | 23°39 | 5° 8 | 3° 5 | 27°36 | 21°10 | 27°25 | 29°30 | 17° 0 | 15°46 | 2°21 | 1°16 | 4° 9 | 22°30 | M13 |
| T 14 | 11 50 32 | 29°35'17 | 6♒54 | 5°23 | 4°20 | 28°14 | 21° 8 | 27°27 | 29°33 | 16°59 | 15°47 | 2°23 | 1°13 | 4°16 | 22°33 | T 14 |
| W15 | 11 54 28 | 0♈34'22 | 20°35 | 5°43 | 5°34 | 28°51 | 21° 6 | 27°29 | 29°35 | 16°58 | 15°49 | 2°24 | 1°10 | 4°23 | 22°37 | W15 |
| T 16 | 11 58 25 | 1°33'25 | 4♓43 | 6° 8 | 6°49 | 29°28 | 21° 3 | 27°30 | 29°37 | 16°57 | 15°50 | 2°R25 | 1° 6 | 4°29 | 22°40 | T 16 |
| F 17 | 12 2 21 | 2°32'27 | 19°15 | 6°38 | 8° 3 | 0♊ 5 | 21° 0 | 27°32 | 29°39 | 16°56 | 15°51 | 2°24 | 1° 3 | 4°36 | 22°43 | F 17 |
| S 18 | 12 6 18 | 3°31'26 | 4♈ 7 | 7°12 | 9°17 | 0°42 | 20°57 | 27°33 | 29°41 | 16°55 | 15°53 | 2°21 | 1° 0 | 4°43 | 22°47 | S 18 |
| S 19 | 12 10 14 | 4°30'24 | 19°10 | 7°49 | 10°32 | 1°20 | 20°54 | 27°34 | 29°44 | 16°54 | 15°54 | 2°18 | 0°57 | 4°50 | 22°50 | S 19 |
| M20 | 12 14 11 | 5°29'19 | 4♉16 | 8°31 | 11°46 | 1°57 | 20°51 | 27°35 | 29°46 | 16°53 | 15°55 | 2°13 | 0°54 | 4°56 | 22°54 | M20 |
| T 21 | 12 18 7 | 6°28'12 | 19°14 | 9°16 | 13° 0 | 2°34 | 20°47 | 27°36 | 29°48 | 16°52 | 15°57 | 2° 8 | 0°50 | 5° 3 | 22°57 | T 21 |
| W22 | 12 22 4 | 7°27'03 | 3♊57 | 10° 5 | 14°14 | 3°11 | 20°44 | 27°37 | 29°51 | 16°51 | 15°58 | 2° 4 | 0°47 | 5°10 | 23° 1 | W22 |
| T 23 | 12 26 1 | 8°25'52 | 18°19 | 10°57 | 15°29 | 3°48 | 20°40 | 27°38 | 29°53 | 16°50 | 16° 0 | 2° 1 | 0°44 | 5°16 | 23° 4 | T 23 |
| F 24 | 12 29 57 | 9°24'38 | 2♋17 | 11°52 | 16°43 | 4°26 | 20°36 | 27°39 | 29°56 | 16°49 | 16° 1 | 1°59 | 0°41 | 5°23 | 23° 8 | F 24 |
| S 25 | 12 33 54 | 10°23'22 | 15°51 | 12°50 | 17°57 | 5° 3 | 20°32 | 27°40 | 29°58 | 16°48 | 16° 2 | 1°D59 | 0°38 | 5°30 | 23°12 | S 25 |
| S 26 | 12 37 50 | 11°22'04 | 29° 3 | 13°51 | 19°11 | 5°40 | 20°27 | 27°40 | 0♊ 1 | 16°47 | 16° 4 | 2° 0 | 0°35 | 5°37 | 23°15 | S 26 |
| M27 | 12 41 47 | 12°20'43 | 11♌55 | 14°55 | 20°25 | 6°17 | 20°23 | 27°41 | 0° 4 | 16°47 | 16° 5 | 2° 1 | 0°31 | 5°43 | 23°19 | M27 |
| T 28 | 12 45 43 | 13°19'20 | 24°31 | 16° 1 | 21°39 | 6°55 | 20°18 | 27°41 | 0° 6 | 16°46 | 16° 7 | 2° 3 | 0°28 | 5°50 | 23°23 | T 28 |
| W29 | 12 49 40 | 14°17'55 | 6♍54 | 17° 9 | 22°54 | 7°32 | 20°13 | 27°41 | 0° 9 | 16°45 | 16° 8 | 2°R 3 | 0°25 | 5°57 | 23°27 | W29 |
| T 30 | 12 53 36 | 15°16'28 | 19° 6 | 18°20 | 24° 8 | 8° 9 | 20° 8 | 27°42 | 0°12 | 16°44 | 16° 9 | 2° 1 | 0°22 | 6° 3 | 23°31 | T 30 |
| F 31 | 12 57 33 | 16♈14'59 | 1♎11 | 19♓34 | 25♈22 | 8♊46 | 20♏ 3 | 27°R42 | 0♊14 | 16♌44 | 16♈11 | 1♍58 | 0♍19 | 6♏10 | 23♉35 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 5s16 | 11n57 | 0s28 | 5s22 | 2n59 | 5s59 | 1s24 | 18n57 | 1n 7 | 17s 6 | 1n 8 | 22s29 | 1n 2 | 19n58 | 0s 6 | 16n15 | 0n32 | 9s19 | 16s45 | 10n35 | 10n51 | 8s17 | 15n38 | 2s47 | W 1 |
| T 2 | 4 52 | 8 29 | 0n41 | 5 52 | 2 47 | 5 29 | 1 23 | 19 7 | 1 7 | 17 6 | 1 8 | 22 29 | 1 2 | 19 58 | 0 6 | 16 15 | 0 32 | 9 18 | 16 44 | 10 35 | 10 52 | 8 19 | 15 39 | 2 47 | T 2 |
| F 3 | 4 29 | 4 42 | 1 47 | 6 21 | 2 34 | 4 59 | 1 23 | 19 17 | 1 7 | 17 5 | 1 9 | 22 29 | 1 2 | 19 59 | 0 6 | 16 15 | 0 32 | 9 17 | 16 44 | 10 35 | 10 53 | 8 20 | 15 40 | 2 47 | F 3 |
| S 4 | 4 6 | 0 47 | 2 47 | 6 49 | 2 20 | 4 29 | 1 22 | 19 27 | 1 8 | 17 5 | 1 9 | 22 29 | 1 2 | 19 59 | 0 6 | 16 16 | 0 32 | 9 17 | 16 44 | 10 36 | 10 54 | 8 22 | 15 41 | 2 47 | S 4 |
| S 5 | 3 42 | 3s 8 | 3 39 | 7 16 | 2 5 | 3 59 | 1 22 | 19 37 | 1 8 | 17 5 | 1 9 | 22 29 | 1 2 | 19 59 | 0 6 | 16 16 | 0 32 | 9 16 | 16 44 | 10 37 | 10 55 | 8 24 | 15 41 | 2 47 | S 5 |
| M 6 | 3 19 | 6 53 | 4 21 | 7 41 | 1 50 | 3 28 | 1 21 | 19 47 | 1 8 | 17 5 | 1 9 | 22 30 | 1 2 | 20 0 | 0 6 | 16 17 | 0 32 | 9 15 | 16 44 | 10 38 | 10 57 | 8 26 | 15 42 | 2 47 | M 6 |
| T 7 | 2 55 | 10 20 | 4 52 | 8 4 | 1 35 | 2 58 | 1 20 | 19 56 | 1 9 | 17 4 | 1 9 | 22 30 | 1 2 | 20 0 | 0 6 | 16 17 | 0 32 | 9 15 | 16 44 | 10 39 | 10 58 | 8 28 | 15 43 | 2 47 | T 7 |
| W 8 | 2 32 | 13 23 | 5 10 | 8 25 | 1 20 | 2 27 | 1 19 | 20 6 | 1 9 | 17 4 | 1 9 | 22 30 | 1 2 | 20 1 | 0 6 | 16 17 | 0 32 | 9 14 | 16 43 | 10 40 | 10 59 | 8 30 | 15 44 | 2 47 | W 8 |
| T 9 | 2 8 | 15 54 | 5 15 | 8 44 | 1 4 | 1 57 | 1 18 | 20 15 | 1 9 | 17 3 | 1 9 | 22 30 | 1 2 | 20 1 | 0 6 | 16 18 | 0 32 | 9 14 | 16 43 | 10 41 | 11 0 | 8 32 | 15 45 | 2 47 | T 9 |
| F 10 | 1 44 | 17 45 | 5 6 | 9 0 | 0 49 | 1 26 | 1 17 | 20 25 | 1 9 | 17 3 | 1 9 | 22 30 | 1 2 | 20 2 | 0 6 | 16 18 | 0 32 | 9 13 | 16 43 | 10 42 | 11 1 | 8 33 | 15 45 | 2 47 | F 10 |
| S 11 | 1 21 | 18 49 | 4 43 | 9 14 | 0 34 | 0 55 | 1 16 | 20 34 | 1 10 | 17 2 | 1 9 | 22 30 | 1 2 | 20 2 | 0 6 | 16 19 | 0 32 | 9 12 | 16 43 | 10 42 | 11 2 | 8 35 | 15 46 | 2 47 | S 11 |
| S 12 | 0 57 | 19 1 | 4 7 | 9 26 | 0 20 | 0 24 | 1 15 | 20 43 | 1 10 | 17 2 | 1 10 | 22 30 | 1 2 | 20 2 | 0 6 | 16 19 | 0 32 | 9 12 | 16 43 | 10 42 | 11 3 | 8 37 | 15 47 | 2 47 | S 12 |
| M13 | 0 33 | 18 14 | 3 17 | 9 35 | 0 6 | 0n 6 | 1 14 | 20 51 | 1 10 | 17 1 | 1 10 | 22 30 | 1 2 | 20 3 | 0 6 | 16 19 | 0 32 | 9 11 | 16 43 | 10 41 | 11 5 | 8 39 | 15 48 | 2 46 | M13 |
| T 14 | 0 10 | 16 27 | 2 16 | 9 42 | 0s 8 | 0 37 | 1 13 | 21 0 | 1 10 | 17 0 | 1 10 | 22 30 | 1 2 | 20 3 | 0 6 | 16 20 | 0 32 | 9 11 | 16 43 | 10 40 | 11 6 | 8 41 | 15 49 | 2 46 | T 14 |
| W15 | 0n14 | 13 41 | 1 4 | 9 47 | 0 21 | 1 8 | 1 11 | 21 9 | 1 11 | 17 0 | 1 10 | 22 30 | 1 2 | 20 4 | 0 6 | 16 20 | 0 32 | 9 10 | 16 43 | 10 40 | 11 7 | 8 43 | 15 50 | 2 46 | W15 |
| T 16 | 0 37 | 10 1 | 0s13 | 9 49 | 0 34 | 1 39 | 1 10 | 21 17 | 1 11 | 16 59 | 1 10 | 22 30 | 1 2 | 20 4 | 0 6 | 16 20 | 0 32 | 9 9 | 16 43 | 10 40 | 11 8 | 8 45 | 15 51 | 2 46 | T 16 |
| F 17 | 1 1 | 5 40 | 1 31 | 9 49 | 0 46 | 2 9 | 1 9 | 21 25 | 1 11 | 16 58 | 1 10 | 22 30 | 1 2 | 20 5 | 0 6 | 16 21 | 0 32 | 9 9 | 16 42 | 10 40 | 11 9 | 8 46 | 15 52 | 2 46 | F 17 |
| S 18 | 1 24 | 0 53 | 2 45 | 9 48 | 0 57 | 2 40 | 1 7 | 21 33 | 1 11 | 16 57 | 1 10 | 22 30 | 1 2 | 20 5 | 0 6 | 16 21 | 0 32 | 9 8 | 16 42 | 10 41 | 11 10 | 8 48 | 15 52 | 2 46 | S 18 |
| S 19 | 1 48 | 4n 1 | 3 48 | 9 43 | 1 8 | 3 11 | 1 6 | 21 41 | 1 11 | 16 56 | 1 10 | 22 30 | 1 2 | 20 6 | 0 6 | 16 21 | 0 32 | 9 8 | 16 42 | 10 42 | 11 11 | 8 50 | 15 53 | 2 46 | S 19 |
| M20 | 2 11 | 8 40 | 4 36 | 9 37 | 1 18 | 3 41 | 1 4 | 21 49 | 1 12 | 16 55 | 1 10 | 22 30 | 1 2 | 20 6 | 0 6 | 16 22 | 0 32 | 9 7 | 16 42 | 10 44 | 11 13 | 8 52 | 15 54 | 2 46 | M20 |
| T 21 | 2 35 | 12 44 | 5 4 | 9 29 | 1 28 | 4 12 | 1 2 | 21 57 | 1 12 | 16 54 | 1 10 | 22 30 | 1 2 | 20 7 | 0 6 | 16 22 | 0 32 | 9 6 | 16 42 | 10 46 | 11 14 | 8 54 | 15 55 | 2 46 | T 21 |
| W22 | 2 58 | 15 56 | 5 11 | 9 19 | 1 37 | 4 42 | 1 1 | 22 4 | 1 12 | 16 53 | 1 11 | 22 30 | 1 2 | 20 7 | 0 6 | 16 22 | 0 32 | 9 6 | 16 42 | 10 47 | 11 15 | 8 56 | 15 56 | 2 46 | W22 |
| T 23 | 3 22 | 18 4 | 4 59 | 9 7 | 1 45 | 5 13 | 0 59 | 22 12 | 1 12 | 16 52 | 1 11 | 22 30 | 1 2 | 20 8 | 0 6 | 16 22 | 0 32 | 9 5 | 16 42 | 10 49 | 11 16 | 8 58 | 15 57 | 2 46 | T 23 |
| F 24 | 3 45 | 19 3 | 4 29 | 8 53 | 1 53 | 5 43 | 0 57 | 22 19 | 1 12 | 16 51 | 1 11 | 22 30 | 1 2 | 20 8 | 0 6 | 16 23 | 0 32 | 9 5 | 16 42 | 10 49 | 11 17 | 8 59 | 15 58 | 2 46 | F 24 |
| S 25 | 4 8 | 18 53 | 3 45 | 8 37 | 2 0 | 6 13 | 0 56 | 22 26 | 1 13 | 16 50 | 1 11 | 22 30 | 1 2 | 20 9 | 0 6 | 16 23 | 0 32 | 9 4 | 16 42 | 10 49 | 11 18 | 9 1 | 15 59 | 2 46 | S 25 |
| S 26 | 4 31 | 17 41 | 2 50 | 8 20 | 2 7 | 6 43 | 0 54 | 22 33 | 1 13 | 16 49 | 1 11 | 22 29 | 1 2 | 20 10 | 0 6 | 16 23 | 0 32 | 9 4 | 16 42 | 10 49 | 11 19 | 9 3 | 16 0 | 2 46 | S 26 |
| M27 | 4 54 | 15 35 | 1 47 | 8 1 | 2 13 | 7 13 | 0 52 | 22 40 | 1 13 | 16 47 | 1 11 | 22 29 | 1 3 | 20 10 | 0 6 | 16 23 | 0 32 | 9 3 | 16 42 | 10 48 | 11 20 | 9 5 | 16 1 | 2 46 | M27 |
| T 28 | 5 17 | 12 46 | 0 41 | 7 40 | 2 19 | 7 42 | 0 50 | 22 46 | 1 13 | 16 46 | 1 11 | 22 29 | 1 3 | 20 11 | 0 5 | 16 24 | 0 32 | 9 2 | 16 42 | 10 48 | 11 22 | 9 7 | 16 2 | 2 46 | T 28 |
| W29 | 5 40 | 9 26 | 0n26 | 7 18 | 2 23 | 8 12 | 0 48 | 22 53 | 1 13 | 16 45 | 1 11 | 22 29 | 1 3 | 20 11 | 0 5 | 16 24 | 0 32 | 9 2 | 16 42 | 10 48 | 11 23 | 9 9 | 16 3 | 2 46 | W29 |
| T 30 | 6 3 | 5 44 | 1 31 | 6 54 | 2 28 | 8 41 | 0 46 | 22 59 | 1 13 | 16 43 | 1 11 | 22 29 | 1 3 | 20 12 | 0 5 | 16 24 | 0 32 | 9 1 | 16 42 | 10 48 | 11 24 | 9 10 | 16 4 | 2 46 | T 30 |
| F 31 | 6n25 | 1n50 | 2n31 | 6s28 | 2s31 | 9n10 | 0s44 | 23n 5 | 1n14 | 16s42 | 1n11 | 22s29 | 1n 3 | 20n13 | 0s 5 | 16n24 | 0n32 | 9s 1 | 16s42 | 10n50 | 11n25 | 9s12 | 16n 5 | 2s46 | F 31 |

Julian Day Number = 2124718.5, Delta T = 17m26s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°15'56, Lahiri = 11°22'56 Julian Calendar 1 March 1105 == Greg. Calendar 8 March 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## APRIL 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 1 29 | 17♈13'27 | 13♎10 | 20♓50 | 26♈36 | 9♊24 | 19°R58 | 27°R42 | 0♊17 | 16°R43 | 16♈12 | 1°R52 | 0♍15 | 6♏17 | 23♉39 | S 1 |
| S 2 | 13 5 26 | 18°11'54 | 25° 5 | 22° 7 | 27°50 | 10° 1 | 19♏53 | 27♐41 | 0°20 | 16♎42 | 16°14 | 1♍44 | 0°12 | 6°24 | 23°43 | S 2 |
| M 3 | 13 9 23 | 19°10'19 | 6♏58 | 23°27 | 29° 4 | 10°38 | 19°47 | 27°41 | 0°23 | 16°42 | 16°15 | 1°35 | 0° 9 | 6°30 | 23°47 | M 3 |
| T 4 | 13 13 19 | 20° 8'42 | 18°50 | 24°49 | 0♉18 | 11°16 | 19°42 | 27°41 | 0°26 | 16°41 | 16°16 | 1°26 | 0° 6 | 6°37 | 23°51 | T 4 |
| W 5 | 13 17 16 | 21° 7'03 | 0♐43 | 26°13 | 1°32 | 11°53 | 19°36 | 27°41 | 0°29 | 16°41 | 16°18 | 1°17 | 0° 3 | 6°44 | 23°55 | W 5 |
| T 6 | 13 21 12 | 22° 5'23 | 12°40 | 27°39 | 2°45 | 12°30 | 19°30 | 27°40 | 0°31 | 16°40 | 16°19 | 1°10 | 29♎59 | 6°50 | 23°59 | T 6 |
| F 7 | 13 25 9 | 23° 3'41 | 24°43 | 29° 7 | 3°59 | 13° 7 | 19°24 | 27°39 | 0°34 | 16°40 | 16°21 | 1° 4 | 29°56 | 6°57 | 24° 3 | F 7 |
| S 8 | 13 29 5 | 24° 1'57 | 6♑57 | 0♈37 | 5°13 | 13°45 | 19°18 | 27°39 | 0°37 | 16°39 | 16°22 | 1° 0 | 29°53 | 7° 4 | 24° 7 | S 8 |
| S 9 | 13 33 2 | 25° 0'12 | 19°24 | 2° 9 | 6°27 | 14°22 | 19°11 | 27°38 | 0°40 | 16°39 | 16°23 | 0°58 | 29°50 | 7°11 | 24°11 | S 9 |
| M10 | 13 36 58 | 25°58'26 | 2♒10 | 3°42 | 7°41 | 14°59 | 19° 5 | 27°37 | 0°43 | 16°38 | 16°25 | 0°D58 | 29°47 | 7°17 | 24°16 | M10 |
| T 11 | 13 40 55 | 26°56'37 | 15°19 | 5°18 | 8°55 | 15°36 | 18°59 | 27°36 | 0°46 | 16°38 | 16°26 | 0°59 | 29°44 | 7°24 | 24°20 | T 11 |
| W12 | 13 44 52 | 27°54'48 | 28°53 | 6°55 | 10° 9 | 16°14 | 18°52 | 27°35 | 0°50 | 16°38 | 16°27 | 1°R 0 | 29°41 | 7°31 | 24°24 | W12 |
| T 13 | 13 48 48 | 28°52'57 | 12♓56 | 8°35 | 11°22 | 16°51 | 18°45 | 27°34 | 0°53 | 16°37 | 16°29 | 0°59 | 29°37 | 7°37 | 24°29 | T 13 |
| F 14 | 13 52 45 | 29°51'04 | 27°26 | 10°16 | 12°36 | 17°28 | 18°39 | 27°33 | 0°56 | 16°37 | 16°30 | 0°57 | 29°34 | 7°44 | 24°33 | F 14 |
| S 15 | 13 56 41 | 0♉49'09 | 12♈20 | 11°59 | 13°50 | 18° 6 | 18°32 | 27°31 | 0°59 | 16°37 | 16°32 | 0°52 | 29°31 | 7°51 | 24°37 | S 15 |
| S 16 | 14 0 38 | 1°47'14 | 27°31 | 13°43 | 15° 4 | 18°43 | 18°25 | 27°30 | 1° 2 | 16°37 | 16°33 | 0°44 | 29°28 | 7°57 | 24°42 | S 16 |
| M17 | 14 4 34 | 2°45'16 | 12♉49 | 15°30 | 16°17 | 19°20 | 18°18 | 27°28 | 1° 5 | 16°37 | 16°34 | 0°36 | 29°25 | 8° 4 | 24°46 | M17 |
| T 18 | 14 8 31 | 3°43'17 | 28° 3 | 17°19 | 17°31 | 19°58 | 18°10 | 27°27 | 1° 9 | 16°36 | 16°36 | 0°26 | 29°21 | 8°11 | 24°50 | T 18 |
| W19 | 14 12 27 | 4°41'16 | 13♊ 3 | 19° 9 | 18°45 | 20°35 | 18° 3 | 27°25 | 1°12 | 16°36 | 16°37 | 0°18 | 29°18 | 8°18 | 24°55 | W19 |
| T 20 | 14 16 24 | 5°39'13 | 27°39 | 21° 2 | 19°58 | 21°12 | 17°56 | 27°23 | 1°15 | 16°36 | 16°38 | 0°11 | 29°15 | 8°24 | 24°59 | T 20 |
| F 21 | 14 20 21 | 6°37'09 | 11♋48 | 22°56 | 21°12 | 21°50 | 17°49 | 27°21 | 1°18 | 16°D36 | 16°40 | 0° 6 | 29°12 | 8°31 | 25° 4 | F 21 |
| S 22 | 14 24 17 | 7°35'03 | 25°27 | 24°52 | 22°26 | 22°27 | 17°41 | 27°19 | 1°22 | 16°36 | 16°41 | 0° 4 | 29° 9 | 8°38 | 25° 8 | S 22 |
| S 23 | 14 28 14 | 8°32'54 | 8♌40 | 26°50 | 23°39 | 23° 4 | 17°34 | 27°17 | 1°25 | 16°36 | 16°42 | 0°D 3 | 29° 6 | 8°44 | 25°13 | S 23 |
| M24 | 14 32 10 | 9°30'44 | 21°29 | 28°49 | 24°53 | 23°42 | 17°26 | 27°15 | 1°28 | 16°36 | 16°44 | 0° 3 | 29° 2 | 8°51 | 25°18 | M24 |
| T 25 | 14 36 7 | 10°28'33 | 3♍58 | 0♉51 | 26° 6 | 24°19 | 17°19 | 27°13 | 1°32 | 16°37 | 16°45 | 0°R 3 | 28°59 | 8°58 | 25°22 | T 25 |
| W26 | 14 40 3 | 11°26'19 | 16°13 | 2°54 | 27°20 | 24°56 | 17°11 | 27°10 | 1°35 | 16°37 | 16°46 | 0° 2 | 28°56 | 9° 5 | 25°27 | W26 |
| T 27 | 14 44 0 | 12°24'04 | 28°17 | 4°59 | 28°33 | 25°33 | 17° 4 | 27° 8 | 1°38 | 16°37 | 16°47 | 29♎59 | 28°53 | 9°11 | 25°31 | T 27 |
| F 28 | 14 47 56 | 13°21'47 | 10♎14 | 7° 5 | 29°47 | 26°11 | 16°56 | 27° 5 | 1°42 | 16°37 | 16°49 | 29°53 | 28°50 | 9°18 | 25°36 | F 28 |
| S 29 | 14 51 53 | 14°19'28 | 22° 7 | 9°12 | 1♊ 0 | 26°48 | 16°49 | 27° 3 | 1°45 | 16°37 | 16°50 | 29°44 | 28°47 | 9°25 | 25°41 | S 29 |
| S 30 | 14 55 50 | 15♉17'08 | 3♏58 | 11♉21 | 2♊14 | 27♊25 | 16♏41 | 27♐ 0 | 1♊49 | 16♎38 | 16♈51 | 29♎33 | 28♎43 | 9♏31 | 25♉45 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n48 | 2s 6 | 3n24 | 6s 1 | 2s35 | 9n39 | 0s42 | 23n11 | 1n14 | 16s40 | 1n11 | 22s29 | 1n 3 | 20n13 | 0s 5 | 16n25 | 0n32 | 9s 0 | 16s42 | 10n52 | 11n26 | 9s14 | 16n 6 | 2s46 |
| S 2 | 7 10 | 5 55 | 4 7 | 5 33 | 2 37 | 10 8 | 0 40 | 23 17 | 1 14 | 16 39 | 1 11 | 22 29 | 1 3 | 20 14 | 0 5 | 16 25 | 0 32 | 9 0 | 16 42 | 10 54 | 11 27 | 9 16 | 16 7 | 2 46 |
| M 3 | 7 32 | 9 30 | 4 39 | 5 3 | 2 39 | 10 36 | 0 38 | 23 22 | 1 14 | 16 37 | 1 11 | 22 29 | 1 3 | 20 14 | 0 5 | 16 25 | 0 32 | 8 59 | 16 42 | 10 58 | 11 28 | 9 18 | 16 8 | 2 46 |
| T 4 | 7 55 | 12 42 | 4 59 | 4 31 | 2 40 | 11 5 | 0 35 | 23 28 | 1 14 | 16 36 | 1 11 | 22 29 | 1 3 | 20 15 | 0 5 | 16 25 | 0 32 | 8 59 | 16 42 | 11 1 | 11 29 | 9 20 | 16 9 | 2 46 |
| W 5 | 8 17 | 15 24 | 5 7 | 3 58 | 2 41 | 11 32 | 0 33 | 23 33 | 1 14 | 16 34 | 1 11 | 22 29 | 1 3 | 20 16 | 0 5 | 16 25 | 0 32 | 8 58 | 16 42 | 11 4 | 11 31 | 9 21 | 16 10 | 2 46 |
| T 6 | 8 39 | 17 27 | 5 1 | 3 24 | 2 42 | 12 0 | 0 31 | 23 38 | 1 14 | 16 33 | 1 11 | 22 29 | 1 3 | 20 16 | 0 5 | 16 25 | 0 32 | 8 58 | 16 42 | 11 7 | 11 32 | 9 23 | 16 11 | 2 46 |
| F 7 | 9 0 | 18 46 | 4 41 | 2 49 | 2 41 | 12 27 | 0 29 | 23 43 | 1 15 | 16 31 | 1 11 | 22 29 | 1 3 | 20 17 | 0 5 | 16 26 | 0 32 | 8 57 | 16 42 | 11 9 | 11 33 | 9 25 | 16 12 | 2 46 |
| S 8 | 9 22 | 19 14 | 4 9 | 2 12 | 2 41 | 12 54 | 0 26 | 23 48 | 1 15 | 16 29 | 1 11 | 22 29 | 1 3 | 20 17 | 0 5 | 16 26 | 0 32 | 8 57 | 16 42 | 11 10 | 11 34 | 9 27 | 16 13 | 2 46 |
| S 9 | 9 43 | 18 47 | 3 24 | 1 34 | 2 39 | 13 21 | 0 24 | 23 52 | 1 15 | 16 28 | 1 11 | 22 29 | 1 3 | 20 18 | 0 5 | 16 26 | 0 32 | 8 56 | 16 42 | 11 11 | 11 35 | 9 29 | 16 14 | 2 46 |
| M10 | 10 5 | 17 22 | 2 28 | 0 55 | 2 37 | 13 48 | 0 22 | 23 57 | 1 15 | 16 26 | 1 11 | 22 29 | 1 3 | 20 19 | 0 5 | 16 26 | 0 32 | 8 56 | 16 42 | 11 11 | 11 36 | 9 31 | 16 15 | 2 46 |
| T 11 | 10 26 | 15 0 | 1 23 | 0 15 | 2 35 | 14 14 | 0 19 | 24 1 | 1 15 | 16 24 | 1 11 | 22 29 | 1 3 | 20 19 | 0 5 | 16 26 | 0 32 | 8 55 | 16 42 | 11 11 | 11 37 | 9 33 | 16 16 | 2 46 |
| W12 | 10 47 | 11 44 | 0 11 | 0n26 | 2 32 | 14 40 | 0 17 | 24 5 | 1 15 | 16 22 | 1 11 | 22 29 | 1 3 | 20 20 | 0 5 | 16 26 | 0 32 | 8 55 | 16 42 | 11 10 | 11 38 | 9 34 | 16 17 | 2 46 |
| T 13 | 11 8 | 7 43 | 1s 3 | 1 9 | 2 28 | 15 5 | 0 15 | 24 9 | 1 15 | 16 20 | 1 11 | 22 29 | 1 3 | 20 21 | 0 5 | 16 26 | 0 32 | 8 54 | 16 42 | 11 11 | 11 39 | 9 36 | 16 18 | 2 46 |
| F 14 | 11 28 | 3 7 | 2 16 | 1 52 | 2 24 | 15 30 | 0 12 | 24 13 | 1 15 | 16 19 | 1 11 | 22 29 | 1 3 | 20 21 | 0 5 | 16 26 | 0 32 | 8 54 | 16 42 | 11 11 | 11 41 | 9 38 | 16 19 | 2 46 |
| S 15 | 11 49 | 1n48 | 3 22 | 2 37 | 2 19 | 15 55 | 0 10 | 24 16 | 1 15 | 16 17 | 1 11 | 22 29 | 1 3 | 20 22 | 0 5 | 16 26 | 0 32 | 8 54 | 16 42 | 11 13 | 11 42 | 9 40 | 16 20 | 2 46 |
| S 16 | 12 9 | 6 41 | 4 15 | 3 23 | 2 14 | 16 19 | 0 7 | 24 19 | 1 15 | 16 15 | 1 11 | 22 29 | 1 3 | 20 23 | 0 5 | 16 26 | 0 32 | 8 53 | 16 42 | 11 16 | 11 43 | 9 42 | 16 21 | 2 46 |
| M17 | 12 29 | 11 10 | 4 49 | 4 9 | 2 9 | 16 43 | 0 5 | 24 23 | 1 16 | 16 13 | 1 11 | 22 29 | 1 3 | 20 23 | 0 5 | 16 26 | 0 32 | 8 53 | 16 42 | 11 19 | 11 44 | 9 44 | 16 22 | 2 46 |
| T 18 | 12 49 | 14 53 | 5 3 | 4 57 | 2 2 | 17 6 | 0 2 | 24 26 | 1 16 | 16 11 | 1 11 | 22 29 | 1 3 | 20 24 | 0 5 | 16 26 | 0 32 | 8 52 | 16 42 | 11 22 | 11 45 | 9 45 | 16 23 | 2 46 |
| W19 | 13 9 | 17 34 | 4 56 | 5 45 | 1 56 | 17 29 | 0n 0 | 24 28 | 1 16 | 16 9 | 1 11 | 22 29 | 1 3 | 20 25 | 0 5 | 16 26 | 0 32 | 8 52 | 16 42 | 11 25 | 11 46 | 9 47 | 16 24 | 2 46 |
| T 20 | 13 28 | 19 2 | 4 30 | 6 34 | 1 49 | 17 52 | 0 3 | 24 31 | 1 16 | 16 7 | 1 11 | 22 29 | 1 3 | 20 25 | 0 5 | 16 26 | 0 32 | 8 51 | 16 43 | 11 28 | 11 47 | 9 49 | 16 25 | 2 46 |
| F 21 | 13 47 | 19 15 | 3 47 | 7 24 | 1 41 | 18 14 | 0 5 | 24 34 | 1 16 | 16 5 | 1 11 | 22 29 | 1 3 | 20 26 | 0 5 | 16 26 | 0 32 | 8 51 | 16 43 | 11 29 | 11 48 | 9 51 | 16 26 | 2 46 |
| S 22 | 14 6 | 18 19 | 2 53 | 8 14 | 1 33 | 18 35 | 0 8 | 24 36 | 1 16 | 16 3 | 1 11 | 22 29 | 1 3 | 20 27 | 0 5 | 16 26 | 0 32 | 8 51 | 16 43 | 11 30 | 11 50 | 9 53 | 16 27 | 2 46 |
| S 23 | 14 25 | 16 23 | 1 51 | 9 5 | 1 24 | 18 56 | 0 10 | 24 38 | 1 16 | 16 1 | 1 11 | 22 28 | 1 3 | 20 27 | 0 5 | 16 26 | 0 32 | 8 50 | 16 43 | 11 30 | 11 51 | 9 54 | 16 29 | 2 46 |
| M24 | 14 44 | 13 41 | 0 45 | 9 56 | 1 16 | 19 17 | 0 13 | 24 40 | 1 16 | 15 59 | 1 11 | 22 28 | 1 3 | 20 28 | 0 5 | 16 26 | 0 32 | 8 50 | 16 43 | 11 30 | 11 52 | 9 56 | 16 30 | 2 46 |
| T 25 | 15 2 | 10 25 | 0n21 | 10 47 | 1 6 | 19 37 | 0 15 | 24 42 | 1 16 | 15 57 | 1 11 | 22 28 | 1 3 | 20 29 | 0 5 | 16 26 | 0 32 | 8 50 | 16 43 | 11 30 | 11 53 | 9 58 | 16 31 | 2 46 |
| W26 | 15 20 | 6 46 | 1 25 | 11 39 | 0 57 | 19 57 | 0 18 | 24 43 | 1 16 | 15 55 | 1 11 | 22 28 | 1 3 | 20 30 | 0 5 | 16 26 | 0 32 | 8 49 | 16 43 | 11 31 | 11 54 | 10 0 | 16 32 | 2 46 |
| T 27 | 15 38 | 2 53 | 2 24 | 12 30 | 0 47 | 20 16 | 0 20 | 24 45 | 1 16 | 15 53 | 1 11 | 22 28 | 1 3 | 20 30 | 0 5 | 16 26 | 0 32 | 8 49 | 16 43 | 11 32 | 11 55 | 10 2 | 16 33 | 2 46 |
| F 28 | 15 55 | 1s 4 | 3 16 | 13 22 | 0 37 | 20 34 | 0 23 | 24 46 | 1 16 | 15 51 | 1 11 | 22 28 | 1 3 | 20 31 | 0 5 | 16 26 | 0 32 | 8 48 | 16 44 | 11 34 | 11 56 | 10 4 | 16 34 | 2 46 |
| S 29 | 16 13 | 4 57 | 3 59 | 14 13 | 0 26 | 20 52 | 0 25 | 24 47 | 1 16 | 15 48 | 1 11 | 22 28 | 1 3 | 20 32 | 0 5 | 16 26 | 0 32 | 8 48 | 16 44 | 11 37 | 11 57 | 10 5 | 16 35 | 2 46 |
| S 30 | 16n30 | 8s39 | 4n31 | 15n 3 | 0s16 | 21n 9 | 0n28 | 24n48 | 1n16 | 15s46 | 1n11 | 22s28 | 1n 3 | 20n32 | 0s 5 | 16n26 | 0n32 | 8s48 | 16s44 | 11n41 | 11n58 | 10s 7 | 16n36 | 2s46 |

Julian Day Number = 2124749.5, Delta T = 17m26s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'00, Lahiri = 11°23'00 Julian Calendar 1 Apr. 1105 == Greg. Calendar 8 Apr. 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## MAY 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 59 46 | 16♉14'47 | 15♏50 | 13♉31 | 3♊27 | 28♊ 3 | 16°R33 | 26°R57 | 1♊52 | 16♌38 | 16♈52 | 29°R21 | 28♌40 | 9♏38 | 25♉50 | M 1 |
| T 2 | 15 3 43 | 17°12'24 | 27°45 | 15°42 | 4°40 | 28°40 | 16♏26 | 26♐55 | 1°55 | 16°38 | 16°54 | 29♌ 7 | 28°37 | 9°45 | 25°54 | T 2 |
| W 3 | 15 7 39 | 18°10'01 | 9♐42 | 17°53 | 5°54 | 29°17 | 16°18 | 26°52 | 1°59 | 16°39 | 16°55 | 28°54 | 28°34 | 9°52 | 25°59 | W 3 |
| T 4 | 15 11 36 | 19° 7'36 | 21°44 | 20° 4 | 7° 7 | 29°55 | 16°10 | 26°49 | 2° 2 | 16°39 | 16°56 | 28°42 | 28°31 | 9°58 | 26° 4 | T 4 |
| F 5 | 15 15 32 | 20° 5'10 | 3♑53 | 22°16 | 8°20 | 0♋32 | 16° 3 | 26°46 | 2° 6 | 16°39 | 16°57 | 28°33 | 28°27 | 10° 5 | 26° 8 | F 5 |
| S 6 | 15 19 29 | 21° 2'43 | 16°11 | 24°28 | 9°34 | 1° 9 | 15°55 | 26°43 | 2° 9 | 16°40 | 16°58 | 28°26 | 28°24 | 10°12 | 26°13 | S 6 |
| S 7 | 15 23 25 | 22° 0'15 | 28°41 | 26°38 | 10°47 | 1°47 | 15°48 | 26°40 | 2°13 | 16°40 | 17° 0 | 28°23 | 28°21 | 10°19 | 26°18 | S 7 |
| M 8 | 15 27 22 | 22°57'46 | 11♒27 | 28°49 | 12° 0 | 2°24 | 15°40 | 26°36 | 2°16 | 16°41 | 17° 1 | 28°21 | 28°18 | 10°25 | 26°23 | M 8 |
| T 9 | 15 31 19 | 23°55'16 | 24°32 | 0♊58 | 13°13 | 3° 1 | 15°33 | 26°33 | 2°20 | 16°41 | 17° 2 | 28°21 | 28°15 | 10°32 | 26°27 | T 9 |
| W10 | 15 35 15 | 24°52'45 | 8♓ 0 | 3° 6 | 14°27 | 3°39 | 15°25 | 26°30 | 2°23 | 16°42 | 17° 3 | 28°21 | 28°12 | 10°39 | 26°32 | W10 |
| T 11 | 15 39 12 | 25°50'14 | 21°53 | 5°12 | 15°40 | 4°16 | 15°18 | 26°26 | 2°27 | 16°43 | 17° 4 | 28°19 | 28° 8 | 10°45 | 26°37 | T 11 |
| F 12 | 15 43 8 | 26°47'41 | 6♈12 | 7°17 | 16°53 | 4°53 | 15°10 | 26°23 | 2°30 | 16°43 | 17° 5 | 28°16 | 28° 5 | 10°52 | 26°41 | F 12 |
| S 13 | 15 47 5 | 27°45'08 | 20°56 | 9°20 | 18° 6 | 5°31 | 15° 3 | 26°19 | 2°34 | 16°44 | 17° 7 | 28°10 | 28° 2 | 10°59 | 26°46 | S 13 |
| S 14 | 15 51 1 | 28°42'34 | 6♉ 0 | 11°21 | 19°19 | 6° 8 | 14°56 | 26°16 | 2°38 | 16°45 | 17° 8 | 28° 2 | 27°59 | 11° 6 | 26°51 | S 14 |
| M15 | 15 54 58 | 29°40'00 | 21°14 | 13°20 | 20°32 | 6°45 | 14°49 | 26°12 | 2°41 | 16°45 | 17° 9 | 27°52 | 27°56 | 11°12 | 26°55 | M15 |
| T 16 | 15 58 54 | 0♊37'24 | 6♊28 | 15°16 | 21°45 | 7°23 | 14°41 | 26° 8 | 2°45 | 16°46 | 17°10 | 27°41 | 27°52 | 11°19 | 27° 0 | T 16 |
| W17 | 16 2 51 | 1°34'48 | 21°31 | 17°10 | 22°58 | 8° 0 | 14°34 | 26° 4 | 2°48 | 16°47 | 17°11 | 27°30 | 27°49 | 11°26 | 27° 5 | W17 |
| T 18 | 16 6 48 | 2°32'11 | 6♋14 | 19° 2 | 24°11 | 8°38 | 14°27 | 26° 1 | 2°52 | 16°48 | 17°12 | 27°22 | 27°46 | 11°32 | 27°10 | T 18 |
| F 19 | 16 10 44 | 3°29'33 | 20°30 | 20°51 | 25°24 | 9°15 | 14°20 | 25°57 | 2°55 | 16°49 | 17°13 | 27°16 | 27°43 | 11°39 | 27°14 | F 19 |
| S 20 | 16 14 41 | 4°26'53 | 4♌16 | 22°38 | 26°37 | 9°52 | 14°14 | 25°53 | 2°59 | 16°50 | 17°14 | 27°12 | 27°40 | 11°46 | 27°19 | S 20 |
| S 21 | 16 18 37 | 5°24'13 | 17°34 | 24°22 | 27°50 | 10°30 | 14° 7 | 25°49 | 3° 2 | 16°51 | 17°15 | 27°11 | 27°37 | 11°53 | 27°24 | S 21 |
| M22 | 16 22 34 | 6°21'31 | 0♍26 | 26° 4 | 29° 3 | 11° 7 | 14° 0 | 25°45 | 3° 6 | 16°52 | 17°16 | 27°10 | 27°33 | 11°59 | 27°28 | M22 |
| T 23 | 16 26 30 | 7°18'49 | 12°56 | 27°43 | 0♋16 | 11°45 | 13°54 | 25°41 | 3° 9 | 16°53 | 17°17 | 27°10 | 27°30 | 12° 6 | 27°33 | T 23 |
| W24 | 16 30 27 | 8°16'05 | 25° 9 | 29°19 | 1°29 | 12°22 | 13°47 | 25°37 | 3°13 | 16°54 | 17°18 | 27° 9 | 27°27 | 12°13 | 27°38 | W24 |
| T 25 | 16 34 23 | 9°13'21 | 7♎10 | 0♋53 | 2°42 | 12°59 | 13°41 | 25°33 | 3°16 | 16°55 | 17°19 | 27° 6 | 27°24 | 12°19 | 27°42 | T 25 |
| F 26 | 16 38 20 | 10°10'35 | 19° 5 | 2°24 | 3°55 | 13°37 | 13°35 | 25°29 | 3°20 | 16°56 | 17°20 | 27° 1 | 27°21 | 12°26 | 27°47 | F 26 |
| S 27 | 16 42 17 | 11° 7'49 | 0♏56 | 3°52 | 5° 8 | 14°14 | 13°29 | 25°24 | 3°24 | 16°57 | 17°21 | 26°53 | 27°18 | 12°33 | 27°52 | S 27 |
| S 28 | 16 46 13 | 12° 5'02 | 12°47 | 5°18 | 6°20 | 14°52 | 13°23 | 25°20 | 3°27 | 16°58 | 17°21 | 26°43 | 27°14 | 12°40 | 27°56 | S 28 |
| M29 | 16 50 10 | 13° 2'15 | 24°42 | 6°41 | 7°33 | 15°29 | 13°17 | 25°16 | 3°31 | 16°59 | 17°22 | 26°30 | 27°11 | 12°46 | 28° 1 | M29 |
| T 30 | 16 54 6 | 13°59'27 | 6♐40 | 8° 1 | 8°46 | 16° 6 | 13°11 | 25°12 | 3°34 | 17° 0 | 17°23 | 26°18 | 27° 8 | 12°53 | 28° 5 | T 30 |
| W31 | 16 58 3 | 14♊56'39 | 18♐45 | 9♋19 | 9♋58 | 16♋44 | 13♏ 6 | 25♐ 7 | 3♊38 | 17♌ 2 | 17♈24 | 26♌ 5 | 27♌ 5 | 13♏ 0 | 28♉10 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n47 | 12s 0 | 4n52 | 15n53 | 0s 5 | 21n26 | 0n30 | 24n48 | 1n16 | 15s44 | 1n11 | 22s28 | 1n 3 | 20n33 | 0s 5 | 16n26 | 0n32 | 8s48 | 16s44 | 11n45 | 12n 0 | 10s 9 | 16n37 | 2s46 |
| T 2 | 17 3 | 14 52 | 5 0 | 16 42 | 0n 5 | 21 42 | 0 32 | 24 49 | 1 16 | 15 42 | 1 11 | 22 28 | 1 3 | 20 34 | 0 5 | 16 26 | 0 32 | 8 47 | 16 44 | 11 50 | 12 1 | 10 11 | 16 38 | 2 46 |
| W 3 | 17 19 | 17 9 | 4 55 | 17 30 | 0 16 | 21 58 | 0 35 | 24 49 | 1 16 | 15 40 | 1 10 | 22 28 | 1 3 | 20 34 | 0 5 | 16 26 | 0 32 | 8 47 | 16 44 | 11 55 | 12 2 | 10 13 | 16 39 | 2 46 |
| T 4 | 17 35 | 18 41 | 4 37 | 18 16 | 0 26 | 22 13 | 0 37 | 24 49 | 1 16 | 15 38 | 1 10 | 22 28 | 1 3 | 20 35 | 0 5 | 16 26 | 0 32 | 8 47 | 16 44 | 11 59 | 12 3 | 10 15 | 16 40 | 2 46 |
| F 5 | 17 51 | 19 24 | 4 6 | 19 1 | 0 36 | 22 27 | 0 40 | 24 49 | 1 16 | 15 36 | 1 10 | 22 28 | 1 3 | 20 36 | 0 5 | 16 25 | 0 32 | 8 46 | 16 45 | 12 2 | 12 4 | 10 16 | 16 41 | 2 46 |
| S 6 | 18 6 | 19 12 | 3 23 | 19 43 | 0 46 | 22 41 | 0 42 | 24 49 | 1 16 | 15 34 | 1 10 | 22 28 | 1 3 | 20 37 | 0 5 | 16 25 | 0 32 | 8 46 | 16 45 | 12 4 | 12 5 | 10 18 | 16 42 | 2 47 |
| S 7 | 18 21 | 18 4 | 2 30 | 20 24 | 0 56 | 22 54 | 0 44 | 24 49 | 1 16 | 15 32 | 1 10 | 22 28 | 1 3 | 20 37 | 0 5 | 16 25 | 0 32 | 8 46 | 16 45 | 12 6 | 12 6 | 10 20 | 16 43 | 2 47 |
| M 8 | 18 36 | 16 1 | 1 28 | 21 3 | 1 5 | 23 7 | 0 47 | 24 48 | 1 16 | 15 30 | 1 10 | 22 28 | 1 3 | 20 38 | 0 5 | 16 25 | 0 32 | 8 45 | 16 45 | 12 6 | 12 7 | 10 22 | 16 44 | 2 47 |
| T 9 | 18 51 | 13 5 | 0 20 | 21 39 | 1 14 | 23 18 | 0 49 | 24 47 | 1 16 | 15 28 | 1 10 | 22 28 | 1 3 | 20 39 | 0 5 | 16 25 | 0 32 | 8 45 | 16 45 | 12 6 | 12 8 | 10 24 | 16 45 | 2 47 |
| W10 | 19 5 | 9 24 | 0s51 | 22 13 | 1 22 | 23 30 | 0 51 | 24 46 | 1 16 | 15 26 | 1 10 | 22 27 | 1 3 | 20 39 | 0 5 | 16 25 | 0 32 | 8 45 | 16 46 | 12 6 | 12 9 | 10 25 | 16 46 | 2 47 |
| T 11 | 19 18 | 5 5 | 2 1 | 22 44 | 1 30 | 23 40 | 0 54 | 24 45 | 1 16 | 15 24 | 1 9 | 22 27 | 1 3 | 20 40 | 0 5 | 16 24 | 0 32 | 8 45 | 16 46 | 12 7 | 12 11 | 10 27 | 16 47 | 2 47 |
| F 12 | 19 32 | 0 22 | 3 6 | 23 13 | 1 37 | 23 50 | 0 56 | 24 44 | 1 16 | 15 22 | 1 9 | 22 27 | 1 3 | 20 41 | 0 5 | 16 24 | 0 32 | 8 45 | 16 46 | 12 8 | 12 12 | 10 29 | 16 48 | 2 47 |
| S 13 | 19 45 | 4n30 | 4 0 | 23 39 | 1 43 | 23 59 | 0 58 | 24 42 | 1 16 | 15 20 | 1 9 | 22 27 | 1 3 | 20 41 | 0 5 | 16 24 | 0 32 | 8 44 | 16 46 | 12 10 | 12 13 | 10 31 | 16 49 | 2 47 |
| S 14 | 19 58 | 9 12 | 4 39 | 24 2 | 1 49 | 24 7 | 1 0 | 24 41 | 1 16 | 15 18 | 1 9 | 22 27 | 1 3 | 20 42 | 0 5 | 16 24 | 0 32 | 8 44 | 16 46 | 12 13 | 12 14 | 10 33 | 16 50 | 2 47 |
| M15 | 20 11 | 13 21 | 4 58 | 24 23 | 1 54 | 24 15 | 1 2 | 24 39 | 1 16 | 15 16 | 1 9 | 22 27 | 1 3 | 20 43 | 0 5 | 16 23 | 0 32 | 8 44 | 16 47 | 12 16 | 12 15 | 10 34 | 16 51 | 2 47 |
| T 16 | 20 23 | 16 37 | 4 57 | 24 41 | 1 58 | 24 22 | 1 5 | 24 37 | 1 16 | 15 14 | 1 9 | 22 27 | 1 3 | 20 44 | 0 5 | 16 23 | 0 32 | 8 44 | 16 47 | 12 20 | 12 16 | 10 36 | 16 52 | 2 47 |
| W17 | 20 35 | 18 43 | 4 35 | 24 57 | 2 1 | 24 28 | 1 7 | 24 35 | 1 16 | 15 12 | 1 9 | 22 27 | 1 3 | 20 44 | 0 5 | 16 23 | 0 32 | 8 44 | 16 47 | 12 24 | 12 17 | 10 38 | 16 53 | 2 48 |
| T 18 | 20 46 | 19 30 | 3 55 | 25 9 | 2 4 | 24 34 | 1 9 | 24 32 | 1 16 | 15 10 | 1 8 | 22 27 | 1 3 | 20 45 | 0 5 | 16 23 | 0 32 | 8 43 | 16 47 | 12 27 | 12 18 | 10 40 | 16 54 | 2 48 |
| F 19 | 20 57 | 19 0 | 3 1 | 25 20 | 2 6 | 24 39 | 1 11 | 24 30 | 1 16 | 15 8 | 1 8 | 22 27 | 1 3 | 20 46 | 0 5 | 16 22 | 0 32 | 8 43 | 16 48 | 12 29 | 12 19 | 10 42 | 16 55 | 2 48 |
| S 20 | 21 8 | 17 22 | 1 58 | 25 28 | 2 7 | 24 43 | 1 13 | 24 27 | 1 16 | 15 6 | 1 8 | 22 27 | 1 3 | 20 46 | 0 5 | 16 22 | 0 32 | 8 43 | 16 48 | 12 30 | 12 21 | 10 43 | 16 56 | 2 48 |
| S 21 | 21 18 | 14 50 | 0 51 | 25 33 | 2 8 | 24 47 | 1 14 | 24 24 | 1 16 | 15 4 | 1 8 | 22 27 | 1 3 | 20 47 | 0 5 | 16 22 | 0 32 | 8 43 | 16 48 | 12 31 | 12 22 | 10 45 | 16 57 | 2 48 |
| M22 | 21 28 | 11 39 | 0n17 | 25 37 | 2 7 | 24 49 | 1 16 | 24 21 | 1 16 | 15 2 | 1 8 | 22 27 | 1 3 | 20 48 | 0 5 | 16 22 | 0 32 | 8 43 | 16 48 | 12 31 | 12 23 | 10 47 | 16 58 | 2 48 |
| T 23 | 21 38 | 8 0 | 1 22 | 25 38 | 2 6 | 24 51 | 1 18 | 24 17 | 1 16 | 15 1 | 1 7 | 22 26 | 1 3 | 20 48 | 0 5 | 16 21 | 0 32 | 8 43 | 16 48 | 12 31 | 12 24 | 10 49 | 16 59 | 2 48 |
| W24 | 21 47 | 4 7 | 2 22 | 25 37 | 2 4 | 24 52 | 1 20 | 24 14 | 1 16 | 14 59 | 1 7 | 22 26 | 1 2 | 20 49 | 0 5 | 16 21 | 0 32 | 8 43 | 16 49 | 12 31 | 12 25 | 10 51 | 16 59 | 2 48 |
| T 25 | 21 56 | 0 7 | 3 15 | 25 35 | 2 2 | 24 53 | 1 22 | 24 10 | 1 16 | 14 57 | 1 7 | 22 26 | 1 2 | 20 50 | 0 5 | 16 21 | 0 32 | 8 42 | 16 49 | 12 32 | 12 26 | 10 52 | 17 0 | 2 48 |
| F 26 | 22 5 | 3s50 | 3 58 | 25 31 | 1 59 | 24 53 | 1 23 | 24 6 | 1 16 | 14 56 | 1 7 | 22 26 | 1 2 | 20 51 | 0 5 | 16 20 | 0 32 | 8 42 | 16 49 | 12 34 | 12 27 | 10 54 | 17 1 | 2 49 |
| S 27 | 22 13 | 7 37 | 4 31 | 25 24 | 1 55 | 24 52 | 1 25 | 24 2 | 1 16 | 14 54 | 1 7 | 22 26 | 1 2 | 20 51 | 0 5 | 16 20 | 0 32 | 8 42 | 16 50 | 12 37 | 12 28 | 10 56 | 17 2 | 2 49 |
| S 28 | 22 21 | 11 6 | 4 52 | 25 17 | 1 50 | 24 50 | 1 26 | 23 58 | 1 16 | 14 52 | 1 7 | 22 26 | 1 2 | 20 52 | 0 5 | 16 20 | 0 32 | 8 42 | 16 50 | 12 40 | 12 29 | 10 58 | 17 3 | 2 49 |
| M29 | 22 28 | 14 10 | 5 1 | 25 8 | 1 45 | 24 48 | 1 28 | 23 54 | 1 15 | 14 51 | 1 6 | 22 26 | 1 2 | 20 53 | 0 5 | 16 19 | 0 32 | 8 42 | 16 50 | 12 44 | 12 30 | 11 0 | 17 4 | 2 49 |
| T 30 | 22 35 | 16 40 | 4 56 | 24 57 | 1 39 | 24 45 | 1 29 | 23 49 | 1 15 | 14 49 | 1 6 | 22 26 | 1 2 | 20 53 | 0 5 | 16 19 | 0 32 | 8 42 | 16 50 | 12 49 | 12 31 | 11 1 | 17 5 | 2 49 |
| W31 | 22n42 | 18s27 | 4n38 | 24n45 | 1n32 | 24n41 | 1n31 | 23n45 | 1n15 | 14s48 | 1n 6 | 22s26 | 1n 2 | 20n54 | 0s 5 | 16n19 | 0n32 | 8s42 | 16s51 | 12n53 | 12n33 | 11s 3 | 17n 6 | 2s49 |

Julian Day Number = 2124779.5, Delta T = 17m25s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'04, Lahiri = 11°23'04 Julian Calendar 1 May 1105 == Greg. Calendar 8 May 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## JUNE 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 1 59 | 15♊53'50 | 0♉57 | 10♋33 | 11♋11 | 17♋21 | 13°R 0 | 25°R 3 | 3♊41 | 17♎ 3 | 17♈25 | 25°R54 | 27♎ 2 | 13♏ 6 | 28♉15 | T 1 |
| F 2 | 17 5 56 | 16°51'01 | 13°17 | 11°45 | 12°24 | 17°59 | 12♏55 | 24♐59 | 3°45 | 17° 4 | 17°26 | 25♎45 | 26°58 | 13°13 | 28°19 | F 2 |
| S 3 | 17 9 52 | 17°48'11 | 25°47 | 12°53 | 13°36 | 18°36 | 12°50 | 24°54 | 3°48 | 17° 5 | 17°26 | 25°39 | 26°55 | 13°20 | 28°24 | S 3 |
| S 4 | 17 13 49 | 18°45'22 | 8♒27 | 13°59 | 14°49 | 19°14 | 12°45 | 24°50 | 3°51 | 17° 7 | 17°27 | 25°36 | 26°52 | 13°27 | 28°28 | S 4 |
| M 5 | 17 17 46 | 19°42'32 | 21°21 | 15° 1 | 16° 1 | 19°51 | 12°40 | 24°46 | 3°55 | 17° 8 | 17°28 | 25°D34 | 26°49 | 13°33 | 28°33 | M 5 |
| T 6 | 17 21 42 | 20°39'42 | 4♓30 | 16° 1 | 17°14 | 20°29 | 12°35 | 24°41 | 3°58 | 17° 9 | 17°29 | 25°35 | 26°46 | 13°40 | 28°37 | T 6 |
| W 7 | 17 25 39 | 21°36'52 | 17°58 | 16°57 | 18°26 | 21° 6 | 12°31 | 24°37 | 4° 2 | 17°11 | 17°29 | 25°R35 | 26°43 | 13°47 | 28°42 | W 7 |
| T 8 | 17 29 35 | 22°34'03 | 1♈45 | 17°49 | 19°39 | 21°43 | 12°26 | 24°32 | 4° 5 | 17°12 | 17°30 | 25°35 | 26°39 | 13°54 | 28°46 | T 8 |
| F 9 | 17 33 32 | 23°31'13 | 15°54 | 18°38 | 20°51 | 22°21 | 12°22 | 24°28 | 4° 9 | 17°14 | 17°31 | 25°33 | 26°36 | 14° 0 | 28°51 | F 9 |
| S 10 | 17 37 28 | 24°28'24 | 0♉23 | 19°24 | 22° 4 | 22°58 | 12°18 | 24°24 | 4°12 | 17°15 | 17°31 | 25°29 | 26°33 | 14° 7 | 28°55 | S 10 |
| S 11 | 17 41 25 | 25°25'34 | 15° 9 | 20° 6 | 23°16 | 23°36 | 12°14 | 24°19 | 4°15 | 17°17 | 17°32 | 25°22 | 26°30 | 14°14 | 28°59 | S 11 |
| M12 | 17 45 21 | 26°22'45 | 0♊ 5 | 20°44 | 24°28 | 24°13 | 12°10 | 24°15 | 4°19 | 17°18 | 17°33 | 25°14 | 26°27 | 14°20 | 29° 4 | M12 |
| T 13 | 17 49 18 | 27°19'57 | 15° 3 | 21°18 | 25°41 | 24°51 | 12° 7 | 24°10 | 4°22 | 17°20 | 17°33 | 25° 6 | 26°24 | 14°27 | 29° 8 | T 13 |
| W14 | 17 53 15 | 28°17'08 | 29°54 | 21°47 | 26°53 | 25°29 | 12° 3 | 24° 6 | 4°25 | 17°21 | 17°34 | 24°57 | 26°20 | 14°34 | 29°12 | W14 |
| T 15 | 17 57 11 | 29°14'19 | 14♋30 | 22°13 | 28° 5 | 26° 6 | 12° 0 | 24° 2 | 4°29 | 17°23 | 17°35 | 24°51 | 26°17 | 14°41 | 29°17 | T 15 |
| F 16 | 18 1 8 | 0♋11'30 | 28°43 | 22°34 | 29°18 | 26°44 | 11°57 | 23°57 | 4°32 | 17°25 | 17°35 | 24°46 | 26°14 | 14°47 | 29°21 | F 16 |
| S 17 | 18 5 4 | 1° 8'41 | 12♌30 | 22°51 | 0♌30 | 27°21 | 11°54 | 23°53 | 4°35 | 17°26 | 17°36 | 24°43 | 26°11 | 14°54 | 29°25 | S 17 |
| S 18 | 18 9 1 | 2° 5'52 | 25°51 | 23° 3 | 1°42 | 27°59 | 11°51 | 23°49 | 4°38 | 17°28 | 17°36 | 24°D42 | 26° 8 | 15° 1 | 29°29 | S 18 |
| M19 | 18 12 57 | 3° 3'03 | 8♍46 | 23°11 | 2°54 | 28°36 | 11°49 | 23°44 | 4°42 | 17°30 | 17°37 | 24°43 | 26° 4 | 15° 7 | 29°33 | M19 |
| T 20 | 18 16 54 | 4° 0'14 | 21°19 | 23°R14 | 4° 6 | 29°14 | 11°46 | 23°40 | 4°45 | 17°31 | 17°37 | 24°44 | 26° 1 | 15°14 | 29°38 | T 20 |
| W21 | 18 20 50 | 4°57'25 | 3♎34 | 23°12 | 5°18 | 29°52 | 11°44 | 23°36 | 4°48 | 17°33 | 17°37 | 24°R45 | 25°58 | 15°21 | 29°42 | W21 |
| T 22 | 18 24 47 | 5°54'35 | 15°37 | 23° 5 | 6°30 | 0♌29 | 11°42 | 23°31 | 4°51 | 17°35 | 17°38 | 24°44 | 25°55 | 15°28 | 29°46 | T 22 |
| F 23 | 18 28 44 | 6°51'46 | 27°33 | 22°54 | 7°42 | 1° 7 | 11°40 | 23°27 | 4°54 | 17°37 | 17°38 | 24°42 | 25°52 | 15°34 | 29°50 | F 23 |
| S 24 | 18 32 40 | 7°48'57 | 9♏25 | 22°38 | 8°54 | 1°44 | 11°38 | 23°23 | 4°58 | 17°38 | 17°39 | 24°38 | 25°49 | 15°41 | 29°54 | S 24 |
| S 25 | 18 36 37 | 8°46'08 | 21°18 | 22°17 | 10° 6 | 2°22 | 11°37 | 23°19 | 5° 1 | 17°40 | 17°39 | 24°32 | 25°45 | 15°48 | 29°58 | S 25 |
| M26 | 18 40 33 | 9°43'19 | 3♐15 | 21°53 | 11°18 | 3° 0 | 11°36 | 23°15 | 5° 4 | 17°42 | 17°39 | 24°24 | 25°42 | 15°55 | 0♊ 2 | M26 |
| T 27 | 18 44 30 | 10°40'31 | 15°20 | 21°24 | 12°30 | 3°37 | 11°34 | 23°10 | 5° 7 | 17°44 | 17°40 | 24°17 | 25°39 | 16° 1 | 0° 6 | T 27 |
| W28 | 18 48 26 | 11°37'42 | 27°34 | 20°52 | 13°41 | 4°15 | 11°34 | 23° 6 | 5°10 | 17°46 | 17°40 | 24° 9 | 25°36 | 16° 8 | 0°10 | W28 |
| T 29 | 18 52 23 | 12°34'55 | 9♑58 | 20°17 | 14°53 | 4°53 | 11°33 | 23° 2 | 5°13 | 17°48 | 17°40 | 24° 2 | 25°33 | 16°15 | 0°13 | T 29 |
| F 30 | 18 56 19 | 13♋32'08 | 22♑33 | 19♋39 | 16♌ 5 | 5♌30 | 11♏32 | 22♐58 | 5♊16 | 17♎49 | 17♈41 | 23♎57 | 25♎30 | 16♏21 | 0♊17 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n48 | 19s26 | 4n 7 | 24n33 | 1n25 | 24n36 | 1n32 | 23n40 | 1n15 | 14s46 | 1n 6 | 22s26 | 1n 2 | 20n55 | 0s 5 | 16n18 | 0n32 | 8s42 | 16s51 | 12n57 | 12n34 | 11s 5 | 17n 7 | 2s49 |
| F 2 | 22 54 | 19 30 | 3 25 | 24 19 | 1 17 | 24 31 | 1 33 | 23 35 | 1 15 | 14 45 | 1 5 | 22 26 | 1 2 | 20 55 | 0 5 | 16 18 | 0 32 | 8 42 | 16 51 | 13 0 | 12 35 | 11 7 | 17 7 | 2 50 |
| S 3 | 22 59 | 18 37 | 2 31 | 24 4 | 1 8 | 24 25 | 1 34 | 23 30 | 1 15 | 14 44 | 1 5 | 22 25 | 1 2 | 20 56 | 0 5 | 16 17 | 0 32 | 8 42 | 16 51 | 13 2 | 12 36 | 11 9 | 17 8 | 2 50 |
| S 4 | 23 4 | 16 47 | 1 30 | 23 48 | 0 59 | 24 18 | 1 35 | 23 24 | 1 15 | 14 42 | 1 5 | 22 25 | 1 2 | 20 57 | 0 5 | 16 17 | 0 32 | 8 42 | 16 52 | 13 3 | 12 37 | 11 10 | 17 9 | 2 50 |
| M 5 | 23 9 | 14 6 | 0 22 | 23 31 | 0 50 | 24 11 | 1 36 | 23 19 | 1 15 | 14 41 | 1 5 | 22 25 | 1 2 | 20 57 | 0 5 | 16 17 | 0 32 | 8 42 | 16 52 | 13 3 | 12 38 | 11 12 | 17 10 | 2 50 |
| T 6 | 23 13 | 10 38 | 0s47 | 23 14 | 0 39 | 24 3 | 1 37 | 23 13 | 1 15 | 14 40 | 1 5 | 22 25 | 1 2 | 20 58 | 0 5 | 16 16 | 0 32 | 8 42 | 16 52 | 13 3 | 12 39 | 11 14 | 17 11 | 2 50 |
| W 7 | 23 17 | 6 34 | 1 56 | 22 56 | 0 28 | 23 54 | 1 38 | 23 7 | 1 15 | 14 39 | 1 4 | 22 25 | 1 2 | 20 59 | 0 5 | 16 16 | 0 32 | 8 42 | 16 53 | 13 3 | 12 40 | 11 16 | 17 12 | 2 50 |
| T 8 | 23 21 | 2 3 | 3 0 | 22 38 | 0 17 | 23 45 | 1 39 | 23 1 | 1 15 | 14 38 | 1 4 | 22 25 | 1 2 | 20 59 | 0 5 | 16 15 | 0 32 | 8 42 | 16 53 | 13 3 | 12 41 | 11 17 | 17 12 | 2 50 |
| F 9 | 23 24 | 2n40 | 3 55 | 22 20 | 0 5 | 23 34 | 1 40 | 22 55 | 1 15 | 14 37 | 1 4 | 22 25 | 1 1 | 21 0 | 0 5 | 16 15 | 0 32 | 8 42 | 16 53 | 13 4 | 12 42 | 11 19 | 17 13 | 2 51 |
| S 10 | 23 26 | 7 21 | 4 36 | 22 1 | 0s 8 | 23 24 | 1 41 | 22 49 | 1 14 | 14 36 | 1 4 | 22 25 | 1 1 | 21 0 | 0 5 | 16 14 | 0 32 | 8 42 | 16 54 | 13 5 | 12 43 | 11 21 | 17 14 | 2 51 |
| S 11 | 23 28 | 11 41 | 5 0 | 21 42 | 0 21 | 23 12 | 1 41 | 22 42 | 1 14 | 14 35 | 1 3 | 22 25 | 1 1 | 21 1 | 0 5 | 16 14 | 0 32 | 8 42 | 16 54 | 13 7 | 12 45 | 11 23 | 17 15 | 2 51 |
| M12 | 23 30 | 15 19 | 5 3 | 21 23 | 0 34 | 23 0 | 1 42 | 22 35 | 1 14 | 14 34 | 1 3 | 22 24 | 1 1 | 21 2 | 0 5 | 16 13 | 0 32 | 8 42 | 16 54 | 13 10 | 12 46 | 11 25 | 17 16 | 2 51 |
| T 13 | 23 32 | 17 58 | 4 46 | 21 4 | 0 48 | 22 47 | 1 42 | 22 29 | 1 14 | 14 33 | 1 3 | 22 24 | 1 1 | 21 2 | 0 5 | 16 13 | 0 32 | 8 42 | 16 55 | 13 13 | 12 47 | 11 26 | 17 16 | 2 51 |
| W14 | 23 32 | 19 23 | 4 10 | 20 46 | 1 2 | 22 34 | 1 43 | 22 22 | 1 14 | 14 32 | 1 3 | 22 24 | 1 1 | 21 3 | 0 5 | 16 12 | 0 32 | 8 42 | 16 55 | 13 16 | 12 48 | 11 28 | 17 17 | 2 52 |
| T 15 | 23 33 | 19 29 | 3 18 | 20 27 | 1 16 | 22 19 | 1 43 | 22 14 | 1 14 | 14 31 | 1 2 | 22 24 | 1 1 | 21 4 | 0 5 | 16 12 | 0 32 | 8 42 | 16 55 | 13 18 | 12 49 | 11 30 | 17 18 | 2 52 |
| F 16 | 23 33 | 18 19 | 2 15 | 20 9 | 1 31 | 22 5 | 1 43 | 22 7 | 1 14 | 14 30 | 1 2 | 22 24 | 1 1 | 21 4 | 0 5 | 16 11 | 0 32 | 8 42 | 16 55 | 13 20 | 12 50 | 11 32 | 17 19 | 2 52 |
| S 17 | 23 33 | 16 6 | 1 5 | 19 52 | 1 46 | 21 49 | 1 44 | 22 0 | 1 14 | 14 30 | 1 2 | 22 24 | 1 1 | 21 5 | 0 5 | 16 11 | 0 32 | 8 42 | 16 56 | 13 21 | 12 51 | 11 33 | 17 19 | 2 52 |
| S 18 | 23 32 | 13 4 | 0n 6 | 19 35 | 2 1 | 21 34 | 1 44 | 21 52 | 1 14 | 14 29 | 1 2 | 22 24 | 1 1 | 21 5 | 0 5 | 16 10 | 0 32 | 8 43 | 16 56 | 13 21 | 12 52 | 11 35 | 17 20 | 2 52 |
| M19 | 23 31 | 9 29 | 1 15 | 19 19 | 2 16 | 21 17 | 1 44 | 21 44 | 1 13 | 14 29 | 1 1 | 22 24 | 1 1 | 21 6 | 0 5 | 16 10 | 0 32 | 8 43 | 16 56 | 13 21 | 12 53 | 11 37 | 17 21 | 2 52 |
| T 20 | 23 30 | 5 34 | 2 18 | 19 3 | 2 32 | 21 0 | 1 44 | 21 36 | 1 13 | 14 28 | 1 1 | 22 24 | 1 0 | 21 7 | 0 5 | 16 9 | 0 32 | 8 43 | 16 57 | 13 20 | 12 54 | 11 39 | 17 21 | 2 53 |
| W21 | 23 28 | 1 32 | 3 14 | 18 49 | 2 47 | 20 42 | 1 43 | 21 28 | 1 13 | 14 28 | 1 1 | 22 24 | 1 0 | 21 7 | 0 5 | 16 9 | 0 32 | 8 43 | 16 57 | 13 20 | 12 55 | 11 40 | 17 22 | 2 53 |
| T 22 | 23 25 | 2s30 | 3 59 | 18 35 | 3 1 | 20 24 | 1 43 | 21 20 | 1 13 | 14 27 | 1 1 | 22 23 | 1 0 | 21 8 | 0 5 | 16 8 | 0 32 | 8 43 | 16 57 | 13 20 | 12 56 | 11 42 | 17 23 | 2 53 |
| F 23 | 23 22 | 6 23 | 4 34 | 18 23 | 3 16 | 20 5 | 1 43 | 21 11 | 1 13 | 14 27 | 1 0 | 22 23 | 1 0 | 21 8 | 0 5 | 16 8 | 0 32 | 8 43 | 16 58 | 13 21 | 12 58 | 11 44 | 17 23 | 2 53 |
| S 24 | 23 19 | 10 0 | 4 57 | 18 12 | 3 30 | 19 46 | 1 43 | 21 3 | 1 13 | 14 27 | 1 0 | 22 23 | 1 0 | 21 9 | 0 5 | 16 7 | 0 32 | 8 43 | 16 58 | 13 22 | 12 59 | 11 46 | 17 24 | 2 53 |
| S 25 | 23 16 | 13 13 | 5 7 | 18 2 | 3 43 | 19 26 | 1 42 | 20 54 | 1 13 | 14 27 | 1 0 | 22 23 | 1 0 | 21 9 | 0 5 | 16 7 | 0 32 | 8 44 | 16 58 | 13 24 | 13 0 | 11 48 | 17 25 | 2 54 |
| M26 | 23 12 | 15 56 | 5 4 | 17 53 | 3 55 | 19 6 | 1 42 | 20 45 | 1 13 | 14 26 | 1 0 | 22 23 | 1 0 | 21 10 | 0 5 | 16 6 | 0 32 | 8 44 | 16 59 | 13 27 | 13 1 | 11 49 | 17 25 | 2 54 |
| T 27 | 23 7 | 17 59 | 4 48 | 17 46 | 4 7 | 18 45 | 1 41 | 20 36 | 1 12 | 14 26 | 0 59 | 22 23 | 1 0 | 21 11 | 0 5 | 16 6 | 0 32 | 8 44 | 16 59 | 13 30 | 13 2 | 11 51 | 17 26 | 2 54 |
| W28 | 23 2 | 19 14 | 4 18 | 17 41 | 4 18 | 18 24 | 1 40 | 20 27 | 1 12 | 14 26 | 0 59 | 22 23 | 1 0 | 21 11 | 0 5 | 16 5 | 0 32 | 8 44 | 16 59 | 13 32 | 13 3 | 11 53 | 17 26 | 2 54 |
| T 29 | 22 57 | 19 36 | 3 35 | 17 37 | 4 27 | 18 2 | 1 39 | 20 18 | 1 12 | 14 26 | 0 59 | 22 23 | 0 59 | 21 12 | 0 5 | 16 4 | 0 32 | 8 44 | 17 0 | 13 34 | 13 4 | 11 55 | 17 27 | 2 55 |
| F 30 | 22n52 | 19s 0 | 2n42 | 17n34 | 4s35 | 17n40 | 1n39 | 20n 9 | 1n12 | 14s26 | 0n58 | 22s23 | 0n59 | 21n12 | 0s 5 | 16n 4 | 0n32 | 8s45 | 17s 0 | 13n36 | 13n 5 | 11s56 | 17n28 | 2s55 |

Julian Day Number = 2124810.5, Delta T = 17m25s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'08, Lahiri = 11°23'09 Julian Calendar 1 June 1105 == Greg. Calendar 8 June 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## JULY 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 0 16 | 14♋29'21 | 5♒20 | 18°R59 | 17♌16 | 6♌ 8 | 11°R32 | 22°R54 | 5♊19 | 17♌51 | 17♈41 | 23°R53 | 25♌26 | 16♏28 | 0♊21 | S 1 |
| S 2 | 19 4 13 | 15°26'35 | 18°19 | 18♋17 | 18°28 | 6°46 | 11♏32 | 22♐51 | 5°22 | 17°53 | 17°41 | 23°D52 | 25°23 | 16°35 | 0°25 | S 2 |
| M 3 | 19 8 9 | 16°23'50 | 1♓30 | 17°35 | 19°39 | 7°23 | 11°D32 | 22°47 | 5°24 | 17°55 | 17°41 | 23♌52 | 25°20 | 16°42 | 0°28 | M 3 |
| T 4 | 19 12 6 | 17°21'05 | 14°54 | 16°53 | 20°51 | 8° 1 | 11°32 | 22°43 | 5°27 | 17°57 | 17°41 | 23°53 | 25°17 | 16°48 | 0°32 | T 4 |
| W 5 | 19 16 2 | 18°18'22 | 28°31 | 16°12 | 22° 2 | 8°39 | 11°32 | 22°39 | 5°30 | 17°59 | 17°42 | 23°55 | 25°14 | 16°55 | 0°36 | W 5 |
| T 6 | 19 19 59 | 19°15'39 | 12♈22 | 15°33 | 23°14 | 9°17 | 11°32 | 22°35 | 5°33 | 18° 1 | 17°42 | 23°56 | 25°10 | 17° 2 | 0°39 | T 6 |
| F 7 | 19 23 55 | 20°12'57 | 26°26 | 14°55 | 24°25 | 9°54 | 11°33 | 22°32 | 5°36 | 18° 3 | 17°42 | 23°R56 | 25° 7 | 17° 8 | 0°43 | F 7 |
| S 8 | 19 27 52 | 21°10'17 | 10♉43 | 14°21 | 25°36 | 10°32 | 11°34 | 22°28 | 5°38 | 18° 5 | 17°42 | 23°54 | 25° 4 | 17°15 | 0°46 | S 8 |
| S 9 | 19 31 48 | 22° 7'38 | 25°10 | 13°50 | 26°48 | 11°10 | 11°35 | 22°25 | 5°41 | 18° 7 | 17°42 | 23°52 | 25° 1 | 17°22 | 0°50 | S 9 |
| M10 | 19 35 45 | 23° 5'00 | 9♊43 | 13°24 | 27°59 | 11°48 | 11°36 | 22°21 | 5°44 | 18° 9 | 17°42 | 23°48 | 24°58 | 17°29 | 0°53 | M10 |
| T 11 | 19 39 42 | 24° 2'23 | 24°16 | 13° 2 | 29°10 | 12°26 | 11°38 | 22°18 | 5°46 | 18°11 | 17°42 | 23°44 | 24°55 | 17°35 | 0°56 | T 11 |
| W12 | 19 43 38 | 24°59'47 | 8♋43 | 12°46 | 0♍21 | 13° 3 | 11°39 | 22°14 | 5°49 | 18°13 | 17°R42 | 23°40 | 24°51 | 17°42 | 1° 0 | W12 |
| T 13 | 19 47 35 | 25°57'12 | 22°59 | 12°35 | 1°32 | 13°41 | 11°41 | 22°11 | 5°52 | 18°15 | 17°42 | 23°36 | 24°48 | 17°49 | 1° 3 | T 13 |
| F 14 | 19 51 31 | 26°54'38 | 6♌57 | 12°D30 | 2°43 | 14°19 | 11°43 | 22° 8 | 5°54 | 18°18 | 17°42 | 23°34 | 24°45 | 17°56 | 1° 6 | F 14 |
| S 15 | 19 55 28 | 27°52'04 | 20°35 | 12°32 | 3°54 | 14°57 | 11°45 | 22° 5 | 5°57 | 18°20 | 17°42 | 23°D33 | 24°42 | 18° 2 | 1° 9 | S 15 |
| S 16 | 19 59 24 | 28°49'32 | 3♍50 | 12°39 | 5° 5 | 15°35 | 11°47 | 22° 2 | 5°59 | 18°22 | 17°42 | 23°33 | 24°39 | 18° 9 | 1°12 | S 16 |
| M17 | 20 3 21 | 29°47'01 | 16°44 | 12°54 | 6°16 | 16°13 | 11°50 | 21°59 | 6° 2 | 18°24 | 17°42 | 23°35 | 24°36 | 18°16 | 1°15 | M17 |
| T 18 | 20 7 18 | 0♌44'30 | 29°19 | 13°15 | 7°27 | 16°51 | 11°53 | 21°56 | 6° 4 | 18°26 | 17°42 | 23°36 | 24°32 | 18°22 | 1°18 | T 18 |
| W19 | 20 11 14 | 1°42'00 | 11♎36 | 13°43 | 8°38 | 17°29 | 11°55 | 21°53 | 6° 6 | 18°28 | 17°42 | 23°38 | 24°29 | 18°29 | 1°21 | W19 |
| T 20 | 20 15 11 | 2°39'31 | 23°41 | 14°17 | 9°48 | 18° 7 | 11°58 | 21°50 | 6° 9 | 18°30 | 17°41 | 23°39 | 24°26 | 18°36 | 1°24 | T 20 |
| F 21 | 20 19 7 | 3°37'03 | 5♏38 | 14°58 | 10°59 | 18°45 | 12° 2 | 21°47 | 6°11 | 18°32 | 17°41 | 23°R39 | 24°23 | 18°43 | 1°27 | F 21 |
| S 22 | 20 23 4 | 4°34'36 | 17°31 | 15°46 | 12°10 | 19°23 | 12° 5 | 21°44 | 6°13 | 18°35 | 17°41 | 23°38 | 24°20 | 18°49 | 1°30 | S 22 |
| S 23 | 20 27 0 | 5°32'10 | 29°26 | 16°40 | 13°20 | 20° 1 | 12° 8 | 21°42 | 6°15 | 18°37 | 17°41 | 23°37 | 24°16 | 18°56 | 1°32 | S 23 |
| M24 | 20 30 57 | 6°29'45 | 11♐25 | 17°40 | 14°30 | 20°39 | 12°12 | 21°39 | 6°17 | 18°39 | 17°41 | 23°35 | 24°13 | 19° 3 | 1°35 | M24 |
| T 25 | 20 34 53 | 7°27'21 | 23°35 | 18°47 | 15°41 | 21°17 | 12°16 | 21°37 | 6°20 | 18°41 | 17°40 | 23°33 | 24°10 | 19° 9 | 1°38 | T 25 |
| W26 | 20 38 50 | 8°24'58 | 5♑56 | 19°59 | 16°51 | 21°55 | 12°20 | 21°35 | 6°22 | 18°43 | 17°40 | 23°30 | 24° 7 | 19°16 | 1°40 | W26 |
| T 27 | 20 42 46 | 9°22'36 | 18°31 | 21°18 | 18° 1 | 22°33 | 12°24 | 21°32 | 6°24 | 18°46 | 17°40 | 23°28 | 24° 4 | 19°23 | 1°43 | T 27 |
| F 28 | 20 46 43 | 10°20'16 | 1♒22 | 22°41 | 19°11 | 23°11 | 12°29 | 21°30 | 6°26 | 18°48 | 17°39 | 23°27 | 24° 1 | 19°30 | 1°45 | F 28 |
| S 29 | 20 50 40 | 11°17'57 | 14°28 | 24°10 | 20°21 | 23°49 | 12°33 | 21°28 | 6°28 | 18°50 | 17°39 | 23°26 | 23°57 | 19°36 | 1°48 | S 29 |
| S 30 | 20 54 36 | 12°15'39 | 27°50 | 25°43 | 21°31 | 24°27 | 12°38 | 21°26 | 6°29 | 18°52 | 17°39 | 23°D26 | 23°54 | 19°43 | 1°50 | S 30 |
| M31 | 20 58 33 | 13♌13'22 | 11♓26 | 27♋20 | 22♍41 | 25♌ 5 | 12♏43 | 21♐24 | 6♊31 | 18♌54 | 17♈38 | 23♌26 | 23♌51 | 19♏50 | 1♊52 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22n46 | 17s26 | 1n39 | 17n33 | 4s42 | 17n17 | 1n38 | 19n59 | 1n12 | 14s26 | 0n58 | 22s23 | 0n59 | 21n13 | 0s 5 | 16n 3 | 0n32 | 8s45 | 17s 0 | 13n37 | 13n 6 | 11s58 | 17n28 | 2s55 | S 1 |
| S 2 | 22 39 | 14 56 | 0 30 | 17 34 | 4 47 | 16 54 | 1 37 | 19 50 | 1 12 | 14 27 | 0 58 | 22 22 | 0 59 | 21 13 | 0 5 | 16 3 | 0 32 | 8 45 | 17 1 | 13 38 | 13 7 | 12 0 | 17 29 | 2 55 | S 2 |
| M 3 | 22 32 | 11 38 | 0s41 | 17 36 | 4 50 | 16 30 | 1 35 | 19 40 | 1 11 | 14 27 | 0 58 | 22 22 | 0 59 | 21 14 | 0 5 | 16 2 | 0 32 | 8 45 | 17 1 | 13 38 | 13 8 | 12 2 | 17 29 | 2 55 | M 3 |
| T 4 | 22 25 | 7 42 | 1 52 | 17 39 | 4 52 | 16 6 | 1 34 | 19 30 | 1 11 | 14 27 | 0 57 | 22 22 | 0 59 | 21 14 | 0 5 | 16 1 | 0 32 | 8 46 | 17 2 | 13 37 | 13 9 | 12 3 | 17 30 | 2 56 | T 4 |
| W 5 | 22 18 | 3 18 | 2 58 | 17 44 | 4 52 | 15 42 | 1 33 | 19 20 | 1 11 | 14 28 | 0 57 | 22 22 | 0 59 | 21 15 | 0 5 | 16 1 | 0 32 | 8 46 | 17 2 | 13 37 | 13 10 | 12 5 | 17 30 | 2 56 | W 5 |
| T 6 | 22 10 | 1n19 | 3 54 | 17 50 | 4 50 | 15 17 | 1 32 | 19 10 | 1 11 | 14 28 | 0 57 | 22 22 | 0 59 | 21 15 | 0 5 | 16 0 | 0 32 | 8 46 | 17 2 | 13 37 | 13 11 | 12 7 | 17 31 | 2 56 | T 6 |
| F 7 | 22 1 | 5 57 | 4 37 | 17 58 | 4 47 | 14 52 | 1 30 | 18 59 | 1 11 | 14 28 | 0 57 | 22 22 | 0 58 | 21 16 | 0 5 | 16 0 | 0 32 | 8 46 | 17 3 | 13 37 | 13 13 | 12 9 | 17 31 | 2 56 | F 7 |
| S 8 | 21 53 | 10 18 | 5 4 | 18 7 | 4 42 | 14 26 | 1 29 | 18 49 | 1 11 | 14 29 | 0 56 | 22 22 | 0 58 | 21 16 | 0 5 | 15 59 | 0 32 | 8 47 | 17 3 | 13 37 | 13 14 | 12 10 | 17 32 | 2 57 | S 8 |
| S 9 | 21 44 | 14 6 | 5 12 | 18 16 | 4 35 | 14 0 | 1 27 | 18 38 | 1 10 | 14 29 | 0 56 | 22 22 | 0 58 | 21 17 | 0 5 | 15 58 | 0 32 | 8 47 | 17 3 | 13 38 | 13 15 | 12 12 | 17 32 | 2 57 | S 9 |
| M10 | 21 34 | 17 4 | 5 0 | 18 27 | 4 27 | 13 34 | 1 25 | 18 27 | 1 10 | 14 30 | 0 56 | 22 22 | 0 58 | 21 17 | 0 5 | 15 58 | 0 32 | 8 47 | 17 4 | 13 39 | 13 16 | 12 14 | 17 33 | 2 57 | M10 |
| T 11 | 21 24 | 18 57 | 4 29 | 18 39 | 4 17 | 13 7 | 1 23 | 18 17 | 1 10 | 14 31 | 0 56 | 22 22 | 0 58 | 21 18 | 0 5 | 15 57 | 0 32 | 8 48 | 17 4 | 13 41 | 13 17 | 12 15 | 17 33 | 2 57 | T 11 |
| W12 | 21 14 | 19 35 | 3 41 | 18 51 | 4 6 | 12 40 | 1 22 | 18 6 | 1 10 | 14 32 | 0 55 | 22 22 | 0 58 | 21 18 | 0 5 | 15 56 | 0 32 | 8 48 | 17 4 | 13 42 | 13 18 | 12 17 | 17 33 | 2 58 | W12 |
| T 13 | 21 3 | 18 58 | 2 40 | 19 4 | 3 54 | 12 13 | 1 20 | 17 54 | 1 10 | 14 32 | 0 55 | 22 22 | 0 58 | 21 19 | 0 5 | 15 56 | 0 32 | 8 48 | 17 5 | 13 43 | 13 19 | 12 19 | 17 34 | 2 58 | T 13 |
| F 14 | 20 52 | 17 10 | 1 30 | 19 18 | 3 41 | 11 45 | 1 18 | 17 43 | 1 10 | 14 33 | 0 55 | 22 22 | 0 58 | 21 19 | 0 5 | 15 55 | 0 32 | 8 49 | 17 5 | 13 44 | 13 20 | 12 21 | 17 34 | 2 58 | F 14 |
| S 15 | 20 41 | 14 26 | 0 16 | 19 31 | 3 27 | 11 18 | 1 15 | 17 32 | 1 9 | 14 34 | 0 55 | 22 22 | 0 57 | 21 20 | 0 5 | 15 54 | 0 32 | 8 49 | 17 5 | 13 44 | 13 21 | 12 22 | 17 35 | 2 58 | S 15 |
| S 16 | 20 30 | 11 1 | 0n56 | 19 45 | 3 13 | 10 49 | 1 13 | 17 20 | 1 9 | 14 35 | 0 54 | 22 22 | 0 57 | 21 20 | 0 5 | 15 54 | 0 32 | 8 49 | 17 6 | 13 44 | 13 22 | 12 24 | 17 35 | 2 59 | S 16 |
| M17 | 20 18 | 7 10 | 2 4 | 19 59 | 2 57 | 10 21 | 1 11 | 17 9 | 1 9 | 14 36 | 0 54 | 22 22 | 0 57 | 21 20 | 0 5 | 15 53 | 0 32 | 8 50 | 17 6 | 13 44 | 13 23 | 12 26 | 17 35 | 2 59 | M17 |
| T 18 | 20 5 | 3 5 | 3 4 | 20 12 | 2 42 | 9 53 | 1 9 | 16 57 | 1 9 | 14 37 | 0 54 | 22 21 | 0 57 | 21 21 | 0 5 | 15 53 | 0 32 | 8 50 | 17 6 | 13 43 | 13 24 | 12 28 | 17 36 | 2 59 | T 18 |
| W19 | 19 53 | 1s 1 | 3 54 | 20 25 | 2 26 | 9 24 | 1 6 | 16 45 | 1 9 | 14 38 | 0 54 | 22 21 | 0 57 | 21 21 | 0 5 | 15 52 | 0 32 | 8 50 | 17 7 | 13 42 | 13 25 | 12 29 | 17 36 | 3 0 | W19 |
| T 20 | 19 40 | 5 0 | 4 33 | 20 38 | 2 10 | 8 55 | 1 4 | 16 33 | 1 8 | 14 39 | 0 53 | 22 21 | 0 57 | 21 22 | 0 4 | 15 51 | 0 32 | 8 51 | 17 7 | 13 42 | 13 26 | 12 31 | 17 36 | 3 0 | T 20 |
| F 21 | 19 26 | 8 45 | 5 0 | 20 50 | 1 54 | 8 25 | 1 1 | 16 21 | 1 8 | 14 41 | 0 53 | 22 21 | 0 57 | 21 22 | 0 4 | 15 51 | 0 32 | 8 51 | 17 7 | 13 42 | 13 27 | 12 33 | 17 37 | 3 0 | F 21 |
| S 22 | 19 13 | 12 7 | 5 13 | 21 0 | 1 37 | 7 56 | 0 58 | 16 9 | 1 8 | 14 42 | 0 53 | 22 21 | 0 56 | 21 22 | 0 4 | 15 50 | 0 32 | 8 51 | 17 8 | 13 42 | 13 29 | 12 35 | 17 37 | 3 0 | S 22 |
| S 23 | 18 59 | 15 1 | 5 14 | 21 10 | 1 21 | 7 26 | 0 56 | 15 57 | 1 8 | 14 43 | 0 53 | 22 21 | 0 56 | 21 23 | 0 4 | 15 49 | 0 32 | 8 52 | 17 8 | 13 43 | 13 30 | 12 36 | 17 37 | 3 1 | S 23 |
| M24 | 18 44 | 17 18 | 5 0 | 21 18 | 1 6 | 6 56 | 0 53 | 15 45 | 1 8 | 14 45 | 0 52 | 22 21 | 0 56 | 21 23 | 0 4 | 15 49 | 0 32 | 8 52 | 17 8 | 13 43 | 13 31 | 12 38 | 17 37 | 3 1 | M24 |
| T 25 | 18 30 | 18 51 | 4 33 | 21 24 | 0 50 | 6 26 | 0 50 | 15 32 | 1 7 | 14 46 | 0 52 | 22 21 | 0 56 | 21 24 | 0 4 | 15 48 | 0 32 | 8 53 | 17 9 | 13 44 | 13 32 | 12 40 | 17 38 | 3 1 | T 25 |
| W26 | 18 15 | 19 32 | 3 53 | 21 29 | 0 35 | 5 56 | 0 47 | 15 20 | 1 7 | 14 47 | 0 52 | 22 21 | 0 56 | 21 24 | 0 4 | 15 47 | 0 32 | 8 53 | 17 9 | 13 45 | 13 33 | 12 41 | 17 38 | 3 1 | W26 |
| T 27 | 18 0 | 19 16 | 3 1 | 21 31 | 0 20 | 5 26 | 0 44 | 15 7 | 1 7 | 14 49 | 0 52 | 22 21 | 0 56 | 21 24 | 0 4 | 15 46 | 0 32 | 8 53 | 17 9 | 13 46 | 13 34 | 12 43 | 17 38 | 3 2 | T 27 |
| F 28 | 17 44 | 18 1 | 1 59 | 21 32 | 0 6 | 4 55 | 0 41 | 14 54 | 1 7 | 14 50 | 0 51 | 22 21 | 0 55 | 21 25 | 0 4 | 15 46 | 0 32 | 8 54 | 17 10 | 13 46 | 13 35 | 12 45 | 17 38 | 3 2 | F 28 |
| S 29 | 17 28 | 15 47 | 0 49 | 21 30 | 0n 7 | 4 25 | 0 38 | 14 41 | 1 6 | 14 52 | 0 51 | 22 21 | 0 55 | 21 25 | 0 4 | 15 45 | 0 32 | 8 54 | 17 10 | 13 46 | 13 36 | 12 47 | 17 38 | 3 2 | S 29 |
| S 30 | 17 12 | 12 40 | 0s24 | 21 25 | 0 20 | 3 54 | 0 34 | 14 28 | 1 6 | 14 54 | 0 51 | 22 21 | 0 55 | 21 25 | 0 4 | 15 44 | 0 32 | 8 55 | 17 10 | 13 46 | 13 37 | 12 48 | 17 39 | 3 3 | S 30 |
| M31 | 16n56 | 8s49 | 1s38 | 21n18 | 0n32 | 3n23 | 0n31 | 14n15 | 1n 6 | 14s55 | 0n51 | 22s22 | 0n55 | 21n26 | 0s 4 | 15n44 | 0n32 | 8s55 | 17s11 | 13n46 | 13n38 | 12s50 | 17n39 | 3s 3 | M31 |

Julian Day Number = 2124840.5, Delta T = 17m25s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'12, Lahiri = 11°23'13 Julian Calendar 1 July 1105 == Greg. Calendar 8 July 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## AUGUST 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 2 29 | 14♌11'08 | 25♓13 | 29♋ 2 | 23♍51 | 25♌44 | 12♏48 | 21°R23 | 6♊33 | 18♌57 | 17°R38 | 23♌27 | 23♌48 | 19♏57 | 1♊54 | T 1 |
| W 2 | 21 6 26 | 15° 8'54 | 9♈11 | 0♌47 | 25° 1 | 26°22 | 12°53 | 21♐21 | 6°35 | 18°59 | 17♈37 | 23°28 | 23°45 | 20° 3 | 1°57 | W 2 |
| T 3 | 21 10 22 | 16° 6'43 | 23°16 | 2°35 | 26°11 | 27° 0 | 12°58 | 21°19 | 6°37 | 19° 1 | 17°37 | 23°29 | 23°42 | 20°10 | 1°59 | T 3 |
| F 4 | 21 14 19 | 17° 4'33 | 7♉27 | 4°26 | 27°20 | 27°38 | 13° 4 | 21°18 | 6°38 | 19° 3 | 17°37 | 23°29 | 23°38 | 20°17 | 2° 1 | F 4 |
| S 5 | 21 18 15 | 18° 2'26 | 21°40 | 6°19 | 28°30 | 28°16 | 13° 9 | 21°16 | 6°40 | 19° 6 | 17°36 | 23°R29 | 23°35 | 20°23 | 2° 3 | S 5 |
| S 6 | 21 22 12 | 19° 0'20 | 5♊55 | 8°14 | 29°39 | 28°55 | 13°15 | 21°15 | 6°42 | 19° 8 | 17°36 | 23°29 | 23°32 | 20°30 | 2° 5 | S 6 |
| M 7 | 21 26 9 | 19°58'16 | 20° 7 | 10°10 | 0♎48 | 29°33 | 13°21 | 21°13 | 6°43 | 19°10 | 17°35 | 23°29 | 23°29 | 20°37 | 2° 6 | M 7 |
| T 8 | 21 30 5 | 20°56'14 | 4♋14 | 12° 7 | 1°58 | 0♍11 | 13°27 | 21°12 | 6°45 | 19°12 | 17°34 | 23°28 | 23°26 | 20°44 | 2° 8 | T 8 |
| W 9 | 21 34 2 | 21°54'14 | 18°13 | 14° 5 | 3° 7 | 0°50 | 13°33 | 21°11 | 6°46 | 19°14 | 17°34 | 23°28 | 23°22 | 20°50 | 2°10 | W 9 |
| T 10 | 21 37 58 | 22°52'15 | 2♌ 1 | 16° 3 | 4°16 | 1°28 | 13°40 | 21°10 | 6°48 | 19°17 | 17°33 | 23°28 | 23°19 | 20°57 | 2°12 | T 10 |
| F 11 | 21 41 55 | 23°50'19 | 15°36 | 18° 1 | 5°25 | 2° 6 | 13°46 | 21° 9 | 6°49 | 19°19 | 17°33 | 23°D28 | 23°16 | 21° 4 | 2°13 | F 11 |
| S 12 | 21 45 51 | 24°48'24 | 28°56 | 20° 0 | 6°34 | 2°45 | 13°53 | 21° 9 | 6°50 | 19°21 | 17°32 | 23°R28 | 23°13 | 21°11 | 2°15 | S 12 |
| S 13 | 21 49 48 | 25°46'31 | 11♍59 | 21°58 | 7°43 | 3°23 | 14° 0 | 21° 8 | 6°51 | 19°23 | 17°32 | 23°28 | 23°10 | 21°17 | 2°16 | S 13 |
| M14 | 21 53 44 | 26°44'39 | 24°45 | 23°55 | 8°52 | 4° 2 | 14° 6 | 21° 7 | 6°53 | 19°26 | 17°31 | 23°28 | 23° 7 | 21°24 | 2°18 | M14 |
| T 15 | 21 57 41 | 27°42'49 | 7♎15 | 25°52 | 10° 0 | 4°40 | 14°14 | 21° 7 | 6°54 | 19°28 | 17°30 | 23°27 | 23° 3 | 21°31 | 2°19 | T 15 |
| W16 | 22 1 38 | 28°41'00 | 19°31 | 27°47 | 11° 9 | 5°19 | 14°21 | 21° 6 | 6°55 | 19°30 | 17°30 | 23°26 | 23° 0 | 21°37 | 2°20 | W16 |
| T 17 | 22 5 34 | 29°39'13 | 1♏35 | 29°42 | 12°17 | 5°57 | 14°28 | 21° 6 | 6°56 | 19°32 | 17°29 | 23°26 | 22°57 | 21°44 | 2°21 | T 17 |
| F 18 | 22 9 31 | 0♍37'28 | 13°32 | 1♍37 | 13°26 | 6°36 | 14°36 | 21° 6 | 6°57 | 19°34 | 17°28 | 23°25 | 22°54 | 21°51 | 2°22 | F 18 |
| S 19 | 22 13 27 | 1°35'44 | 25°25 | 3°30 | 14°34 | 7°14 | 14°43 | 21° 6 | 6°58 | 19°37 | 17°27 | 23°25 | 22°51 | 21°58 | 2°23 | S 19 |
| S 20 | 22 17 24 | 2°34'02 | 7♐20 | 5°22 | 15°42 | 7°53 | 14°51 | 21°D 6 | 6°59 | 19°39 | 17°27 | 23°D25 | 22°47 | 22° 4 | 2°24 | S 20 |
| M21 | 22 21 20 | 3°32'22 | 19°19 | 7°13 | 16°50 | 8°31 | 14°59 | 21° 6 | 7° 0 | 19°41 | 17°26 | 23°25 | 22°44 | 22°11 | 2°25 | M21 |
| T 22 | 22 25 17 | 4°30'43 | 1♑29 | 9° 3 | 17°58 | 9°10 | 15° 7 | 21° 6 | 7° 1 | 19°43 | 17°25 | 23°26 | 22°41 | 22°18 | 2°26 | T 22 |
| W23 | 22 29 13 | 5°29'06 | 13°52 | 10°51 | 19° 5 | 9°49 | 15°15 | 21° 6 | 7° 1 | 19°45 | 17°24 | 23°27 | 22°38 | 22°24 | 2°27 | W23 |
| T 24 | 22 33 10 | 6°27'30 | 26°34 | 12°39 | 20°13 | 10°27 | 15°23 | 21° 6 | 7° 2 | 19°47 | 17°23 | 23°28 | 22°35 | 22°31 | 2°28 | T 24 |
| F 25 | 22 37 7 | 7°25'57 | 9♒35 | 14°25 | 21°20 | 11° 6 | 15°32 | 21° 7 | 7° 3 | 19°50 | 17°23 | 23°29 | 22°32 | 22°38 | 2°28 | F 25 |
| S 26 | 22 41 3 | 8°24'24 | 22°58 | 16°11 | 22°28 | 11°45 | 15°40 | 21° 7 | 7° 3 | 19°52 | 17°22 | 23°R29 | 22°28 | 22°45 | 2°29 | S 26 |
| S 27 | 22 45 0 | 9°22'54 | 6♓41 | 17°55 | 23°35 | 12°24 | 15°49 | 21° 8 | 7° 4 | 19°54 | 17°21 | 23°29 | 22°25 | 22°51 | 2°29 | S 27 |
| M28 | 22 48 56 | 10°21'26 | 20°43 | 19°39 | 24°42 | 13° 2 | 15°58 | 21° 9 | 7° 4 | 19°56 | 17°20 | 23°28 | 22°22 | 22°58 | 2°30 | M28 |
| T 29 | 22 52 53 | 11°19'59 | 4♈59 | 21°21 | 25°49 | 13°41 | 16° 6 | 21°10 | 7° 5 | 19°58 | 17°19 | 23°26 | 22°19 | 23° 5 | 2°30 | T 29 |
| W30 | 22 56 49 | 12°18'35 | 19°24 | 23° 2 | 26°56 | 14°20 | 16°15 | 21°11 | 7° 5 | 20° 0 | 17°18 | 23°24 | 22°16 | 23°12 | 2°31 | W30 |
| T 31 | 23 0 46 | 13♍17'13 | 3♉53 | 24♍42 | 28♎ 2 | 14♍59 | 16♏24 | 21♐12 | 7♊ 6 | 20♌ 2 | 17♈17 | 23♌21 | 22♌13 | 23♏18 | 2♊31 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 16n39 | 4s28 | 2s47 | 21n 9 | 0n43 | 2n52 | 0n28 | 14n 2 | 1n 6 | 14s57 | 0n50 | 22s22 | 0n55 | 21n26 | 0s 4 | 15n43 | 0n32 | 8s56 | 17s11 | 13n46 | 13n39 | 12s52 | 17n39 | 3s 3 | |
| W 2 | 16 22 | 0n11 | 3 47 | 20 56 | 0 53 | 2 21 | 0 24 | 13 49 | 1 6 | 14 59 | 0 50 | 22 22 | 0 55 | 21 26 | 0 4 | 15 42 | 0 32 | 8 56 | 17 11 | 13 46 | 13 40 | 12 53 | 17 39 | 3 4 | |
| T 3 | 16 5 | 4 50 | 4 34 | 20 41 | 1 2 | 1 50 | 0 21 | 13 36 | 1 5 | 15 1 | 0 50 | 22 22 | 0 55 | 21 27 | 0 4 | 15 42 | 0 32 | 8 56 | 17 11 | 13 45 | 13 41 | 12 55 | 17 39 | 3 4 | |
| F 4 | 15 47 | 9 16 | 5 5 | 20 23 | 1 11 | 1 19 | 0 17 | 13 22 | 1 5 | 15 3 | 0 50 | 22 22 | 0 54 | 21 27 | 0 4 | 15 41 | 0 32 | 8 57 | 17 12 | 13 45 | 13 42 | 12 57 | 17 39 | 3 4 | |
| S 5 | 15 30 | 13 10 | 5 17 | 20 3 | 1 18 | 0 48 | 0 13 | 13 9 | 1 5 | 15 5 | 0 49 | 22 22 | 0 54 | 21 27 | 0 4 | 15 40 | 0 32 | 8 57 | 17 12 | 13 45 | 13 43 | 12 59 | 17 39 | 3 4 | |
| S 6 | 15 12 | 16 19 | 5 9 | 19 40 | 1 25 | 0 17 | 0 10 | 12 55 | 1 5 | 15 7 | 0 49 | 22 22 | 0 54 | 21 27 | 0 4 | 15 40 | 0 32 | 8 58 | 17 12 | 13 45 | 13 44 | 13 0 | 17 39 | 3 5 | |
| M 7 | 14 54 | 18 28 | 4 43 | 19 14 | 1 31 | 0s14 | 0 6 | 12 41 | 1 4 | 15 9 | 0 49 | 22 22 | 0 54 | 21 28 | 0 4 | 15 39 | 0 32 | 8 58 | 17 13 | 13 46 | 13 45 | 13 2 | 17 40 | 3 5 | |
| T 8 | 14 35 | 19 29 | 4 0 | 18 46 | 1 35 | 0 45 | 0 2 | 12 27 | 1 4 | 15 11 | 0 49 | 22 22 | 0 54 | 21 28 | 0 4 | 15 38 | 0 32 | 8 59 | 17 13 | 13 46 | 13 46 | 13 4 | 17 40 | 3 5 | |
| W 9 | 14 16 | 19 17 | 3 3 | 18 16 | 1 39 | 1 16 | 0s 2 | 12 14 | 1 4 | 15 13 | 0 48 | 22 22 | 0 54 | 21 28 | 0 4 | 15 38 | 0 32 | 8 59 | 17 13 | 13 46 | 13 48 | 13 5 | 17 40 | 3 6 | |
| T 10 | 13 57 | 17 55 | 1 56 | 17 44 | 1 42 | 1 48 | 0 6 | 12 0 | 1 4 | 15 15 | 0 48 | 22 22 | 0 53 | 21 29 | 0 4 | 15 37 | 0 32 | 9 0 | 17 14 | 13 46 | 13 49 | 13 7 | 17 40 | 3 6 | |
| F 11 | 13 38 | 15 33 | 0 43 | 17 10 | 1 45 | 2 19 | 0 10 | 11 46 | 1 3 | 15 17 | 0 48 | 22 22 | 0 53 | 21 29 | 0 4 | 15 36 | 0 32 | 9 0 | 17 14 | 13 46 | 13 50 | 13 9 | 17 40 | 3 6 | |
| S 12 | 13 19 | 12 22 | 0n30 | 16 34 | 1 46 | 2 50 | 0 14 | 11 31 | 1 3 | 15 19 | 0 48 | 22 22 | 0 53 | 21 29 | 0 4 | 15 36 | 0 32 | 9 1 | 17 14 | 13 46 | 13 51 | 13 10 | 17 40 | 3 7 | |
| S 13 | 12 59 | 8 39 | 1 41 | 15 56 | 1 47 | 3 21 | 0 18 | 11 17 | 1 3 | 15 21 | 0 48 | 22 22 | 0 53 | 21 29 | 0 4 | 15 35 | 0 32 | 9 1 | 17 14 | 13 46 | 13 52 | 13 12 | 17 40 | 3 7 | |
| M14 | 12 39 | 4 37 | 2 45 | 15 18 | 1 47 | 3 52 | 0 22 | 11 3 | 1 3 | 15 24 | 0 47 | 22 23 | 0 53 | 21 29 | 0 4 | 15 34 | 0 32 | 9 2 | 17 15 | 13 46 | 13 53 | 13 14 | 17 40 | 3 7 | |
| T 15 | 12 19 | 0 28 | 3 40 | 14 38 | 1 46 | 4 23 | 0 26 | 10 49 | 1 2 | 15 26 | 0 47 | 22 23 | 0 53 | 21 30 | 0 4 | 15 33 | 0 32 | 9 2 | 17 15 | 13 46 | 13 54 | 13 15 | 17 40 | 3 8 | |
| W16 | 11 59 | 3s37 | 4 23 | 13 57 | 1 45 | 4 54 | 0 30 | 10 34 | 1 2 | 15 28 | 0 47 | 22 23 | 0 52 | 21 30 | 0 4 | 15 33 | 0 32 | 9 3 | 17 15 | 13 46 | 13 55 | 13 17 | 17 39 | 3 8 | |
| T 17 | 11 39 | 7 29 | 4 54 | 13 14 | 1 43 | 5 24 | 0 35 | 10 20 | 1 2 | 15 31 | 0 47 | 22 23 | 0 52 | 21 30 | 0 4 | 15 32 | 0 32 | 9 3 | 17 15 | 13 46 | 13 56 | 13 19 | 17 39 | 3 8 | |
| F 18 | 11 18 | 11 1 | 5 12 | 12 32 | 1 41 | 5 55 | 0 39 | 10 5 | 1 2 | 15 33 | 0 46 | 22 23 | 0 52 | 21 30 | 0 4 | 15 31 | 0 32 | 9 4 | 17 16 | 13 47 | 13 57 | 13 21 | 17 39 | 3 8 | |
| S 19 | 10 57 | 14 5 | 5 16 | 11 48 | 1 38 | 6 26 | 0 43 | 9 50 | 1 1 | 15 36 | 0 46 | 22 23 | 0 52 | 21 30 | 0 4 | 15 31 | 0 32 | 9 4 | 17 16 | 13 47 | 13 58 | 13 22 | 17 39 | 3 9 | |
| S 20 | 10 37 | 16 35 | 5 7 | 11 4 | 1 35 | 6 56 | 0 47 | 9 36 | 1 1 | 15 38 | 0 46 | 22 23 | 0 52 | 21 30 | 0 4 | 15 30 | 0 32 | 9 5 | 17 16 | 13 47 | 13 59 | 13 24 | 17 39 | 3 9 | |
| M21 | 10 15 | 18 23 | 4 45 | 10 19 | 1 31 | 7 26 | 0 52 | 9 21 | 1 1 | 15 41 | 0 46 | 22 24 | 0 52 | 21 31 | 0 4 | 15 29 | 0 32 | 9 5 | 17 16 | 13 47 | 14 0 | 13 26 | 17 39 | 3 9 | |
| T 22 | 9 54 | 19 23 | 4 10 | 9 34 | 1 27 | 7 57 | 0 56 | 9 6 | 1 0 | 15 43 | 0 46 | 22 24 | 0 51 | 21 31 | 0 4 | 15 29 | 0 32 | 9 6 | 17 17 | 13 46 | 14 1 | 13 27 | 17 39 | 3 10 | |
| W23 | 9 33 | 19 29 | 3 22 | 8 48 | 1 23 | 8 27 | 1 1 | 8 51 | 1 0 | 15 46 | 0 45 | 22 24 | 0 51 | 21 31 | 0 4 | 15 28 | 0 32 | 9 6 | 17 17 | 13 46 | 14 2 | 13 29 | 17 39 | 3 10 | |
| T 24 | 9 11 | 18 36 | 2 23 | 8 3 | 1 18 | 8 57 | 1 5 | 8 36 | 1 0 | 15 48 | 0 45 | 22 24 | 0 51 | 21 31 | 0 4 | 15 27 | 0 32 | 9 7 | 17 17 | 13 46 | 14 3 | 13 31 | 17 38 | 3 10 | |
| F 25 | 8 49 | 16 43 | 1 16 | 7 17 | 1 13 | 9 26 | 1 10 | 8 21 | 1 0 | 15 51 | 0 45 | 22 24 | 0 51 | 21 31 | 0 4 | 15 27 | 0 32 | 9 7 | 17 17 | 13 45 | 14 4 | 13 32 | 17 38 | 3 11 | |
| S 26 | 8 27 | 13 53 | 0 3 | 6 31 | 1 7 | 9 56 | 1 14 | 8 6 | 0 59 | 15 54 | 0 45 | 22 25 | 0 51 | 21 31 | 0 4 | 15 26 | 0 32 | 9 8 | 17 18 | 13 45 | 14 5 | 13 34 | 17 38 | 3 11 | |
| S 27 | 8 5 | 10 13 | 1s12 | 5 45 | 1 2 | 10 25 | 1 19 | 7 51 | 0 59 | 15 56 | 0 45 | 22 25 | 0 51 | 21 31 | 0 4 | 15 25 | 0 32 | 9 8 | 17 18 | 13 45 | 14 6 | 13 36 | 17 38 | 3 11 | |
| M28 | 7 43 | 5 55 | 2 25 | 4 59 | 0 56 | 10 54 | 1 23 | 7 36 | 0 59 | 15 59 | 0 44 | 22 25 | 0 51 | 21 31 | 0 4 | 15 25 | 0 32 | 9 9 | 17 18 | 13 46 | 14 7 | 13 37 | 17 38 | 3 12 | |
| T 29 | 7 21 | 1 13 | 3 29 | 4 13 | 0 50 | 11 23 | 1 28 | 7 21 | 0 58 | 16 2 | 0 44 | 22 25 | 0 50 | 21 32 | 0 4 | 15 24 | 0 32 | 9 9 | 17 18 | 13 46 | 14 8 | 13 39 | 17 37 | 3 12 | |
| W30 | 6 58 | 3n36 | 4 21 | 3 27 | 0 43 | 11 52 | 1 32 | 7 5 | 0 58 | 16 5 | 0 44 | 22 25 | 0 50 | 21 32 | 0 4 | 15 23 | 0 32 | 9 10 | 17 18 | 13 47 | 14 9 | 13 41 | 17 37 | 3 12 | |
| T 31 | 6n36 | 8n13 | 4s57 | 2n41 | 0n37 | 12s20 | 1s37 | 6n50 | 0n58 | 16s 7 | 0n44 | 22s26 | 0n50 | 21n32 | 0s 4 | 15n23 | 0n32 | 9s10 | 17s19 | 13n48 | 14n10 | 13s42 | 17n37 | 3s13 | |

Julian Day Number = 2124871.5, Delta T = 17m25s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'17, Lahiri = 11°23'17 Julian Calendar 1 Aug. 1105 == Greg. Calendar 8 Aug. 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## SEPTEMBER 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 4 42 | 14♍15'53 | 18♉21 | 26♍21 | 29♎ 9 | 15♍38 | 16♏34 | 21♐13 | 7♊ 6 | 20♌ 4 | 17°R16 | 23°R19 | 22♌ 9 | 23♏25 | 2♊31 | F 1 |
| S 2 | 23 8 39 | 15°14'36 | 2♊43 | 28° 0 | 0♏15 | 16°17 | 16°43 | 21°14 | 7° 6 | 20° 6 | 17♈16 | 23♌17 | 22° 6 | 23°32 | 2°31 | S 2 |
| S 3 | 23 12 36 | 16°13'21 | 16°55 | 29°37 | 1°21 | 16°55 | 16°52 | 21°15 | 7° 6 | 20° 8 | 17°15 | 23°D17 | 22° 3 | 23°38 | 2°R31 | S 3 |
| M 4 | 23 16 32 | 17°12'08 | 0♋56 | 1♎13 | 2°27 | 17°34 | 17° 2 | 21°17 | 7° 7 | 20°11 | 17°14 | 23°17 | 22° 0 | 23°45 | 2°31 | M 4 |
| T 5 | 23 20 29 | 18°10'58 | 14°44 | 2°48 | 3°33 | 18°13 | 17°12 | 21°18 | 7° 7 | 20°13 | 17°13 | 23°19 | 21°57 | 23°52 | 2°31 | T 5 |
| W 6 | 23 24 25 | 19° 9'50 | 28°19 | 4°23 | 4°39 | 18°52 | 17°21 | 21°20 | 7°R 7 | 20°15 | 17°12 | 23°20 | 21°53 | 23°59 | 2°31 | W 6 |
| T 7 | 23 28 22 | 20° 8'44 | 11♌41 | 5°56 | 5°44 | 19°31 | 17°31 | 21°22 | 7° 7 | 20°17 | 17°11 | 23°22 | 21°50 | 24° 5 | 2°30 | T 7 |
| F 8 | 23 32 18 | 21° 7'40 | 24°51 | 7°29 | 6°49 | 20°10 | 17°41 | 21°24 | 7° 7 | 20°19 | 17°10 | 23°R22 | 21°47 | 24°12 | 2°30 | F 8 |
| S 9 | 23 36 15 | 22° 6'39 | 7♍48 | 9° 0 | 7°54 | 20°50 | 17°51 | 21°25 | 7° 7 | 20°20 | 17° 9 | 23°21 | 21°44 | 24°19 | 2°30 | S 9 |
| S 10 | 23 40 11 | 23° 5'40 | 20°33 | 10°31 | 8°59 | 21°29 | 18° 1 | 21°27 | 7° 6 | 20°22 | 17° 8 | 23°19 | 21°41 | 24°25 | 2°29 | S 10 |
| M11 | 23 44 8 | 24° 4'42 | 3♎ 6 | 12° 1 | 10° 4 | 22° 8 | 18°12 | 21°30 | 7° 6 | 20°24 | 17° 7 | 23°15 | 21°38 | 24°32 | 2°29 | M11 |
| T 12 | 23 48 4 | 25° 3'47 | 15°27 | 13°30 | 11° 8 | 22°47 | 18°22 | 21°32 | 7° 6 | 20°26 | 17° 6 | 23°10 | 21°34 | 24°39 | 2°28 | T 12 |
| W13 | 23 52 1 | 26° 2'54 | 27°38 | 14°58 | 12°13 | 23°26 | 18°32 | 21°34 | 7° 6 | 20°28 | 17° 5 | 23° 4 | 21°31 | 24°46 | 2°27 | W13 |
| T 14 | 23 55 58 | 27° 2'02 | 9♏39 | 16°25 | 13°17 | 24° 5 | 18°43 | 21°36 | 7° 5 | 20°30 | 17° 3 | 22°58 | 21°28 | 24°52 | 2°26 | T 14 |
| F 15 | 23 59 54 | 28° 1'13 | 21°34 | 17°51 | 14°21 | 24°45 | 18°54 | 21°39 | 7° 5 | 20°32 | 17° 2 | 22°52 | 21°25 | 24°59 | 2°26 | F 15 |
| S 16 | 0 3 51 | 29° 0'26 | 3♐26 | 19°16 | 15°24 | 25°24 | 19° 4 | 21°41 | 7° 4 | 20°34 | 17° 1 | 22°48 | 21°22 | 25° 6 | 2°25 | S 16 |
| S 17 | 0 7 47 | 29°59'40 | 15°18 | 20°41 | 16°28 | 26° 3 | 19°15 | 21°44 | 7° 4 | 20°36 | 17° 0 | 22°45 | 21°18 | 25°13 | 2°24 | S 17 |
| M18 | 0 11 44 | 0♎58'56 | 27°15 | 22° 4 | 17°31 | 26°43 | 19°26 | 21°47 | 7° 3 | 20°37 | 16°59 | 22°D44 | 21°15 | 25°19 | 2°23 | M18 |
| T 19 | 0 15 40 | 1°58'15 | 9♑21 | 23°26 | 18°33 | 27°22 | 19°37 | 21°50 | 7° 3 | 20°39 | 16°58 | 22°44 | 21°12 | 25°26 | 2°22 | T 19 |
| W20 | 0 19 37 | 2°57'35 | 21°42 | 24°47 | 19°36 | 28° 1 | 19°48 | 21°53 | 7° 2 | 20°41 | 16°57 | 22°45 | 21° 9 | 25°33 | 2°20 | W20 |
| T 21 | 0 23 33 | 3°56'56 | 4♒22 | 26° 7 | 20°38 | 28°41 | 19°59 | 21°56 | 7° 1 | 20°43 | 16°56 | 22°47 | 21° 6 | 25°39 | 2°19 | T 21 |
| F 22 | 0 27 30 | 4°56'20 | 17°26 | 27°26 | 21°40 | 29°20 | 20°10 | 21°59 | 7° 0 | 20°44 | 16°55 | 22°R48 | 21° 3 | 25°46 | 2°18 | F 22 |
| S 23 | 0 31 27 | 5°55'45 | 0♓55 | 28°44 | 22°42 | 29°59 | 20°22 | 22° 2 | 6°59 | 20°46 | 16°54 | 22°48 | 20°59 | 25°53 | 2°16 | S 23 |
| S 24 | 0 35 23 | 6°55'13 | 14°50 | 0♏ 0 | 23°43 | 0♎39 | 20°33 | 22° 5 | 6°59 | 20°48 | 16°53 | 22°46 | 20°56 | 26° 0 | 2°15 | S 24 |
| M25 | 0 39 20 | 7°54'42 | 29°11 | 1°15 | 24°44 | 1°19 | 20°45 | 22° 9 | 6°58 | 20°49 | 16°51 | 22°42 | 20°53 | 26° 6 | 2°14 | M25 |
| T 26 | 0 43 16 | 8°54'13 | 13♈51 | 2°28 | 25°45 | 1°58 | 20°56 | 22°12 | 6°57 | 20°51 | 16°50 | 22°36 | 20°50 | 26°13 | 2°12 | T 26 |
| W27 | 0 47 13 | 9°53'46 | 28°44 | 3°40 | 26°45 | 2°38 | 21° 8 | 22°16 | 6°56 | 20°53 | 16°49 | 22°28 | 20°47 | 26°20 | 2°10 | W27 |
| T 28 | 0 51 9 | 10°53'22 | 13♉41 | 4°50 | 27°45 | 3°18 | 21°19 | 22°19 | 6°55 | 20°54 | 16°48 | 22°21 | 20°44 | 26°27 | 2° 9 | T 28 |
| F 29 | 0 55 6 | 11°53'00 | 28°33 | 5°58 | 28°45 | 3°57 | 21°31 | 22°23 | 6°53 | 20°56 | 16°47 | 22°14 | 20°40 | 26°33 | 2° 7 | F 29 |
| S 30 | 0 59 2 | 12♎52'40 | 13♊13 | 7♏ 4 | 29♏44 | 4♎37 | 21♏43 | 22♐27 | 6♊52 | 20♌57 | 16♈46 | 22♌ 9 | 20♌37 | 26♏40 | 2♊ 5 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n13 | 12n21 | 5s13 | 1n55 | 0n30 | 12s48 | 1s42 | 6n35 | 0n58 | 16s10 | 0n44 | 22s26 | 0n50 | 21n32 | 0s 4 | 15n22 | 0n32 | 9s11 | 17s19 | 13n49 | 14n11 | 13s44 | 17n36 | 3s13 |
| S 2 | 5 51 | 15 44 | 5 10 | 1 10 | 0 24 | 13 16 | 1 46 | 6 19 | 0 57 | 16 13 | 0 43 | 22 26 | 0 50 | 21 32 | 0 4 | 15 21 | 0 32 | 9 11 | 17 19 | 13 49 | 14 13 | 13 46 | 17 36 | 3 13 |
| S 3 | 5 28 | 18 7 | 4 48 | 0 25 | 0 17 | 13 44 | 1 51 | 6 4 | 0 57 | 16 16 | 0 43 | 22 26 | 0 50 | 21 32 | 0 4 | 15 21 | 0 32 | 9 12 | 17 19 | 13 49 | 14 14 | 13 47 | 17 36 | 3 14 |
| M 4 | 5 5 | 19 24 | 4 9 | 0s20 | 0 10 | 14 11 | 1 55 | 5 48 | 0 57 | 16 19 | 0 43 | 22 27 | 0 49 | 21 32 | 0 4 | 15 20 | 0 32 | 9 12 | 17 19 | 13 49 | 14 15 | 13 49 | 17 35 | 3 14 |
| T 5 | 4 42 | 19 29 | 3 16 | 1 5 | 0 3 | 14 38 | 2 0 | 5 32 | 0 56 | 16 22 | 0 43 | 22 27 | 0 49 | 21 32 | 0 4 | 15 20 | 0 32 | 9 13 | 17 20 | 13 49 | 14 16 | 13 51 | 17 35 | 3 14 |
| W 6 | 4 18 | 18 25 | 2 13 | 1 49 | 0s 5 | 15 5 | 2 4 | 5 17 | 0 56 | 16 25 | 0 43 | 22 27 | 0 49 | 21 32 | 0 4 | 15 19 | 0 32 | 9 13 | 17 20 | 13 48 | 14 17 | 13 52 | 17 35 | 3 15 |
| T 7 | 3 55 | 16 21 | 1 4 | 2 33 | 0 12 | 15 31 | 2 9 | 5 1 | 0 56 | 16 28 | 0 43 | 22 27 | 0 49 | 21 32 | 0 4 | 15 18 | 0 32 | 9 14 | 17 20 | 13 48 | 14 18 | 13 54 | 17 34 | 3 15 |
| F 8 | 3 32 | 13 26 | 0n 8 | 3 16 | 0 19 | 15 57 | 2 13 | 4 45 | 0 55 | 16 31 | 0 42 | 22 28 | 0 49 | 21 32 | 0 4 | 15 18 | 0 32 | 9 14 | 17 20 | 13 48 | 14 19 | 13 56 | 17 34 | 3 15 |
| S 9 | 3 9 | 9 54 | 1 18 | 3 59 | 0 26 | 16 23 | 2 18 | 4 30 | 0 55 | 16 34 | 0 42 | 22 28 | 0 49 | 21 32 | 0 4 | 15 17 | 0 32 | 9 15 | 17 20 | 13 48 | 14 20 | 13 57 | 17 34 | 3 16 |
| S 10 | 2 45 | 5 57 | 2 23 | 4 42 | 0 34 | 16 48 | 2 22 | 4 14 | 0 55 | 16 37 | 0 42 | 22 28 | 0 48 | 21 32 | 0 4 | 15 17 | 0 32 | 9 15 | 17 20 | 13 49 | 14 21 | 13 59 | 17 33 | 3 16 |
| M11 | 2 22 | 1 49 | 3 20 | 5 24 | 0 41 | 17 14 | 2 27 | 3 58 | 0 54 | 16 40 | 0 42 | 22 29 | 0 48 | 21 32 | 0 4 | 15 16 | 0 32 | 9 16 | 17 20 | 13 50 | 14 22 | 14 0 | 17 33 | 3 16 |
| T 12 | 1 58 | 2s19 | 4 7 | 6 6 | 0 48 | 17 38 | 2 31 | 3 42 | 0 54 | 16 43 | 0 42 | 22 29 | 0 48 | 21 32 | 0 4 | 15 15 | 0 32 | 9 16 | 17 21 | 13 52 | 14 23 | 14 2 | 17 32 | 3 17 |
| W13 | 1 35 | 6 18 | 4 41 | 6 47 | 0 56 | 18 3 | 2 36 | 3 26 | 0 54 | 16 46 | 0 41 | 22 29 | 0 48 | 21 32 | 0 4 | 15 15 | 0 32 | 9 17 | 17 21 | 13 54 | 14 24 | 14 4 | 17 32 | 3 17 |
| T 14 | 1 11 | 9 59 | 5 3 | 7 27 | 1 3 | 18 26 | 2 40 | 3 10 | 0 53 | 16 49 | 0 41 | 22 29 | 0 48 | 21 32 | 0 4 | 15 14 | 0 32 | 9 17 | 17 21 | 13 56 | 14 25 | 14 5 | 17 31 | 3 17 |
| F 15 | 0 47 | 13 14 | 5 11 | 8 7 | 1 10 | 18 50 | 2 44 | 2 54 | 0 53 | 16 52 | 0 41 | 22 30 | 0 48 | 21 32 | 0 4 | 15 14 | 0 32 | 9 18 | 17 21 | 13 57 | 14 26 | 14 7 | 17 31 | 3 18 |
| S 16 | 0 24 | 15 56 | 5 6 | 8 46 | 1 18 | 19 13 | 2 49 | 2 38 | 0 53 | 16 55 | 0 41 | 22 30 | 0 48 | 21 32 | 0 4 | 15 13 | 0 32 | 9 18 | 17 21 | 13 59 | 14 27 | 14 9 | 17 30 | 3 18 |
| S 17 | 0 0 | 17 59 | 4 47 | 9 25 | 1 25 | 19 36 | 2 53 | 2 22 | 0 52 | 16 58 | 0 41 | 22 30 | 0 47 | 21 31 | 0 4 | 15 12 | 0 32 | 9 19 | 17 21 | 14 0 | 14 28 | 14 10 | 17 30 | 3 18 |
| M18 | 0s24 | 19 15 | 4 16 | 10 3 | 1 32 | 19 58 | 2 57 | 2 6 | 0 52 | 17 1 | 0 41 | 22 31 | 0 47 | 21 31 | 0 4 | 15 12 | 0 32 | 9 19 | 17 21 | 14 0 | 14 29 | 14 12 | 17 29 | 3 19 |
| T 19 | 0 47 | 19 40 | 3 34 | 10 40 | 1 39 | 20 20 | 3 1 | 1 50 | 0 52 | 17 4 | 0 40 | 22 31 | 0 47 | 21 31 | 0 4 | 15 11 | 0 33 | 9 20 | 17 21 | 14 0 | 14 30 | 14 14 | 17 29 | 3 19 |
| W20 | 1 11 | 19 9 | 2 41 | 11 17 | 1 45 | 20 41 | 3 6 | 1 34 | 0 51 | 17 7 | 0 40 | 22 31 | 0 47 | 21 31 | 0 4 | 15 11 | 0 33 | 9 20 | 17 21 | 14 0 | 14 31 | 14 15 | 17 28 | 3 19 |
| T 21 | 1 35 | 17 40 | 1 38 | 11 52 | 1 52 | 21 2 | 3 10 | 1 18 | 0 51 | 17 11 | 0 40 | 22 32 | 0 47 | 21 31 | 0 4 | 15 10 | 0 33 | 9 21 | 17 21 | 13 59 | 14 32 | 14 17 | 17 28 | 3 19 |
| F 22 | 1 58 | 15 13 | 0 29 | 12 27 | 1 59 | 21 23 | 3 14 | 1 2 | 0 50 | 17 14 | 0 40 | 22 32 | 0 47 | 21 31 | 0 4 | 15 10 | 0 33 | 9 21 | 17 22 | 13 59 | 14 33 | 14 18 | 17 27 | 3 20 |
| S 23 | 2 22 | 11 53 | 0s44 | 13 1 | 2 5 | 21 43 | 3 18 | 0 46 | 0 50 | 17 17 | 0 40 | 22 32 | 0 46 | 21 31 | 0 4 | 15 9 | 0 33 | 9 22 | 17 22 | 13 59 | 14 34 | 14 20 | 17 27 | 3 20 |
| S 24 | 2 46 | 7 47 | 1 56 | 13 34 | 2 11 | 22 2 | 3 21 | 0 30 | 0 50 | 17 20 | 0 40 | 22 33 | 0 46 | 21 31 | 0 4 | 15 9 | 0 33 | 9 22 | 17 22 | 14 0 | 14 35 | 14 22 | 17 26 | 3 20 |
| M25 | 3 9 | 3 8 | 3 4 | 14 6 | 2 17 | 22 21 | 3 25 | 0 14 | 0 49 | 17 23 | 0 40 | 22 33 | 0 46 | 21 30 | 0 4 | 15 8 | 0 33 | 9 23 | 17 22 | 14 1 | 14 36 | 14 23 | 17 26 | 3 21 |
| T 26 | 3 33 | 1n48 | 4 0 | 14 37 | 2 23 | 22 40 | 3 29 | 0s 2 | 0 49 | 17 27 | 0 39 | 22 33 | 0 46 | 21 30 | 0 4 | 15 8 | 0 33 | 9 23 | 17 22 | 14 3 | 14 37 | 14 25 | 17 25 | 3 21 |
| W27 | 3 56 | 6 42 | 4 41 | 15 7 | 2 28 | 22 58 | 3 33 | 0 19 | 0 49 | 17 30 | 0 39 | 22 34 | 0 46 | 21 30 | 0 4 | 15 7 | 0 33 | 9 24 | 17 22 | 14 5 | 14 38 | 14 27 | 17 24 | 3 21 |
| T 28 | 4 20 | 11 11 | 5 4 | 15 36 | 2 34 | 23 16 | 3 36 | 0 35 | 0 48 | 17 33 | 0 39 | 22 34 | 0 46 | 21 30 | 0 4 | 15 7 | 0 33 | 9 24 | 17 22 | 14 8 | 14 39 | 14 28 | 17 24 | 3 22 |
| F 29 | 4 43 | 14 58 | 5 5 | 16 4 | 2 39 | 23 33 | 3 40 | 0 51 | 0 48 | 17 36 | 0 39 | 22 34 | 0 46 | 21 30 | 0 4 | 15 6 | 0 33 | 9 24 | 17 22 | 14 10 | 14 40 | 14 30 | 17 23 | 3 22 |
| S 30 | 5s 7 | 17n45 | 4s47 | 16s30 | 2s43 | 23s49 | 3s43 | 1s 7 | 0n47 | 17s39 | 0n39 | 22s35 | 0n45 | 21n30 | 0s 4 | 15n 6 | 0n33 | 9s25 | 17s22 | 14n12 | 14n41 | 14s31 | 17n22 | 3s22 |

Julian Day Number = 2124902.5, Delta T = 17m24s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'21, Lahiri = 11°23'21 Julian Calendar 1 Sept. 1105 == Greg. Calendar 8 Sept. 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## OCTOBER 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 2 59 | 13♎52'22 | 27♊35 | 8♏ 8 | 0♐43 | 5♎17 | 21♏55 | 22♐30 | 6°R51 | 20♌59 | 16°R45 | 22°R 5 | 20♌34 | 26♏47 | 2°R 3 | S 1 |
| M 2 | 1 6 56 | 14°52'07 | 11♋36 | 9° 9 | 1°41 | 5°56 | 22° 7 | 22°34 | 6♊50 | 21° 0 | 16♈43 | 22°D 4 | 20°31 | 26°53 | 2♊ 1 | M 2 |
| T 3 | 1 10 52 | 15°51'54 | 25°17 | 10° 8 | 2°39 | 6°36 | 22°19 | 22°38 | 6°49 | 21° 2 | 16°42 | 22♌ 4 | 20°28 | 27° 0 | 1°59 | T 3 |
| W 4 | 1 14 49 | 16°51'44 | 8♌38 | 11° 3 | 3°37 | 7°16 | 22°31 | 22°43 | 6°47 | 21° 3 | 16°41 | 22° 5 | 20°24 | 27° 7 | 1°57 | W 4 |
| T 5 | 1 18 45 | 17°51'35 | 21°43 | 11°55 | 4°34 | 7°56 | 22°43 | 22°47 | 6°46 | 21° 5 | 16°40 | 22°R 6 | 20°21 | 27°14 | 1°55 | T 5 |
| F 6 | 1 22 42 | 18°51'29 | 4♍32 | 12°43 | 5°30 | 8°36 | 22°55 | 22°51 | 6°44 | 21° 6 | 16°39 | 22° 5 | 20°18 | 27°20 | 1°53 | F 6 |
| S 7 | 1 26 38 | 19°51'25 | 17°10 | 13°27 | 6°26 | 9°16 | 23° 8 | 22°55 | 6°43 | 21° 7 | 16°38 | 22° 2 | 20°15 | 27°27 | 1°51 | S 7 |
| S 8 | 1 30 35 | 20°51'24 | 29°37 | 14° 7 | 7°22 | 9°56 | 23°20 | 23° 0 | 6°41 | 21° 9 | 16°37 | 21°56 | 20°12 | 27°34 | 1°48 | S 8 |
| M 9 | 1 34 31 | 21°51'24 | 11♎55 | 14°41 | 8°17 | 10°36 | 23°32 | 23° 4 | 6°40 | 21°10 | 16°35 | 21°48 | 20° 9 | 27°40 | 1°46 | M 9 |
| T 10 | 1 38 28 | 22°51'26 | 24° 5 | 15°10 | 9°12 | 11°16 | 23°45 | 23° 9 | 6°38 | 21°11 | 16°34 | 21°37 | 20° 5 | 27°47 | 1°43 | T 10 |
| W11 | 1 42 24 | 23°51'30 | 6♏ 8 | 15°32 | 10° 6 | 11°56 | 23°57 | 23°13 | 6°37 | 21°13 | 16°33 | 21°25 | 20° 2 | 27°54 | 1°41 | W11 |
| T 12 | 1 46 21 | 24°51'36 | 18° 5 | 15°48 | 10°59 | 12°36 | 24°10 | 23°18 | 6°35 | 21°14 | 16°32 | 21°13 | 19°59 | 28° 1 | 1°38 | T 12 |
| F 13 | 1 50 18 | 25°51'44 | 29°58 | 15°R56 | 11°52 | 13°16 | 24°23 | 23°23 | 6°33 | 21°15 | 16°31 | 21° 1 | 19°56 | 28° 7 | 1°36 | F 13 |
| S 14 | 1 54 14 | 26°51'54 | 11♐48 | 15°55 | 12°44 | 13°56 | 24°35 | 23°28 | 6°31 | 21°16 | 16°30 | 20°50 | 19°53 | 28°14 | 1°33 | S 14 |
| S 15 | 1 58 11 | 27°52'05 | 23°39 | 15°47 | 13°35 | 14°36 | 24°48 | 23°33 | 6°30 | 21°17 | 16°29 | 20°43 | 19°50 | 28°21 | 1°31 | S 15 |
| M16 | 2 2 7 | 28°52'18 | 5♑34 | 15°28 | 14°26 | 15°16 | 25° 1 | 23°38 | 6°28 | 21°18 | 16°28 | 20°37 | 19°46 | 28°28 | 1°28 | M16 |
| T 17 | 2 6 4 | 29°52'32 | 17°37 | 15° 1 | 15°16 | 15°57 | 25°14 | 23°43 | 6°26 | 21°19 | 16°26 | 20°35 | 19°43 | 28°34 | 1°25 | T 17 |
| W18 | 2 10 0 | 0♏52'48 | 29°53 | 14°23 | 16° 5 | 16°37 | 25°26 | 23°48 | 6°24 | 21°20 | 16°25 | 20°D34 | 19°40 | 28°41 | 1°22 | W18 |
| T 19 | 2 13 57 | 1°53'06 | 12♒27 | 13°36 | 16°53 | 17°17 | 25°39 | 23°53 | 6°22 | 21°21 | 16°24 | 20°34 | 19°37 | 28°48 | 1°19 | T 19 |
| F 20 | 2 17 53 | 2°53'25 | 25°24 | 12°39 | 17°41 | 17°58 | 25°52 | 23°58 | 6°20 | 21°22 | 16°23 | 20°R34 | 19°34 | 28°54 | 1°17 | F 20 |
| S 21 | 2 21 50 | 3°53'46 | 8♓49 | 11°35 | 18°27 | 18°38 | 26° 5 | 24° 3 | 6°18 | 21°23 | 16°22 | 20°33 | 19°30 | 29° 1 | 1°14 | S 21 |
| S 22 | 2 25 47 | 4°54'08 | 22°43 | 10°23 | 19°13 | 19°18 | 26°18 | 24° 9 | 6°16 | 21°24 | 16°21 | 20°29 | 19°27 | 29° 8 | 1°11 | S 22 |
| M23 | 2 29 43 | 5°54'31 | 7♈ 8 | 9° 6 | 19°58 | 19°59 | 26°31 | 24°14 | 6°14 | 21°25 | 16°20 | 20°23 | 19°24 | 29°15 | 1° 8 | M23 |
| T 24 | 2 33 40 | 6°54'56 | 21°58 | 7°46 | 20°42 | 20°39 | 26°44 | 24°20 | 6°12 | 21°26 | 16°19 | 20°14 | 19°21 | 29°21 | 1° 5 | T 24 |
| W25 | 2 37 36 | 7°55'22 | 7♉ 7 | 6°26 | 21°25 | 21°20 | 26°58 | 24°25 | 6°10 | 21°27 | 16°18 | 20° 4 | 19°18 | 29°28 | 1° 1 | W25 |
| T 26 | 2 41 33 | 8°55'51 | 22°24 | 5° 8 | 22° 6 | 22° 0 | 27°11 | 24°31 | 6° 7 | 21°28 | 16°17 | 19°52 | 19°15 | 29°35 | 0°58 | T 26 |
| F 27 | 2 45 29 | 9°56'21 | 7♊38 | 3°54 | 22°47 | 22°41 | 27°24 | 24°36 | 6° 5 | 21°28 | 16°16 | 19°42 | 19°11 | 29°41 | 0°55 | F 27 |
| S 28 | 2 49 26 | 10°56'52 | 22°39 | 2°48 | 23°26 | 23°21 | 27°37 | 24°42 | 6° 3 | 21°29 | 16°15 | 19°33 | 19° 8 | 29°48 | 0°52 | S 28 |
| S 29 | 2 53 22 | 11°57'26 | 7♋18 | 1°51 | 24° 5 | 24° 2 | 27°50 | 24°48 | 6° 1 | 21°30 | 16°14 | 19°27 | 19° 5 | 29°55 | 0°49 | S 29 |
| M30 | 2 57 19 | 12°58'01 | 21°31 | 1° 5 | 24°42 | 24°43 | 28° 4 | 24°54 | 5°58 | 21°30 | 16°13 | 19°23 | 19° 2 | 0♐ 2 | 0°46 | M30 |
| T 31 | 3 1 16 | 13♏58'39 | 5♌18 | 0♏29 | 25♐17 | 25♎23 | 28♏17 | 25♐ 0 | 5♊56 | 21♌31 | 16♈12 | 19♌22 | 18♌59 | 0♐ 8 | 0♊42 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s30 | 19n21 | 4s10 | 16s55 | 2s47 | 24s 5 | 3s46 | 1s23 | 0n47 | 17s43 | 0n39 | 22s35 | 0n45 | 21n29 | 0s 4 | 15n 5 | 0n33 | 9s25 | 17s22 | 14n13 | 14n42 | 14s33 | 17n22 | 3s23 |
| M 2 | 5 53 | 19 44 | 3 20 | 17 19 | 2 51 | 24 20 | 3 49 | 1 39 | 0 47 | 17 46 | 0 38 | 22 36 | 0 45 | 21 29 | 0 4 | 15 5 | 0 33 | 9 26 | 17 22 | 14 13 | 14 43 | 14 35 | 17 21 | 3 23 |
| T 3 | 6 16 | 18 54 | 2 19 | 17 41 | 2 54 | 24 35 | 3 53 | 1 56 | 0 46 | 17 49 | 0 38 | 22 36 | 0 45 | 21 29 | 0 4 | 15 4 | 0 33 | 9 26 | 17 22 | 14 13 | 14 44 | 14 36 | 17 20 | 3 23 |
| W 4 | 6 39 | 17 2 | 1 12 | 18 1 | 2 57 | 24 50 | 3 56 | 2 12 | 0 46 | 17 52 | 0 38 | 22 36 | 0 45 | 21 29 | 0 4 | 15 4 | 0 33 | 9 27 | 17 22 | 14 13 | 14 45 | 14 38 | 17 20 | 3 23 |
| T 5 | 7 2 | 14 18 | 0 2 | 18 19 | 2 59 | 25 3 | 3 58 | 2 28 | 0 46 | 17 56 | 0 38 | 22 37 | 0 45 | 21 29 | 0 4 | 15 4 | 0 33 | 9 27 | 17 22 | 14 13 | 14 46 | 14 39 | 17 19 | 3 24 |
| F 6 | 7 25 | 10 55 | 1n 6 | 18 36 | 3 1 | 25 17 | 4 1 | 2 44 | 0 45 | 17 59 | 0 38 | 22 37 | 0 45 | 21 28 | 0 4 | 15 3 | 0 33 | 9 27 | 17 22 | 14 13 | 14 47 | 14 41 | 17 18 | 3 24 |
| S 7 | 7 48 | 7 5 | 2 10 | 18 50 | 3 2 | 25 29 | 4 4 | 3 0 | 0 45 | 18 2 | 0 38 | 22 37 | 0 45 | 21 28 | 0 4 | 15 3 | 0 33 | 9 28 | 17 22 | 14 14 | 14 48 | 14 43 | 17 18 | 3 24 |
| S 8 | 8 11 | 3 0 | 3 6 | 19 2 | 3 2 | 25 41 | 4 6 | 3 16 | 0 44 | 18 5 | 0 38 | 22 38 | 0 44 | 21 28 | 0 4 | 15 2 | 0 33 | 9 28 | 17 22 | 14 16 | 14 49 | 14 44 | 17 17 | 3 25 |
| M 9 | 8 33 | 1s 9 | 3 53 | 19 12 | 3 1 | 25 53 | 4 9 | 3 32 | 0 44 | 18 9 | 0 38 | 22 38 | 0 44 | 21 28 | 0 4 | 15 2 | 0 33 | 9 29 | 17 22 | 14 18 | 14 50 | 14 46 | 17 16 | 3 25 |
| T 10 | 8 56 | 5 13 | 4 29 | 19 19 | 2 59 | 26 4 | 4 11 | 3 49 | 0 43 | 18 12 | 0 37 | 22 38 | 0 44 | 21 27 | 0 4 | 15 2 | 0 33 | 9 29 | 17 22 | 14 22 | 14 51 | 14 47 | 17 15 | 3 25 |
| W11 | 9 18 | 9 2 | 4 52 | 19 23 | 2 56 | 26 14 | 4 13 | 4 5 | 0 43 | 18 15 | 0 37 | 22 39 | 0 44 | 21 27 | 0 4 | 15 1 | 0 33 | 9 29 | 17 22 | 14 26 | 14 52 | 14 49 | 17 15 | 3 25 |
| T 12 | 9 40 | 12 28 | 5 2 | 19 24 | 2 52 | 26 24 | 4 15 | 4 21 | 0 43 | 18 18 | 0 37 | 22 39 | 0 44 | 21 27 | 0 4 | 15 1 | 0 33 | 9 30 | 17 22 | 14 30 | 14 53 | 14 51 | 17 14 | 3 26 |
| F 13 | 10 2 | 15 22 | 4 59 | 19 21 | 2 47 | 26 33 | 4 16 | 4 37 | 0 42 | 18 21 | 0 37 | 22 40 | 0 44 | 21 26 | 0 4 | 15 0 | 0 33 | 9 30 | 17 21 | 14 34 | 14 54 | 14 52 | 17 13 | 3 26 |
| S 14 | 10 24 | 17 38 | 4 43 | 19 15 | 2 41 | 26 42 | 4 18 | 4 53 | 0 42 | 18 25 | 0 37 | 22 40 | 0 44 | 21 26 | 0 4 | 15 0 | 0 33 | 9 30 | 17 21 | 14 37 | 14 55 | 14 54 | 17 12 | 3 26 |
| S 15 | 10 46 | 19 10 | 4 15 | 19 4 | 2 32 | 26 50 | 4 19 | 5 9 | 0 41 | 18 28 | 0 37 | 22 40 | 0 43 | 21 26 | 0 4 | 15 0 | 0 33 | 9 31 | 17 21 | 14 39 | 14 56 | 14 55 | 17 12 | 3 26 |
| M16 | 11 7 | 19 51 | 3 35 | 18 50 | 2 23 | 26 57 | 4 21 | 5 25 | 0 41 | 18 31 | 0 37 | 22 41 | 0 43 | 21 26 | 0 4 | 14 59 | 0 33 | 9 31 | 17 21 | 14 41 | 14 57 | 14 57 | 17 11 | 3 27 |
| T 17 | 11 29 | 19 39 | 2 46 | 18 30 | 2 11 | 27 4 | 4 22 | 5 41 | 0 41 | 18 34 | 0 36 | 22 41 | 0 43 | 21 25 | 0 4 | 14 59 | 0 33 | 9 31 | 17 21 | 14 42 | 14 58 | 14 58 | 17 10 | 3 27 |
| W18 | 11 50 | 18 31 | 1 48 | 18 7 | 1 58 | 27 11 | 4 23 | 5 57 | 0 40 | 18 37 | 0 36 | 22 41 | 0 43 | 21 25 | 0 4 | 14 59 | 0 33 | 9 32 | 17 21 | 14 42 | 14 59 | 15 0 | 17 9 | 3 27 |
| T 19 | 12 11 | 16 28 | 0 43 | 17 38 | 1 43 | 27 16 | 4 23 | 6 13 | 0 40 | 18 41 | 0 36 | 22 42 | 0 43 | 21 25 | 0 4 | 14 59 | 0 33 | 9 32 | 17 21 | 14 42 | 15 0 | 15 2 | 17 8 | 3 27 |
| F 20 | 12 32 | 13 31 | 0s26 | 17 5 | 1 27 | 27 21 | 4 24 | 6 28 | 0 39 | 18 44 | 0 36 | 22 42 | 0 43 | 21 24 | 0 4 | 14 58 | 0 33 | 9 32 | 17 21 | 14 42 | 15 1 | 15 3 | 17 8 | 3 28 |
| S 21 | 12 53 | 9 46 | 1 35 | 16 28 | 1 9 | 27 26 | 4 24 | 6 44 | 0 39 | 18 47 | 0 36 | 22 42 | 0 43 | 21 24 | 0 4 | 14 58 | 0 33 | 9 33 | 17 21 | 14 43 | 15 2 | 15 5 | 17 7 | 3 28 |
| S 22 | 13 13 | 5 22 | 2 41 | 15 47 | 0 50 | 27 30 | 4 24 | 7 0 | 0 38 | 18 50 | 0 36 | 22 43 | 0 43 | 21 24 | 0 4 | 14 58 | 0 33 | 9 33 | 17 21 | 14 44 | 15 3 | 15 6 | 17 6 | 3 28 |
| M23 | 13 33 | 0 31 | 3 40 | 15 4 | 0 30 | 27 34 | 4 24 | 7 16 | 0 38 | 18 53 | 0 36 | 22 43 | 0 42 | 21 23 | 0 4 | 14 57 | 0 33 | 9 33 | 17 20 | 14 46 | 15 4 | 15 8 | 17 5 | 3 28 |
| T 24 | 13 53 | 4n30 | 4 25 | 14 18 | 0 9 | 27 37 | 4 24 | 7 32 | 0 37 | 18 57 | 0 36 | 22 44 | 0 42 | 21 23 | 0 4 | 14 57 | 0 33 | 9 33 | 17 20 | 14 48 | 15 5 | 15 9 | 17 4 | 3 28 |
| W25 | 14 13 | 9 20 | 4 53 | 13 33 | 0n12 | 27 39 | 4 23 | 7 47 | 0 37 | 19 0 | 0 36 | 22 44 | 0 42 | 21 22 | 0 4 | 14 57 | 0 33 | 9 34 | 17 20 | 14 52 | 15 6 | 15 11 | 17 3 | 3 29 |
| T 26 | 14 33 | 13 37 | 5 0 | 12 48 | 0 32 | 27 41 | 4 22 | 8 3 | 0 36 | 19 3 | 0 35 | 22 44 | 0 42 | 21 22 | 0 4 | 14 57 | 0 34 | 9 34 | 17 20 | 14 55 | 15 7 | 15 13 | 17 3 | 3 29 |
| F 27 | 14 52 | 16 59 | 4 46 | 12 5 | 0 51 | 27 42 | 4 21 | 8 18 | 0 36 | 19 6 | 0 35 | 22 45 | 0 42 | 21 22 | 0 4 | 14 57 | 0 34 | 9 34 | 17 20 | 14 59 | 15 8 | 15 14 | 17 2 | 3 29 |
| S 28 | 15 11 | 19 9 | 4 12 | 11 25 | 1 9 | 27 43 | 4 20 | 8 34 | 0 35 | 19 9 | 0 35 | 22 45 | 0 42 | 21 21 | 0 4 | 14 56 | 0 34 | 9 34 | 17 20 | 15 2 | 15 9 | 15 16 | 17 1 | 3 29 |
| S 29 | 15 30 | 19 59 | 3 23 | 10 50 | 1 26 | 27 43 | 4 18 | 8 49 | 0 35 | 19 12 | 0 35 | 22 45 | 0 42 | 21 21 | 0 4 | 14 56 | 0 34 | 9 35 | 17 20 | 15 4 | 15 10 | 15 17 | 17 0 | 3 29 |
| M30 | 15 48 | 19 30 | 2 21 | 10 20 | 1 40 | 27 42 | 4 16 | 9 5 | 0 35 | 19 15 | 0 35 | 22 46 | 0 42 | 21 21 | 0 4 | 14 56 | 0 34 | 9 35 | 17 19 | 15 5 | 15 11 | 15 19 | 16 59 | 3 30 |
| T 31 | 16s 7 | 17n51 | 1s14 | 9s56 | 1n53 | 27s42 | 4s14 | 9s20 | 0n34 | 19s18 | 0n35 | 22s46 | 0n42 | 21n20 | 0s 4 | 14n56 | 0n34 | 9s35 | 17s19 | 15n 5 | 15n12 | 15s20 | 16n58 | 3s30 |

Julian Day Number = 2124932.5, Delta T = 17m24s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'25, Lahiri = 11°23'25 Julian Calendar 1 Oct. 1105 == Greg. Calendar 8 Oct. 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## NOVEMBER 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 5 12 | 14♏59'18 | 18♌38 | 0°R 6 | 25♐52 | 26♎ 4 | 28♏30 | 25♐ 6 | 5°R54 | 21♌32 | 16°R11 | 19°R22 | 18♌55 | 0♐15 | 0°R39 | W 1 |
| T 2 | 3 9 9 | 15°59'58 | 1♍36 | 29♎54 | 26°25 | 26°45 | 28°44 | 25°11 | 5♊51 | 21°32 | 16♈10 | 19♌22 | 18°52 | 0°22 | 0♊36 | T 2 |
| F 3 | 3 13 5 | 17° 0'41 | 14°16 | 29°D53 | 26°56 | 27°26 | 28°57 | 25°17 | 5°49 | 21°33 | 16° 9 | 19°20 | 18°49 | 0°29 | 0°32 | F 3 |
| S 4 | 3 17 2 | 18° 1'25 | 26°41 | 0♏ 3 | 27°26 | 28° 7 | 29°11 | 25°24 | 5°47 | 21°33 | 16° 8 | 19°16 | 18°46 | 0°35 | 0°29 | S 4 |
| S 5 | 3 20 58 | 19° 2'10 | 8♎55 | 0°23 | 27°54 | 28°48 | 29°24 | 25°30 | 5°44 | 21°34 | 16° 7 | 19° 9 | 18°43 | 0°42 | 0°25 | S 5 |
| M 6 | 3 24 55 | 20° 2'57 | 21° 1 | 0°51 | 28°21 | 29°28 | 29°37 | 25°36 | 5°42 | 21°34 | 16° 6 | 18°58 | 18°40 | 0°49 | 0°22 | M 6 |
| T 7 | 3 28 51 | 21° 3'46 | 3♏ 2 | 1°28 | 28°46 | 0♏ 9 | 29°51 | 25°42 | 5°39 | 21°34 | 16° 5 | 18°45 | 18°36 | 0°55 | 0°19 | T 7 |
| W 8 | 3 32 48 | 22° 4'36 | 14°58 | 2°13 | 29° 9 | 0°50 | 0♐ 4 | 25°48 | 5°37 | 21°35 | 16° 4 | 18°31 | 18°33 | 1° 2 | 0°15 | W 8 |
| T 9 | 3 36 45 | 23° 5'27 | 26°51 | 3° 3 | 29°31 | 1°31 | 0°18 | 25°55 | 5°35 | 21°35 | 16° 3 | 18°15 | 18°30 | 1° 9 | 0°12 | T 9 |
| F 10 | 3 40 41 | 24° 6'20 | 8♐43 | 4° 0 | 29°50 | 2°12 | 0°31 | 26° 1 | 5°32 | 21°35 | 16° 2 | 18° 1 | 18°27 | 1°16 | 0° 8 | F 10 |
| S 11 | 3 44 38 | 25° 7'13 | 20°34 | 5° 1 | 0♑ 8 | 2°54 | 0°45 | 26° 7 | 5°30 | 21°36 | 16° 2 | 17°48 | 18°24 | 1°22 | 0° 5 | S 11 |
| S 12 | 3 48 34 | 26° 8'08 | 2♑27 | 6° 6 | 0°23 | 3°35 | 0°58 | 26°14 | 5°27 | 21°36 | 16° 1 | 17°38 | 18°21 | 1°29 | 0° 1 | S 12 |
| M13 | 3 52 31 | 27° 9'04 | 14°24 | 7°15 | 0°37 | 4°16 | 1°12 | 26°20 | 5°25 | 21°36 | 16° 0 | 17°30 | 18°17 | 1°36 | 29♉58 | M13 |
| T 14 | 3 56 27 | 28°10'01 | 26°28 | 8°28 | 0°48 | 4°57 | 1°26 | 26°27 | 5°22 | 21°36 | 15°59 | 17°26 | 18°14 | 1°42 | 29°54 | T 14 |
| W15 | 4 0 24 | 29°10'58 | 8♒43 | 9°43 | 0°57 | 5°38 | 1°39 | 26°33 | 5°19 | 21°36 | 15°58 | 17°25 | 18°11 | 1°49 | 29°51 | W15 |
| T 16 | 4 4 20 | 0♐11'56 | 21°13 | 11° 0 | 1° 4 | 6°20 | 1°53 | 26°40 | 5°17 | 21°36 | 15°57 | 17°D24 | 18° 8 | 1°56 | 29°47 | T 16 |
| F 17 | 4 8 17 | 1°12'55 | 4♓ 4 | 12°20 | 1° 8 | 7° 1 | 2° 6 | 26°46 | 5°14 | 21°R36 | 15°57 | 17°R25 | 18° 5 | 2° 3 | 29°44 | F 17 |
| S 18 | 4 12 14 | 2°13'55 | 17°20 | 13°41 | 1°R10 | 7°42 | 2°20 | 26°53 | 5°12 | 21°36 | 15°56 | 17°24 | 18° 1 | 2° 9 | 29°40 | S 18 |
| S 19 | 4 16 10 | 3°14'55 | 1♈ 4 | 15° 4 | 1° 9 | 8°23 | 2°34 | 27° 0 | 5° 9 | 21°36 | 15°55 | 17°21 | 17°58 | 2°16 | 29°37 | S 19 |
| M20 | 4 20 7 | 4°15'56 | 15°18 | 16°28 | 1° 6 | 9° 5 | 2°47 | 27° 6 | 5° 7 | 21°36 | 15°54 | 17°15 | 17°55 | 2°23 | 29°33 | M20 |
| T 21 | 4 24 3 | 5°16'57 | 29°59 | 17°53 | 1° 1 | 9°46 | 3° 1 | 27°13 | 5° 4 | 21°36 | 15°54 | 17° 7 | 17°52 | 2°29 | 29°30 | T 21 |
| W22 | 4 28 0 | 6°17'59 | 15♉ 5 | 19°19 | 0°53 | 10°28 | 3°14 | 27°20 | 5° 2 | 21°36 | 15°53 | 16°58 | 17°49 | 2°36 | 29°26 | W22 |
| T 23 | 4 31 56 | 7°19'02 | 0♊24 | 20°46 | 0°43 | 11° 9 | 3°28 | 27°27 | 4°59 | 21°36 | 15°52 | 16°47 | 17°46 | 2°43 | 29°23 | T 23 |
| F 24 | 4 35 53 | 8°20'06 | 15°46 | 22°14 | 0°30 | 11°51 | 3°41 | 27°33 | 4°56 | 21°36 | 15°52 | 16°37 | 17°42 | 2°50 | 29°19 | F 24 |
| S 25 | 4 39 49 | 9°21'10 | 0♋59 | 23°42 | 0°14 | 12°32 | 3°55 | 27°40 | 4°54 | 21°35 | 15°51 | 16°28 | 17°39 | 2°56 | 29°16 | S 25 |
| S 26 | 4 43 46 | 10°22'16 | 15°53 | 25°11 | 29♐56 | 13°14 | 4° 9 | 27°47 | 4°51 | 21°35 | 15°51 | 16°22 | 17°36 | 3° 3 | 29°12 | S 26 |
| M27 | 4 47 43 | 11°23'22 | 0♌21 | 26°40 | 29°36 | 13°56 | 4°22 | 27°54 | 4°49 | 21°35 | 15°50 | 16°19 | 17°33 | 3°10 | 29° 9 | M27 |
| T 28 | 4 51 39 | 12°24'28 | 14°19 | 28°10 | 29°14 | 14°37 | 4°36 | 28° 1 | 4°46 | 21°34 | 15°49 | 16°D17 | 17°30 | 3°17 | 29° 6 | T 28 |
| W29 | 4 55 36 | 13°25'36 | 27°48 | 29°40 | 28°49 | 15°19 | 4°49 | 28° 8 | 4°44 | 21°34 | 15°49 | 16°18 | 17°27 | 3°23 | 29° 2 | W29 |
| T 30 | 4 59 32 | 14♐26'44 | 10♍51 | 1♐10 | 28♐22 | 16♏ 1 | 5♐ 3 | 28♐15 | 4♊41 | 21♌34 | 15♈48 | 16°R18 | 17♌23 | 3♐30 | 28♉59 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16s25 | 15n15 | 0s 4 | 9s38 | 2n 4 | 27s40 | 4s11 | 9s36 | 0n34 | 19s21 | 0n35 | 22s46 | 0n41 | 21n20 | 0s 4 | 14n56 | 0n34 | 9s35 | 17s19 | 15n 5 | 15n13 | 15s22 | 16n58 | 3s30 | W 1 |
| T 2 | 16 42 | 11 57 | 1n 4 | 9 25 | 2 12 | 27 38 | 4 8 | 9 51 | 0 33 | 19 24 | 0 35 | 22 47 | 0 41 | 21 19 | 0 4 | 14 55 | 0 34 | 9 35 | 17 19 | 15 5 | 15 14 | 15 23 | 16 57 | 3 30 | T 2 |
| F 3 | 17 0 | 8 11 | 2 7 | 9 19 | 2 19 | 27 36 | 4 5 | 10 6 | 0 33 | 19 27 | 0 35 | 22 47 | 0 41 | 21 19 | 0 4 | 14 55 | 0 34 | 9 36 | 17 19 | 15 6 | 15 15 | 15 25 | 16 56 | 3 30 | F 3 |
| S 4 | 17 17 | 4 7 | 3 3 | 9 18 | 2 24 | 27 33 | 4 1 | 10 21 | 0 32 | 19 30 | 0 35 | 22 47 | 0 41 | 21 19 | 0 4 | 14 55 | 0 34 | 9 36 | 17 18 | 15 7 | 15 16 | 15 27 | 16 55 | 3 31 | S 4 |
| S 5 | 17 34 | 0s 2 | 3 50 | 9 21 | 2 27 | 27 29 | 3 57 | 10 36 | 0 32 | 19 33 | 0 34 | 22 48 | 0 41 | 21 18 | 0 4 | 14 55 | 0 34 | 9 36 | 17 18 | 15 9 | 15 17 | 15 28 | 16 54 | 3 31 | S 5 |
| M 6 | 17 50 | 4 9 | 4 25 | 9 30 | 2 29 | 27 25 | 3 53 | 10 51 | 0 31 | 19 36 | 0 34 | 22 48 | 0 41 | 21 18 | 0 4 | 14 55 | 0 34 | 9 36 | 17 18 | 15 12 | 15 18 | 15 30 | 16 53 | 3 31 | M 6 |
| T 7 | 18 7 | 8 4 | 4 48 | 9 42 | 2 30 | 27 21 | 3 48 | 11 6 | 0 31 | 19 39 | 0 34 | 22 48 | 0 41 | 21 17 | 0 4 | 14 55 | 0 34 | 9 36 | 17 18 | 15 16 | 15 19 | 15 31 | 16 52 | 3 31 | T 7 |
| W 8 | 18 22 | 11 39 | 4 59 | 9 58 | 2 29 | 27 16 | 3 43 | 11 21 | 0 30 | 19 42 | 0 34 | 22 49 | 0 41 | 21 17 | 0 4 | 14 55 | 0 34 | 9 36 | 17 18 | 15 21 | 15 20 | 15 33 | 16 52 | 3 31 | W 8 |
| T 9 | 18 38 | 14 45 | 4 56 | 10 17 | 2 27 | 27 11 | 3 37 | 11 36 | 0 30 | 19 45 | 0 34 | 22 49 | 0 41 | 21 16 | 0 4 | 14 55 | 0 34 | 9 36 | 17 17 | 15 26 | 15 21 | 15 34 | 16 51 | 3 31 | T 9 |
| F 10 | 18 53 | 17 15 | 4 40 | 10 38 | 2 25 | 27 5 | 3 32 | 11 51 | 0 29 | 19 48 | 0 34 | 22 49 | 0 40 | 21 16 | 0 4 | 14 55 | 0 34 | 9 37 | 17 17 | 15 30 | 15 22 | 15 36 | 16 50 | 3 31 | F 10 |
| S 11 | 19 8 | 19 1 | 4 13 | 11 2 | 2 22 | 26 58 | 3 25 | 12 5 | 0 29 | 19 51 | 0 34 | 22 49 | 0 40 | 21 16 | 0 4 | 14 55 | 0 34 | 9 37 | 17 17 | 15 34 | 15 23 | 15 37 | 16 49 | 3 32 | S 11 |
| S 12 | 19 23 | 19 58 | 3 34 | 11 27 | 2 17 | 26 52 | 3 18 | 12 20 | 0 28 | 19 54 | 0 34 | 22 50 | 0 40 | 21 15 | 0 4 | 14 55 | 0 34 | 9 37 | 17 17 | 15 37 | 15 24 | 15 39 | 16 48 | 3 32 | S 12 |
| M13 | 19 37 | 20 2 | 2 45 | 11 54 | 2 13 | 26 44 | 3 11 | 12 34 | 0 27 | 19 57 | 0 34 | 22 50 | 0 40 | 21 15 | 0 4 | 14 55 | 0 34 | 9 37 | 17 16 | 15 40 | 15 25 | 15 40 | 16 47 | 3 32 | M13 |
| T 14 | 19 51 | 19 11 | 1 48 | 12 23 | 2 8 | 26 36 | 3 3 | 12 49 | 0 27 | 20 0 | 0 34 | 22 50 | 0 40 | 21 14 | 0 4 | 14 55 | 0 34 | 9 37 | 17 16 | 15 41 | 15 26 | 15 42 | 16 46 | 3 32 | T 14 |
| W15 | 20 4 | 17 26 | 0 46 | 12 52 | 2 2 | 26 28 | 2 55 | 13 3 | 0 26 | 20 3 | 0 33 | 22 51 | 0 40 | 21 14 | 0 4 | 14 55 | 0 34 | 9 37 | 17 16 | 15 41 | 15 27 | 15 43 | 16 46 | 3 32 | W15 |
| T 16 | 20 17 | 14 49 | 0s20 | 13 22 | 1 56 | 26 19 | 2 47 | 13 17 | 0 26 | 20 5 | 0 33 | 22 51 | 0 40 | 21 13 | 0 4 | 14 55 | 0 34 | 9 37 | 17 16 | 15 41 | 15 28 | 15 45 | 16 45 | 3 32 | T 16 |
| F 17 | 20 30 | 11 25 | 1 27 | 13 52 | 1 50 | 26 10 | 2 37 | 13 31 | 0 25 | 20 8 | 0 33 | 22 51 | 0 40 | 21 13 | 0 4 | 14 55 | 0 34 | 9 37 | 17 15 | 15 41 | 15 29 | 15 46 | 16 44 | 3 32 | F 17 |
| S 18 | 20 42 | 7 21 | 2 31 | 14 23 | 1 43 | 26 1 | 2 28 | 13 45 | 0 25 | 20 11 | 0 33 | 22 51 | 0 40 | 21 12 | 0 4 | 14 55 | 0 34 | 9 37 | 17 15 | 15 42 | 15 30 | 15 48 | 16 43 | 3 32 | S 18 |
| S 19 | 20 54 | 2 47 | 3 29 | 14 54 | 1 36 | 25 50 | 2 18 | 13 59 | 0 24 | 20 14 | 0 33 | 22 52 | 0 40 | 21 12 | 0 4 | 14 55 | 0 34 | 9 37 | 17 15 | 15 43 | 15 31 | 15 49 | 16 42 | 3 32 | S 19 |
| M20 | 21 6 | 2n 6 | 4 17 | 15 25 | 1 30 | 25 40 | 2 7 | 14 13 | 0 24 | 20 17 | 0 33 | 22 52 | 0 39 | 21 12 | 0 4 | 14 55 | 0 34 | 9 37 | 17 14 | 15 44 | 15 32 | 15 51 | 16 41 | 3 33 | M20 |
| T 21 | 21 17 | 7 1 | 4 49 | 15 55 | 1 22 | 25 29 | 1 56 | 14 27 | 0 23 | 20 19 | 0 33 | 22 52 | 0 39 | 21 11 | 0 4 | 14 55 | 0 34 | 9 37 | 17 14 | 15 47 | 15 33 | 15 52 | 16 41 | 3 33 | T 21 |
| W22 | 21 28 | 11 38 | 5 2 | 16 26 | 1 15 | 25 17 | 1 44 | 14 40 | 0 23 | 20 22 | 0 33 | 22 52 | 0 39 | 21 11 | 0 4 | 14 55 | 0 34 | 9 37 | 17 14 | 15 50 | 15 34 | 15 54 | 16 40 | 3 33 | W22 |
| T 23 | 21 38 | 15 33 | 4 53 | 16 56 | 1 8 | 25 5 | 1 32 | 14 54 | 0 22 | 20 25 | 0 33 | 22 53 | 0 39 | 21 10 | 0 4 | 14 55 | 0 34 | 9 37 | 17 14 | 15 53 | 15 35 | 15 55 | 16 39 | 3 33 | T 23 |
| F 24 | 21 48 | 18 25 | 4 24 | 17 26 | 1 1 | 24 53 | 1 19 | 15 7 | 0 21 | 20 27 | 0 33 | 22 53 | 0 39 | 21 10 | 0 4 | 14 55 | 0 34 | 9 37 | 17 13 | 15 56 | 15 36 | 15 57 | 16 38 | 3 33 | F 24 |
| S 25 | 21 58 | 19 57 | 3 36 | 17 56 | 0 53 | 24 40 | 1 6 | 15 21 | 0 21 | 20 30 | 0 33 | 22 53 | 0 39 | 21 9 | 0 4 | 14 55 | 0 34 | 9 37 | 17 13 | 15 59 | 15 37 | 15 58 | 16 37 | 3 33 | S 25 |
| S 26 | 22 7 | 20 3 | 2 34 | 18 24 | 0 46 | 24 26 | 0 53 | 15 34 | 0 20 | 20 32 | 0 33 | 22 53 | 0 39 | 21 9 | 0 4 | 14 55 | 0 34 | 9 37 | 17 13 | 16 0 | 15 38 | 16 0 | 16 37 | 3 33 | S 26 |
| M27 | 22 15 | 18 48 | 1 24 | 18 53 | 0 39 | 24 12 | 0 39 | 15 47 | 0 20 | 20 35 | 0 33 | 22 53 | 0 39 | 21 8 | 0 4 | 14 55 | 0 34 | 9 37 | 17 12 | 16 1 | 15 39 | 16 1 | 16 36 | 3 33 | M27 |
| T 28 | 22 23 | 16 27 | 0 11 | 19 20 | 0 31 | 23 58 | 0 25 | 16 0 | 0 19 | 20 38 | 0 32 | 22 54 | 0 39 | 21 8 | 0 4 | 14 55 | 0 35 | 9 37 | 17 12 | 16 2 | 15 40 | 16 3 | 16 35 | 3 33 | T 28 |
| W29 | 22 31 | 13 15 | 1n 1 | 19 47 | 0 24 | 23 43 | 0 10 | 16 13 | 0 19 | 20 40 | 0 32 | 22 54 | 0 39 | 21 8 | 0 4 | 14 56 | 0 35 | 9 37 | 17 12 | 16 2 | 15 41 | 16 4 | 16 34 | 3 33 | W29 |
| T 30 | 22s38 | 9n29 | 2n 7 | 20s13 | 0n17 | 23s28 | 0n 5 | 16s25 | 0n18 | 20s43 | 0n32 | 22s54 | 0n39 | 21n 7 | 0s 4 | 14n56 | 0n35 | 9s37 | 17s11 | 16n 1 | 15n42 | 16s 6 | 16n34 | 3s33 | T 30 |

Julian Day Number = 2124963.5, Delta T = 17m24s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'29, Lahiri = 11°23'30 Julian Calendar 1 Nov. 1105 == Greg. Calendar 8 Nov. 1105


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# ASTRODIENST EPHEMERIS for the year 1105
# geocentric

## DECEMBER 1105 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 3 29 | 15♐27'54 | 23♍32 | 2♐41 | 27°R54 | 16♏43 | 5♐16 | 28♐22 | 4°R39 | 21°R33 | 15°R48 | 16°R18 | 17♌20 | 3♐37 | 28°R56 | F 1 |
| S 2 | 5 7 25 | 16°29'04 | 5♎54 | 4°12 | 27♐24 | 17°24 | 5°30 | 28°29 | 4♊36 | 21♌33 | 15♈47 | 16♌16 | 17°17 | 3°43 | 28♉52 | S 2 |
| S 3 | 5 11 22 | 17°30'14 | 18° 4 | 5°44 | 26°52 | 18° 6 | 5°43 | 28°36 | 4°34 | 21°32 | 15°47 | 16°11 | 17°14 | 3°50 | 28°49 | S 3 |
| M 4 | 5 15 18 | 18°31'25 | 0♏ 4 | 7°15 | 26°19 | 18°48 | 5°57 | 28°43 | 4°31 | 21°32 | 15°46 | 16° 4 | 17°11 | 3°57 | 28°46 | M 4 |
| T 5 | 5 19 15 | 19°32'37 | 11°58 | 8°47 | 25°44 | 19°30 | 6°10 | 28°50 | 4°29 | 21°31 | 15°46 | 15°55 | 17° 7 | 4° 4 | 28°42 | T 5 |
| W 6 | 5 23 12 | 20°33'49 | 23°50 | 10°19 | 25° 9 | 20°12 | 6°24 | 28°57 | 4°26 | 21°30 | 15°46 | 15°44 | 17° 4 | 4°10 | 28°39 | W 6 |
| T 7 | 5 27 8 | 21°35'02 | 5♐42 | 11°52 | 24°33 | 20°54 | 6°37 | 29° 4 | 4°24 | 21°30 | 15°45 | 15°33 | 17° 1 | 4°17 | 28°36 | T 7 |
| F 8 | 5 31 5 | 22°36'15 | 17°34 | 13°25 | 23°57 | 21°36 | 6°50 | 29°11 | 4°22 | 21°29 | 15°45 | 15°22 | 16°58 | 4°24 | 28°33 | F 8 |
| S 9 | 5 35 1 | 23°37'28 | 29°30 | 14°58 | 23°20 | 22°18 | 7° 4 | 29°18 | 4°19 | 21°28 | 15°45 | 15°12 | 16°55 | 4°30 | 28°30 | S 9 |
| S 10 | 5 38 58 | 24°38'42 | 11♑29 | 16°31 | 22°44 | 23° 0 | 7°17 | 29°25 | 4°17 | 21°28 | 15°44 | 15° 5 | 16°52 | 4°37 | 28°27 | S 10 |
| M11 | 5 42 54 | 25°39'55 | 23°34 | 18° 5 | 22° 8 | 23°42 | 7°30 | 29°32 | 4°15 | 21°27 | 15°44 | 15° 0 | 16°48 | 4°44 | 28°24 | M11 |
| T 12 | 5 46 51 | 26°41'09 | 5♒47 | 19°38 | 21°32 | 24°24 | 7°44 | 29°39 | 4°12 | 21°26 | 15°44 | 14°57 | 16°45 | 4°51 | 28°21 | T 12 |
| W13 | 5 50 48 | 27°42'22 | 18° 9 | 21°13 | 20°57 | 25° 7 | 7°57 | 29°46 | 4°10 | 21°25 | 15°43 | 14°D57 | 16°42 | 4°57 | 28°18 | W13 |
| T 14 | 5 54 44 | 28°43'35 | 0♓45 | 22°47 | 20°24 | 25°49 | 8°10 | 29°53 | 4° 8 | 21°25 | 15°43 | 14°58 | 16°39 | 5° 4 | 28°15 | T 14 |
| F 15 | 5 58 41 | 29°44'47 | 13°37 | 24°22 | 19°51 | 26°31 | 8°23 | 0♑ 0 | 4° 5 | 21°24 | 15°43 | 14°59 | 16°36 | 5°11 | 28°12 | F 15 |
| S 16 | 6 2 37 | 0♑45'59 | 26°49 | 25°57 | 19°20 | 27°13 | 8°36 | 0° 7 | 4° 3 | 21°23 | 15°43 | 15°R 0 | 16°33 | 5°17 | 28° 9 | S 16 |
| S 17 | 6 6 34 | 1°47'11 | 10♈24 | 27°33 | 18°51 | 27°56 | 8°49 | 0°14 | 4° 1 | 21°22 | 15°43 | 15° 0 | 16°29 | 5°24 | 28° 7 | S 17 |
| M18 | 6 10 30 | 2°48'22 | 24°24 | 29° 9 | 18°23 | 28°38 | 9° 2 | 0°22 | 3°59 | 21°21 | 15°42 | 14°58 | 16°26 | 5°31 | 28° 4 | M18 |
| T 19 | 6 14 27 | 3°49'33 | 8♉48 | 0♑45 | 17°58 | 29°21 | 9°15 | 0°29 | 3°57 | 21°20 | 15°42 | 14°54 | 16°23 | 5°38 | 28° 1 | T 19 |
| W20 | 6 18 23 | 4°50'44 | 23°34 | 2°22 | 17°34 | 0♐ 3 | 9°28 | 0°36 | 3°55 | 21°19 | 15°42 | 14°48 | 16°20 | 5°44 | 27°59 | W20 |
| T 21 | 6 22 20 | 5°51'54 | 8♊36 | 3°59 | 17°13 | 0°45 | 9°41 | 0°43 | 3°53 | 21°18 | 15°42 | 14°42 | 16°17 | 5°51 | 27°56 | T 21 |
| F 22 | 6 26 17 | 6°53'03 | 23°45 | 5°37 | 16°54 | 1°28 | 9°54 | 0°50 | 3°51 | 21°17 | 15°42 | 14°36 | 16°13 | 5°58 | 27°53 | F 22 |
| S 23 | 6 30 13 | 7°54'12 | 8♋50 | 7°15 | 16°37 | 2°10 | 10° 7 | 0°57 | 3°49 | 21°16 | 15°42 | 14°31 | 16°10 | 6° 4 | 27°51 | S 23 |
| S 24 | 6 34 10 | 8°55'21 | 23°43 | 8°53 | 16°23 | 2°53 | 10°20 | 1° 4 | 3°47 | 21°14 | 15°D42 | 14°28 | 16° 7 | 6°11 | 27°49 | S 24 |
| M25 | 6 38 6 | 9°56'29 | 8♌16 | 10°32 | 16°12 | 3°36 | 10°33 | 1°11 | 3°45 | 21°13 | 15°42 | 14°D26 | 16° 4 | 6°18 | 27°46 | M25 |
| T 26 | 6 42 3 | 10°57'37 | 22°23 | 12°12 | 16° 3 | 4°18 | 10°45 | 1°18 | 3°43 | 21°12 | 15°42 | 14°27 | 16° 1 | 6°25 | 27°44 | T 26 |
| W27 | 6 45 59 | 11°58'45 | 6♍ 2 | 13°52 | 15°56 | 5° 1 | 10°58 | 1°25 | 3°41 | 21°11 | 15°42 | 14°28 | 15°58 | 6°31 | 27°42 | W27 |
| T 28 | 6 49 56 | 12°59'52 | 19°15 | 15°32 | 15°52 | 5°44 | 11°10 | 1°32 | 3°39 | 21°10 | 15°42 | 14°29 | 15°54 | 6°38 | 27°40 | T 28 |
| F 29 | 6 53 52 | 14° 0'59 | 2♎ 2 | 17°13 | 15°D50 | 6°26 | 11°23 | 1°39 | 3°37 | 21° 9 | 15°42 | 14°31 | 15°51 | 6°45 | 27°37 | F 29 |
| S 30 | 6 57 49 | 15° 2'06 | 14°30 | 18°55 | 15°51 | 7° 9 | 11°36 | 1°46 | 3°35 | 21° 7 | 15°42 | 14°R32 | 15°48 | 6°51 | 27°35 | S 30 |
| S 31 | 7 1 46 | 16♑ 3'12 | 26♎41 | 20♑37 | 15♐54 | 7♐52 | 11♐48 | 1♑53 | 3♊34 | 21♌ 6 | 15♈43 | 14♌31 | 15♌45 | 6♐58 | 27♉33 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s45 | 5n25 | 3n 5 | 20s38 | 0n 9 | 23s12 | 0n20 | 16s38 | 0n17 | 20s45 | 0n32 | 22s54 | 0n39 | 21n 7 | 0s 4 | 14n56 | 0n35 | 9s37 | 17s11 | 16n 2 | 15n43 | 16s 7 | 16n33 | 3s33 |
| S 2 | 22 52 | 1 12 | 3 53 | 21 3 | 0 2 | 22 56 | 0 36 | 16 50 | 0 17 | 20 48 | 0 32 | 22 54 | 0 38 | 21 6 | 0 4 | 14 56 | 0 35 | 9 36 | 17 11 | 16 2 | 15 44 | 16 9 | 16 32 | 3 33 |
| S 3 | 22 58 | 2s58 | 4 29 | 21 26 | 0s 5 | 22 40 | 0 51 | 17 3 | 0 16 | 20 50 | 0 32 | 22 54 | 0 38 | 21 6 | 0 4 | 14 56 | 0 35 | 9 36 | 17 10 | 16 4 | 15 45 | 16 10 | 16 31 | 3 33 |
| M 4 | 23 3 | 6 59 | 4 53 | 21 49 | 0 12 | 22 23 | 1 7 | 17 15 | 0 16 | 20 53 | 0 32 | 22 55 | 0 38 | 21 5 | 0 4 | 14 57 | 0 35 | 9 36 | 17 10 | 16 6 | 15 46 | 16 12 | 16 31 | 3 33 |
| T 5 | 23 8 | 10 41 | 5 4 | 22 10 | 0 18 | 22 7 | 1 22 | 17 27 | 0 15 | 20 55 | 0 32 | 22 55 | 0 38 | 21 5 | 0 4 | 14 57 | 0 35 | 9 36 | 17 10 | 16 8 | 15 47 | 16 13 | 16 30 | 3 33 |
| W 6 | 23 13 | 13 57 | 5 2 | 22 31 | 0 25 | 21 50 | 1 38 | 17 39 | 0 14 | 20 57 | 0 32 | 22 55 | 0 38 | 21 4 | 0 3 | 14 57 | 0 35 | 9 36 | 17 9 | 16 12 | 15 48 | 16 15 | 16 29 | 3 33 |
| T 7 | 23 17 | 16 40 | 4 46 | 22 51 | 0 32 | 21 33 | 1 54 | 17 51 | 0 14 | 21 0 | 0 32 | 22 55 | 0 38 | 21 4 | 0 3 | 14 57 | 0 35 | 9 36 | 17 9 | 16 15 | 15 49 | 16 16 | 16 29 | 3 33 |
| F 8 | 23 21 | 18 41 | 4 18 | 23 9 | 0 38 | 21 16 | 2 9 | 18 2 | 0 13 | 21 2 | 0 32 | 22 55 | 0 38 | 21 4 | 0 3 | 14 57 | 0 35 | 9 35 | 17 9 | 16 18 | 15 50 | 16 18 | 16 28 | 3 33 |
| S 9 | 23 24 | 19 54 | 3 39 | 23 26 | 0 44 | 20 59 | 2 24 | 18 14 | 0 12 | 21 4 | 0 32 | 22 55 | 0 38 | 21 3 | 0 3 | 14 58 | 0 35 | 9 35 | 17 8 | 16 21 | 15 50 | 16 19 | 16 27 | 3 33 |
| S 10 | 23 27 | 20 14 | 2 50 | 23 42 | 0 51 | 20 43 | 2 39 | 18 25 | 0 12 | 21 7 | 0 32 | 22 55 | 0 38 | 21 3 | 0 3 | 14 58 | 0 35 | 9 35 | 17 8 | 16 23 | 15 51 | 16 21 | 16 27 | 3 33 |
| M11 | 23 29 | 19 38 | 1 53 | 23 57 | 0 57 | 20 26 | 2 53 | 18 36 | 0 11 | 21 9 | 0 32 | 22 55 | 0 38 | 21 2 | 0 3 | 14 58 | 0 35 | 9 35 | 17 8 | 16 25 | 15 52 | 16 22 | 16 26 | 3 33 |
| T 12 | 23 31 | 18 7 | 0 49 | 24 11 | 1 2 | 20 10 | 3 7 | 18 47 | 0 11 | 21 11 | 0 32 | 22 55 | 0 38 | 21 2 | 0 3 | 14 59 | 0 35 | 9 35 | 17 7 | 16 26 | 15 53 | 16 23 | 16 25 | 3 33 |
| W13 | 23 32 | 15 44 | 0s17 | 24 23 | 1 8 | 19 54 | 3 21 | 18 58 | 0 10 | 21 13 | 0 31 | 22 56 | 0 38 | 21 1 | 0 3 | 14 59 | 0 35 | 9 34 | 17 7 | 16 26 | 15 54 | 16 25 | 16 25 | 3 33 |
| T 14 | 23 33 | 12 34 | 1 24 | 24 35 | 1 13 | 19 39 | 3 34 | 19 9 | 0 9 | 21 15 | 0 31 | 22 56 | 0 38 | 21 1 | 0 3 | 14 59 | 0 35 | 9 34 | 17 7 | 16 25 | 15 55 | 16 26 | 16 24 | 3 33 |
| F 15 | 23 33 | 8 45 | 2 29 | 24 44 | 1 19 | 19 24 | 3 47 | 19 20 | 0 9 | 21 18 | 0 31 | 22 56 | 0 37 | 21 1 | 0 3 | 14 59 | 0 35 | 9 34 | 17 6 | 16 25 | 15 56 | 16 28 | 16 24 | 3 33 |
| S 16 | 23 33 | 4 26 | 3 27 | 24 53 | 1 24 | 19 10 | 3 59 | 19 30 | 0 8 | 21 20 | 0 31 | 22 56 | 0 37 | 21 0 | 0 3 | 15 0 | 0 35 | 9 34 | 17 6 | 16 25 | 15 57 | 16 29 | 16 23 | 3 33 |
| S 17 | 23 32 | 0n13 | 4 15 | 25 0 | 1 28 | 18 56 | 4 10 | 19 40 | 0 7 | 21 22 | 0 31 | 22 56 | 0 37 | 21 0 | 0 3 | 15 0 | 0 35 | 9 33 | 17 6 | 16 25 | 15 58 | 16 31 | 16 22 | 3 33 |
| M18 | 23 31 | 5 0 | 4 50 | 25 6 | 1 33 | 18 43 | 4 21 | 19 51 | 0 7 | 21 24 | 0 31 | 22 56 | 0 37 | 20 59 | 0 3 | 15 0 | 0 35 | 9 33 | 17 5 | 16 25 | 15 59 | 16 32 | 16 22 | 3 33 |
| T 19 | 23 30 | 9 38 | 5 8 | 25 10 | 1 37 | 18 31 | 4 31 | 20 0 | 0 6 | 21 26 | 0 31 | 22 56 | 0 37 | 20 59 | 0 3 | 15 1 | 0 35 | 9 33 | 17 5 | 16 27 | 16 0 | 16 34 | 16 21 | 3 33 |
| W20 | 23 28 | 13 49 | 5 6 | 25 13 | 1 41 | 18 19 | 4 40 | 20 10 | 0 5 | 21 28 | 0 31 | 22 56 | 0 37 | 20 59 | 0 3 | 15 1 | 0 35 | 9 33 | 17 5 | 16 28 | 16 1 | 16 35 | 16 21 | 3 33 |
| T 21 | 23 25 | 17 10 | 4 44 | 25 14 | 1 45 | 18 9 | 4 49 | 20 20 | 0 5 | 21 30 | 0 31 | 22 56 | 0 37 | 20 58 | 0 3 | 15 1 | 0 35 | 9 32 | 17 4 | 16 30 | 16 2 | 16 36 | 16 20 | 3 33 |
| F 22 | 23 22 | 19 24 | 4 1 | 25 14 | 1 48 | 17 59 | 4 57 | 20 29 | 0 4 | 21 32 | 0 31 | 22 56 | 0 37 | 20 58 | 0 3 | 15 2 | 0 35 | 9 32 | 17 4 | 16 32 | 16 3 | 16 38 | 16 20 | 3 33 |
| S 23 | 23 19 | 20 14 | 3 2 | 25 13 | 1 52 | 17 50 | 5 4 | 20 38 | 0 3 | 21 34 | 0 31 | 22 56 | 0 37 | 20 58 | 0 3 | 15 2 | 0 35 | 9 32 | 17 3 | 16 33 | 16 4 | 16 39 | 16 19 | 3 33 |
| S 24 | 23 15 | 19 39 | 1 51 | 25 9 | 1 54 | 17 42 | 5 11 | 20 48 | 0 3 | 21 36 | 0 31 | 22 56 | 0 37 | 20 57 | 0 3 | 15 3 | 0 35 | 9 31 | 17 3 | 16 34 | 16 5 | 16 41 | 16 19 | 3 33 |
| M25 | 23 11 | 17 45 | 0 34 | 25 5 | 1 57 | 17 35 | 5 17 | 20 56 | 0 2 | 21 38 | 0 31 | 22 56 | 0 37 | 20 57 | 0 3 | 15 3 | 0 35 | 9 31 | 17 3 | 16 35 | 16 6 | 16 42 | 16 18 | 3 32 |
| T 26 | 23 6 | 14 48 | 0n43 | 24 58 | 1 59 | 17 28 | 5 22 | 21 5 | 0 1 | 21 39 | 0 31 | 22 56 | 0 37 | 20 56 | 0 3 | 15 3 | 0 35 | 9 31 | 17 2 | 16 35 | 16 7 | 16 44 | 16 18 | 3 32 |
| W27 | 23 1 | 11 8 | 1 55 | 24 50 | 2 1 | 17 23 | 5 27 | 21 14 | 0 1 | 21 41 | 0 31 | 22 56 | 0 37 | 20 56 | 0 3 | 15 4 | 0 35 | 9 30 | 17 2 | 16 34 | 16 8 | 16 45 | 16 18 | 3 32 |
| T 28 | 22 55 | 7 1 | 2 59 | 24 40 | 2 3 | 17 18 | 5 31 | 21 22 | 0s 0 | 21 43 | 0 31 | 22 56 | 0 37 | 20 56 | 0 3 | 15 4 | 0 35 | 9 30 | 17 2 | 16 34 | 16 9 | 16 46 | 16 17 | 3 32 |
| F 29 | 22 49 | 2 43 | 3 51 | 24 29 | 2 4 | 17 14 | 5 35 | 21 30 | 0 1 | 21 45 | 0 31 | 22 56 | 0 37 | 20 55 | 0 3 | 15 5 | 0 35 | 9 29 | 17 1 | 16 33 | 16 10 | 16 48 | 16 17 | 3 32 |
| S 30 | 22 42 | 1s34 | 4 32 | 24 16 | 2 4 | 17 11 | 5 38 | 21 38 | 0 2 | 21 47 | 0 31 | 22 56 | 0 36 | 20 55 | 0 3 | 15 5 | 0 35 | 9 29 | 17 1 | 16 33 | 16 11 | 16 49 | 16 16 | 3 32 |
| S 31 | 22s35 | 5s42 | 4n58 | 24s 1 | 2s 5 | 17s 9 | 5n41 | 21s46 | 0s 2 | 21s48 | 0n31 | 22s56 | 0n36 | 20n55 | 0s 3 | 15n 6 | 0n35 | 9s29 | 17s 0 | 16n33 | 16n11 | 16s51 | 16n16 | 3s32 |

Julian Day Number = 2124993.5, Delta T = 17m24s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'33, Lahiri = 11°23'34 Julian Calendar 1 Dec. 1105 == Greg. Calendar 8 Dec. 1105


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## JANUARY 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 5 42 | 17♑ 4'18 | 8♏41 | 22♑19 | 16♐ 0 | 8♐35 | 12♐ 0 | 2♑ 0 | 3°R32 | 21°R 5 | 15♈43 | 14°R29 | 15♌42 | 7♐ 5 | 27°R31 | M 1 |
| T 2 | 7 9 39 | 18° 5'23 | 20°34 | 24° 2 | 16° 8 | 9°18 | 12°13 | 2° 7 | 3♊30 | 21♌ 3 | 15°43 | 14♌26 | 15°39 | 7°12 | 27♉30 | T 2 |
| W 3 | 7 13 35 | 19° 6'28 | 2♐25 | 25°45 | 16°18 | 10° 1 | 12°25 | 2°14 | 3°29 | 21° 2 | 15°43 | 14°22 | 15°35 | 7°18 | 27°28 | W 3 |
| T 4 | 7 17 32 | 20° 7'32 | 14°16 | 27°29 | 16°31 | 10°44 | 12°37 | 2°20 | 3°27 | 21° 1 | 15°43 | 14°17 | 15°32 | 7°25 | 27°26 | T 4 |
| F 5 | 7 21 28 | 21° 8'36 | 26°12 | 29°13 | 16°45 | 11°27 | 12°49 | 2°27 | 3°26 | 20°59 | 15°44 | 14°13 | 15°29 | 7°32 | 27°24 | F 5 |
| S 6 | 7 25 25 | 22° 9'39 | 8♑13 | 0♒57 | 17° 2 | 12°10 | 13° 1 | 2°34 | 3°24 | 20°58 | 15°44 | 14° 9 | 15°26 | 7°38 | 27°23 | S 6 |
| S 7 | 7 29 21 | 23°10'41 | 20°22 | 2°41 | 17°21 | 12°53 | 13°13 | 2°41 | 3°23 | 20°56 | 15°44 | 14° 7 | 15°23 | 7°45 | 27°21 | S 7 |
| M 8 | 7 33 18 | 24°11'42 | 2♒40 | 4°26 | 17°41 | 13°36 | 13°25 | 2°48 | 3°22 | 20°55 | 15°45 | 14° 5 | 15°19 | 7°52 | 27°20 | M 8 |
| T 9 | 7 37 15 | 25°12'42 | 15° 8 | 6°10 | 18° 4 | 14°19 | 13°37 | 2°54 | 3°20 | 20°53 | 15°45 | 14°D 5 | 15°16 | 7°59 | 27°18 | T 9 |
| W10 | 7 41 11 | 26°13'40 | 27°48 | 7°54 | 18°28 | 15° 2 | 13°49 | 3° 1 | 3°19 | 20°52 | 15°45 | 14° 5 | 15°13 | 8° 5 | 27°17 | W10 |
| T 11 | 7 45 8 | 27°14'38 | 10♓40 | 9°37 | 18°54 | 15°45 | 14° 0 | 3° 8 | 3°18 | 20°50 | 15°46 | 14° 6 | 15°10 | 8°12 | 27°16 | T 11 |
| F 12 | 7 49 4 | 28°15'34 | 23°46 | 11°20 | 19°22 | 16°28 | 14°12 | 3°15 | 3°17 | 20°49 | 15°46 | 14° 8 | 15° 7 | 8°19 | 27°15 | F 12 |
| S 13 | 7 53 1 | 29°16'29 | 7♈ 7 | 13° 2 | 19°51 | 17°12 | 14°24 | 3°21 | 3°15 | 20°47 | 15°46 | 14° 9 | 15° 4 | 8°25 | 27°13 | S 13 |
| S 14 | 7 56 57 | 0♒17'23 | 20°44 | 14°43 | 20°22 | 17°55 | 14°35 | 3°28 | 3°14 | 20°46 | 15°47 | 14°10 | 15° 0 | 8°32 | 27°12 | S 14 |
| M15 | 8 0 54 | 1°18'15 | 4♉37 | 16°21 | 20°55 | 18°38 | 14°46 | 3°34 | 3°13 | 20°44 | 15°47 | 14°R10 | 14°57 | 8°39 | 27°11 | M15 |
| T 16 | 8 4 50 | 2°19'06 | 18°47 | 17°58 | 21°28 | 19°21 | 14°58 | 3°41 | 3°12 | 20°43 | 15°48 | 14°10 | 14°54 | 8°46 | 27°10 | T 16 |
| W17 | 8 8 47 | 3°19'55 | 3♊11 | 19°33 | 22° 4 | 20° 5 | 15° 9 | 3°47 | 3°11 | 20°41 | 15°48 | 14° 9 | 14°51 | 8°52 | 27°10 | W17 |
| T 18 | 8 12 44 | 4°20'42 | 17°47 | 21° 4 | 22°40 | 20°48 | 15°20 | 3°54 | 3°11 | 20°40 | 15°49 | 14° 7 | 14°48 | 8°59 | 27° 9 | T 18 |
| F 19 | 8 16 40 | 5°21'28 | 2♋28 | 22°32 | 23°18 | 21°32 | 15°31 | 4° 0 | 3°10 | 20°38 | 15°49 | 14° 6 | 14°45 | 9° 6 | 27° 8 | F 19 |
| S 20 | 8 20 37 | 6°22'13 | 17° 9 | 23°55 | 23°57 | 22°15 | 15°42 | 4° 7 | 3° 9 | 20°36 | 15°50 | 14° 5 | 14°41 | 9°12 | 27° 8 | S 20 |
| S 21 | 8 24 33 | 7°22'56 | 1♌43 | 25°14 | 24°37 | 22°58 | 15°53 | 4°13 | 3° 8 | 20°35 | 15°51 | 14° 5 | 14°38 | 9°19 | 27° 7 | S 21 |
| M22 | 8 28 30 | 8°23'38 | 16° 4 | 26°27 | 25°19 | 23°42 | 16° 4 | 4°19 | 3° 8 | 20°33 | 15°51 | 14°D 5 | 14°35 | 9°26 | 27° 7 | M22 |
| T 23 | 8 32 26 | 9°24'18 | 0♍ 6 | 27°33 | 26° 1 | 24°25 | 16°14 | 4°25 | 3° 7 | 20°32 | 15°52 | 14° 5 | 14°32 | 9°33 | 27° 6 | T 23 |
| W24 | 8 36 23 | 10°24'57 | 13°46 | 28°33 | 26°45 | 25° 9 | 16°25 | 4°32 | 3° 6 | 20°30 | 15°53 | 14° 5 | 14°29 | 9°39 | 27° 6 | W24 |
| T 25 | 8 40 19 | 11°25'34 | 27° 2 | 29°24 | 27°29 | 25°53 | 16°35 | 4°38 | 3° 6 | 20°28 | 15°53 | 14° 6 | 14°25 | 9°46 | 27° 6 | T 25 |
| F 26 | 8 44 16 | 12°26'10 | 9♎56 | 0♓ 8 | 28°15 | 26°36 | 16°46 | 4°44 | 3° 5 | 20°27 | 15°54 | 14° 6 | 14°22 | 9°53 | 27° 5 | F 26 |
| S 27 | 8 48 13 | 13°26'45 | 22°29 | 0°42 | 29° 1 | 27°20 | 16°56 | 4°50 | 3° 5 | 20°25 | 15°55 | 14° 6 | 14°19 | 9°59 | 27° 5 | S 27 |
| S 28 | 8 52 9 | 14°27'19 | 4♏45 | 1° 6 | 29°49 | 28° 4 | 17° 6 | 4°56 | 3° 5 | 20°23 | 15°55 | 14°R 6 | 14°16 | 10° 6 | 27°D 5 | S 28 |
| M29 | 8 56 6 | 15°27'51 | 16°48 | 1°20 | 0♑37 | 28°47 | 17°16 | 5° 2 | 3° 4 | 20°22 | 15°56 | 14°D 6 | 14°13 | 10°13 | 27° 5 | M29 |
| T 30 | 9 0 2 | 16°28'22 | 28°42 | 1°R25 | 1°26 | 29°31 | 17°26 | 5° 8 | 3° 4 | 20°20 | 15°57 | 14° 6 | 14°10 | 10°20 | 27° 5 | T 30 |
| W31 | 9 3 59 | 17♒28'52 | 10♐34 | 1♓19 | 2♑16 | 0♑15 | 17♐36 | 5♑14 | 3♊ 4 | 20♌18 | 15♈58 | 14♌ 6 | 14♌ 6 | 10♐26 | 27♉ 6 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s27 | 9s32 | 5n12 | 23s45 | 2s 5 | 17s 8 | 5n43 | 21s53 | 0s 3 | 21s50 | 0n31 | 22s56 | 0n36 | 20n55 | 0s 3 | 15n 6 | 0n35 | 9s28 | 17s 0 | 16n34 | 16n12 | 16s52 | 16n16 | 3s32 |
| T 2 | 22 19 | 12 58 | 5 12 | 23 26 | 2 4 | 17 7 | 5 45 | 22 1 | 0 4 | 21 52 | 0 30 | 22 56 | 0 36 | 20 54 | 0 3 | 15 6 | 0 35 | 9 28 | 17 0 | 16 35 | 16 13 | 16 54 | 16 15 | 3 32 |
| W 3 | 22 11 | 15 52 | 4 58 | 23 6 | 2 3 | 17 7 | 5 46 | 22 8 | 0 4 | 21 53 | 0 30 | 22 56 | 0 36 | 20 54 | 0 3 | 15 7 | 0 35 | 9 27 | 16 59 | 16 36 | 16 14 | 16 55 | 16 15 | 3 32 |
| T 4 | 22 2 | 18 7 | 4 32 | 22 45 | 2 1 | 17 7 | 5 46 | 22 15 | 0 5 | 21 55 | 0 30 | 22 56 | 0 36 | 20 54 | 0 3 | 15 7 | 0 35 | 9 27 | 16 59 | 16 37 | 16 15 | 16 56 | 16 15 | 3 31 |
| F 5 | 21 53 | 19 36 | 3 54 | 22 21 | 1 59 | 17 8 | 5 47 | 22 22 | 0 6 | 21 57 | 0 30 | 22 56 | 0 36 | 20 53 | 0 3 | 15 8 | 0 36 | 9 27 | 16 59 | 16 38 | 16 16 | 16 58 | 16 15 | 3 31 |
| S 6 | 21 43 | 20 13 | 3 5 | 21 56 | 1 56 | 17 10 | 5 47 | 22 28 | 0 7 | 21 58 | 0 30 | 22 56 | 0 36 | 20 53 | 0 3 | 15 8 | 0 36 | 9 26 | 16 58 | 16 40 | 16 17 | 16 59 | 16 14 | 3 31 |
| S 7 | 21 33 | 19 54 | 2 7 | 21 29 | 1 53 | 17 12 | 5 46 | 22 34 | 0 7 | 22 0 | 0 30 | 22 55 | 0 36 | 20 53 | 0 3 | 15 9 | 0 36 | 9 26 | 16 58 | 16 40 | 16 18 | 17 1 | 16 14 | 3 31 |
| M 8 | 21 23 | 18 39 | 1 3 | 21 1 | 1 49 | 17 15 | 5 45 | 22 41 | 0 8 | 22 1 | 0 30 | 22 55 | 0 36 | 20 53 | 0 3 | 15 9 | 0 36 | 9 25 | 16 58 | 16 41 | 16 19 | 17 2 | 16 14 | 3 31 |
| T 9 | 21 12 | 16 28 | 0s 6 | 20 30 | 1 45 | 17 18 | 5 44 | 22 46 | 0 9 | 22 3 | 0 30 | 22 55 | 0 36 | 20 52 | 0 3 | 15 10 | 0 36 | 9 25 | 16 57 | 16 41 | 16 20 | 17 3 | 16 14 | 3 31 |
| W10 | 21 0 | 13 28 | 1 15 | 19 59 | 1 39 | 17 21 | 5 43 | 22 52 | 0 10 | 22 4 | 0 30 | 22 55 | 0 36 | 20 52 | 0 3 | 15 10 | 0 36 | 9 24 | 16 57 | 16 41 | 16 21 | 17 5 | 16 13 | 3 31 |
| T 11 | 20 49 | 9 47 | 2 22 | 19 26 | 1 33 | 17 25 | 5 41 | 22 58 | 0 10 | 22 6 | 0 30 | 22 55 | 0 36 | 20 52 | 0 3 | 15 11 | 0 36 | 9 24 | 16 56 | 16 40 | 16 22 | 17 6 | 16 13 | 3 31 |
| F 12 | 20 36 | 5 35 | 3 22 | 18 51 | 1 27 | 17 29 | 5 39 | 23 3 | 0 11 | 22 7 | 0 30 | 22 55 | 0 36 | 20 52 | 0 3 | 15 11 | 0 36 | 9 23 | 16 56 | 16 40 | 16 23 | 17 7 | 16 13 | 3 31 |
| S 13 | 20 24 | 1 2 | 4 13 | 18 15 | 1 19 | 17 34 | 5 37 | 23 8 | 0 12 | 22 8 | 0 30 | 22 55 | 0 36 | 20 51 | 0 3 | 15 12 | 0 36 | 9 23 | 16 56 | 16 40 | 16 24 | 17 9 | 16 13 | 3 30 |
| S 14 | 20 11 | 3n39 | 4 51 | 17 38 | 1 11 | 17 39 | 5 34 | 23 13 | 0 13 | 22 10 | 0 30 | 22 55 | 0 36 | 20 51 | 0 3 | 15 12 | 0 36 | 9 22 | 16 55 | 16 39 | 16 25 | 17 10 | 16 13 | 3 30 |
| M15 | 19 58 | 8 13 | 5 12 | 17 0 | 1 2 | 17 44 | 5 32 | 23 17 | 0 14 | 22 11 | 0 30 | 22 55 | 0 36 | 20 51 | 0 3 | 15 13 | 0 36 | 9 22 | 16 55 | 16 39 | 16 26 | 17 12 | 16 13 | 3 30 |
| T 16 | 19 44 | 12 26 | 5 16 | 16 21 | 0 52 | 17 49 | 5 29 | 23 22 | 0 14 | 22 12 | 0 30 | 22 54 | 0 36 | 20 51 | 0 3 | 15 13 | 0 36 | 9 21 | 16 55 | 16 40 | 16 27 | 17 13 | 16 13 | 3 30 |
| W17 | 19 30 | 16 0 | 4 59 | 15 41 | 0 42 | 17 54 | 5 25 | 23 26 | 0 15 | 22 14 | 0 30 | 22 54 | 0 36 | 20 51 | 0 3 | 15 14 | 0 36 | 9 21 | 16 54 | 16 40 | 16 27 | 17 14 | 16 13 | 3 30 |
| T 18 | 19 16 | 18 37 | 4 24 | 15 2 | 0 31 | 17 59 | 5 22 | 23 30 | 0 16 | 22 15 | 0 30 | 22 54 | 0 36 | 20 51 | 0 3 | 15 14 | 0 36 | 9 20 | 16 54 | 16 40 | 16 28 | 17 16 | 16 13 | 3 30 |
| F 19 | 19 1 | 20 1 | 3 31 | 14 22 | 0 18 | 18 5 | 5 18 | 23 33 | 0 17 | 22 16 | 0 30 | 22 54 | 0 36 | 20 50 | 0 3 | 15 15 | 0 36 | 9 20 | 16 54 | 16 41 | 16 29 | 17 17 | 16 13 | 3 30 |
| S 20 | 18 46 | 20 4 | 2 24 | 13 42 | 0 5 | 18 11 | 5 15 | 23 37 | 0 17 | 22 17 | 0 30 | 22 54 | 0 35 | 20 50 | 0 3 | 15 15 | 0 36 | 9 19 | 16 53 | 16 41 | 16 30 | 17 18 | 16 13 | 3 29 |
| S 21 | 18 31 | 18 46 | 1 8 | 13 3 | 0n 8 | 18 16 | 5 11 | 23 40 | 0 18 | 22 18 | 0 30 | 22 54 | 0 35 | 20 50 | 0 3 | 15 16 | 0 36 | 9 19 | 16 53 | 16 41 | 16 31 | 17 20 | 16 13 | 3 29 |
| M22 | 18 15 | 16 16 | 0n11 | 12 24 | 0 23 | 18 22 | 5 7 | 23 43 | 0 19 | 22 20 | 0 30 | 22 54 | 0 35 | 20 50 | 0 3 | 15 16 | 0 36 | 9 18 | 16 53 | 16 41 | 16 32 | 17 21 | 16 13 | 3 29 |
| T 23 | 17 59 | 12 52 | 1 28 | 11 48 | 0 37 | 18 27 | 5 2 | 23 46 | 0 20 | 22 21 | 0 30 | 22 53 | 0 35 | 20 50 | 0 3 | 15 17 | 0 36 | 9 18 | 16 52 | 16 41 | 16 33 | 17 22 | 16 13 | 3 29 |
| W24 | 17 43 | 8 50 | 2 37 | 11 13 | 0 53 | 18 33 | 4 58 | 23 48 | 0 21 | 22 22 | 0 30 | 22 53 | 0 35 | 20 50 | 0 3 | 15 18 | 0 36 | 9 17 | 16 52 | 16 41 | 16 34 | 17 24 | 16 13 | 3 29 |
| T 25 | 17 26 | 4 30 | 3 37 | 10 40 | 1 9 | 18 38 | 4 54 | 23 51 | 0 21 | 22 23 | 0 30 | 22 53 | 0 35 | 20 50 | 0 3 | 15 18 | 0 36 | 9 17 | 16 52 | 16 41 | 16 35 | 17 25 | 16 13 | 3 29 |
| F 26 | 17 9 | 0 5 | 4 23 | 10 9 | 1 25 | 18 44 | 4 49 | 23 53 | 0 22 | 22 24 | 0 30 | 22 53 | 0 35 | 20 50 | 0 3 | 15 19 | 0 36 | 9 16 | 16 51 | 16 41 | 16 36 | 17 26 | 16 13 | 3 29 |
| S 27 | 16 52 | 4s13 | 4 55 | 9 42 | 1 41 | 18 49 | 4 44 | 23 55 | 0 23 | 22 25 | 0 30 | 22 53 | 0 35 | 20 50 | 0 3 | 15 19 | 0 36 | 9 15 | 16 51 | 16 41 | 16 37 | 17 28 | 16 13 | 3 28 |
| S 28 | 16 34 | 8 15 | 5 13 | 9 18 | 1 57 | 18 54 | 4 39 | 23 56 | 0 24 | 22 26 | 0 30 | 22 53 | 0 35 | 20 50 | 0 3 | 15 20 | 0 36 | 9 15 | 16 51 | 16 41 | 16 38 | 17 29 | 16 13 | 3 28 |
| M29 | 16 17 | 11 52 | 5 17 | 8 58 | 2 13 | 18 59 | 4 35 | 23 58 | 0 25 | 22 27 | 0 30 | 22 52 | 0 35 | 20 49 | 0 3 | 15 20 | 0 36 | 9 14 | 16 50 | 16 41 | 16 39 | 17 30 | 16 13 | 3 28 |
| T 30 | 15 58 | 14 58 | 5 7 | 8 42 | 2 29 | 19 3 | 4 30 | 23 59 | 0 26 | 22 28 | 0 30 | 22 52 | 0 35 | 20 49 | 0 3 | 15 21 | 0 36 | 9 14 | 16 50 | 16 41 | 16 40 | 17 32 | 16 14 | 3 28 |
| W31 | 15s40 | 17s27 | 4n44 | 8s31 | 2n43 | 19s 8 | 4n24 | 24s 0 | 0s26 | 22s29 | 0n29 | 22s52 | 0n35 | 20n49 | 0s 3 | 15n21 | 0n36 | 9s13 | 16s50 | 16n41 | 16n40 | 17s33 | 16n14 | 3s28 |

Julian Day Number = 2125024.5, Delta T = 17m23s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'38, Lahiri = 11°23'38 Julian Calendar 1 Jan. 1106 == Greg. Calendar 8 Jan. 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## FEBRUARY 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 7 55 | 18♒29'20 | 22♐26 | 1°R 2 | 3♑ 6 | 0♑59 | 17♐46 | 5♑20 | 3°R 4 | 20°R17 | 15♈59 | 14♌ 7 | 14♌ 3 | 10♐33 | 27♉ 6 | T 1 |
| F 2 | 9 11 52 | 19°29'47 | 4♑23 | 0♓37 | 3°58 | 1°42 | 17°56 | 5°25 | 3♊ 4 | 20♌15 | 15°59 | 14° 7 | 14° 0 | 10°40 | 27° 6 | F 2 |
| S 3 | 9 15 48 | 20°30'12 | 16°29 | 0° 2 | 4°50 | 2°26 | 18° 5 | 5°31 | 3°D 3 | 20°13 | 16° 0 | 14° 8 | 13°57 | 10°46 | 27° 7 | S 3 |
| S 4 | 9 19 45 | 21°30'36 | 28°47 | 29♒19 | 5°42 | 3°10 | 18°15 | 5°37 | 3° 3 | 20°12 | 16° 1 | 14° 8 | 13°54 | 10°53 | 27° 7 | S 4 |
| M 5 | 9 23 42 | 22°30'58 | 11♒19 | 28°29 | 6°36 | 3°54 | 18°24 | 5°42 | 3° 4 | 20°10 | 16° 2 | 14°R 9 | 13°51 | 11° 0 | 27° 8 | M 5 |
| T 6 | 9 27 38 | 23°31'19 | 24° 6 | 27°33 | 7°30 | 4°38 | 18°33 | 5°48 | 3° 4 | 20° 8 | 16° 3 | 14° 9 | 13°47 | 11° 6 | 27° 8 | T 6 |
| W 7 | 9 31 35 | 24°31'37 | 7♓ 7 | 26°33 | 8°24 | 5°22 | 18°42 | 5°53 | 3° 4 | 20° 6 | 16° 4 | 14° 8 | 13°44 | 11°13 | 27° 9 | W 7 |
| T 8 | 9 35 31 | 25°31'54 | 20°24 | 25°30 | 9°19 | 6° 6 | 18°51 | 5°59 | 3° 4 | 20° 5 | 16° 5 | 14° 7 | 13°41 | 11°20 | 27°10 | T 8 |
| F 9 | 9 39 28 | 26°32'09 | 3♈54 | 24°26 | 10°15 | 6°50 | 19° 0 | 6° 4 | 3° 4 | 20° 3 | 16° 6 | 14° 5 | 13°38 | 11°27 | 27°11 | F 9 |
| S 10 | 9 43 24 | 27°32'21 | 17°37 | 23°23 | 11°11 | 7°34 | 19° 9 | 6° 9 | 3° 5 | 20° 1 | 16° 7 | 14° 3 | 13°35 | 11°33 | 27°12 | S 10 |
| S 11 | 9 47 21 | 28°32'32 | 1♉29 | 22°21 | 12° 8 | 8°18 | 19°17 | 6°15 | 3° 5 | 20° 0 | 16° 8 | 14° 2 | 13°31 | 11°40 | 27°13 | S 11 |
| M12 | 9 51 17 | 29°32'41 | 15°30 | 21°23 | 13° 5 | 9° 2 | 19°26 | 6°20 | 3° 5 | 19°58 | 16° 9 | 14° 1 | 13°28 | 11°47 | 27°14 | M12 |
| T 13 | 9 55 14 | 0♓32'47 | 29°38 | 20°29 | 14° 3 | 9°46 | 19°34 | 6°25 | 3° 6 | 19°56 | 16°10 | 14°D 0 | 13°25 | 11°53 | 27°15 | T 13 |
| W14 | 9 59 11 | 1°32'51 | 13♊50 | 19°40 | 15° 1 | 10°30 | 19°42 | 6°30 | 3° 6 | 19°55 | 16°11 | 14° 1 | 13°22 | 12° 0 | 27°16 | W14 |
| T 15 | 10 3 7 | 2°32'53 | 28° 4 | 18°57 | 15°59 | 11°14 | 19°51 | 6°35 | 3° 7 | 19°53 | 16°12 | 14° 2 | 13°19 | 12° 7 | 27°17 | T 15 |
| F 16 | 10 7 4 | 3°32'53 | 12♋19 | 18°19 | 16°58 | 11°58 | 19°58 | 6°40 | 3° 8 | 19°52 | 16°13 | 14° 3 | 13°16 | 12°14 | 27°19 | F 16 |
| S 17 | 10 11 0 | 4°32'51 | 26°30 | 17°49 | 17°57 | 12°43 | 20° 6 | 6°45 | 3° 8 | 19°50 | 16°14 | 14° 4 | 13°12 | 12°20 | 27°20 | S 17 |
| S 18 | 10 14 57 | 5°32'46 | 10♌35 | 17°25 | 18°57 | 13°27 | 20°14 | 6°49 | 3° 9 | 19°48 | 16°15 | 14°R 5 | 13° 9 | 12°27 | 27°22 | S 18 |
| M19 | 10 18 53 | 6°32'39 | 24°31 | 17° 8 | 19°57 | 14°11 | 20°21 | 6°54 | 3°10 | 19°47 | 16°16 | 14° 5 | 13° 6 | 12°34 | 27°23 | M19 |
| T 20 | 10 22 50 | 7°32'30 | 8♍14 | 16°57 | 20°58 | 14°55 | 20°29 | 6°59 | 3°11 | 19°45 | 16°17 | 14° 3 | 13° 3 | 12°40 | 27°25 | T 20 |
| W21 | 10 26 46 | 8°32'20 | 21°41 | 16°D53 | 21°59 | 15°40 | 20°36 | 7° 3 | 3°12 | 19°44 | 16°18 | 14° 0 | 13° 0 | 12°47 | 27°27 | W21 |
| T 22 | 10 30 43 | 9°32'07 | 4♎50 | 16°55 | 23° 0 | 16°24 | 20°43 | 7° 8 | 3°13 | 19°42 | 16°19 | 13°57 | 12°56 | 12°54 | 27°28 | T 22 |
| F 23 | 10 34 39 | 10°31'52 | 17°41 | 17° 3 | 24° 1 | 17° 8 | 20°50 | 7°12 | 3°14 | 19°40 | 16°21 | 13°52 | 12°53 | 13° 0 | 27°30 | F 23 |
| S 24 | 10 38 36 | 11°31'35 | 0♏15 | 17°17 | 25° 3 | 17°53 | 20°57 | 7°16 | 3°15 | 19°39 | 16°22 | 13°48 | 12°50 | 13° 7 | 27°32 | S 24 |
| S 25 | 10 42 33 | 12°31'17 | 12°32 | 17°36 | 26° 5 | 18°37 | 21° 4 | 7°21 | 3°16 | 19°37 | 16°23 | 13°44 | 12°47 | 13°14 | 27°34 | S 25 |
| M26 | 10 46 29 | 13°30'57 | 24°37 | 18° 0 | 27° 8 | 19°21 | 21°10 | 7°25 | 3°17 | 19°36 | 16°24 | 13°41 | 12°44 | 13°21 | 27°36 | M26 |
| T 27 | 10 50 26 | 14°30'35 | 6♐33 | 18°29 | 28°10 | 20° 6 | 21°17 | 7°29 | 3°18 | 19°34 | 16°25 | 13°39 | 12°41 | 13°27 | 27°38 | T 27 |
| W28 | 10 54 22 | 15♓30'11 | 18♐25 | 19♒ 2 | 29♑13 | 20♑50 | 21♐23 | 7♑33 | 3♊19 | 19♌33 | 16♈27 | 13°D39 | 12♌37 | 13♐34 | 27♉40 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s21 | 19s11 | 4n 9 | 8s24 | 2n57 | 19s12 | 4n19 | 24s 0 | 0s27 | 22s30 | 0n29 | 22s52 | 0n35 | 20n49 | 0s 3 | 15n22 | 0n36 | 9s13 | 16s49 | 16n40 | 16n41 | 17s34 | 16n14 | 3s28 |
| F 2 | 15 3 | 20 6 | 3 23 | 8 21 | 3 10 | 19 16 | 4 14 | 24 1 | 0 28 | 22 31 | 0 29 | 22 52 | 0 35 | 20 49 | 0 3 | 15 22 | 0 36 | 9 12 | 16 49 | 16 40 | 16 42 | 17 36 | 16 14 | 3 27 |
| S 3 | 14 43 | 20 5 | 2 28 | 8 23 | 3 21 | 19 19 | 4 9 | 24 1 | 0 29 | 22 32 | 0 29 | 22 51 | 0 35 | 20 49 | 0 3 | 15 23 | 0 36 | 9 11 | 16 49 | 16 40 | 16 43 | 17 37 | 16 15 | 3 27 |
| S 4 | 14 24 | 19 8 | 1 24 | 8 29 | 3 30 | 19 23 | 4 3 | 24 1 | 0 30 | 22 33 | 0 29 | 22 51 | 0 35 | 20 49 | 0 3 | 15 24 | 0 36 | 9 11 | 16 49 | 16 40 | 16 44 | 17 38 | 16 15 | 3 27 |
| M 5 | 14 4 | 17 13 | 0 16 | 8 40 | 3 37 | 19 26 | 3 58 | 24 0 | 0 31 | 22 33 | 0 29 | 22 51 | 0 35 | 20 49 | 0 3 | 15 24 | 0 36 | 9 10 | 16 48 | 16 40 | 16 45 | 17 40 | 16 15 | 3 27 |
| T 6 | 13 45 | 14 25 | 0s55 | 8 54 | 3 43 | 19 28 | 3 52 | 24 0 | 0 31 | 22 34 | 0 29 | 22 51 | 0 35 | 20 49 | 0 3 | 15 25 | 0 36 | 9 10 | 16 48 | 16 40 | 16 46 | 17 41 | 16 15 | 3 27 |
| W 7 | 13 25 | 10 51 | 2 4 | 9 11 | 3 46 | 19 31 | 3 47 | 23 59 | 0 32 | 22 35 | 0 29 | 22 51 | 0 35 | 20 50 | 0 3 | 15 25 | 0 36 | 9 9 | 16 48 | 16 40 | 16 47 | 17 42 | 16 16 | 3 27 |
| T 8 | 13 4 | 6 42 | 3 8 | 9 32 | 3 46 | 19 33 | 3 41 | 23 58 | 0 33 | 22 36 | 0 29 | 22 50 | 0 35 | 20 50 | 0 3 | 15 26 | 0 36 | 9 8 | 16 47 | 16 40 | 16 48 | 17 44 | 16 16 | 3 27 |
| F 9 | 12 44 | 2 8 | 4 2 | 9 54 | 3 45 | 19 34 | 3 36 | 23 57 | 0 34 | 22 37 | 0 29 | 22 50 | 0 35 | 20 50 | 0 3 | 15 26 | 0 36 | 9 8 | 16 47 | 16 41 | 16 49 | 17 45 | 16 16 | 3 26 |
| S 10 | 12 23 | 2n35 | 4 43 | 10 18 | 3 42 | 19 35 | 3 30 | 23 55 | 0 35 | 22 37 | 0 29 | 22 50 | 0 35 | 20 50 | 0 3 | 15 27 | 0 36 | 9 7 | 16 47 | 16 41 | 16 50 | 17 46 | 16 17 | 3 26 |
| S 11 | 12 2 | 7 13 | 5 9 | 10 43 | 3 36 | 19 36 | 3 25 | 23 53 | 0 36 | 22 38 | 0 29 | 22 50 | 0 35 | 20 50 | 0 3 | 15 27 | 0 36 | 9 7 | 16 47 | 16 42 | 16 51 | 17 48 | 16 17 | 3 26 |
| M12 | 11 41 | 11 31 | 5 16 | 11 9 | 3 29 | 19 37 | 3 19 | 23 51 | 0 37 | 22 39 | 0 29 | 22 49 | 0 35 | 20 50 | 0 3 | 15 28 | 0 36 | 9 6 | 16 46 | 16 42 | 16 51 | 17 49 | 16 17 | 3 26 |
| T 13 | 11 20 | 15 13 | 5 4 | 11 34 | 3 20 | 19 36 | 3 13 | 23 49 | 0 38 | 22 39 | 0 29 | 22 49 | 0 35 | 20 50 | 0 3 | 15 28 | 0 36 | 9 5 | 16 46 | 16 42 | 16 52 | 17 50 | 16 18 | 3 26 |
| W14 | 10 59 | 18 2 | 4 34 | 11 59 | 3 10 | 19 36 | 3 7 | 23 46 | 0 38 | 22 40 | 0 29 | 22 49 | 0 35 | 20 50 | 0 3 | 15 29 | 0 36 | 9 5 | 16 46 | 16 42 | 16 53 | 17 51 | 16 18 | 3 26 |
| T 15 | 10 37 | 19 45 | 3 47 | 12 23 | 2 58 | 19 35 | 3 2 | 23 44 | 0 39 | 22 41 | 0 29 | 22 49 | 0 35 | 20 50 | 0 3 | 15 29 | 0 36 | 9 4 | 16 46 | 16 42 | 16 54 | 17 53 | 16 19 | 3 25 |
| F 16 | 10 15 | 20 13 | 2 46 | 12 47 | 2 46 | 19 34 | 2 56 | 23 41 | 0 40 | 22 41 | 0 29 | 22 49 | 0 35 | 20 50 | 0 3 | 15 30 | 0 36 | 9 3 | 16 45 | 16 41 | 16 55 | 17 54 | 16 19 | 3 25 |
| S 17 | 9 53 | 19 23 | 1 35 | 13 8 | 2 33 | 19 32 | 2 50 | 23 37 | 0 41 | 22 42 | 0 29 | 22 48 | 0 35 | 20 51 | 0 3 | 15 30 | 0 36 | 9 3 | 16 45 | 16 41 | 16 56 | 17 55 | 16 20 | 3 25 |
| S 18 | 9 31 | 17 21 | 0 19 | 13 28 | 2 19 | 19 29 | 2 44 | 23 34 | 0 42 | 22 43 | 0 29 | 22 48 | 0 34 | 20 51 | 0 3 | 15 31 | 0 36 | 9 2 | 16 45 | 16 41 | 16 57 | 17 57 | 16 20 | 3 25 |
| M19 | 9 9 | 14 19 | 0n57 | 13 47 | 2 6 | 19 27 | 2 39 | 23 30 | 0 43 | 22 43 | 0 29 | 22 48 | 0 34 | 20 51 | 0 3 | 15 32 | 0 36 | 9 2 | 16 45 | 16 41 | 16 58 | 17 58 | 16 21 | 3 25 |
| T 20 | 8 47 | 10 31 | 2 9 | 14 3 | 1 51 | 19 23 | 2 33 | 23 26 | 0 44 | 22 44 | 0 29 | 22 48 | 0 34 | 20 51 | 0 3 | 15 32 | 0 36 | 9 1 | 16 44 | 16 41 | 16 59 | 17 59 | 16 21 | 3 25 |
| W21 | 8 24 | 6 15 | 3 12 | 14 18 | 1 37 | 19 20 | 2 27 | 23 22 | 0 45 | 22 44 | 0 29 | 22 48 | 0 34 | 20 51 | 0 3 | 15 33 | 0 36 | 9 0 | 16 44 | 16 42 | 17 0 | 18 0 | 16 22 | 3 25 |
| T 22 | 8 2 | 1 48 | 4 4 | 14 31 | 1 23 | 19 15 | 2 22 | 23 18 | 0 45 | 22 45 | 0 29 | 22 47 | 0 34 | 20 51 | 0 3 | 15 33 | 0 36 | 9 0 | 16 44 | 16 43 | 17 1 | 18 2 | 16 22 | 3 24 |
| F 23 | 7 39 | 2s38 | 4 41 | 14 42 | 1 9 | 19 11 | 2 16 | 23 13 | 0 46 | 22 45 | 0 29 | 22 47 | 0 34 | 20 52 | 0 3 | 15 34 | 0 36 | 8 59 | 16 44 | 16 45 | 17 1 | 18 3 | 16 23 | 3 24 |
| S 24 | 7 16 | 6 51 | 5 5 | 14 51 | 0 55 | 19 5 | 2 10 | 23 8 | 0 47 | 22 46 | 0 29 | 22 47 | 0 34 | 20 52 | 0 3 | 15 34 | 0 36 | 8 58 | 16 43 | 16 46 | 17 2 | 18 4 | 16 23 | 3 24 |
| S 25 | 6 54 | 10 42 | 5 13 | 14 58 | 0 42 | 19 0 | 2 5 | 23 3 | 0 48 | 22 46 | 0 29 | 22 47 | 0 34 | 20 52 | 0 3 | 15 34 | 0 36 | 8 58 | 16 43 | 16 47 | 17 3 | 18 5 | 16 24 | 3 24 |
| M26 | 6 31 | 14 2 | 5 7 | 15 3 | 0 29 | 18 53 | 1 59 | 22 58 | 0 49 | 22 47 | 0 29 | 22 46 | 0 34 | 20 52 | 0 3 | 15 35 | 0 36 | 8 57 | 16 43 | 16 48 | 17 4 | 18 7 | 16 25 | 3 24 |
| T 27 | 6 8 | 16 46 | 4 49 | 15 6 | 0 16 | 18 47 | 1 53 | 22 52 | 0 50 | 22 47 | 0 29 | 22 46 | 0 34 | 20 53 | 0 3 | 15 35 | 0 36 | 8 57 | 16 43 | 16 48 | 17 5 | 18 8 | 16 25 | 3 24 |
| W28 | 5s44 | 18s46 | 4n18 | 15s 8 | 0n 4 | 18s39 | 1n48 | 22s46 | 0s51 | 22s48 | 0n29 | 22s46 | 0n34 | 20n53 | 0s 3 | 15n36 | 0n36 | 8s56 | 16s43 | 16n48 | 17n 6 | 18s 9 | 16n26 | 3s24 |

Julian Day Number = 2125055.5, Delta T = 17m23s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'42, Lahiri = 11°23'42 Julian Calendar 1 Feb. 1106 == Greg. Calendar 8 Feb. 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## MARCH 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 58 19 | 16♓29'46 | 0♉17 | 19♒40 | 0♒17 | 21♉34 | 21♐29 | 7♉37 | 3♊21 | 19°R31 | 16♈28 | 13♌40 | 12♌34 | 13♐41 | 27♑43 | T 1 |
| F 2 | 11 2 15 | 17°29'19 | 12°15 | 20°21 | 1°20 | 22°19 | 21°35 | 7°41 | 3°22 | 19♌30 | 16°29 | 13°41 | 12°31 | 13°47 | 27°45 | F 2 |
| S 3 | 11 6 12 | 18°28'50 | 24°23 | 21° 7 | 2°24 | 23° 3 | 21°41 | 7°45 | 3°24 | 19°29 | 16°30 | 13°43 | 12°28 | 13°54 | 27°47 | S 3 |
| S 4 | 11 10 8 | 19°28'19 | 6♒46 | 21°55 | 3°28 | 23°48 | 21°46 | 7°48 | 3°25 | 19°27 | 16°32 | 13°44 | 12°25 | 14° 1 | 27°50 | S 4 |
| M 5 | 11 14 5 | 20°27'46 | 19°27 | 22°47 | 4°32 | 24°32 | 21°52 | 7°52 | 3°27 | 19°26 | 16°33 | 13°R44 | 12°22 | 14° 7 | 27°52 | M 5 |
| T 6 | 11 18 2 | 21°27'11 | 2♓28 | 23°42 | 5°37 | 25°17 | 21°57 | 7°55 | 3°28 | 19°24 | 16°34 | 13°43 | 12°18 | 14°14 | 27°55 | T 6 |
| W 7 | 11 21 58 | 22°26'34 | 15°50 | 24°40 | 6°42 | 26° 1 | 22° 2 | 7°59 | 3°30 | 19°23 | 16°35 | 13°39 | 12°15 | 14°21 | 27°57 | W 7 |
| T 8 | 11 25 55 | 23°25'55 | 29°32 | 25°41 | 7°46 | 26°46 | 22° 7 | 8° 2 | 3°31 | 19°22 | 16°37 | 13°34 | 12°12 | 14°28 | 28° 0 | T 8 |
| F 9 | 11 29 51 | 24°25'14 | 13♈30 | 26°44 | 8°52 | 27°31 | 22°12 | 8° 5 | 3°33 | 19°20 | 16°38 | 13°28 | 12° 9 | 14°34 | 28° 3 | F 9 |
| S 10 | 11 33 48 | 25°24'31 | 27°41 | 27°50 | 9°57 | 28°15 | 22°16 | 8° 9 | 3°35 | 19°19 | 16°39 | 13°21 | 12° 6 | 14°41 | 28° 6 | S 10 |
| S 11 | 11 37 44 | 26°23'45 | 11♉59 | 28°58 | 11° 2 | 29° 0 | 22°21 | 8°12 | 3°37 | 19°18 | 16°41 | 13°15 | 12° 2 | 14°48 | 28° 8 | S 11 |
| M12 | 11 41 41 | 27°22'58 | 26°20 | 0♓ 9 | 12° 8 | 29°44 | 22°25 | 8°15 | 3°38 | 19°17 | 16°42 | 13°10 | 11°59 | 14°54 | 28°11 | M12 |
| T 13 | 11 45 37 | 28°22'07 | 10♊39 | 1°21 | 13°14 | 0♒29 | 22°29 | 8°18 | 3°40 | 19°15 | 16°43 | 13° 6 | 11°56 | 15° 1 | 28°14 | T 13 |
| W14 | 11 49 34 | 29°21'15 | 24°52 | 2°36 | 14°20 | 1°13 | 22°33 | 8°20 | 3°42 | 19°14 | 16°44 | 13°D 5 | 11°53 | 15° 8 | 28°17 | W14 |
| T 15 | 11 53 31 | 0♈20'20 | 8♋58 | 3°52 | 15°26 | 1°58 | 22°37 | 8°23 | 3°44 | 19°13 | 16°46 | 13° 5 | 11°50 | 15°14 | 28°20 | T 15 |
| F 16 | 11 57 27 | 1°19'23 | 22°56 | 5°11 | 16°32 | 2°43 | 22°40 | 8°26 | 3°46 | 19°12 | 16°47 | 13° 6 | 11°47 | 15°21 | 28°24 | F 16 |
| S 17 | 12 1 24 | 2°18'24 | 6♌44 | 6°32 | 17°39 | 3°27 | 22°44 | 8°28 | 3°48 | 19°11 | 16°49 | 13°R 7 | 11°43 | 15°28 | 28°27 | S 17 |
| S 18 | 12 5 20 | 3°17'22 | 20°23 | 7°54 | 18°45 | 4°12 | 22°47 | 8°31 | 3°50 | 19° 9 | 16°50 | 13° 7 | 11°40 | 15°35 | 28°30 | S 18 |
| M19 | 12 9 17 | 4°16'17 | 3♍52 | 9°18 | 19°52 | 4°56 | 22°50 | 8°33 | 3°52 | 19° 8 | 16°51 | 13° 5 | 11°37 | 15°41 | 28°33 | M19 |
| T 20 | 12 13 13 | 5°15'11 | 17°10 | 10°44 | 20°59 | 5°41 | 22°53 | 8°36 | 3°55 | 19° 7 | 16°53 | 13° 1 | 11°34 | 15°48 | 28°37 | T 20 |
| W21 | 12 17 10 | 6°14'02 | 0♎16 | 12°11 | 22° 6 | 6°26 | 22°55 | 8°38 | 3°57 | 19° 6 | 16°54 | 12°54 | 11°31 | 15°55 | 28°40 | W21 |
| T 22 | 12 21 6 | 7°12'51 | 13°10 | 13°40 | 23°14 | 7°10 | 22°58 | 8°40 | 3°59 | 19° 5 | 16°55 | 12°45 | 11°27 | 16° 1 | 28°43 | T 22 |
| F 23 | 12 25 3 | 8°11'39 | 25°50 | 15°11 | 24°21 | 7°55 | 23° 0 | 8°42 | 4° 1 | 19° 4 | 16°57 | 12°35 | 11°24 | 16° 8 | 28°47 | F 23 |
| S 24 | 12 28 59 | 9°10'24 | 8♏16 | 16°44 | 25°28 | 8°40 | 23° 2 | 8°44 | 4° 4 | 19° 3 | 16°58 | 12°25 | 11°21 | 16°15 | 28°50 | S 24 |
| S 25 | 12 32 56 | 10° 9'07 | 20°30 | 18°18 | 26°36 | 9°24 | 23° 4 | 8°46 | 4° 6 | 19° 2 | 16°59 | 12°15 | 11°18 | 16°21 | 28°54 | S 25 |
| M26 | 12 36 53 | 11° 7'49 | 2♐33 | 19°54 | 27°44 | 10° 9 | 23° 6 | 8°47 | 4° 9 | 19° 1 | 17° 1 | 12° 7 | 11°15 | 16°28 | 28°58 | M26 |
| T 27 | 12 40 49 | 12° 6'29 | 14°28 | 21°31 | 28°52 | 10°54 | 23° 8 | 8°49 | 4°11 | 19° 1 | 17° 2 | 12° 1 | 11°12 | 16°35 | 29° 1 | T 27 |
| W28 | 12 44 46 | 13° 5'07 | 26°19 | 23°10 | 29°59 | 11°38 | 23° 9 | 8°51 | 4°13 | 19° 0 | 17° 4 | 11°57 | 11° 8 | 16°42 | 29° 5 | W28 |
| T 29 | 12 48 42 | 14° 3'44 | 8♑10 | 24°51 | 1♓ 8 | 12°23 | 23°10 | 8°52 | 4°16 | 18°59 | 17° 5 | 11°56 | 11° 5 | 16°48 | 29° 9 | T 29 |
| F 30 | 12 52 39 | 15° 2'18 | 20° 7 | 26°33 | 2°16 | 13° 8 | 23°11 | 8°53 | 4°19 | 18°58 | 17° 6 | 11°D56 | 11° 2 | 16°55 | 29°13 | F 30 |
| S 31 | 12 56 35 | 16♈ 0'51 | 2♒14 | 28♓17 | 3♓24 | 13♒52 | 23♐12 | 8♑55 | 4♊21 | 18♌57 | 17♈ 8 | 11♌56 | 10♌59 | 17♐ 2 | 29♑17 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s21 | 19s58 | 3n35 | 15s 7 | 0s 8 | 18s31 | 1n42 | 22s40 | 0s52 | 22s48 | 0n29 | 22s46 | 0n34 | 20n53 | 0s 2 | 15n36 | 0n36 | 8s55 | 16s42 | 16n48 | 17n 7 | 18s10 | 16n26 | 3s23 |
| F 2 | 4 58 | 20 16 | 2 44 | 15 5 | 0 20 | 18 23 | 1 37 | 22 34 | 0 53 | 22 48 | 0 29 | 22 46 | 0 34 | 20 53 | 0 2 | 15 37 | 0 36 | 8 55 | 16 42 | 16 48 | 17 8 | 18 12 | 16 27 | 3 23 |
| S 3 | 4 35 | 19 38 | 1 44 | 15 1 | 0 31 | 18 14 | 1 31 | 22 27 | 0 54 | 22 49 | 0 29 | 22 45 | 0 34 | 20 54 | 0 2 | 15 37 | 0 36 | 8 54 | 16 42 | 16 47 | 17 9 | 18 13 | 16 28 | 3 23 |
| S 4 | 4 11 | 18 3 | 0 38 | 14 55 | 0 41 | 18 5 | 1 26 | 22 21 | 0 55 | 22 49 | 0 29 | 22 45 | 0 34 | 20 54 | 0 2 | 15 38 | 0 36 | 8 53 | 16 42 | 16 47 | 17 10 | 18 14 | 16 28 | 3 23 |
| M 5 | 3 48 | 15 33 | 0s31 | 14 48 | 0 52 | 17 55 | 1 20 | 22 14 | 0 55 | 22 49 | 0 29 | 22 45 | 0 34 | 20 54 | 0 2 | 15 38 | 0 36 | 8 53 | 16 42 | 16 47 | 17 10 | 18 15 | 16 29 | 3 23 |
| T 6 | 3 24 | 12 12 | 1 40 | 14 39 | 1 1 | 17 45 | 1 15 | 22 6 | 0 56 | 22 50 | 0 29 | 22 45 | 0 34 | 20 54 | 0 2 | 15 39 | 0 36 | 8 52 | 16 42 | 16 47 | 17 11 | 18 17 | 16 30 | 3 23 |
| W 7 | 3 1 | 8 9 | 2 46 | 14 28 | 1 10 | 17 34 | 1 10 | 21 59 | 0 57 | 22 50 | 0 29 | 22 45 | 0 34 | 20 55 | 0 2 | 15 39 | 0 36 | 8 52 | 16 41 | 16 48 | 17 12 | 18 18 | 16 30 | 3 23 |
| T 8 | 2 37 | 3 36 | 3 43 | 14 15 | 1 19 | 17 23 | 1 4 | 21 51 | 0 58 | 22 50 | 0 29 | 22 45 | 0 34 | 20 55 | 0 2 | 15 39 | 0 36 | 8 51 | 16 41 | 16 50 | 17 13 | 18 19 | 16 31 | 3 23 |
| F 9 | 2 14 | 1n14 | 4 28 | 14 1 | 1 27 | 17 11 | 0 59 | 21 43 | 0 59 | 22 51 | 0 29 | 22 44 | 0 34 | 20 55 | 0 2 | 15 40 | 0 36 | 8 50 | 16 41 | 16 52 | 17 14 | 18 20 | 16 32 | 3 22 |
| S 10 | 1 50 | 6 4 | 4 58 | 13 46 | 1 35 | 16 58 | 0 54 | 21 35 | 1 0 | 22 51 | 0 29 | 22 44 | 0 34 | 20 56 | 0 2 | 15 40 | 0 36 | 8 50 | 16 41 | 16 54 | 17 15 | 18 22 | 16 33 | 3 22 |
| S 11 | 1 26 | 10 36 | 5 9 | 13 29 | 1 42 | 16 46 | 0 49 | 21 27 | 1 1 | 22 51 | 0 29 | 22 44 | 0 34 | 20 56 | 0 2 | 15 41 | 0 36 | 8 49 | 16 41 | 16 55 | 17 16 | 18 23 | 16 33 | 3 22 |
| M12 | 1 3 | 14 33 | 5 1 | 13 10 | 1 48 | 16 32 | 0 44 | 21 19 | 1 2 | 22 52 | 0 29 | 22 44 | 0 34 | 20 57 | 0 2 | 15 41 | 0 36 | 8 48 | 16 41 | 16 57 | 17 17 | 18 24 | 16 34 | 3 22 |
| T 13 | 0 39 | 17 38 | 4 34 | 12 50 | 1 55 | 16 18 | 0 39 | 21 10 | 1 3 | 22 52 | 0 29 | 22 44 | 0 34 | 20 57 | 0 2 | 15 41 | 0 36 | 8 48 | 16 41 | 16 58 | 17 18 | 18 25 | 16 35 | 3 22 |
| W14 | 0 15 | 19 37 | 3 51 | 12 28 | 2 0 | 16 4 | 0 34 | 21 1 | 1 4 | 22 52 | 0 29 | 22 44 | 0 34 | 20 57 | 0 2 | 15 42 | 0 36 | 8 47 | 16 40 | 16 58 | 17 19 | 18 26 | 16 36 | 3 22 |
| T 15 | 0n 8 | 20 22 | 2 54 | 12 5 | 2 5 | 15 49 | 0 29 | 20 52 | 1 5 | 22 52 | 0 29 | 22 43 | 0 34 | 20 58 | 0 2 | 15 42 | 0 36 | 8 47 | 16 40 | 16 58 | 17 19 | 18 28 | 16 36 | 3 22 |
| F 16 | 0 32 | 19 50 | 1 47 | 11 40 | 2 10 | 15 34 | 0 24 | 20 43 | 1 6 | 22 53 | 0 28 | 22 43 | 0 34 | 20 58 | 0 2 | 15 43 | 0 36 | 8 46 | 16 40 | 16 58 | 17 20 | 18 29 | 16 37 | 3 22 |
| S 17 | 0 55 | 18 7 | 0 34 | 11 14 | 2 14 | 15 19 | 0 19 | 20 33 | 1 7 | 22 53 | 0 28 | 22 43 | 0 34 | 20 58 | 0 2 | 15 43 | 0 36 | 8 45 | 16 40 | 16 58 | 17 21 | 18 30 | 16 38 | 3 22 |
| S 18 | 1 19 | 15 23 | 0n39 | 10 47 | 2 18 | 15 2 | 0 15 | 20 24 | 1 7 | 22 53 | 0 28 | 22 43 | 0 34 | 20 59 | 0 2 | 15 43 | 0 36 | 8 45 | 16 40 | 16 58 | 17 22 | 18 31 | 16 39 | 3 21 |
| M19 | 1 42 | 11 50 | 1 49 | 10 18 | 2 21 | 14 46 | 0 10 | 20 14 | 1 8 | 22 53 | 0 28 | 22 43 | 0 34 | 20 59 | 0 2 | 15 44 | 0 36 | 8 44 | 16 40 | 16 58 | 17 23 | 18 32 | 16 40 | 3 21 |
| T 20 | 2 6 | 7 44 | 2 52 | 9 47 | 2 24 | 14 29 | 0 6 | 20 4 | 1 9 | 22 53 | 0 28 | 22 43 | 0 34 | 21 0 | 0 2 | 15 44 | 0 36 | 8 44 | 16 40 | 16 59 | 17 24 | 18 34 | 16 40 | 3 21 |
| W21 | 2 29 | 3 20 | 3 45 | 9 16 | 2 26 | 14 11 | 0 1 | 19 53 | 1 10 | 22 53 | 0 28 | 22 43 | 0 34 | 21 0 | 0 2 | 15 44 | 0 36 | 8 43 | 16 40 | 17 1 | 17 25 | 18 35 | 16 41 | 3 21 |
| T 22 | 2 53 | 1s 9 | 4 26 | 8 43 | 2 27 | 13 54 | 0s 3 | 19 43 | 1 11 | 22 54 | 0 28 | 22 42 | 0 34 | 21 1 | 0 2 | 15 45 | 0 36 | 8 43 | 16 40 | 17 4 | 17 26 | 18 36 | 16 42 | 3 21 |
| F 23 | 3 16 | 5 29 | 4 52 | 8 9 | 2 29 | 13 35 | 0 8 | 19 32 | 1 12 | 22 54 | 0 28 | 22 42 | 0 34 | 21 1 | 0 2 | 15 45 | 0 36 | 8 42 | 16 40 | 17 7 | 17 26 | 18 37 | 16 43 | 3 21 |
| S 24 | 3 39 | 9 32 | 5 4 | 7 33 | 2 29 | 13 17 | 0 12 | 19 21 | 1 13 | 22 54 | 0 28 | 22 42 | 0 34 | 21 1 | 0 2 | 15 45 | 0 36 | 8 41 | 16 40 | 17 9 | 17 27 | 18 38 | 16 44 | 3 21 |
| S 25 | 4 2 | 13 7 | 5 2 | 6 56 | 2 29 | 12 58 | 0 16 | 19 10 | 1 14 | 22 54 | 0 28 | 22 42 | 0 34 | 21 2 | 0 2 | 15 45 | 0 36 | 8 41 | 16 40 | 17 12 | 17 28 | 18 39 | 16 45 | 3 21 |
| M26 | 4 25 | 16 6 | 4 46 | 6 18 | 2 29 | 12 38 | 0 20 | 18 59 | 1 15 | 22 54 | 0 28 | 22 42 | 0 34 | 21 2 | 0 2 | 15 46 | 0 36 | 8 40 | 16 40 | 17 15 | 17 29 | 18 41 | 16 45 | 3 21 |
| T 27 | 4 49 | 18 23 | 4 18 | 5 38 | 2 28 | 12 18 | 0 24 | 18 48 | 1 16 | 22 54 | 0 28 | 22 42 | 0 34 | 21 3 | 0 2 | 15 46 | 0 36 | 8 40 | 16 39 | 17 16 | 17 30 | 18 42 | 16 46 | 3 21 |
| W28 | 5 11 | 19 51 | 3 39 | 4 58 | 2 26 | 11 58 | 0 28 | 18 36 | 1 17 | 22 54 | 0 28 | 22 42 | 0 34 | 21 3 | 0 2 | 15 46 | 0 36 | 8 39 | 16 39 | 17 17 | 17 31 | 18 43 | 16 47 | 3 21 |
| T 29 | 5 34 | 20 28 | 2 50 | 4 16 | 2 25 | 11 37 | 0 32 | 18 25 | 1 18 | 22 55 | 0 28 | 22 42 | 0 34 | 21 4 | 0 2 | 15 47 | 0 36 | 8 39 | 16 39 | 17 18 | 17 32 | 18 44 | 16 48 | 3 20 |
| F 30 | 5 57 | 20 10 | 1 54 | 3 33 | 2 22 | 11 17 | 0 36 | 18 13 | 1 19 | 22 55 | 0 28 | 22 42 | 0 34 | 21 4 | 0 2 | 15 47 | 0 36 | 8 38 | 16 39 | 17 18 | 17 33 | 18 45 | 16 49 | 3 20 |
| S 31 | 6n20 | 18s55 | 0n52 | 2s49 | 2s19 | 10s55 | 0s40 | 18s 1 | 1s19 | 22s55 | 0n28 | 22s42 | 0n34 | 21n 5 | 0s 2 | 15n47 | 0n36 | 8s38 | 16s39 | 17n18 | 17n33 | 18s46 | 16n50 | 3s20 |

Julian Day Number = 2125083.5, Delta T = 17m23s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'46, Lahiri = 11°23'46 Julian Calendar 1 March 1106 == Greg. Calendar 8 March 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## APRIL 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 0 32 | 16♈59'23 | 14♒37 | 0♈ 3 | 4♓33 | 14♒37 | 23♐13 | 8♑56 | 4♊24 | 18°R57 | 17♈ 9 | 11°R56 | 10♌56 | 17♐ 8 | 29♉20 | S 1 |
| M 2 | 13 4 28 | 17°57'52 | 27°21 | 1°50 | 5°41 | 15°22 | 23°13 | 8°57 | 4°26 | 18♌56 | 17°11 | 11♌55 | 10°53 | 17°15 | 29°24 | M 2 |
| T 3 | 13 8 25 | 18°56'20 | 10♓29 | 3°39 | 6°50 | 16° 6 | 23°13 | 8°58 | 4°29 | 18°55 | 17°12 | 11°52 | 10°49 | 17°22 | 29°28 | T 3 |
| W 4 | 13 12 22 | 19°54'46 | 24° 3 | 5°29 | 7°58 | 16°51 | 23°R14 | 8°59 | 4°32 | 18°55 | 17°13 | 11°46 | 10°46 | 17°28 | 29°32 | W 4 |
| T 5 | 13 16 18 | 20°53'11 | 8♈ 2 | 7°21 | 9° 7 | 17°36 | 23°13 | 8°59 | 4°35 | 18°54 | 17°15 | 11°38 | 10°43 | 17°35 | 29°36 | T 5 |
| F 6 | 13 20 15 | 21°51'33 | 22°23 | 9°15 | 10°16 | 18°20 | 23°13 | 9° 0 | 4°37 | 18°53 | 17°16 | 11°28 | 10°40 | 17°42 | 29°41 | F 6 |
| S 7 | 13 24 11 | 22°49'54 | 7♉ 0 | 11°11 | 11°25 | 19° 5 | 23°13 | 9° 1 | 4°40 | 18°53 | 17°18 | 11°17 | 10°37 | 17°49 | 29°45 | S 7 |
| S 8 | 13 28 8 | 23°48'13 | 21°45 | 13° 8 | 12°34 | 19°50 | 23°12 | 9° 1 | 4°43 | 18°52 | 17°19 | 11° 7 | 10°33 | 17°55 | 29°49 | S 8 |
| M 9 | 13 32 4 | 24°46'30 | 6♊31 | 15° 6 | 13°43 | 20°34 | 23°11 | 9° 1 | 4°46 | 18°52 | 17°20 | 10°59 | 10°30 | 18° 2 | 29°53 | M 9 |
| T 10 | 13 36 1 | 25°44'45 | 21° 9 | 17° 7 | 14°52 | 21°19 | 23°10 | 9° 2 | 4°49 | 18°51 | 17°22 | 10°52 | 10°27 | 18° 9 | 29°57 | T 10 |
| W11 | 13 39 57 | 26°42'57 | 5♋36 | 19° 9 | 16° 2 | 22° 3 | 23° 9 | 9° 2 | 4°52 | 18°51 | 17°23 | 10°49 | 10°24 | 18°15 | 0♊ 2 | W11 |
| T 12 | 13 43 54 | 27°41'08 | 19°46 | 21°12 | 17°11 | 22°48 | 23° 7 | 9°R 2 | 4°55 | 18°51 | 17°24 | 10°47 | 10°21 | 18°22 | 0° 6 | T 12 |
| F 13 | 13 47 51 | 28°39'17 | 3♌40 | 23°17 | 18°20 | 23°32 | 23° 6 | 9° 2 | 4°58 | 18°50 | 17°26 | 10°47 | 10°18 | 18°29 | 0°10 | F 13 |
| S 14 | 13 51 47 | 29°37'24 | 17°17 | 25°23 | 19°30 | 24°17 | 23° 4 | 9° 2 | 5° 1 | 18°50 | 17°27 | 10°47 | 10°14 | 18°35 | 0°15 | S 14 |
| S 15 | 13 55 44 | 0♉35'28 | 0♍39 | 27°30 | 20°39 | 25° 1 | 23° 2 | 9° 1 | 5° 4 | 18°50 | 17°29 | 10°46 | 10°11 | 18°42 | 0°19 | S 15 |
| M16 | 13 59 40 | 1°33'31 | 13°48 | 29°38 | 21°49 | 25°46 | 23° 0 | 9° 1 | 5° 7 | 18°49 | 17°30 | 10°43 | 10° 8 | 18°49 | 0°23 | M16 |
| T 17 | 14 3 37 | 2°31'31 | 26°45 | 1♉47 | 22°59 | 26°30 | 22°57 | 9° 1 | 5°10 | 18°49 | 17°31 | 10°36 | 10° 5 | 18°55 | 0°28 | T 17 |
| W18 | 14 7 33 | 3°29'30 | 9♎31 | 3°57 | 24° 8 | 27°15 | 22°55 | 9° 0 | 5°13 | 18°49 | 17°33 | 10°27 | 10° 2 | 19° 2 | 0°32 | W18 |
| T 19 | 14 11 30 | 4°27'27 | 22° 6 | 6° 7 | 25°18 | 27°59 | 22°52 | 9° 0 | 5°16 | 18°49 | 17°34 | 10°16 | 9°59 | 19° 9 | 0°37 | T 19 |
| F 20 | 14 15 26 | 5°25'23 | 4♏31 | 8°18 | 26°28 | 28°44 | 22°49 | 8°59 | 5°20 | 18°49 | 17°35 | 10° 3 | 9°55 | 19°16 | 0°42 | F 20 |
| S 21 | 14 19 23 | 6°23'17 | 16°46 | 10°28 | 27°38 | 29°28 | 22°46 | 8°58 | 5°23 | 18°48 | 17°37 | 9°49 | 9°52 | 19°22 | 0°46 | S 21 |
| S 22 | 14 23 20 | 7°21'09 | 28°52 | 12°38 | 28°48 | 0♓12 | 22°43 | 8°57 | 5°26 | 18°48 | 17°38 | 9°36 | 9°49 | 19°29 | 0°51 | S 22 |
| M23 | 14 27 16 | 8°19'00 | 10♐50 | 14°47 | 29°58 | 0°57 | 22°40 | 8°56 | 5°29 | 18°48 | 17°39 | 9°25 | 9°46 | 19°36 | 0°55 | M23 |
| T 24 | 14 31 13 | 9°16'49 | 22°43 | 16°56 | 1♈ 8 | 1°41 | 22°36 | 8°55 | 5°32 | 18°D48 | 17°41 | 9°16 | 9°43 | 19°42 | 1° 0 | T 24 |
| W25 | 14 35 9 | 10°14'38 | 4♑32 | 19° 3 | 2°18 | 2°25 | 22°32 | 8°54 | 5°36 | 18°48 | 17°42 | 9°10 | 9°39 | 19°49 | 1° 5 | W25 |
| T 26 | 14 39 6 | 11°12'25 | 16°22 | 21° 9 | 3°29 | 3°10 | 22°28 | 8°53 | 5°39 | 18°48 | 17°43 | 9° 6 | 9°36 | 19°56 | 1° 9 | T 26 |
| F 27 | 14 43 2 | 12°10'11 | 28°17 | 23°13 | 4°39 | 3°54 | 22°24 | 8°51 | 5°42 | 18°48 | 17°44 | 9° 5 | 9°33 | 20° 2 | 1°14 | F 27 |
| S 28 | 14 46 59 | 13° 7'55 | 10♒23 | 25°15 | 5°49 | 4°38 | 22°20 | 8°50 | 5°46 | 18°49 | 17°46 | 9° 5 | 9°30 | 20° 9 | 1°19 | S 28 |
| S 29 | 14 50 55 | 14° 5'38 | 22°44 | 27°14 | 7° 0 | 5°22 | 22°16 | 8°48 | 5°49 | 18°49 | 17°47 | 9° 5 | 9°27 | 20°16 | 1°23 | S 29 |
| M30 | 14 54 52 | 15♉ 3'21 | 5♓26 | 29♉12 | 8♈10 | 6♓ 6 | 22♐11 | 8♑47 | 5♊52 | 18♌49 | 17♈48 | 9♌ 3 | 9♌24 | 20♐22 | 1♊28 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n42 | 16s45 | 0s14 | 2s 3 | 2s16 | 10s34 | 0s43 | 17s48 | 1s20 | 22s55 | 0n28 | 22s42 | 0n34 | 21n 5 | 0s 2 | 15n47 | 0n36 | 8s37 | 16s39 | 17n18 | 17n34 | 18s48 | 16n51 | 3s20 |
| M 2 | 7 5 | 13 43 | 1 21 | 1 17 | 2 12 | 10 12 | 0 47 | 17 36 | 1 21 | 22 55 | 0 28 | 22 42 | 0 33 | 21 6 | 0 2 | 15 47 | 0 36 | 8 36 | 16 39 | 17 18 | 17 35 | 18 49 | 16 52 | 3 20 |
| T 3 | 7 27 | 9 55 | 2 26 | 0 29 | 2 7 | 9 49 | 0 50 | 17 23 | 1 22 | 22 55 | 0 28 | 22 42 | 0 33 | 21 6 | 0 2 | 15 48 | 0 36 | 8 36 | 16 39 | 17 19 | 17 36 | 18 50 | 16 53 | 3 20 |
| W 4 | 7 49 | 5 30 | 3 24 | 0n20 | 2 2 | 9 27 | 0 53 | 17 11 | 1 23 | 22 55 | 0 28 | 22 42 | 0 33 | 21 7 | 0 2 | 15 48 | 0 36 | 8 35 | 16 39 | 17 20 | 17 37 | 18 51 | 16 53 | 3 20 |
| T 5 | 8 11 | 0 40 | 4 12 | 1 9 | 1 56 | 9 4 | 0 57 | 16 58 | 1 24 | 22 55 | 0 28 | 22 41 | 0 33 | 21 7 | 0 2 | 15 48 | 0 36 | 8 35 | 16 39 | 17 23 | 17 38 | 18 52 | 16 54 | 3 20 |
| F 6 | 8 33 | 4n20 | 4 45 | 2 0 | 1 50 | 8 41 | 1 0 | 16 45 | 1 25 | 22 55 | 0 28 | 22 41 | 0 33 | 21 8 | 0 2 | 15 48 | 0 36 | 8 34 | 16 39 | 17 25 | 17 39 | 18 53 | 16 55 | 3 20 |
| S 7 | 8 55 | 9 10 | 5 1 | 2 51 | 1 44 | 8 17 | 1 3 | 16 32 | 1 26 | 22 55 | 0 28 | 22 41 | 0 33 | 21 8 | 0 2 | 15 48 | 0 36 | 8 34 | 16 39 | 17 28 | 17 40 | 18 54 | 16 56 | 3 20 |
| S 8 | 9 17 | 13 31 | 4 57 | 3 44 | 1 37 | 7 53 | 1 6 | 16 19 | 1 27 | 22 55 | 0 28 | 22 41 | 0 33 | 21 9 | 0 2 | 15 49 | 0 36 | 8 33 | 16 39 | 17 31 | 17 40 | 18 55 | 16 57 | 3 20 |
| M 9 | 9 38 | 17 1 | 4 33 | 4 37 | 1 29 | 7 30 | 1 9 | 16 5 | 1 28 | 22 55 | 0 28 | 22 41 | 0 33 | 21 9 | 0 2 | 15 49 | 0 36 | 8 33 | 16 39 | 17 34 | 17 41 | 18 57 | 16 58 | 3 20 |
| T 10 | 10 0 | 19 25 | 3 51 | 5 30 | 1 21 | 7 5 | 1 12 | 15 52 | 1 28 | 22 55 | 0 28 | 22 41 | 0 33 | 21 10 | 0 2 | 15 49 | 0 36 | 8 32 | 16 39 | 17 35 | 17 42 | 18 58 | 16 59 | 3 20 |
| W11 | 10 21 | 20 31 | 2 55 | 6 25 | 1 13 | 6 41 | 1 14 | 15 38 | 1 29 | 22 55 | 0 28 | 22 41 | 0 33 | 21 11 | 0 2 | 15 49 | 0 36 | 8 32 | 16 39 | 17 36 | 17 43 | 18 59 | 17 0 | 3 20 |
| T 12 | 10 42 | 20 18 | 1 49 | 7 19 | 1 4 | 6 16 | 1 17 | 15 24 | 1 30 | 22 55 | 0 28 | 22 41 | 0 33 | 21 11 | 0 2 | 15 49 | 0 36 | 8 32 | 16 39 | 17 37 | 17 44 | 19 0 | 17 1 | 3 20 |
| F 13 | 11 3 | 18 49 | 0 38 | 8 15 | 0 54 | 5 51 | 1 20 | 15 10 | 1 31 | 22 55 | 0 28 | 22 42 | 0 33 | 21 12 | 0 2 | 15 49 | 0 36 | 8 31 | 16 40 | 17 37 | 17 45 | 19 1 | 17 2 | 3 20 |
| S 14 | 11 24 | 16 16 | 0n34 | 9 10 | 0 45 | 5 26 | 1 22 | 14 56 | 1 32 | 22 55 | 0 27 | 22 42 | 0 33 | 21 12 | 0 2 | 15 49 | 0 36 | 8 31 | 16 40 | 17 37 | 17 46 | 19 2 | 17 3 | 3 20 |
| S 15 | 11 44 | 12 54 | 1 43 | 10 5 | 0 35 | 5 1 | 1 24 | 14 42 | 1 33 | 22 55 | 0 27 | 22 42 | 0 33 | 21 13 | 0 2 | 15 49 | 0 36 | 8 30 | 16 40 | 17 37 | 17 46 | 19 3 | 17 4 | 3 20 |
| M16 | 12 4 | 8 56 | 2 45 | 11 1 | 0 25 | 4 35 | 1 27 | 14 28 | 1 34 | 22 55 | 0 27 | 22 42 | 0 33 | 21 13 | 0 2 | 15 49 | 0 36 | 8 30 | 16 40 | 17 38 | 17 47 | 19 4 | 17 5 | 3 20 |
| T 17 | 12 24 | 4 37 | 3 37 | 11 56 | 0 15 | 4 10 | 1 29 | 14 13 | 1 35 | 22 55 | 0 27 | 22 42 | 0 33 | 21 14 | 0 2 | 15 50 | 0 36 | 8 29 | 16 40 | 17 40 | 17 48 | 19 5 | 17 6 | 3 20 |
| W18 | 12 44 | 0 10 | 4 18 | 12 50 | 0 4 | 3 44 | 1 31 | 13 59 | 1 36 | 22 55 | 0 27 | 22 42 | 0 33 | 21 14 | 0 2 | 15 50 | 0 36 | 8 29 | 16 40 | 17 42 | 17 49 | 19 7 | 17 6 | 3 20 |
| T 19 | 13 4 | 4s14 | 4 45 | 13 44 | 0n 7 | 3 18 | 1 33 | 13 44 | 1 36 | 22 54 | 0 27 | 22 42 | 0 33 | 21 15 | 0 2 | 15 50 | 0 36 | 8 28 | 16 40 | 17 45 | 17 50 | 19 8 | 17 7 | 3 20 |
| F 20 | 13 24 | 8 24 | 4 58 | 14 37 | 0 17 | 2 52 | 1 35 | 13 29 | 1 37 | 22 54 | 0 27 | 22 42 | 0 33 | 21 16 | 0 2 | 15 50 | 0 36 | 8 28 | 16 40 | 17 49 | 17 51 | 19 9 | 17 8 | 3 20 |
| S 21 | 13 43 | 12 10 | 4 58 | 15 28 | 0 28 | 2 25 | 1 37 | 13 15 | 1 38 | 22 54 | 0 27 | 22 42 | 0 33 | 21 16 | 0 2 | 15 50 | 0 36 | 8 28 | 16 40 | 17 52 | 17 52 | 19 10 | 17 9 | 3 20 |
| S 22 | 14 2 | 15 23 | 4 43 | 16 19 | 0 38 | 1 59 | 1 38 | 13 0 | 1 39 | 22 54 | 0 27 | 22 42 | 0 33 | 21 17 | 0 2 | 15 50 | 0 36 | 8 27 | 16 40 | 17 56 | 17 52 | 19 11 | 17 10 | 3 20 |
| M23 | 14 21 | 17 56 | 4 17 | 17 7 | 0 48 | 1 32 | 1 40 | 12 45 | 1 40 | 22 54 | 0 27 | 22 42 | 0 33 | 21 17 | 0 2 | 15 50 | 0 36 | 8 27 | 16 40 | 17 59 | 17 53 | 19 12 | 17 11 | 3 20 |
| T 24 | 14 39 | 19 42 | 3 39 | 17 54 | 0 58 | 1 6 | 1 42 | 12 29 | 1 41 | 22 54 | 0 27 | 22 42 | 0 33 | 21 18 | 0 2 | 15 50 | 0 36 | 8 26 | 16 40 | 18 1 | 17 54 | 19 13 | 17 12 | 3 20 |
| W25 | 14 58 | 20 37 | 2 52 | 18 39 | 1 8 | 0 39 | 1 43 | 12 14 | 1 41 | 22 54 | 0 27 | 22 42 | 0 33 | 21 19 | 0 2 | 15 50 | 0 36 | 8 26 | 16 41 | 18 3 | 17 55 | 19 14 | 17 13 | 3 20 |
| T 26 | 15 16 | 20 36 | 1 57 | 19 22 | 1 17 | 0 12 | 1 44 | 11 59 | 1 42 | 22 54 | 0 27 | 22 43 | 0 33 | 21 19 | 0 2 | 15 50 | 0 36 | 8 26 | 16 41 | 18 4 | 17 56 | 19 15 | 17 14 | 3 20 |
| F 27 | 15 34 | 19 40 | 0 57 | 20 3 | 1 26 | 0n14 | 1 46 | 11 44 | 1 43 | 22 53 | 0 27 | 22 43 | 0 33 | 21 20 | 0 2 | 15 50 | 0 36 | 8 25 | 16 41 | 18 4 | 17 57 | 19 16 | 17 15 | 3 20 |
| S 28 | 15 51 | 17 50 | 0s 7 | 20 41 | 1 34 | 0 41 | 1 47 | 11 28 | 1 44 | 22 53 | 0 27 | 22 43 | 0 33 | 21 20 | 0 2 | 15 50 | 0 36 | 8 25 | 16 41 | 18 4 | 17 58 | 19 17 | 17 16 | 3 20 |
| S 29 | 16 9 | 15 8 | 1 12 | 21 17 | 1 41 | 1 8 | 1 48 | 11 13 | 1 45 | 22 53 | 0 27 | 22 43 | 0 33 | 21 21 | 0 2 | 15 50 | 0 36 | 8 25 | 16 41 | 18 4 | 17 58 | 19 18 | 17 17 | 3 20 |
| M30 | 16n26 | 11s39 | 2s15 | 21n50 | 1n48 | 1n35 | 1s49 | 10s57 | 1s46 | 22s53 | 0n26 | 22s43 | 0n33 | 21n22 | 0s 2 | 15n49 | 0n36 | 8s24 | 16s41 | 18n 5 | 17n59 | 19s19 | 17n18 | 3s20 |

Julian Day Number = 2125114.5, Delta T = 17m23s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'50, Lahiri = 11°23'50 Julian Calendar 1 Apr. 1106 == Greg. Calendar 8 Apr. 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## MAY 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 58 49 | 16♉ 1'02 | 18♓34 | 1♊ 7 | 9♈21 | 6♓51 | 22°R 6 | 8°R45 | 5♊56 | 18♎49 | 17♈50 | 9°R 0 | 9♎20 | 20♐29 | 1♊33 | T 1 |
| W 2 | 15 2 45 | 16°58'42 | 2♈ 9 | 2°59 | 10°31 | 7°35 | 22♐ 1 | 8♑43 | 5°59 | 18°49 | 17°51 | 8♎55 | 9°17 | 20°36 | 1°38 | W 2 |
| T 3 | 15 6 42 | 17°56'21 | 16°14 | 4°49 | 11°42 | 8°19 | 21°56 | 8°41 | 6° 3 | 18°50 | 17°52 | 8°47 | 9°14 | 20°43 | 1°43 | T 3 |
| F 4 | 15 10 38 | 18°53'59 | 0♉45 | 6°35 | 12°52 | 9° 3 | 21°51 | 8°39 | 6° 6 | 18°50 | 17°53 | 8°37 | 9°11 | 20°49 | 1°47 | F 4 |
| S 5 | 15 14 35 | 19°51'36 | 15°38 | 8°19 | 14° 3 | 9°47 | 21°46 | 8°37 | 6° 9 | 18°50 | 17°54 | 8°26 | 9° 8 | 20°56 | 1°52 | S 5 |
| S 6 | 15 18 31 | 20°49'11 | 0♊42 | 10° 0 | 15°14 | 10°31 | 21°40 | 8°35 | 6°13 | 18°51 | 17°56 | 8°15 | 9° 4 | 21° 3 | 1°57 | S 6 |
| M 7 | 15 22 28 | 21°46'46 | 15°49 | 11°38 | 16°25 | 11°14 | 21°35 | 8°33 | 6°16 | 18°51 | 17°57 | 8° 6 | 9° 1 | 21° 9 | 2° 2 | M 7 |
| T 8 | 15 26 24 | 22°44'19 | 0♋48 | 13°13 | 17°35 | 11°58 | 21°29 | 8°31 | 6°20 | 18°52 | 17°58 | 8° 0 | 8°58 | 21°16 | 2° 7 | T 8 |
| W 9 | 15 30 21 | 23°41'51 | 15°31 | 14°45 | 18°46 | 12°42 | 21°23 | 8°28 | 6°23 | 18°52 | 17°59 | 7°56 | 8°55 | 21°23 | 2°12 | W 9 |
| T 10 | 15 34 18 | 24°39'21 | 29°54 | 16°13 | 19°57 | 13°26 | 21°17 | 8°26 | 6°27 | 18°53 | 18° 0 | 7°54 | 8°52 | 21°29 | 2°17 | T 10 |
| F 11 | 15 38 14 | 25°36'50 | 13♌55 | 17°39 | 21° 8 | 14° 9 | 21°11 | 8°23 | 6°30 | 18°53 | 18° 2 | 7°D54 | 8°49 | 21°36 | 2°22 | F 11 |
| S 12 | 15 42 11 | 26°34'18 | 27°33 | 19° 1 | 22°19 | 14°53 | 21° 5 | 8°20 | 6°34 | 18°54 | 18° 3 | 7°R55 | 8°45 | 21°43 | 2°26 | S 12 |
| S 13 | 15 46 7 | 27°31'44 | 10♍50 | 20°20 | 23°30 | 15°37 | 20°58 | 8°18 | 6°37 | 18°54 | 18° 4 | 7°54 | 8°42 | 21°49 | 2°31 | S 13 |
| M14 | 15 50 4 | 28°29'09 | 23°49 | 21°36 | 24°41 | 16°20 | 20°52 | 8°15 | 6°41 | 18°55 | 18° 5 | 7°51 | 8°39 | 21°56 | 2°36 | M14 |
| T 15 | 15 54 0 | 29°26'32 | 6♎33 | 22°48 | 25°52 | 17° 4 | 20°45 | 8°12 | 6°44 | 18°56 | 18° 6 | 7°46 | 8°36 | 22° 3 | 2°41 | T 15 |
| W16 | 15 57 57 | 0♊23'55 | 19° 4 | 23°57 | 27° 3 | 17°47 | 20°39 | 8° 9 | 6°48 | 18°56 | 18° 7 | 7°39 | 8°33 | 22° 9 | 2°46 | W16 |
| T 17 | 16 1 53 | 1°21'16 | 1♏24 | 25° 3 | 28°14 | 18°30 | 20°32 | 8° 6 | 6°51 | 18°57 | 18° 8 | 7°29 | 8°30 | 22°16 | 2°51 | T 17 |
| F 18 | 16 5 50 | 2°18'37 | 13°36 | 26° 5 | 29°26 | 19°14 | 20°25 | 8° 3 | 6°55 | 18°58 | 18° 9 | 7°18 | 8°26 | 22°23 | 2°56 | F 18 |
| S 19 | 16 9 46 | 3°15'56 | 25°40 | 27° 3 | 0♉37 | 19°57 | 20°18 | 8° 0 | 6°59 | 18°59 | 18°10 | 7° 6 | 8°23 | 22°30 | 3° 1 | S 19 |
| S 20 | 16 13 43 | 4°13'15 | 7♐38 | 27°58 | 1°48 | 20°40 | 20°11 | 7°57 | 7° 2 | 18°59 | 18°11 | 6°55 | 8°20 | 22°36 | 3° 6 | S 20 |
| M21 | 16 17 40 | 5°10'33 | 19°31 | 28°49 | 2°59 | 21°23 | 20° 4 | 7°53 | 7° 6 | 19° 0 | 18°12 | 6°45 | 8°17 | 22°43 | 3°11 | M21 |
| T 22 | 16 21 36 | 6° 7'50 | 1♑21 | 29°36 | 4°11 | 22° 6 | 19°57 | 7°50 | 7° 9 | 19° 1 | 18°13 | 6°37 | 8°14 | 22°50 | 3°16 | T 22 |
| W23 | 16 25 33 | 7° 5'07 | 13°10 | 0♋20 | 5°22 | 22°49 | 19°50 | 7°46 | 7°13 | 19° 2 | 18°14 | 6°32 | 8°10 | 22°56 | 3°21 | W23 |
| T 24 | 16 29 29 | 8° 2'23 | 25° 1 | 0°59 | 6°34 | 23°32 | 19°42 | 7°43 | 7°16 | 19° 3 | 18°15 | 6°29 | 8° 7 | 23° 3 | 3°26 | T 24 |
| F 25 | 16 33 26 | 8°59'39 | 6♒57 | 1°34 | 7°45 | 24°15 | 19°35 | 7°39 | 7°20 | 19° 4 | 18°16 | 6°D29 | 8° 4 | 23°10 | 3°31 | F 25 |
| S 26 | 16 37 22 | 9°56'54 | 19° 4 | 2° 5 | 8°57 | 24°58 | 19°28 | 7°36 | 7°23 | 19° 5 | 18°17 | 6°29 | 8° 1 | 23°16 | 3°36 | S 26 |
| S 27 | 16 41 19 | 10°54'09 | 1♓24 | 2°32 | 10° 8 | 25°40 | 19°20 | 7°32 | 7°27 | 19° 6 | 18°18 | 6°30 | 7°58 | 23°23 | 3°40 | S 27 |
| M28 | 16 45 16 | 11°51'23 | 14° 5 | 2°54 | 11°20 | 26°23 | 19°13 | 7°29 | 7°31 | 19° 7 | 18°19 | 6°R30 | 7°55 | 23°30 | 3°45 | M28 |
| T 29 | 16 49 12 | 12°48'37 | 27° 9 | 3°12 | 12°31 | 27° 6 | 19° 5 | 7°25 | 7°34 | 19° 8 | 18°20 | 6°29 | 7°51 | 23°36 | 3°50 | T 29 |
| W30 | 16 53 9 | 13°45'51 | 10♈40 | 3°25 | 13°43 | 27°48 | 18°57 | 7°21 | 7°38 | 19° 9 | 18°21 | 6°26 | 7°48 | 23°43 | 3°55 | W30 |
| T 31 | 16 57 5 | 14♊43'05 | 24♈40 | 3♋34 | 14♉55 | 28♓30 | 18♐50 | 7♑17 | 7♊41 | 19♎11 | 18♈22 | 6♎22 | 7♎45 | 23♐50 | 4♊ 0 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n43 | 7s30 | 3s13 | 22n21 | 1n55 | 2n 2 | 1s50 | 10s41 | 1s46 | 22s53 | 0n26 | 22s43 | 0n33 | 21n22 | 0s 2 | 15n49 | 0n36 | 8s24 | 16s41 | 18n 5 | 18n 0 | 19s20 | 17n19 | 3s20 |
| W 2 | 16 59 | 2 50 | 4 2 | 22 49 | 2 0 | 2 29 | 1 50 | 10 25 | 1 47 | 22 52 | 0 26 | 22 43 | 0 33 | 21 23 | 0 2 | 15 49 | 0 36 | 8 24 | 16 41 | 18 7 | 18 1 | 19 22 | 17 20 | 3 20 |
| T 3 | 17 15 | 2n 8 | 4 38 | 23 15 | 2 5 | 2 57 | 1 51 | 10 10 | 1 48 | 22 52 | 0 26 | 22 44 | 0 33 | 21 23 | 0 2 | 15 49 | 0 36 | 8 23 | 16 42 | 18 9 | 18 2 | 19 23 | 17 20 | 3 20 |
| F 4 | 17 32 | 7 8 | 4 58 | 23 38 | 2 9 | 3 24 | 1 52 | 9 54 | 1 49 | 22 52 | 0 26 | 22 44 | 0 33 | 21 24 | 0 2 | 15 49 | 0 36 | 8 23 | 16 42 | 18 12 | 18 3 | 19 24 | 17 21 | 3 20 |
| S 5 | 17 47 | 11 50 | 4 59 | 23 58 | 2 12 | 3 51 | 1 52 | 9 38 | 1 50 | 22 52 | 0 26 | 22 44 | 0 32 | 21 25 | 0 2 | 15 49 | 0 36 | 8 23 | 16 42 | 18 15 | 18 4 | 19 25 | 17 22 | 3 20 |
| S 6 | 18 3 | 15 51 | 4 39 | 24 17 | 2 15 | 4 18 | 1 53 | 9 22 | 1 50 | 22 51 | 0 26 | 22 44 | 0 32 | 21 25 | 0 2 | 15 49 | 0 36 | 8 22 | 16 42 | 18 17 | 18 4 | 19 26 | 17 23 | 3 20 |
| M 7 | 18 18 | 18 50 | 3 59 | 24 32 | 2 16 | 4 45 | 1 53 | 9 6 | 1 51 | 22 51 | 0 26 | 22 44 | 0 32 | 21 26 | 0 2 | 15 49 | 0 36 | 8 22 | 16 42 | 18 20 | 18 5 | 19 27 | 17 24 | 3 20 |
| T 8 | 18 33 | 20 30 | 3 3 | 24 46 | 2 17 | 5 11 | 1 53 | 8 50 | 1 52 | 22 51 | 0 26 | 22 44 | 0 32 | 21 26 | 0 2 | 15 49 | 0 36 | 8 22 | 16 43 | 18 21 | 18 6 | 19 28 | 17 25 | 3 20 |
| W 9 | 18 47 | 20 44 | 1 56 | 24 57 | 2 17 | 5 38 | 1 54 | 8 33 | 1 53 | 22 51 | 0 26 | 22 45 | 0 32 | 21 27 | 0 2 | 15 48 | 0 36 | 8 22 | 16 43 | 18 22 | 18 7 | 19 29 | 17 26 | 3 20 |
| T 10 | 19 1 | 19 35 | 0 42 | 25 6 | 2 17 | 6 5 | 1 54 | 8 17 | 1 53 | 22 50 | 0 26 | 22 45 | 0 32 | 21 28 | 0 2 | 15 48 | 0 36 | 8 21 | 16 43 | 18 23 | 18 8 | 19 30 | 17 27 | 3 20 |
| F 11 | 19 15 | 17 14 | 0n32 | 25 13 | 2 15 | 6 32 | 1 54 | 8 1 | 1 54 | 22 50 | 0 26 | 22 45 | 0 32 | 21 28 | 0 2 | 15 48 | 0 36 | 8 21 | 16 43 | 18 23 | 18 9 | 19 31 | 17 28 | 3 20 |
| S 12 | 19 29 | 13 59 | 1 42 | 25 18 | 2 13 | 6 58 | 1 54 | 7 45 | 1 55 | 22 50 | 0 25 | 22 45 | 0 32 | 21 29 | 0 2 | 15 48 | 0 36 | 8 21 | 16 43 | 18 23 | 18 9 | 19 32 | 17 29 | 3 20 |
| S 13 | 19 42 | 10 5 | 2 45 | 25 21 | 2 10 | 7 25 | 1 53 | 7 28 | 1 56 | 22 49 | 0 25 | 22 45 | 0 32 | 21 29 | 0 2 | 15 48 | 0 36 | 8 21 | 16 43 | 18 23 | 18 10 | 19 33 | 17 30 | 3 20 |
| M14 | 19 55 | 5 48 | 3 38 | 25 22 | 2 6 | 7 51 | 1 53 | 7 12 | 1 56 | 22 49 | 0 25 | 22 46 | 0 32 | 21 30 | 0 2 | 15 47 | 0 36 | 8 20 | 16 44 | 18 24 | 18 11 | 19 34 | 17 30 | 3 20 |
| T 15 | 20 8 | 1 21 | 4 19 | 25 22 | 2 1 | 8 17 | 1 53 | 6 56 | 1 57 | 22 49 | 0 25 | 22 46 | 0 32 | 21 31 | 0 2 | 15 47 | 0 36 | 8 20 | 16 44 | 18 25 | 18 12 | 19 35 | 17 31 | 3 20 |
| W16 | 20 20 | 3s 4 | 4 47 | 25 20 | 1 55 | 8 44 | 1 52 | 6 39 | 1 58 | 22 48 | 0 25 | 22 46 | 0 32 | 21 31 | 0 2 | 15 47 | 0 36 | 8 20 | 16 44 | 18 27 | 18 13 | 19 36 | 17 32 | 3 20 |
| T 17 | 20 32 | 7 19 | 5 1 | 25 16 | 1 49 | 9 9 | 1 52 | 6 23 | 1 58 | 22 48 | 0 25 | 22 46 | 0 32 | 21 32 | 0 2 | 15 47 | 0 36 | 8 20 | 16 44 | 18 29 | 18 14 | 19 37 | 17 33 | 3 21 |
| F 18 | 20 43 | 11 13 | 5 1 | 25 11 | 1 42 | 9 35 | 1 51 | 6 6 | 1 59 | 22 48 | 0 25 | 22 47 | 0 32 | 21 32 | 0 2 | 15 46 | 0 36 | 8 20 | 16 45 | 18 32 | 18 14 | 19 38 | 17 34 | 3 21 |
| S 19 | 20 55 | 14 37 | 4 47 | 25 5 | 1 34 | 10 1 | 1 51 | 5 50 | 2 0 | 22 47 | 0 25 | 22 47 | 0 32 | 21 33 | 0 2 | 15 46 | 0 36 | 8 20 | 16 45 | 18 35 | 18 15 | 19 39 | 17 35 | 3 21 |
| S 20 | 21 5 | 17 24 | 4 21 | 24 57 | 1 25 | 10 26 | 1 50 | 5 34 | 2 0 | 22 47 | 0 25 | 22 47 | 0 32 | 21 34 | 0 2 | 15 46 | 0 36 | 8 19 | 16 45 | 18 38 | 18 16 | 19 40 | 17 36 | 3 21 |
| M21 | 21 16 | 19 25 | 3 43 | 24 48 | 1 16 | 10 51 | 1 49 | 5 17 | 2 1 | 22 46 | 0 24 | 22 47 | 0 32 | 21 34 | 0 2 | 15 46 | 0 36 | 8 19 | 16 45 | 18 40 | 18 17 | 19 41 | 17 36 | 3 21 |
| T 22 | 21 26 | 20 37 | 2 56 | 24 38 | 1 5 | 11 16 | 1 48 | 5 1 | 2 2 | 22 46 | 0 24 | 22 48 | 0 32 | 21 35 | 0 2 | 15 45 | 0 36 | 8 19 | 16 45 | 18 42 | 18 18 | 19 42 | 17 37 | 3 21 |
| W23 | 21 36 | 20 53 | 2 1 | 24 28 | 0 54 | 11 41 | 1 47 | 4 44 | 2 2 | 22 45 | 0 24 | 22 48 | 0 32 | 21 35 | 0 2 | 15 45 | 0 36 | 8 19 | 16 46 | 18 44 | 18 19 | 19 43 | 17 38 | 3 21 |
| T 24 | 21 45 | 20 14 | 1 1 | 24 16 | 0 43 | 12 6 | 1 46 | 4 28 | 2 3 | 22 45 | 0 24 | 22 48 | 0 32 | 21 36 | 0 2 | 15 45 | 0 36 | 8 19 | 16 46 | 18 44 | 18 19 | 19 44 | 17 39 | 3 21 |
| F 25 | 21 54 | 18 40 | 0s 3 | 24 3 | 0 30 | 12 30 | 1 45 | 4 11 | 2 4 | 22 45 | 0 24 | 22 48 | 0 32 | 21 37 | 0 2 | 15 44 | 0 36 | 8 19 | 16 46 | 18 45 | 18 20 | 19 45 | 17 40 | 3 21 |
| S 26 | 22 3 | 16 14 | 1 7 | 23 50 | 0 17 | 12 54 | 1 44 | 3 55 | 2 4 | 22 44 | 0 24 | 22 49 | 0 31 | 21 37 | 0 2 | 15 44 | 0 36 | 8 19 | 16 46 | 18 44 | 18 21 | 19 46 | 17 41 | 3 21 |
| S 27 | 22 11 | 13 3 | 2 10 | 23 35 | 0 4 | 13 18 | 1 43 | 3 38 | 2 5 | 22 44 | 0 24 | 22 49 | 0 31 | 21 38 | 0 2 | 15 44 | 0 36 | 8 18 | 16 47 | 18 44 | 18 22 | 19 47 | 17 41 | 3 22 |
| M28 | 22 19 | 9 11 | 3 8 | 23 21 | 0s10 | 13 41 | 1 42 | 3 22 | 2 5 | 22 43 | 0 24 | 22 49 | 0 31 | 21 38 | 0 2 | 15 43 | 0 36 | 8 18 | 16 47 | 18 44 | 18 23 | 19 47 | 17 42 | 3 22 |
| T 29 | 22 27 | 4 47 | 3 58 | 23 6 | 0 25 | 14 5 | 1 40 | 3 5 | 2 6 | 22 43 | 0 24 | 22 49 | 0 31 | 21 39 | 0 2 | 15 43 | 0 36 | 8 18 | 16 47 | 18 44 | 18 23 | 19 48 | 17 43 | 3 22 |
| W30 | 22 34 | 0 0 | 4 37 | 22 50 | 0 40 | 14 28 | 1 39 | 2 49 | 2 7 | 22 42 | 0 23 | 22 50 | 0 31 | 21 40 | 0 2 | 15 43 | 0 36 | 8 18 | 16 48 | 18 45 | 18 24 | 19 49 | 17 44 | 3 22 |
| T 31 | 22n40 | 4n56 | 5s 1 | 22n34 | 0s56 | 14n50 | 1s37 | 2s32 | 2s 7 | 22s42 | 0n23 | 22s50 | 0n31 | 21n40 | 0s 2 | 15n42 | 0n36 | 8s18 | 16s48 | 18n46 | 18n25 | 19s50 | 17n44 | 3s22 |

Julian Day Number = 2125144.5, Delta T = 17m22s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'54, Lahiri = 11°23'55 Julian Calendar 1 May 1106 == Greg. Calendar 8 May 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## JUNE 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 1 2 | 15♊40'18 | 9♉ 9 | 3°R38 | 16♉ 6 | 29♓13 | 18°R42 | 7°R13 | 7♊45 | 19♎12 | 18♈23 | 6°R15 | 7♎42 | 23♐56 | 4♊ 5 | F 1 |
| S 2 | 17 4 58 | 16°37'32 | 24° 1 | 3♋38 | 17°18 | 29°55 | 18♐34 | 7♑ 9 | 7°48 | 19°13 | 18°23 | 6♎ 8 | 7°39 | 24° 3 | 4°10 | S 2 |
| S 3 | 17 8 55 | 17°34'45 | 9♊10 | 3°33 | 18°30 | 0♈37 | 18°27 | 7° 5 | 7°52 | 19°14 | 18°24 | 6° 1 | 7°36 | 24°10 | 4°15 | S 3 |
| M 4 | 17 12 51 | 18°31'58 | 24°25 | 3°24 | 19°42 | 1°19 | 18°19 | 7° 1 | 7°55 | 19°15 | 18°25 | 5°55 | 7°32 | 24°16 | 4°20 | M 4 |
| T 5 | 17 16 48 | 19°29'11 | 9♋36 | 3°10 | 20°54 | 2° 1 | 18°11 | 6°57 | 7°59 | 19°17 | 18°26 | 5°50 | 7°29 | 24°23 | 4°24 | T 5 |
| W 6 | 17 20 45 | 20°26'23 | 24°33 | 2°53 | 22° 6 | 2°43 | 18° 4 | 6°53 | 8° 2 | 19°18 | 18°26 | 5°48 | 7°26 | 24°30 | 4°29 | W 6 |
| T 7 | 17 24 41 | 21°23'35 | 9♎10 | 2°31 | 23°18 | 3°25 | 17°56 | 6°49 | 8° 6 | 19°19 | 18°27 | 5°D47 | 7°23 | 24°37 | 4°34 | T 7 |
| F 8 | 17 28 38 | 22°20'46 | 23°21 | 2° 6 | 24°30 | 4° 6 | 17°48 | 6°45 | 8° 9 | 19°21 | 18°28 | 5°48 | 7°20 | 24°43 | 4°39 | F 8 |
| S 9 | 17 32 34 | 23°17'57 | 7♍ 7 | 1°38 | 25°42 | 4°48 | 17°41 | 6°40 | 8°13 | 19°22 | 18°29 | 5°50 | 7°16 | 24°50 | 4°44 | S 9 |
| S 10 | 17 36 31 | 24°15'07 | 20°28 | 1° 7 | 26°54 | 5°29 | 17°33 | 6°36 | 8°16 | 19°24 | 18°29 | 5°R50 | 7°13 | 24°57 | 4°48 | S 10 |
| M11 | 17 40 27 | 25°12'17 | 3♏26 | 0°34 | 28° 6 | 6°10 | 17°26 | 6°32 | 8°20 | 19°25 | 18°30 | 5°50 | 7°10 | 25° 3 | 4°53 | M11 |
| T 12 | 17 44 24 | 26° 9'26 | 16° 6 | 29♊59 | 29°18 | 6°52 | 17°18 | 6°28 | 8°23 | 19°26 | 18°31 | 5°48 | 7° 7 | 25°10 | 4°58 | T 12 |
| W13 | 17 48 20 | 27° 6'36 | 28°29 | 29°23 | 0♊30 | 7°33 | 17°11 | 6°23 | 8°26 | 19°28 | 18°31 | 5°45 | 7° 4 | 25°17 | 5° 3 | W13 |
| T 14 | 17 52 17 | 28° 3'44 | 10♏41 | 28°46 | 1°42 | 8°14 | 17° 3 | 6°19 | 8°30 | 19°29 | 18°32 | 5°40 | 7° 1 | 25°23 | 5° 7 | T 14 |
| F 15 | 17 56 14 | 29° 0'53 | 22°44 | 28° 9 | 2°54 | 8°55 | 16°56 | 6°15 | 8°33 | 19°31 | 18°32 | 5°34 | 6°57 | 25°30 | 5°12 | F 15 |
| S 16 | 18 0 10 | 29°58'02 | 4♐40 | 27°33 | 4° 6 | 9°35 | 16°49 | 6°10 | 8°37 | 19°33 | 18°33 | 5°27 | 6°54 | 25°37 | 5°17 | S 16 |
| S 17 | 18 4 7 | 0♋55'11 | 16°32 | 26°59 | 5°19 | 10°16 | 16°41 | 6° 6 | 8°40 | 19°34 | 18°34 | 5°21 | 6°51 | 25°43 | 5°21 | S 17 |
| M18 | 18 8 3 | 1°52'19 | 28°22 | 26°26 | 6°31 | 10°57 | 16°34 | 6° 1 | 8°43 | 19°36 | 18°34 | 5°16 | 6°48 | 25°50 | 5°26 | M18 |
| T 19 | 18 12 0 | 2°49'28 | 10♑12 | 25°56 | 7°43 | 11°37 | 16°27 | 5°57 | 8°47 | 19°37 | 18°35 | 5°12 | 6°45 | 25°57 | 5°30 | T 19 |
| W20 | 18 15 56 | 3°46'38 | 22° 4 | 25°28 | 8°56 | 12°17 | 16°20 | 5°53 | 8°50 | 19°39 | 18°35 | 5°10 | 6°42 | 26° 3 | 5°35 | W20 |
| T 21 | 18 19 53 | 4°43'47 | 4♒ 0 | 25° 5 | 10° 8 | 12°57 | 16°13 | 5°48 | 8°53 | 19°41 | 18°36 | 5°D 9 | 6°38 | 26°10 | 5°40 | T 21 |
| F 22 | 18 23 49 | 5°40'57 | 16° 3 | 24°45 | 11°20 | 13°37 | 16° 6 | 5°44 | 8°57 | 19°42 | 18°36 | 5° 9 | 6°35 | 26°17 | 5°44 | F 22 |
| S 23 | 18 27 46 | 6°38'07 | 28°16 | 24°30 | 12°33 | 14°17 | 15°59 | 5°39 | 9° 0 | 19°44 | 18°36 | 5°11 | 6°32 | 26°23 | 5°48 | S 23 |
| S 24 | 18 31 43 | 7°35'17 | 10♓42 | 24°19 | 13°45 | 14°57 | 15°53 | 5°35 | 9° 3 | 19°46 | 18°37 | 5°12 | 6°29 | 26°30 | 5°53 | S 24 |
| M25 | 18 35 39 | 8°32'29 | 23°24 | 24°14 | 14°58 | 15°37 | 15°46 | 5°31 | 9° 6 | 19°48 | 18°37 | 5°14 | 6°26 | 26°37 | 5°57 | M25 |
| T 26 | 18 39 36 | 9°29'40 | 6♈27 | 24°D13 | 16°11 | 16°16 | 15°40 | 5°26 | 9° 9 | 19°49 | 18°38 | 5°R14 | 6°22 | 26°43 | 6° 2 | T 26 |
| W27 | 18 43 32 | 10°26'53 | 19°54 | 24°18 | 17°23 | 16°55 | 15°33 | 5°22 | 9°13 | 19°51 | 18°38 | 5°14 | 6°19 | 26°50 | 6° 6 | W27 |
| T 28 | 18 47 29 | 11°24'06 | 3♉46 | 24°28 | 18°36 | 17°35 | 15°27 | 5°17 | 9°16 | 19°53 | 18°38 | 5°13 | 6°16 | 26°57 | 6°10 | T 28 |
| F 29 | 18 51 25 | 12°21'20 | 18° 3 | 24°44 | 19°48 | 18°14 | 15°21 | 5°13 | 9°19 | 19°55 | 18°39 | 5°11 | 6°13 | 27° 3 | 6°15 | F 29 |
| S 30 | 18 55 22 | 13♋18'35 | 2♊44 | 25♊ 6 | 21♊ 1 | 18♈53 | 15♐15 | 5♑ 9 | 9♊22 | 19♎57 | 18♈39 | 5♎ 8 | 6♎10 | 27♐10 | 6♊19 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n47 | 9n46 | 5s 7 | 22n18 | 1s12 | 15n12 | 1s36 | 2s16 | 2s 8 | 22s41 | 0n23 | 22s50 | 0n31 | 21n41 | 0s 2 | 15n42 | 0n36 | 8s18 | 16s48 | 18n48 | 18n26 | 19s51 | 17n45 | 3s22 | |
| S 2 | 22 53 | 14 8 | 4 53 | 22 2 | 1 28 | 15 34 | 1 34 | 2 0 | 2 8 | 22 41 | 0 23 | 22 51 | 0 31 | 21 41 | 0 2 | 15 42 | 0 36 | 8 18 | 16 48 | 18 50 | 18 27 | 19 52 | 17 46 | 3 22 | |
| S 3 | 22 58 | 17 41 | 4 18 | 21 46 | 1 45 | 15 56 | 1 33 | 1 43 | 2 9 | 22 40 | 0 23 | 22 51 | 0 31 | 21 42 | 0 2 | 15 41 | 0 36 | 8 18 | 16 49 | 18 52 | 18 28 | 19 53 | 17 47 | 3 22 | |
| M 4 | 23 3 | 20 2 | 3 24 | 21 30 | 2 1 | 16 17 | 1 31 | 1 27 | 2 9 | 22 40 | 0 23 | 22 51 | 0 31 | 21 43 | 0 2 | 15 41 | 0 36 | 8 18 | 16 49 | 18 53 | 18 28 | 19 54 | 17 47 | 3 23 | |
| T 5 | 23 8 | 20 56 | 2 17 | 21 14 | 2 17 | 16 38 | 1 29 | 1 11 | 2 10 | 22 39 | 0 23 | 22 51 | 0 31 | 21 43 | 0 2 | 15 40 | 0 36 | 8 18 | 16 49 | 18 54 | 18 29 | 19 55 | 17 48 | 3 23 | |
| W 6 | 23 12 | 20 19 | 1 0 | 20 58 | 2 34 | 16 58 | 1 27 | 0 55 | 2 10 | 22 39 | 0 22 | 22 52 | 0 31 | 21 44 | 0 2 | 15 40 | 0 36 | 8 18 | 16 50 | 18 55 | 18 30 | 19 56 | 17 49 | 3 23 | |
| T 7 | 23 16 | 18 21 | 0n18 | 20 42 | 2 49 | 17 18 | 1 26 | 0 38 | 2 11 | 22 38 | 0 22 | 22 52 | 0 31 | 21 44 | 0 2 | 15 40 | 0 36 | 8 18 | 16 50 | 18 55 | 18 31 | 19 57 | 17 50 | 3 23 | |
| F 8 | 23 20 | 15 16 | 1 34 | 20 28 | 3 5 | 17 38 | 1 24 | 0 22 | 2 11 | 22 37 | 0 22 | 22 52 | 0 31 | 21 45 | 0 2 | 15 39 | 0 36 | 8 18 | 16 50 | 18 55 | 18 32 | 19 58 | 17 50 | 3 23 | |
| S 9 | 23 23 | 11 26 | 2 42 | 20 13 | 3 19 | 17 57 | 1 22 | 0 6 | 2 12 | 22 37 | 0 22 | 22 53 | 0 31 | 21 45 | 0 1 | 15 39 | 0 36 | 8 18 | 16 50 | 18 54 | 18 32 | 19 59 | 17 51 | 3 23 | |
| S 10 | 23 26 | 7 8 | 3 38 | 20 0 | 3 33 | 18 16 | 1 20 | 0n10 | 2 12 | 22 36 | 0 22 | 22 53 | 0 30 | 21 46 | 0 1 | 15 38 | 0 36 | 8 18 | 16 51 | 18 54 | 18 33 | 20 0 | 17 52 | 3 24 | |
| M11 | 23 28 | 2 38 | 4 22 | 19 47 | 3 46 | 18 34 | 1 18 | 0 26 | 2 13 | 22 36 | 0 22 | 22 53 | 0 30 | 21 46 | 0 1 | 15 38 | 0 36 | 8 18 | 16 51 | 18 54 | 18 34 | 20 0 | 17 52 | 3 24 | |
| T 12 | 23 30 | 1s52 | 4 52 | 19 35 | 3 58 | 18 52 | 1 15 | 0 42 | 2 13 | 22 35 | 0 22 | 22 53 | 0 30 | 21 47 | 0 1 | 15 37 | 0 36 | 8 18 | 16 51 | 18 55 | 18 35 | 20 1 | 17 53 | 3 24 | |
| W13 | 23 31 | 6 11 | 5 8 | 19 24 | 4 9 | 19 9 | 1 13 | 0 58 | 2 14 | 22 35 | 0 21 | 22 54 | 0 30 | 21 48 | 0 1 | 15 37 | 0 36 | 8 18 | 16 52 | 18 55 | 18 36 | 20 2 | 17 54 | 3 24 | |
| T 14 | 23 32 | 10 12 | 5 9 | 19 15 | 4 18 | 19 26 | 1 11 | 1 14 | 2 14 | 22 34 | 0 21 | 22 54 | 0 30 | 21 48 | 0 1 | 15 36 | 0 36 | 8 18 | 16 52 | 18 57 | 18 37 | 20 3 | 17 54 | 3 24 | |
| F 15 | 23 33 | 13 45 | 4 57 | 19 6 | 4 26 | 19 43 | 1 9 | 1 29 | 2 15 | 22 34 | 0 21 | 22 54 | 0 30 | 21 49 | 0 1 | 15 36 | 0 36 | 8 18 | 16 52 | 18 58 | 18 37 | 20 4 | 17 55 | 3 24 | |
| S 16 | 23 33 | 16 43 | 4 31 | 18 59 | 4 33 | 19 59 | 1 7 | 1 45 | 2 15 | 22 33 | 0 21 | 22 55 | 0 30 | 21 49 | 0 1 | 15 35 | 0 36 | 8 18 | 16 53 | 19 0 | 18 38 | 20 5 | 17 56 | 3 25 | |
| S 17 | 23 33 | 18 59 | 3 54 | 18 54 | 4 38 | 20 14 | 1 4 | 2 1 | 2 15 | 22 32 | 0 21 | 22 55 | 0 30 | 21 50 | 0 1 | 15 35 | 0 36 | 8 18 | 16 53 | 19 1 | 18 39 | 20 6 | 17 56 | 3 25 | |
| M18 | 23 32 | 20 25 | 3 7 | 18 49 | 4 41 | 20 29 | 1 2 | 2 16 | 2 16 | 22 32 | 0 21 | 22 55 | 0 30 | 21 50 | 0 1 | 15 34 | 0 36 | 8 19 | 16 53 | 19 3 | 18 40 | 20 7 | 17 57 | 3 25 | |
| T 19 | 23 31 | 20 58 | 2 12 | 18 47 | 4 43 | 20 43 | 1 0 | 2 32 | 2 16 | 22 31 | 0 20 | 22 55 | 0 30 | 21 51 | 0 1 | 15 34 | 0 36 | 8 19 | 16 54 | 19 4 | 18 41 | 20 8 | 17 57 | 3 25 | |
| W20 | 23 30 | 20 34 | 1 11 | 18 46 | 4 43 | 20 57 | 0 57 | 2 47 | 2 16 | 22 31 | 0 20 | 22 56 | 0 30 | 21 51 | 0 1 | 15 33 | 0 36 | 8 19 | 16 54 | 19 4 | 18 41 | 20 8 | 17 58 | 3 25 | |
| T 21 | 23 28 | 19 15 | 0 6 | 18 46 | 4 42 | 21 10 | 0 55 | 3 2 | 2 17 | 22 30 | 0 20 | 22 56 | 0 30 | 21 52 | 0 1 | 15 33 | 0 35 | 8 19 | 16 54 | 19 4 | 18 42 | 20 9 | 17 59 | 3 26 | |
| F 22 | 23 26 | 17 3 | 1s 0 | 18 48 | 4 39 | 21 23 | 0 53 | 3 18 | 2 17 | 22 30 | 0 20 | 22 56 | 0 29 | 21 52 | 0 1 | 15 32 | 0 35 | 8 19 | 16 55 | 19 4 | 18 43 | 20 10 | 17 59 | 3 26 | |
| S 23 | 23 23 | 14 4 | 2 4 | 18 52 | 4 35 | 21 35 | 0 50 | 3 33 | 2 17 | 22 29 | 0 20 | 22 57 | 0 29 | 21 53 | 0 1 | 15 32 | 0 35 | 8 19 | 16 55 | 19 4 | 18 44 | 20 11 | 18 0 | 3 26 | |
| S 24 | 23 20 | 10 25 | 3 3 | 18 57 | 4 29 | 21 46 | 0 48 | 3 48 | 2 18 | 22 29 | 0 20 | 22 57 | 0 29 | 21 53 | 0 1 | 15 31 | 0 35 | 8 19 | 16 55 | 19 3 | 18 45 | 20 12 | 18 0 | 3 26 | |
| M25 | 23 17 | 6 13 | 3 55 | 19 4 | 4 22 | 21 57 | 0 45 | 4 3 | 2 18 | 22 28 | 0 19 | 22 57 | 0 29 | 21 54 | 0 1 | 15 31 | 0 35 | 8 20 | 16 56 | 19 3 | 18 45 | 20 13 | 18 1 | 3 26 | |
| T 26 | 23 13 | 1 39 | 4 36 | 19 12 | 4 14 | 22 8 | 0 43 | 4 18 | 2 18 | 22 27 | 0 19 | 22 57 | 0 29 | 21 54 | 0 1 | 15 30 | 0 35 | 8 20 | 16 56 | 19 3 | 18 46 | 20 14 | 18 1 | 3 27 | |
| W27 | 23 8 | 3n 8 | 5 4 | 19 21 | 4 5 | 22 17 | 0 40 | 4 33 | 2 19 | 22 27 | 0 19 | 22 58 | 0 29 | 21 55 | 0 1 | 15 29 | 0 35 | 8 20 | 16 56 | 19 3 | 18 47 | 20 14 | 18 2 | 3 27 | |
| T 28 | 23 4 | 7 54 | 5 15 | 19 31 | 3 55 | 22 26 | 0 37 | 4 48 | 2 19 | 22 26 | 0 19 | 22 58 | 0 29 | 21 55 | 0 1 | 15 29 | 0 35 | 8 20 | 16 57 | 19 3 | 18 48 | 20 15 | 18 2 | 3 27 | |
| F 29 | 22 59 | 12 22 | 5 7 | 19 43 | 3 44 | 22 35 | 0 35 | 5 2 | 2 19 | 22 26 | 0 19 | 22 58 | 0 29 | 21 56 | 0 1 | 15 28 | 0 35 | 8 20 | 16 57 | 19 4 | 18 48 | 20 16 | 18 3 | 3 27 | |
| S 30 | 22n53 | 16n14 | 4s39 | 19n55 | 3s33 | 22n43 | 0s32 | 5n17 | 2s19 | 22s25 | 0n19 | 22s58 | 0n29 | 21n56 | 0s 1 | 15n28 | 0n35 | 8s20 | 16s57 | 19n 5 | 18n49 | 20s17 | 18n 3 | 3s28 | |

Julian Day Number = 2125175.5, Delta T = 17m22s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°16'58, Lahiri = 11°23'59 Julian Calendar 1 June 1106 == Greg. Calendar 8 June 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## JULY 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 59 18 | 14♋15'51 | 17♊41 | 25♊33 | 22♊14 | 19♈31 | 15°R 9 | 5°R 4 | 9♊25 | 19♎59 | 18♈39 | 5°R 5 | 6♎ 7 | 27♐17 | 6♊23 | S 1 |
| M 2 | 19 3 15 | 15°13'07 | 2♋49 | 26° 6 | 23°27 | 20°10 | 15♐ 3 | 5♑ 0 | 9°28 | 20° 0 | 18°39 | 5♎ 3 | 6° 3 | 27°23 | 6°27 | M 2 |
| T 3 | 19 7 12 | 16°10'24 | 17°58 | 26°44 | 24°40 | 20°48 | 14°58 | 4°56 | 9°31 | 20° 2 | 18°40 | 5° 1 | 6° 0 | 27°30 | 6°32 | T 3 |
| W 4 | 19 11 8 | 17° 7'42 | 2♎57 | 27°28 | 25°53 | 21°26 | 14°52 | 4°51 | 9°34 | 20° 4 | 18°40 | 5°D 1 | 5°57 | 27°37 | 6°36 | W 4 |
| T 5 | 19 15 5 | 18° 5'00 | 17°40 | 28°18 | 27° 5 | 22° 4 | 14°47 | 4°47 | 9°37 | 20° 6 | 18°40 | 5° 1 | 5°54 | 27°44 | 6°40 | T 5 |
| F 6 | 19 19 1 | 19° 2'19 | 2♍ 0 | 29°13 | 28°18 | 22°42 | 14°41 | 4°43 | 9°40 | 20° 8 | 18°40 | 5° 2 | 5°51 | 27°50 | 6°44 | F 6 |
| S 7 | 19 22 58 | 19°59'38 | 15°54 | 0♋14 | 29°31 | 23°20 | 14°36 | 4°39 | 9°43 | 20°10 | 18°40 | 5° 3 | 5°48 | 27°57 | 6°48 | S 7 |
| S 8 | 19 26 54 | 20°56'58 | 29°22 | 1°19 | 0♋44 | 23°57 | 14°32 | 4°35 | 9°46 | 20°12 | 18°40 | 5° 4 | 5°44 | 28° 4 | 6°52 | S 8 |
| M 9 | 19 30 51 | 21°54'18 | 12♎25 | 2°30 | 1°57 | 24°35 | 14°27 | 4°30 | 9°49 | 20°14 | 18°41 | 5° 5 | 5°41 | 28°10 | 6°56 | M 9 |
| T 10 | 19 34 47 | 22°51'39 | 25° 6 | 3°46 | 3°10 | 25°12 | 14°22 | 4°26 | 9°52 | 20°16 | 18°41 | 5°R 5 | 5°38 | 28°17 | 7° 0 | T 10 |
| W11 | 19 38 44 | 23°49'00 | 7♏29 | 5° 7 | 4°24 | 25°49 | 14°18 | 4°22 | 9°54 | 20°18 | 18°41 | 5° 5 | 5°35 | 28°24 | 7° 3 | W11 |
| T 12 | 19 42 41 | 24°46'22 | 19°37 | 6°33 | 5°37 | 26°25 | 14°13 | 4°18 | 9°57 | 20°20 | 18°41 | 5° 4 | 5°32 | 28°30 | 7° 7 | T 12 |
| F 13 | 19 46 37 | 25°43'44 | 1♐36 | 8° 3 | 6°50 | 27° 2 | 14° 9 | 4°14 | 10° 0 | 20°22 | 18°R41 | 5° 3 | 5°28 | 28°37 | 7°11 | F 13 |
| S 14 | 19 50 34 | 26°41'08 | 13°29 | 9°38 | 8° 3 | 27°38 | 14° 5 | 4°10 | 10° 3 | 20°24 | 18°41 | 5° 2 | 5°25 | 28°44 | 7°15 | S 14 |
| S 15 | 19 54 30 | 27°38'32 | 25°18 | 11°17 | 9°16 | 28°14 | 14° 2 | 4° 6 | 10° 5 | 20°26 | 18°41 | 5° 0 | 5°22 | 28°50 | 7°18 | S 15 |
| M16 | 19 58 27 | 28°35'57 | 7♑ 8 | 12°59 | 10°30 | 28°50 | 13°58 | 4° 3 | 10° 8 | 20°28 | 18°41 | 5° 0 | 5°19 | 28°57 | 7°22 | M16 |
| T 17 | 20 2 23 | 29°33'23 | 19° 2 | 14°46 | 11°43 | 29°26 | 13°55 | 3°59 | 10°11 | 20°31 | 18°41 | 4°59 | 5°16 | 29° 4 | 7°25 | T 17 |
| W18 | 20 6 20 | 0♎30'50 | 1♒ 0 | 16°35 | 12°56 | 0♉ 1 | 13°51 | 3°55 | 10°13 | 20°33 | 18°40 | 4°D59 | 5°13 | 29°10 | 7°29 | W18 |
| T 19 | 20 10 17 | 1°28'18 | 13° 6 | 18°28 | 14°10 | 0°37 | 13°48 | 3°52 | 10°16 | 20°35 | 18°40 | 4°59 | 5° 9 | 29°17 | 7°32 | T 19 |
| F 20 | 20 14 13 | 2°25'47 | 25°21 | 20°22 | 15°23 | 1°12 | 13°45 | 3°48 | 10°18 | 20°37 | 18°40 | 4°59 | 5° 6 | 29°24 | 7°36 | F 20 |
| S 21 | 20 18 10 | 3°23'17 | 7♓46 | 22°19 | 16°37 | 1°46 | 13°43 | 3°44 | 10°21 | 20°39 | 18°40 | 4°59 | 5° 3 | 29°30 | 7°39 | S 21 |
| S 22 | 20 22 6 | 4°20'49 | 20°25 | 24°18 | 17°50 | 2°21 | 13°40 | 3°41 | 10°23 | 20°41 | 18°40 | 4°59 | 5° 0 | 29°37 | 7°43 | S 22 |
| M23 | 20 26 3 | 5°18'22 | 3♈18 | 26°19 | 19° 4 | 2°55 | 13°38 | 3°37 | 10°25 | 20°43 | 18°40 | 4°R59 | 4°57 | 29°44 | 7°46 | M23 |
| T 24 | 20 29 59 | 6°15'56 | 16°28 | 28°20 | 20°17 | 3°29 | 13°35 | 3°34 | 10°28 | 20°46 | 18°39 | 4°59 | 4°54 | 29°50 | 7°49 | T 24 |
| W25 | 20 33 56 | 7°13'32 | 29°55 | 0♎22 | 21°31 | 4° 3 | 13°33 | 3°31 | 10°30 | 20°48 | 18°39 | 4°59 | 4°50 | 29°57 | 7°52 | W25 |
| T 26 | 20 37 52 | 8°11'10 | 13♉42 | 2°24 | 22°44 | 4°36 | 13°32 | 3°28 | 10°32 | 20°50 | 18°39 | 4°D59 | 4°47 | 0♑ 4 | 7°55 | T 26 |
| F 27 | 20 41 49 | 9° 8'49 | 27°48 | 4°27 | 23°58 | 5°10 | 13°30 | 3°24 | 10°35 | 20°52 | 18°39 | 4°59 | 4°44 | 0°10 | 7°58 | F 27 |
| S 28 | 20 45 45 | 10° 6'30 | 12♊11 | 6°29 | 25°12 | 5°43 | 13°28 | 3°21 | 10°37 | 20°54 | 18°38 | 5° 0 | 4°41 | 0°17 | 8° 1 | S 28 |
| S 29 | 20 49 42 | 11° 4'12 | 26°49 | 8°31 | 26°26 | 6°15 | 13°27 | 3°18 | 10°39 | 20°56 | 18°38 | 5° 0 | 4°38 | 0°24 | 8° 4 | S 29 |
| M30 | 20 53 39 | 12° 1'57 | 11♋37 | 10°32 | 27°39 | 6°48 | 13°26 | 3°15 | 10°41 | 20°59 | 18°38 | 5° 1 | 4°34 | 0°30 | 8° 7 | M30 |
| T 31 | 20 57 35 | 12♎59'42 | 26♋28 | 12♎33 | 28♋53 | 7♉20 | 13♐25 | 3♑12 | 10♊43 | 21♎ 1 | 18♈37 | 5♎ 1 | 4♎31 | 0♑37 | 8♊10 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n47 | 19n 8 | 3s52 | 20n 8 | 3s20 | 22n50 | 0s30 | 5n31 | 2s20 | 22s25 | 0n18 | 22s59 | 0n29 | 21n57 | 0s 1 | 15n27 | 0n35 | 8s21 | 16s58 | 19n 5 | 18n50 | 20s18 | 18n 4 | 3s28 |
| M 2 | 22 41 | 20 43 | 2 49 | 20 22 | 3 7 | 22 56 | 0 27 | 5 46 | 2 20 | 22 24 | 0 18 | 22 59 | 0 29 | 21 57 | 0 1 | 15 27 | 0 35 | 8 21 | 16 58 | 19 6 | 18 51 | 20 18 | 18 4 | 3 28 |
| T 3 | 22 34 | 20 48 | 1 33 | 20 37 | 2 54 | 23 2 | 0 24 | 6 0 | 2 20 | 22 24 | 0 18 | 22 59 | 0 28 | 21 58 | 0 1 | 15 26 | 0 35 | 8 21 | 16 58 | 19 6 | 18 52 | 20 19 | 18 5 | 3 28 |
| W 4 | 22 27 | 19 24 | 0 11 | 20 52 | 2 40 | 23 7 | 0 22 | 6 14 | 2 20 | 22 24 | 0 18 | 22 59 | 0 28 | 21 58 | 0 1 | 15 25 | 0 35 | 8 21 | 16 59 | 19 6 | 18 52 | 20 20 | 18 5 | 3 29 |
| T 5 | 22 20 | 16 43 | 1n 9 | 21 7 | 2 26 | 23 12 | 0 19 | 6 28 | 2 20 | 22 23 | 0 18 | 23 0 | 0 28 | 21 59 | 0 1 | 15 25 | 0 35 | 8 22 | 16 59 | 19 6 | 18 53 | 20 21 | 18 6 | 3 29 |
| F 6 | 22 12 | 13 3 | 2 24 | 21 21 | 2 12 | 23 16 | 0 17 | 6 42 | 2 20 | 22 23 | 0 18 | 23 0 | 0 28 | 21 59 | 0 1 | 15 24 | 0 35 | 8 22 | 16 59 | 19 6 | 18 54 | 20 22 | 18 6 | 3 29 |
| S 7 | 22 3 | 8 46 | 3 27 | 21 36 | 1 57 | 23 19 | 0 14 | 6 56 | 2 21 | 22 22 | 0 17 | 23 0 | 0 28 | 22 0 | 0 1 | 15 23 | 0 35 | 8 22 | 17 0 | 19 6 | 18 55 | 20 23 | 18 7 | 3 29 |
| S 8 | 21 55 | 4 11 | 4 17 | 21 50 | 1 42 | 23 22 | 0 11 | 7 9 | 2 21 | 22 22 | 0 17 | 23 0 | 0 28 | 22 0 | 0 1 | 15 23 | 0 35 | 8 22 | 17 0 | 19 5 | 18 56 | 20 23 | 18 7 | 3 30 |
| M 9 | 21 46 | 0s27 | 4 52 | 22 4 | 1 28 | 23 24 | 0 9 | 7 23 | 2 21 | 22 22 | 0 17 | 23 1 | 0 28 | 22 0 | 0 1 | 15 22 | 0 35 | 8 23 | 17 0 | 19 5 | 18 56 | 20 24 | 18 7 | 3 30 |
| T 10 | 21 36 | 4 55 | 5 12 | 22 17 | 1 13 | 23 25 | 0 6 | 7 37 | 2 21 | 22 21 | 0 17 | 23 1 | 0 28 | 22 1 | 0 1 | 15 22 | 0 35 | 8 23 | 17 1 | 19 5 | 18 57 | 20 25 | 18 8 | 3 30 |
| W11 | 21 27 | 9 5 | 5 17 | 22 28 | 0 59 | 23 25 | 0 4 | 7 50 | 2 21 | 22 21 | 0 17 | 23 1 | 0 28 | 22 1 | 0 1 | 15 21 | 0 35 | 8 23 | 17 1 | 19 5 | 18 58 | 20 26 | 18 8 | 3 30 |
| T 12 | 21 16 | 12 48 | 5 7 | 22 39 | 0 45 | 23 25 | 0 1 | 8 3 | 2 21 | 22 21 | 0 17 | 23 1 | 0 28 | 22 2 | 0 1 | 15 20 | 0 35 | 8 24 | 17 1 | 19 5 | 18 59 | 20 26 | 18 8 | 3 31 |
| F 13 | 21 6 | 15 57 | 4 44 | 22 48 | 0 31 | 23 24 | 0n 2 | 8 16 | 2 21 | 22 20 | 0 16 | 23 2 | 0 27 | 22 2 | 0 1 | 15 20 | 0 35 | 8 24 | 17 2 | 19 6 | 18 59 | 20 27 | 18 9 | 3 31 |
| S 14 | 20 55 | 18 25 | 4 8 | 22 55 | 0 17 | 23 23 | 0 4 | 8 29 | 2 21 | 22 20 | 0 16 | 23 2 | 0 27 | 22 3 | 0 1 | 15 19 | 0 35 | 8 24 | 17 2 | 19 6 | 19 0 | 20 28 | 18 9 | 3 31 |
| S 15 | 20 44 | 20 5 | 3 23 | 23 0 | 0 4 | 23 20 | 0 7 | 8 42 | 2 21 | 22 20 | 0 16 | 23 2 | 0 27 | 22 3 | 0 1 | 15 18 | 0 35 | 8 25 | 17 2 | 19 6 | 19 1 | 20 29 | 18 9 | 3 31 |
| M16 | 20 32 | 20 53 | 2 28 | 23 3 | 0n 8 | 23 17 | 0 9 | 8 55 | 2 21 | 22 19 | 0 16 | 23 2 | 0 27 | 22 3 | 0 1 | 15 18 | 0 36 | 8 25 | 17 3 | 19 7 | 19 2 | 20 30 | 18 10 | 3 32 |
| T 17 | 20 20 | 20 45 | 1 27 | 23 4 | 0 20 | 23 14 | 0 12 | 9 7 | 2 21 | 22 19 | 0 16 | 23 3 | 0 27 | 22 4 | 0 1 | 15 17 | 0 36 | 8 25 | 17 3 | 19 7 | 19 3 | 20 30 | 18 10 | 3 32 |
| W18 | 20 8 | 19 40 | 0 22 | 23 2 | 0 31 | 23 9 | 0 14 | 9 20 | 2 21 | 22 19 | 0 16 | 23 3 | 0 27 | 22 4 | 0 1 | 15 16 | 0 36 | 8 26 | 17 3 | 19 7 | 19 3 | 20 31 | 18 10 | 3 32 |
| T 19 | 19 56 | 17 41 | 0s45 | 22 58 | 0 42 | 23 4 | 0 17 | 9 32 | 2 21 | 22 19 | 0 15 | 23 3 | 0 27 | 22 4 | 0 1 | 15 16 | 0 36 | 8 26 | 17 4 | 19 7 | 19 4 | 20 32 | 18 11 | 3 33 |
| F 20 | 19 43 | 14 52 | 1 51 | 22 51 | 0 52 | 22 59 | 0 19 | 9 44 | 2 21 | 22 19 | 0 15 | 23 3 | 0 27 | 22 5 | 0 1 | 15 15 | 0 36 | 8 26 | 17 4 | 19 7 | 19 5 | 20 33 | 18 11 | 3 33 |
| S 21 | 19 29 | 11 21 | 2 52 | 22 42 | 1 1 | 22 52 | 0 22 | 9 56 | 2 21 | 22 18 | 0 15 | 23 3 | 0 27 | 22 5 | 0 1 | 15 14 | 0 36 | 8 27 | 17 4 | 19 7 | 19 6 | 20 33 | 18 11 | 3 33 |
| S 22 | 19 16 | 7 17 | 3 47 | 22 29 | 1 9 | 22 45 | 0 24 | 10 8 | 2 21 | 22 18 | 0 15 | 23 4 | 0 26 | 22 6 | 0 1 | 15 14 | 0 36 | 8 27 | 17 5 | 19 7 | 19 6 | 20 34 | 18 11 | 3 34 |
| M23 | 19 2 | 2 49 | 4 30 | 22 14 | 1 16 | 22 38 | 0 26 | 10 20 | 2 21 | 22 18 | 0 15 | 23 4 | 0 26 | 22 6 | 0 1 | 15 13 | 0 36 | 8 27 | 17 5 | 19 7 | 19 7 | 20 35 | 18 11 | 3 34 |
| T 24 | 18 48 | 1n52 | 5 1 | 21 57 | 1 23 | 22 29 | 0 29 | 10 32 | 2 21 | 22 18 | 0 14 | 23 4 | 0 26 | 22 6 | 0 1 | 15 12 | 0 36 | 8 28 | 17 5 | 19 7 | 19 8 | 20 36 | 18 12 | 3 34 |
| W25 | 18 33 | 6 34 | 5 16 | 21 37 | 1 29 | 22 20 | 0 31 | 10 43 | 2 21 | 22 18 | 0 14 | 23 4 | 0 26 | 22 7 | 0 1 | 15 12 | 0 36 | 8 28 | 17 6 | 19 7 | 19 9 | 20 36 | 18 12 | 3 34 |
| T 26 | 18 18 | 11 2 | 5 14 | 21 14 | 1 34 | 22 10 | 0 33 | 10 55 | 2 20 | 22 18 | 0 14 | 23 4 | 0 26 | 22 7 | 0 1 | 15 11 | 0 36 | 8 29 | 17 6 | 19 7 | 19 10 | 20 37 | 18 12 | 3 35 |
| F 27 | 18 3 | 15 0 | 4 53 | 20 49 | 1 38 | 22 0 | 0 36 | 11 6 | 2 20 | 22 18 | 0 14 | 23 5 | 0 26 | 22 7 | 0 1 | 15 10 | 0 36 | 8 29 | 17 6 | 19 7 | 19 10 | 20 38 | 18 12 | 3 35 |
| S 28 | 17 48 | 18 11 | 4 13 | 20 22 | 1 41 | 21 49 | 0 38 | 11 17 | 2 20 | 22 18 | 0 14 | 23 5 | 0 26 | 22 8 | 0 1 | 15 9 | 0 36 | 8 29 | 17 7 | 19 6 | 19 11 | 20 38 | 18 12 | 3 35 |
| S 29 | 17 32 | 20 14 | 3 17 | 19 53 | 1 43 | 21 37 | 0 40 | 11 28 | 2 20 | 22 18 | 0 14 | 23 5 | 0 26 | 22 8 | 0 1 | 15 9 | 0 36 | 8 30 | 17 7 | 19 6 | 19 12 | 20 39 | 18 13 | 3 36 |
| M30 | 17 16 | 20 57 | 2 6 | 19 22 | 1 45 | 21 25 | 0 42 | 11 39 | 2 20 | 22 18 | 0 13 | 23 5 | 0 26 | 22 8 | 0 1 | 15 8 | 0 36 | 8 30 | 17 7 | 19 6 | 19 13 | 20 40 | 18 13 | 3 36 |
| T 31 | 17n 0 | 20n11 | 0s47 | 18n49 | 1n46 | 21n12 | 0n44 | 11n50 | 2s19 | 22s18 | 0n13 | 23s 5 | 0n25 | 22n 9 | 0s 1 | 15n 7 | 0n36 | 8s31 | 17s 8 | 19n 6 | 19n13 | 20s41 | 18n13 | 3s36 |

Julian Day Number = 2125205.5, Delta T = 17m22s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'02, Lahiri = 11°24'03 Julian Calendar 1 July 1106 == Greg. Calendar 8 July 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## AUGUST 1106 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 1 32 | 13♌57'30 | 11♌16 | 14♌33 | 0♌ 7 | 7♉52 | 13°R24 | 3°R10 | 10♊45 | 21♌ 3 | 18°R37 | 5°R 1 | 4♌28 | 0♋44 | 8♊13 | W 1 |
| T 2 | 21 5 28 | 14°55'18 | 25°52 | 16°32 | 1°21 | 8°23 | 13♐24 | 3♋ 7 | 10°47 | 21° 5 | 18♈37 | 5♌ 1 | 4°25 | 0°50 | 8°16 | T 2 |
| F 3 | 21 9 25 | 15°53'08 | 10♍10 | 18°29 | 2°35 | 8°54 | 13°24 | 3° 4 | 10°49 | 21° 8 | 18°36 | 5° 0 | 4°22 | 0°57 | 8°18 | F 3 |
| S 4 | 21 13 21 | 16°51'00 | 24° 7 | 20°26 | 3°49 | 9°25 | 13°D23 | 3° 2 | 10°51 | 21°10 | 18°36 | 4°58 | 4°19 | 1° 4 | 8°21 | S 4 |
| S 5 | 21 17 18 | 17°48'52 | 7♎39 | 22°21 | 5° 3 | 9°55 | 13°23 | 2°59 | 10°53 | 21°12 | 18°35 | 4°57 | 4°15 | 1°10 | 8°24 | S 5 |
| M 6 | 21 21 14 | 18°46'46 | 20°46 | 24°15 | 6°17 | 10°26 | 13°24 | 2°57 | 10°55 | 21°14 | 18°35 | 4°55 | 4°12 | 1°17 | 8°26 | M 6 |
| T 7 | 21 25 11 | 19°44'42 | 3♏31 | 26° 8 | 7°31 | 10°55 | 13°24 | 2°54 | 10°56 | 21°16 | 18°34 | 4°54 | 4° 9 | 1°24 | 8°28 | T 7 |
| W 8 | 21 29 8 | 20°42'38 | 15°55 | 28° 0 | 8°45 | 11°25 | 13°25 | 2°52 | 10°58 | 21°19 | 18°34 | 4°D53 | 4° 6 | 1°30 | 8°31 | W 8 |
| T 9 | 21 33 4 | 21°40'36 | 28° 4 | 29°50 | 9°59 | 11°54 | 13°26 | 2°50 | 11° 0 | 21°21 | 18°33 | 4°54 | 4° 3 | 1°37 | 8°33 | T 9 |
| F 10 | 21 37 1 | 22°38'36 | 10♐ 2 | 1♍39 | 11°13 | 12°23 | 13°27 | 2°48 | 11° 1 | 21°23 | 18°33 | 4°54 | 3°59 | 1°44 | 8°35 | F 10 |
| S 11 | 21 40 57 | 23°36'37 | 21°53 | 3°27 | 12°27 | 12°51 | 13°28 | 2°46 | 11° 3 | 21°25 | 18°32 | 4°56 | 3°56 | 1°50 | 8°37 | S 11 |
| S 12 | 21 44 54 | 24°34'39 | 3♋43 | 5°13 | 13°42 | 13°19 | 13°29 | 2°44 | 11° 5 | 21°28 | 18°32 | 4°57 | 3°53 | 1°57 | 8°40 | S 12 |
| M13 | 21 48 50 | 25°32'43 | 15°35 | 6°59 | 14°56 | 13°47 | 13°31 | 2°42 | 11° 6 | 21°30 | 18°31 | 4°59 | 3°50 | 2° 4 | 8°42 | M13 |
| T 14 | 21 52 47 | 26°30'48 | 27°33 | 8°43 | 16°10 | 14°14 | 13°32 | 2°40 | 11° 8 | 21°32 | 18°30 | 5° 0 | 3°47 | 2°10 | 8°44 | T 14 |
| W15 | 21 56 43 | 27°28'55 | 9♒39 | 10°25 | 17°24 | 14°41 | 13°34 | 2°39 | 11° 9 | 21°34 | 18°30 | 5°R 0 | 3°44 | 2°17 | 8°46 | W15 |
| T 16 | 22 0 40 | 28°27'04 | 21°58 | 12° 7 | 18°39 | 15° 7 | 13°36 | 2°37 | 11°10 | 21°36 | 18°29 | 4°59 | 3°40 | 2°24 | 8°47 | T 16 |
| F 17 | 22 4 37 | 29°25'14 | 4♓29 | 13°47 | 19°53 | 15°33 | 13°39 | 2°36 | 11°12 | 21°39 | 18°28 | 4°57 | 3°37 | 2°30 | 8°49 | F 17 |
| S 18 | 22 8 33 | 0♍23'26 | 17°14 | 15°26 | 21° 7 | 15°59 | 13°41 | 2°34 | 11°13 | 21°41 | 18°28 | 4°53 | 3°34 | 2°37 | 8°51 | S 18 |
| S 19 | 22 12 30 | 1°21'40 | 0♈13 | 17° 4 | 22°22 | 16°24 | 13°44 | 2°33 | 11°14 | 21°43 | 18°27 | 4°49 | 3°31 | 2°44 | 8°53 | S 19 |
| M20 | 22 16 26 | 2°19'56 | 13°25 | 18°41 | 23°36 | 16°49 | 13°47 | 2°32 | 11°15 | 21°45 | 18°26 | 4°45 | 3°28 | 2°50 | 8°54 | M20 |
| T 21 | 22 20 23 | 3°18'14 | 26°51 | 20°16 | 24°51 | 17°13 | 13°50 | 2°31 | 11°16 | 21°47 | 18°25 | 4°41 | 3°25 | 2°57 | 8°56 | T 21 |
| W22 | 22 24 19 | 4°16'34 | 10♉30 | 21°51 | 26° 5 | 17°37 | 13°53 | 2°30 | 11°17 | 21°50 | 18°25 | 4°38 | 3°21 | 3° 4 | 8°57 | W22 |
| T 23 | 22 28 16 | 5°14'56 | 24°20 | 23°24 | 27°20 | 18° 0 | 13°56 | 2°29 | 11°18 | 21°52 | 18°24 | 4°36 | 3°18 | 3°10 | 8°58 | T 23 |
| F 24 | 22 32 12 | 6°13'21 | 8♊20 | 24°57 | 28°34 | 18°23 | 14° 0 | 2°28 | 11°19 | 21°54 | 18°23 | 4°D36 | 3°15 | 3°17 | 9° 0 | F 24 |
| S 25 | 22 36 9 | 7°11'48 | 22°31 | 26°28 | 29°49 | 18°46 | 14° 3 | 2°28 | 11°20 | 21°56 | 18°22 | 4°37 | 3°12 | 3°24 | 9° 1 | S 25 |
| S 26 | 22 40 6 | 8°10'17 | 6♋49 | 27°58 | 1♍ 3 | 19° 7 | 14° 7 | 2°27 | 11°21 | 21°58 | 18°21 | 4°38 | 3° 9 | 3°30 | 9° 2 | S 26 |
| M27 | 22 44 2 | 9° 8'48 | 21°13 | 29°26 | 2°18 | 19°29 | 14°11 | 2°26 | 11°22 | 22° 0 | 18°21 | 4°39 | 3° 5 | 3°37 | 9° 3 | M27 |
| T 28 | 22 47 59 | 10° 7'21 | 5♌39 | 0♎54 | 3°33 | 19°49 | 14°16 | 2°26 | 11°23 | 22° 3 | 18°20 | 4°R40 | 3° 2 | 3°44 | 9° 4 | T 28 |
| W29 | 22 51 55 | 11° 5'57 | 20° 2 | 2°21 | 4°47 | 20°10 | 14°20 | 2°26 | 11°23 | 22° 5 | 18°19 | 4°39 | 2°59 | 3°50 | 9° 5 | W29 |
| T 30 | 22 55 52 | 12° 4'34 | 4♍19 | 3°46 | 6° 2 | 20°29 | 14°25 | 2°26 | 11°24 | 22° 7 | 18°18 | 4°36 | 2°56 | 3°57 | 9° 6 | T 30 |
| F 31 | 22 59 48 | 13♍ 3'14 | 18♍24 | 5♎10 | 7♍17 | 20♉48 | 14♐29 | 2♋25 | 11♊25 | 22♌ 9 | 18♈17 | 4♌32 | 2♌53 | 4♋ 4 | 9♊ 7 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16n43 | 18n 2 | 0n35 | 18n14 | 1n46 | 20n59 | 0n46 | 12n 0 | 2s19 | 22s18 | 0n13 | 23s 6 | 0n25 | 22n 9 | 0s 1 | 15n 7 | 0n36 | 8s31 | 17s 8 | 19n 6 | 19n14 | 20s41 | 18n13 | 3s37 | |
| T 2 | 16 26 | 14 44 | 1 53 | 17 39 | 1 46 | 20 44 | 0 48 | 12 10 | 2 19 | 22 18 | 0 13 | 23 6 | 0 25 | 22 9 | 0 1 | 15 6 | 0 36 | 8 31 | 17 8 | 19 6 | 19 15 | 20 42 | 18 13 | 3 37 | |
| F 3 | 16 9 | 10 36 | 3 3 | 17 1 | 1 45 | 20 30 | 0 50 | 12 21 | 2 19 | 22 18 | 0 13 | 23 6 | 0 25 | 22 9 | 0 1 | 15 5 | 0 36 | 8 32 | 17 8 | 19 6 | 19 16 | 20 43 | 18 13 | 3 37 | |
| S 4 | 15 52 | 6 1 | 4 0 | 16 23 | 1 43 | 20 14 | 0 52 | 12 31 | 2 18 | 22 18 | 0 13 | 23 6 | 0 25 | 22 10 | 0 1 | 15 5 | 0 36 | 8 32 | 17 9 | 19 7 | 19 16 | 20 43 | 18 13 | 3 38 | |
| S 5 | 15 34 | 1 16 | 4 41 | 15 43 | 1 41 | 19 58 | 0 54 | 12 41 | 2 18 | 22 19 | 0 12 | 23 6 | 0 25 | 22 10 | 0 1 | 15 4 | 0 36 | 8 33 | 17 9 | 19 7 | 19 17 | 20 44 | 18 13 | 3 38 | |
| M 6 | 15 16 | 3s24 | 5 7 | 15 3 | 1 39 | 19 42 | 0 56 | 12 50 | 2 18 | 22 19 | 0 12 | 23 6 | 0 25 | 22 10 | 0 1 | 15 3 | 0 36 | 8 33 | 17 9 | 19 8 | 19 18 | 20 45 | 18 13 | 3 38 | |
| T 7 | 14 58 | 7 47 | 5 16 | 14 22 | 1 36 | 19 25 | 0 58 | 13 0 | 2 17 | 22 19 | 0 12 | 23 7 | 0 25 | 22 10 | 0 1 | 15 2 | 0 36 | 8 34 | 17 10 | 19 8 | 19 19 | 20 45 | 18 13 | 3 39 | |
| W 8 | 14 39 | 11 43 | 5 11 | 13 40 | 1 32 | 19 7 | 1 0 | 13 10 | 2 17 | 22 19 | 0 12 | 23 7 | 0 25 | 22 11 | 0 1 | 15 2 | 0 36 | 8 34 | 17 10 | 19 8 | 19 19 | 20 46 | 18 13 | 3 39 | |
| T 9 | 14 21 | 15 6 | 4 51 | 12 57 | 1 28 | 18 49 | 1 1 | 13 19 | 2 16 | 22 20 | 0 12 | 23 7 | 0 24 | 22 11 | 0 1 | 15 1 | 0 36 | 8 35 | 17 10 | 19 8 | 19 20 | 20 47 | 18 13 | 3 39 | |
| F 10 | 14 2 | 17 47 | 4 19 | 12 14 | 1 24 | 18 30 | 1 3 | 13 28 | 2 16 | 22 20 | 0 12 | 23 7 | 0 24 | 22 11 | 0 1 | 15 0 | 0 36 | 8 35 | 17 11 | 19 8 | 19 21 | 20 47 | 18 13 | 3 40 | |
| S 11 | 13 43 | 19 42 | 3 36 | 11 31 | 1 19 | 18 11 | 1 5 | 13 37 | 2 16 | 22 20 | 0 11 | 23 7 | 0 24 | 22 11 | 0 1 | 15 0 | 0 36 | 8 36 | 17 11 | 19 8 | 19 22 | 20 48 | 18 13 | 3 40 | |
| S 12 | 13 24 | 20 46 | 2 44 | 10 47 | 1 14 | 17 51 | 1 6 | 13 46 | 2 15 | 22 20 | 0 11 | 23 7 | 0 24 | 22 12 | 0 1 | 14 59 | 0 36 | 8 36 | 17 11 | 19 7 | 19 22 | 20 49 | 18 13 | 3 41 | |
| M13 | 13 4 | 20 54 | 1 45 | 10 3 | 1 8 | 17 31 | 1 8 | 13 55 | 2 15 | 22 21 | 0 11 | 23 8 | 0 24 | 22 12 | 0 1 | 14 58 | 0 36 | 8 37 | 17 11 | 19 7 | 19 23 | 20 49 | 18 13 | 3 41 | |
| T 14 | 12 44 | 20 5 | 0 41 | 9 19 | 1 3 | 17 10 | 1 9 | 14 3 | 2 14 | 22 21 | 0 11 | 23 8 | 0 24 | 22 12 | 0 1 | 14 57 | 0 36 | 8 37 | 17 12 | 19 7 | 19 24 | 20 50 | 18 13 | 3 41 | |
| W15 | 12 24 | 18 20 | 0s26 | 8 34 | 0 57 | 16 48 | 1 10 | 14 12 | 2 14 | 22 22 | 0 11 | 23 8 | 0 24 | 22 12 | 0 1 | 14 57 | 0 36 | 8 38 | 17 12 | 19 7 | 19 25 | 20 51 | 18 13 | 3 42 | |
| T 16 | 12 4 | 15 42 | 1 32 | 7 50 | 0 51 | 16 27 | 1 12 | 14 20 | 2 13 | 22 22 | 0 11 | 23 8 | 0 24 | 22 13 | 0 1 | 14 56 | 0 36 | 8 38 | 17 12 | 19 7 | 19 25 | 20 51 | 18 13 | 3 42 | |
| F 17 | 11 44 | 12 19 | 2 35 | 7 5 | 0 44 | 16 4 | 1 13 | 14 28 | 2 12 | 22 22 | 0 10 | 23 8 | 0 23 | 22 13 | 0 1 | 14 55 | 0 36 | 8 38 | 17 12 | 19 7 | 19 26 | 20 52 | 18 13 | 3 42 | |
| S 18 | 11 23 | 8 19 | 3 32 | 6 21 | 0 38 | 15 42 | 1 14 | 14 36 | 2 12 | 22 23 | 0 10 | 23 8 | 0 23 | 22 13 | 0 1 | 14 55 | 0 36 | 8 39 | 17 13 | 19 8 | 19 27 | 20 53 | 18 13 | 3 43 | |
| S 19 | 11 3 | 3 52 | 4 18 | 5 36 | 0 31 | 15 19 | 1 15 | 14 44 | 2 11 | 22 23 | 0 10 | 23 8 | 0 23 | 22 13 | 0 1 | 14 54 | 0 36 | 8 39 | 17 13 | 19 9 | 19 28 | 20 53 | 18 13 | 3 43 | |
| M20 | 10 42 | 0n51 | 4 52 | 4 52 | 0 24 | 14 55 | 1 16 | 14 51 | 2 11 | 22 24 | 0 10 | 23 9 | 0 23 | 22 13 | 0 1 | 14 53 | 0 36 | 8 40 | 17 13 | 19 10 | 19 28 | 20 54 | 18 13 | 3 43 | |
| T 21 | 10 21 | 5 35 | 5 10 | 4 7 | 0 16 | 14 31 | 1 17 | 14 59 | 2 10 | 22 24 | 0 10 | 23 9 | 0 23 | 22 13 | 0 1 | 14 53 | 0 36 | 8 40 | 17 14 | 19 11 | 19 29 | 20 54 | 18 12 | 3 44 | |
| W22 | 9 59 | 10 6 | 5 11 | 3 23 | 0 9 | 14 7 | 1 18 | 15 6 | 2 9 | 22 25 | 0 10 | 23 9 | 0 23 | 22 14 | 0 1 | 14 52 | 0 36 | 8 41 | 17 14 | 19 12 | 19 30 | 20 55 | 18 12 | 3 44 | |
| T 23 | 9 38 | 14 11 | 4 55 | 2 39 | 0 2 | 13 42 | 1 19 | 15 13 | 2 8 | 22 25 | 0 10 | 23 9 | 0 23 | 22 14 | 0 1 | 14 51 | 0 36 | 8 41 | 17 14 | 19 12 | 19 31 | 20 56 | 18 12 | 3 45 | |
| F 24 | 9 16 | 17 31 | 4 21 | 1 56 | 0s 6 | 13 17 | 1 20 | 15 20 | 2 8 | 22 26 | 0 9 | 23 9 | 0 23 | 22 14 | 0 1 | 14 50 | 0 36 | 8 42 | 17 14 | 19 12 | 19 31 | 20 56 | 18 12 | 3 45 | |
| S 25 | 8 55 | 19 51 | 3 30 | 1 13 | 0 13 | 12 51 | 1 21 | 15 27 | 2 7 | 22 27 | 0 9 | 23 9 | 0 23 | 22 14 | 0 1 | 14 50 | 0 36 | 8 43 | 17 14 | 19 12 | 19 32 | 20 57 | 18 12 | 3 45 | |
| S 26 | 8 33 | 20 57 | 2 26 | 0 30 | 0 21 | 12 25 | 1 22 | 15 34 | 2 6 | 22 27 | 0 9 | 23 9 | 0 22 | 22 14 | 0 1 | 14 49 | 0 36 | 8 43 | 17 15 | 19 12 | 19 33 | 20 57 | 18 12 | 3 46 | |
| M27 | 8 11 | 20 40 | 1 13 | 0s13 | 0 29 | 11 59 | 1 22 | 15 40 | 2 5 | 22 28 | 0 9 | 23 10 | 0 22 | 22 14 | 0 1 | 14 48 | 0 36 | 8 44 | 17 15 | 19 11 | 19 34 | 20 58 | 18 11 | 3 46 | |
| T 28 | 7 49 | 19 2 | 0n 5 | 0 55 | 0 37 | 11 32 | 1 23 | 15 47 | 2 4 | 22 28 | 0 9 | 23 10 | 0 22 | 22 14 | 0 1 | 14 48 | 0 36 | 8 44 | 17 15 | 19 11 | 19 34 | 20 59 | 18 11 | 3 46 | |
| W29 | 7 26 | 16 11 | 1 23 | 1 37 | 0 45 | 11 6 | 1 23 | 15 53 | 2 3 | 22 29 | 0 9 | 23 10 | 0 22 | 22 14 | 0 1 | 14 47 | 0 36 | 8 45 | 17 15 | 19 12 | 19 35 | 20 59 | 18 11 | 3 47 | |
| T 30 | 7 4 | 12 22 | 2 34 | 2 18 | 0 52 | 10 38 | 1 24 | 15 59 | 2 3 | 22 30 | 0 9 | 23 10 | 0 22 | 22 15 | 0 1 | 14 46 | 0 36 | 8 45 | 17 16 | 19 12 | 19 36 | 21 0 | 18 11 | 3 47 | |
| F 31 | 6n41 | 7n55 | 3n35 | 2s59 | 1s 0 | 10n11 | 1n24 | 16n 5 | 2s 2 | 22s31 | 0n 8 | 23s10 | 0n22 | 22n15 | 0s 1 | 14n46 | 0n36 | 8s46 | 17s16 | 19n13 | 19n37 | 21s 0 | 18n10 | 3s48 | |

Julian Day Number = 2125236.5, Delta T = 17m21s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'07, Lahiri = 11°24'07 Julian Calendar 1 Aug. 1106 == Greg. Calendar 8 Aug. 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## SEPTEMBER 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 3 45 | 14♍ 1'55 | 2♎11 | 6♎33 | 8♍32 | 21♉ 7 | 14♐34 | 2°D25 | 11♊25 | 22♌11 | 18°R16 | 4°R26 | 2♌50 | 4♑10 | 9♊ 8 | S 1 |
| S 2 | 23 7 41 | 15° 0'39 | 15°39 | 7°55 | 9°46 | 21°25 | 14°40 | 2♑25 | 11°26 | 22°13 | 18♈15 | 4♌19 | 2°46 | 4°17 | 9° 8 | S 2 |
| M 3 | 23 11 38 | 15°59'24 | 28°46 | 9°16 | 11° 1 | 21°42 | 14°45 | 2°26 | 11°26 | 22°15 | 18°14 | 4°12 | 2°43 | 4°24 | 9° 9 | M 3 |
| T 4 | 23 15 35 | 16°58'11 | 11♏31 | 10°35 | 12°16 | 21°58 | 14°50 | 2°26 | 11°27 | 22°17 | 18°13 | 4° 6 | 2°40 | 4°30 | 9° 9 | T 4 |
| W 5 | 23 19 31 | 17°57'00 | 23°56 | 11°53 | 13°31 | 22°14 | 14°56 | 2°26 | 11°27 | 22°19 | 18°13 | 4° 1 | 2°37 | 4°37 | 9°10 | W 5 |
| T 6 | 23 23 28 | 18°55'51 | 6♐ 6 | 13° 9 | 14°46 | 22°30 | 15° 2 | 2°27 | 11°27 | 22°21 | 18°12 | 3°59 | 2°34 | 4°44 | 9°10 | T 6 |
| F 7 | 23 27 24 | 19°54'43 | 18° 3 | 14°24 | 16° 0 | 22°44 | 15° 7 | 2°27 | 11°27 | 22°23 | 18°11 | 3°D58 | 2°31 | 4°50 | 9°10 | F 7 |
| S 8 | 23 31 21 | 20°53'38 | 29°54 | 15°38 | 17°15 | 22°59 | 15°13 | 2°28 | 11°28 | 22°26 | 18°10 | 3°58 | 2°27 | 4°57 | 9°11 | S 8 |
| S 9 | 23 35 17 | 21°52'34 | 11♑44 | 16°49 | 18°30 | 23°12 | 15°20 | 2°29 | 11°28 | 22°28 | 18° 9 | 3°59 | 2°24 | 5° 4 | 9°11 | S 9 |
| M10 | 23 39 14 | 22°51'32 | 23°37 | 17°59 | 19°45 | 23°25 | 15°26 | 2°30 | 11°28 | 22°30 | 18° 8 | 4° 1 | 2°21 | 5°10 | 9°R11 | M10 |
| T 11 | 23 43 10 | 23°50'31 | 5♒38 | 19° 7 | 21° 0 | 23°36 | 15°33 | 2°31 | 11°R28 | 22°31 | 18° 7 | 4°R 1 | 2°18 | 5°17 | 9°11 | T 11 |
| W12 | 23 47 7 | 24°49'33 | 17°52 | 20°13 | 22°15 | 23°48 | 15°39 | 2°32 | 11°28 | 22°33 | 18° 6 | 4° 0 | 2°15 | 5°24 | 9°11 | W12 |
| T 13 | 23 51 3 | 25°48'37 | 0♓21 | 21°17 | 23°30 | 23°58 | 15°46 | 2°33 | 11°28 | 22°35 | 18° 5 | 3°57 | 2°11 | 5°30 | 9°10 | T 13 |
| F 14 | 23 55 0 | 26°47'42 | 13° 9 | 22°19 | 24°45 | 24° 8 | 15°53 | 2°34 | 11°28 | 22°37 | 18° 3 | 3°51 | 2° 8 | 5°37 | 9°10 | F 14 |
| S 15 | 23 58 57 | 27°46'49 | 26°14 | 23°18 | 26° 0 | 24°17 | 16° 0 | 2°36 | 11°27 | 22°39 | 18° 2 | 3°44 | 2° 5 | 5°44 | 9°10 | S 15 |
| S 16 | 0 2 53 | 28°45'59 | 9♈38 | 24°14 | 27°15 | 24°25 | 16° 8 | 2°37 | 11°27 | 22°41 | 18° 1 | 3°35 | 2° 2 | 5°50 | 9°10 | S 16 |
| M17 | 0 6 50 | 29°45'11 | 23°16 | 25° 7 | 28°30 | 24°33 | 16°15 | 2°39 | 11°27 | 22°43 | 18° 0 | 3°25 | 1°59 | 5°57 | 9° 9 | M17 |
| T 18 | 0 10 46 | 0♎44'24 | 7♉ 7 | 25°57 | 29°45 | 24°39 | 16°22 | 2°40 | 11°27 | 22°45 | 17°59 | 3°16 | 1°56 | 6° 4 | 9° 9 | T 18 |
| W19 | 0 14 43 | 1°43'41 | 21° 7 | 26°43 | 1♎ 0 | 24°45 | 16°30 | 2°42 | 11°26 | 22°47 | 17°58 | 3° 8 | 1°52 | 6°10 | 9° 8 | W19 |
| T 20 | 0 18 39 | 2°42'59 | 5♊11 | 27°26 | 2°15 | 24°50 | 16°38 | 2°44 | 11°26 | 22°48 | 17°57 | 3° 3 | 1°49 | 6°17 | 9° 7 | T 20 |
| F 21 | 0 22 36 | 3°42'20 | 19°18 | 28° 4 | 3°30 | 24°55 | 16°46 | 2°46 | 11°25 | 22°50 | 17°56 | 3° 0 | 1°46 | 6°24 | 9° 7 | F 21 |
| S 22 | 0 26 32 | 4°41'44 | 3♋26 | 28°37 | 4°45 | 24°58 | 16°54 | 2°48 | 11°25 | 22°52 | 17°55 | 2°D59 | 1°43 | 6°30 | 9° 6 | S 22 |
| S 23 | 0 30 29 | 5°41'10 | 17°33 | 29° 6 | 6° 0 | 25° 1 | 17° 2 | 2°50 | 11°24 | 22°54 | 17°54 | 2°59 | 1°40 | 6°37 | 9° 5 | S 23 |
| M24 | 0 34 26 | 6°40'38 | 1♌37 | 29°29 | 7°15 | 25° 2 | 17°11 | 2°52 | 11°23 | 22°56 | 17°53 | 3°R 0 | 1°36 | 6°43 | 9° 4 | M24 |
| T 25 | 0 38 22 | 7°40'08 | 15°39 | 29°45 | 8°30 | 25°R 3 | 17°19 | 2°55 | 11°23 | 22°57 | 17°52 | 2°59 | 1°33 | 6°50 | 9° 3 | T 25 |
| W26 | 0 42 19 | 8°39'41 | 29°37 | 29°56 | 9°46 | 25° 3 | 17°28 | 2°57 | 11°22 | 22°59 | 17°50 | 2°56 | 1°30 | 6°57 | 9° 2 | W26 |
| T 27 | 0 46 15 | 9°39'16 | 13♍27 | 29°R59 | 11° 1 | 25° 2 | 17°37 | 3° 0 | 11°21 | 23° 1 | 17°49 | 2°51 | 1°27 | 7° 3 | 9° 0 | T 27 |
| F 28 | 0 50 12 | 10°38'53 | 27° 9 | 29°54 | 12°16 | 25° 0 | 17°45 | 3° 2 | 11°20 | 23° 2 | 17°48 | 2°43 | 1°24 | 7°10 | 8°59 | F 28 |
| S 29 | 0 54 8 | 11°38'33 | 10♎38 | 29°41 | 13°31 | 24°57 | 17°54 | 3° 5 | 11°19 | 23° 4 | 17°47 | 2°32 | 1°21 | 7°17 | 8°58 | S 29 |
| S 30 | 0 58 5 | 12♎38'14 | 23♎51 | 29♎20 | 14♎46 | 24♉54 | 18♐ 4 | 3♑ 8 | 11♊18 | 23♌ 5 | 17♈46 | 2♌20 | 1♌17 | 7♑23 | 8♊56 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 6n19 | 3n 8 | 4n22 | 3s40 | 1s 8 | 9n43 | 1n25 | 16n11 | 2s 1 | 22s31 | 0n 8 | 23s10 | 0n22 | 22n15 | 0s 1 | 14n45 | 0n36 | 8s46 | 17s16 | 19n15 | 19n37 | 21s 1 | 18n10 | 3s48 | S 1 |
| S 2 | 5 56 | 1s41 | 4 53 | 4 19 | 1 16 | 9 15 | 1 25 | 16 17 | 2 0 | 22 32 | 0 8 | 23 10 | 0 22 | 22 15 | 0 1 | 14 44 | 0 36 | 8 47 | 17 16 | 19 16 | 19 38 | 21 2 | 18 10 | 3 48 | S 2 |
| M 3 | 5 33 | 6 17 | 5 8 | 4 58 | 1 24 | 8 47 | 1 25 | 16 22 | 1 59 | 22 33 | 0 8 | 23 10 | 0 21 | 22 15 | 0 1 | 14 44 | 0 36 | 8 47 | 17 16 | 19 18 | 19 39 | 21 2 | 18 10 | 3 49 | M 3 |
| T 4 | 5 10 | 10 29 | 5 7 | 5 37 | 1 32 | 8 18 | 1 25 | 16 27 | 1 57 | 22 33 | 0 8 | 23 11 | 0 21 | 22 15 | 0 1 | 14 43 | 0 36 | 8 48 | 17 16 | 19 19 | 19 39 | 21 3 | 18 9 | 3 49 | T 4 |
| W 5 | 4 47 | 14 8 | 4 51 | 6 15 | 1 39 | 7 49 | 1 25 | 16 33 | 1 56 | 22 34 | 0 8 | 23 11 | 0 21 | 22 15 | 0 1 | 14 42 | 0 36 | 8 48 | 17 17 | 19 20 | 19 40 | 21 3 | 18 9 | 3 50 | W 5 |
| T 6 | 4 24 | 17 7 | 4 23 | 6 52 | 1 47 | 7 20 | 1 25 | 16 38 | 1 55 | 22 35 | 0 8 | 23 11 | 0 21 | 22 15 | 0 1 | 14 42 | 0 36 | 8 49 | 17 17 | 19 21 | 19 41 | 21 4 | 18 9 | 3 50 | T 6 |
| F 7 | 4 1 | 19 19 | 3 43 | 7 28 | 1 55 | 6 51 | 1 25 | 16 42 | 1 54 | 22 36 | 0 7 | 23 11 | 0 21 | 22 15 | 0 1 | 14 41 | 0 36 | 8 49 | 17 17 | 19 21 | 19 42 | 21 4 | 18 8 | 3 50 | F 7 |
| S 8 | 3 38 | 20 39 | 2 54 | 8 3 | 2 2 | 6 22 | 1 25 | 16 47 | 1 53 | 22 37 | 0 7 | 23 11 | 0 21 | 22 15 | 0 1 | 14 40 | 0 36 | 8 50 | 17 17 | 19 21 | 19 42 | 21 5 | 18 8 | 3 51 | S 8 |
| S 9 | 3 14 | 21 5 | 1 58 | 8 38 | 2 9 | 5 52 | 1 25 | 16 52 | 1 52 | 22 37 | 0 7 | 23 11 | 0 21 | 22 15 | 0 1 | 14 40 | 0 36 | 8 50 | 17 17 | 19 21 | 19 43 | 21 5 | 18 8 | 3 51 | S 9 |
| M10 | 2 51 | 20 34 | 0 56 | 9 11 | 2 16 | 5 22 | 1 25 | 16 56 | 1 50 | 22 38 | 0 7 | 23 11 | 0 21 | 22 15 | 0 1 | 14 39 | 0 36 | 8 51 | 17 17 | 19 21 | 19 44 | 21 6 | 18 7 | 3 51 | M10 |
| T 11 | 2 27 | 19 6 | 0s 9 | 9 44 | 2 23 | 4 52 | 1 24 | 17 0 | 1 49 | 22 39 | 0 7 | 23 11 | 0 21 | 22 15 | 0 1 | 14 38 | 0 36 | 8 51 | 17 18 | 19 21 | 19 45 | 21 6 | 18 7 | 3 52 | T 11 |
| W12 | 2 4 | 16 43 | 1 14 | 10 15 | 2 30 | 4 22 | 1 24 | 17 5 | 1 48 | 22 40 | 0 7 | 23 11 | 0 20 | 22 15 | 0 1 | 14 38 | 0 36 | 8 52 | 17 18 | 19 21 | 19 45 | 21 7 | 18 6 | 3 52 | W12 |
| T 13 | 1 40 | 13 32 | 2 17 | 10 46 | 2 37 | 3 52 | 1 23 | 17 8 | 1 46 | 22 41 | 0 7 | 23 11 | 0 20 | 22 15 | 0 1 | 14 37 | 0 36 | 8 52 | 17 18 | 19 22 | 19 46 | 21 7 | 18 6 | 3 53 | T 13 |
| F 14 | 1 17 | 9 38 | 3 14 | 11 15 | 2 43 | 3 22 | 1 23 | 17 12 | 1 45 | 22 42 | 0 6 | 23 12 | 0 20 | 22 15 | 0 1 | 14 37 | 0 36 | 8 53 | 17 18 | 19 23 | 19 47 | 21 8 | 18 6 | 3 53 | F 14 |
| S 15 | 0 53 | 5 13 | 4 3 | 11 42 | 2 49 | 2 51 | 1 22 | 17 16 | 1 43 | 22 43 | 0 6 | 23 12 | 0 20 | 22 15 | 0 1 | 14 36 | 0 36 | 8 53 | 17 18 | 19 25 | 19 47 | 21 9 | 18 5 | 3 53 | S 15 |
| S 16 | 0 30 | 0 27 | 4 39 | 12 8 | 2 55 | 2 21 | 1 22 | 17 19 | 1 42 | 22 44 | 0 6 | 23 12 | 0 20 | 22 15 | 0 1 | 14 35 | 0 36 | 8 54 | 17 18 | 19 27 | 19 48 | 21 9 | 18 5 | 3 54 | S 16 |
| M17 | 0 6 | 4n26 | 5 0 | 12 33 | 3 0 | 1 50 | 1 21 | 17 23 | 1 40 | 22 44 | 0 6 | 23 12 | 0 20 | 22 15 | 0 1 | 14 35 | 0 36 | 8 54 | 17 18 | 19 29 | 19 49 | 21 10 | 18 4 | 3 54 | M17 |
| T 18 | 0s18 | 9 10 | 5 4 | 12 56 | 3 5 | 1 20 | 1 20 | 17 26 | 1 38 | 22 45 | 0 6 | 23 12 | 0 20 | 22 15 | 0 1 | 14 34 | 0 36 | 8 55 | 17 18 | 19 31 | 19 50 | 21 10 | 18 4 | 3 55 | T 18 |
| W19 | 0 41 | 13 27 | 4 50 | 13 17 | 3 9 | 0 49 | 1 19 | 17 29 | 1 37 | 22 46 | 0 6 | 23 12 | 0 20 | 22 15 | 0 1 | 14 34 | 0 36 | 8 55 | 17 19 | 19 33 | 19 50 | 21 11 | 18 3 | 3 55 | W19 |
| T 20 | 1 5 | 17 1 | 4 19 | 13 36 | 3 13 | 0 18 | 1 18 | 17 32 | 1 35 | 22 47 | 0 6 | 23 12 | 0 20 | 22 15 | 0 1 | 14 33 | 0 36 | 8 56 | 17 19 | 19 34 | 19 51 | 21 11 | 18 3 | 3 55 | T 20 |
| F 21 | 1 29 | 19 37 | 3 31 | 13 53 | 3 16 | 0s13 | 1 18 | 17 35 | 1 33 | 22 48 | 0 6 | 23 12 | 0 19 | 22 15 | 0 1 | 14 33 | 0 36 | 8 56 | 17 19 | 19 35 | 19 52 | 21 11 | 18 2 | 3 56 | F 21 |
| S 22 | 1 52 | 21 0 | 2 31 | 14 7 | 3 18 | 0 44 | 1 17 | 17 37 | 1 31 | 22 49 | 0 5 | 23 12 | 0 19 | 22 15 | 0 1 | 14 32 | 0 36 | 8 57 | 17 19 | 19 35 | 19 52 | 21 12 | 18 2 | 3 56 | S 22 |
| S 23 | 2 16 | 21 3 | 1 22 | 14 19 | 3 20 | 1 14 | 1 15 | 17 40 | 1 30 | 22 50 | 0 5 | 23 12 | 0 19 | 22 15 | 0 1 | 14 31 | 0 36 | 8 57 | 17 19 | 19 35 | 19 53 | 21 12 | 18 1 | 3 56 | S 23 |
| M24 | 2 40 | 19 46 | 0 7 | 14 28 | 3 21 | 1 45 | 1 14 | 17 42 | 1 28 | 22 51 | 0 5 | 23 12 | 0 19 | 22 15 | 0 1 | 14 31 | 0 37 | 8 57 | 17 19 | 19 35 | 19 54 | 21 13 | 18 1 | 3 57 | M24 |
| T 25 | 3 3 | 17 17 | 1n 7 | 14 34 | 3 21 | 2 16 | 1 13 | 17 44 | 1 26 | 22 52 | 0 5 | 23 12 | 0 19 | 22 15 | 0 1 | 14 30 | 0 37 | 8 58 | 17 19 | 19 35 | 19 55 | 21 13 | 18 0 | 3 57 | T 25 |
| W26 | 3 27 | 13 48 | 2 17 | 14 37 | 3 20 | 2 47 | 1 12 | 17 46 | 1 24 | 22 53 | 0 5 | 23 12 | 0 19 | 22 15 | 0 1 | 14 30 | 0 37 | 8 58 | 17 19 | 19 36 | 19 55 | 21 14 | 18 0 | 3 58 | W26 |
| T 27 | 3 51 | 9 34 | 3 18 | 14 36 | 3 18 | 3 18 | 1 11 | 17 48 | 1 22 | 22 54 | 0 5 | 23 12 | 0 19 | 22 14 | 0 1 | 14 29 | 0 37 | 8 59 | 17 19 | 19 37 | 19 56 | 21 14 | 17 59 | 3 58 | T 27 |
| F 28 | 4 14 | 4 54 | 4 6 | 14 31 | 3 14 | 3 48 | 1 9 | 17 49 | 1 20 | 22 55 | 0 5 | 23 12 | 0 19 | 22 14 | 0 1 | 14 29 | 0 37 | 8 59 | 17 19 | 19 39 | 19 57 | 21 15 | 17 59 | 3 58 | F 28 |
| S 29 | 4 38 | 0 4 | 4 40 | 14 22 | 3 9 | 4 19 | 1 8 | 17 51 | 1 17 | 22 56 | 0 5 | 23 13 | 0 19 | 22 14 | 0 1 | 14 28 | 0 37 | 9 0 | 17 19 | 19 41 | 19 57 | 21 15 | 17 58 | 3 59 | S 29 |
| S 30 | 5s 1 | 4s40 | 4n59 | 14s 8 | 3s 2 | 4s50 | 1n 6 | 17n52 | 1s15 | 22s57 | 0n 4 | 23s13 | 0n18 | 22n14 | 0s 1 | 14n28 | 0n37 | 9s 0 | 17s19 | 19n44 | 19n58 | 21s16 | 17n58 | 3s59 | S 30 |

Julian Day Number = 2125267.5, Delta T = 17m21s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'11, Lahiri = 11°24'11 Julian Calendar 1 Sept. 1106 == Greg. Calendar 8 Sept. 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## OCTOBER 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 2 1 | 13♎37'57 | 6♏48 | 28°R50 | 16♎ 1 | 24°R49 | 18♐13 | 3♑10 | 11°R17 | 23♘ 7 | 17°R45 | 2°R 7 | 1♘14 | 7♑30 | 8°R55 | M 1 |
| T 2 | 1 5 58 | 14°37'43 | 19°27 | 28♎11 | 17°16 | 24♉43 | 18°22 | 3°13 | 11♊16 | 23° 9 | 17♈44 | 1♘56 | 1°11 | 7°37 | 8♊53 | T 2 |
| W 3 | 1 9 55 | 15°37'30 | 1♐50 | 27°24 | 18°32 | 24°37 | 18°32 | 3°17 | 11°15 | 23°10 | 17°42 | 1°46 | 1° 8 | 7°43 | 8°52 | W 3 |
| T 4 | 1 13 51 | 16°37'19 | 13°58 | 26°28 | 19°47 | 24°30 | 18°41 | 3°20 | 11°14 | 23°12 | 17°41 | 1°39 | 1° 5 | 7°50 | 8°50 | T 4 |
| F 5 | 1 17 48 | 17°37'10 | 25°54 | 25°26 | 21° 2 | 24°22 | 18°51 | 3°23 | 11°13 | 23°13 | 17°40 | 1°35 | 1° 2 | 7°57 | 8°48 | F 5 |
| S 6 | 1 21 44 | 18°37'03 | 7♑44 | 24°16 | 22°17 | 24°13 | 19° 1 | 3°26 | 11°12 | 23°14 | 17°39 | 1°33 | 0°58 | 8° 3 | 8°47 | S 6 |
| S 7 | 1 25 41 | 19°36'57 | 19°32 | 23° 3 | 23°33 | 24° 3 | 19°11 | 3°30 | 11°10 | 23°16 | 17°38 | 1°D32 | 0°55 | 8°10 | 8°45 | S 7 |
| M 8 | 1 29 37 | 20°36'53 | 1♒24 | 21°46 | 24°48 | 23°52 | 19°21 | 3°33 | 11° 9 | 23°17 | 17°37 | 1°R33 | 0°52 | 8°17 | 8°43 | M 8 |
| T 9 | 1 33 34 | 21°36'51 | 13°26 | 20°30 | 26° 3 | 23°40 | 19°31 | 3°37 | 11° 8 | 23°19 | 17°36 | 1°32 | 0°49 | 8°23 | 8°41 | T 9 |
| W10 | 1 37 30 | 22°36'50 | 25°41 | 19°15 | 27°18 | 23°28 | 19°41 | 3°40 | 11° 6 | 23°20 | 17°34 | 1°30 | 0°46 | 8°30 | 8°39 | W10 |
| T 11 | 1 41 27 | 23°36'51 | 8♓17 | 18° 5 | 28°33 | 23°15 | 19°52 | 3°44 | 11° 5 | 23°21 | 17°33 | 1°26 | 0°42 | 8°37 | 8°37 | T 11 |
| F 12 | 1 45 23 | 24°36'54 | 21°14 | 17° 1 | 29°49 | 23° 1 | 20° 2 | 3°48 | 11° 3 | 23°23 | 17°32 | 1°18 | 0°39 | 8°43 | 8°34 | F 12 |
| S 13 | 1 49 20 | 25°36'59 | 4♈35 | 16° 5 | 1♏ 4 | 22°46 | 20°13 | 3°52 | 11° 2 | 23°24 | 17°31 | 1° 8 | 0°36 | 8°50 | 8°32 | S 13 |
| S 14 | 1 53 17 | 26°37'05 | 18°19 | 15°20 | 2°19 | 22°30 | 20°24 | 3°56 | 11° 0 | 23°25 | 17°30 | 0°57 | 0°33 | 8°57 | 8°30 | S 14 |
| M15 | 1 57 13 | 27°37'13 | 2♉22 | 14°45 | 3°34 | 22°14 | 20°34 | 4° 0 | 10°59 | 23°26 | 17°29 | 0°44 | 0°30 | 9° 3 | 8°27 | M15 |
| T 16 | 2 1 10 | 28°37'23 | 16°41 | 14°22 | 4°50 | 21°57 | 20°45 | 4° 4 | 10°57 | 23°27 | 17°28 | 0°32 | 0°27 | 9°10 | 8°25 | T 16 |
| W17 | 2 5 6 | 29°37'35 | 1♊ 8 | 14°10 | 6° 5 | 21°40 | 20°56 | 4° 8 | 10°55 | 23°29 | 17°27 | 0°22 | 0°23 | 9°17 | 8°23 | W17 |
| T 18 | 2 9 3 | 0♏37'49 | 15°37 | 14°D10 | 7°20 | 21°21 | 21° 7 | 4°13 | 10°54 | 23°30 | 17°25 | 0°14 | 0°20 | 9°23 | 8°20 | T 18 |
| F 19 | 2 12 59 | 1°38'06 | 0♋ 3 | 14°21 | 8°35 | 21° 3 | 21°18 | 4°17 | 10°52 | 23°31 | 17°24 | 0°10 | 0°17 | 9°30 | 8°17 | F 19 |
| S 20 | 2 16 56 | 2°38'24 | 14°21 | 14°42 | 9°50 | 20°43 | 21°30 | 4°21 | 10°50 | 23°32 | 17°23 | 0° 7 | 0°14 | 9°37 | 8°15 | S 20 |
| S 21 | 2 20 52 | 3°38'44 | 28°30 | 15°13 | 11° 6 | 20°23 | 21°41 | 4°26 | 10°48 | 23°33 | 17°22 | 0° 7 | 0°11 | 9°43 | 8°12 | S 21 |
| M22 | 2 24 49 | 4°39'06 | 12♌28 | 15°53 | 12°21 | 20° 3 | 21°52 | 4°31 | 10°46 | 23°34 | 17°21 | 0° 7 | 0° 8 | 9°50 | 8° 9 | M22 |
| T 23 | 2 28 46 | 5°39'31 | 26°15 | 16°40 | 13°36 | 19°42 | 22° 4 | 4°35 | 10°44 | 23°35 | 17°20 | 0° 6 | 0° 4 | 9°57 | 8° 7 | T 23 |
| W24 | 2 32 42 | 6°39'57 | 9♍52 | 17°34 | 14°52 | 19°21 | 22°16 | 4°40 | 10°42 | 23°36 | 17°19 | 0° 3 | 0° 1 | 10° 3 | 8° 4 | W24 |
| T 25 | 2 36 39 | 7°40'25 | 23°19 | 18°34 | 16° 7 | 18°59 | 22°27 | 4°45 | 10°40 | 23°37 | 17°18 | 29♋56 | 29♋58 | 10°10 | 8° 1 | T 25 |
| F 26 | 2 40 35 | 8°40'55 | 6♎36 | 19°39 | 17°22 | 18°37 | 22°39 | 4°50 | 10°38 | 23°37 | 17°17 | 29°47 | 29°55 | 10°16 | 7°58 | F 26 |
| S 27 | 2 44 32 | 9°41'27 | 19°41 | 20°49 | 18°37 | 18°15 | 22°51 | 4°55 | 10°36 | 23°38 | 17°16 | 29°35 | 29°52 | 10°23 | 7°55 | S 27 |
| S 28 | 2 48 28 | 10°42'00 | 2♏35 | 22° 3 | 19°53 | 17°53 | 23° 3 | 5° 0 | 10°34 | 23°39 | 17°15 | 29°22 | 29°48 | 10°30 | 7°52 | S 28 |
| M29 | 2 52 25 | 11°42'36 | 15°15 | 23°20 | 21° 8 | 17°30 | 23°15 | 5° 5 | 10°32 | 23°40 | 17°14 | 29° 8 | 29°45 | 10°36 | 7°49 | M29 |
| T 30 | 2 56 21 | 12°43'12 | 27°43 | 24°40 | 22°23 | 17° 8 | 23°27 | 5°10 | 10°30 | 23°41 | 17°13 | 28°55 | 29°42 | 10°43 | 7°46 | T 30 |
| W31 | 3 0 18 | 13♏43'51 | 9♐57 | 26♎ 2 | 23♏38 | 16♉45 | 23♐39 | 5♑15 | 10♊28 | 23♘41 | 17♈12 | 28♋44 | 29♋39 | 10♑50 | 7♊42 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s24 | 9s 7 | 5n 1 | 13s49 | 2s54 | 5s20 | 1n 5 | 17n53 | 1s13 | 22s57 | 0n 4 | 23s13 | 0n18 | 22n14 | 0s 1 | 14n27 | 0n37 | 9s 1 | 17s19 | 19n47 | 19n59 | 21s16 | 17n57 | 3s59 |
| T 2 | 5 48 | 13 3 | 4 48 | 13 26 | 2 44 | 5 50 | 1 3 | 17 54 | 1 11 | 22 58 | 0 4 | 23 13 | 0 18 | 22 14 | 0 0 | 14 27 | 0 37 | 9 1 | 17 19 | 19 49 | 19 59 | 21 17 | 17 56 | 4 0 |
| W 3 | 6 11 | 16 21 | 4 22 | 12 58 | 2 32 | 6 21 | 1 2 | 17 54 | 1 8 | 22 59 | 0 4 | 23 13 | 0 18 | 22 14 | 0 0 | 14 26 | 0 37 | 9 1 | 17 19 | 19 52 | 20 0 | 21 17 | 17 56 | 4 0 |
| T 4 | 6 34 | 18 52 | 3 44 | 12 25 | 2 19 | 6 51 | 1 0 | 17 55 | 1 6 | 23 0 | 0 4 | 23 13 | 0 18 | 22 14 | 0 0 | 14 26 | 0 37 | 9 2 | 17 19 | 19 53 | 20 1 | 21 17 | 17 55 | 4 0 |
| F 5 | 6 57 | 20 32 | 2 57 | 11 47 | 2 3 | 7 21 | 0 58 | 17 55 | 1 4 | 23 1 | 0 4 | 23 13 | 0 18 | 22 13 | 0 0 | 14 25 | 0 37 | 9 2 | 17 19 | 19 54 | 20 2 | 21 18 | 17 55 | 4 1 |
| S 6 | 7 20 | 21 17 | 2 3 | 11 6 | 1 46 | 7 50 | 0 57 | 17 56 | 1 1 | 23 2 | 0 4 | 23 13 | 0 18 | 22 13 | 0 0 | 14 25 | 0 37 | 9 3 | 17 19 | 19 55 | 20 2 | 21 18 | 17 54 | 4 1 |
| S 7 | 7 43 | 21 5 | 1 3 | 10 21 | 1 28 | 8 20 | 0 55 | 17 56 | 0 59 | 23 3 | 0 4 | 23 13 | 0 18 | 22 13 | 0 0 | 14 24 | 0 37 | 9 3 | 17 19 | 19 55 | 20 3 | 21 19 | 17 53 | 4 2 |
| M 8 | 8 5 | 19 56 | 0 1 | 9 35 | 1 8 | 8 50 | 0 53 | 17 55 | 0 56 | 23 4 | 0 3 | 23 13 | 0 18 | 22 13 | 0 0 | 14 24 | 0 37 | 9 4 | 17 19 | 19 55 | 20 4 | 21 19 | 17 53 | 4 2 |
| T 9 | 8 28 | 17 52 | 1s 3 | 8 47 | 0 48 | 9 19 | 0 51 | 17 55 | 0 53 | 23 5 | 0 3 | 23 13 | 0 17 | 22 13 | 0 0 | 14 24 | 0 37 | 9 4 | 17 19 | 19 55 | 20 4 | 21 19 | 17 52 | 4 2 |
| W10 | 8 50 | 14 58 | 2 4 | 7 59 | 0 27 | 9 48 | 0 49 | 17 55 | 0 51 | 23 6 | 0 3 | 23 13 | 0 17 | 22 12 | 0 0 | 14 23 | 0 37 | 9 4 | 17 19 | 19 55 | 20 5 | 21 20 | 17 51 | 4 3 |
| T 11 | 9 13 | 11 18 | 3 1 | 7 13 | 0 6 | 10 17 | 0 47 | 17 54 | 0 48 | 23 7 | 0 3 | 23 13 | 0 17 | 22 12 | 0 0 | 14 23 | 0 37 | 9 5 | 17 19 | 19 56 | 20 6 | 21 20 | 17 51 | 4 3 |
| F 12 | 9 35 | 7 1 | 3 51 | 6 30 | 0n14 | 10 45 | 0 45 | 17 53 | 0 45 | 23 8 | 0 3 | 23 13 | 0 17 | 22 12 | 0 0 | 14 22 | 0 37 | 9 5 | 17 19 | 19 58 | 20 6 | 21 21 | 17 50 | 4 3 |
| S 13 | 9 57 | 2 17 | 4 29 | 5 51 | 0 33 | 11 13 | 0 43 | 17 52 | 0 42 | 23 9 | 0 3 | 23 13 | 0 17 | 22 12 | 0 0 | 14 22 | 0 37 | 9 5 | 17 19 | 20 0 | 20 7 | 21 21 | 17 49 | 4 4 |
| S 14 | 10 19 | 2n42 | 4 53 | 5 17 | 0 51 | 11 41 | 0 41 | 17 51 | 0 40 | 23 10 | 0 3 | 23 13 | 0 17 | 22 12 | 0 0 | 14 22 | 0 37 | 9 6 | 17 19 | 20 3 | 20 8 | 21 21 | 17 49 | 4 4 |
| M15 | 10 41 | 7 39 | 5 0 | 4 49 | 1 7 | 12 9 | 0 39 | 17 49 | 0 37 | 23 10 | 0 3 | 23 13 | 0 17 | 22 11 | 0 0 | 14 21 | 0 37 | 9 6 | 17 19 | 20 5 | 20 8 | 21 22 | 17 48 | 4 4 |
| T 16 | 11 2 | 12 17 | 4 49 | 4 26 | 1 22 | 12 37 | 0 37 | 17 48 | 0 34 | 23 11 | 0 3 | 23 13 | 0 17 | 22 11 | 0 0 | 14 21 | 0 37 | 9 6 | 17 19 | 20 8 | 20 9 | 21 22 | 17 47 | 4 4 |
| W17 | 11 24 | 16 16 | 4 19 | 4 10 | 1 34 | 13 4 | 0 35 | 17 46 | 0 31 | 23 12 | 0 2 | 23 13 | 0 17 | 22 11 | 0 0 | 14 21 | 0 37 | 9 7 | 17 19 | 20 10 | 20 10 | 21 22 | 17 47 | 4 5 |
| T 18 | 11 45 | 19 16 | 3 32 | 4 0 | 1 46 | 13 31 | 0 33 | 17 44 | 0 28 | 23 13 | 0 2 | 23 13 | 0 17 | 22 11 | 0 0 | 14 20 | 0 37 | 9 7 | 17 18 | 20 12 | 20 11 | 21 23 | 17 46 | 4 5 |
| F 19 | 12 6 | 21 1 | 2 32 | 3 55 | 1 55 | 13 57 | 0 30 | 17 42 | 0 25 | 23 14 | 0 2 | 23 13 | 0 16 | 22 10 | 0 0 | 14 20 | 0 37 | 9 7 | 17 18 | 20 13 | 20 11 | 21 23 | 17 45 | 4 5 |
| S 20 | 12 27 | 21 25 | 1 22 | 3 57 | 2 2 | 14 23 | 0 28 | 17 40 | 0 22 | 23 15 | 0 2 | 23 13 | 0 16 | 22 10 | 0 0 | 14 20 | 0 37 | 9 8 | 17 18 | 20 13 | 20 12 | 21 24 | 17 45 | 4 6 |
| S 21 | 12 48 | 20 25 | 0 9 | 4 3 | 2 8 | 14 49 | 0 26 | 17 38 | 0 19 | 23 16 | 0 2 | 23 12 | 0 16 | 22 10 | 0 0 | 14 19 | 0 37 | 9 8 | 17 18 | 20 13 | 20 13 | 21 24 | 17 44 | 4 6 |
| M22 | 13 8 | 18 11 | 1n 5 | 4 14 | 2 13 | 15 14 | 0 24 | 17 35 | 0 16 | 23 16 | 0 2 | 23 12 | 0 16 | 22 10 | 0 0 | 14 19 | 0 37 | 9 8 | 17 18 | 20 13 | 20 13 | 21 24 | 17 43 | 4 6 |
| T 23 | 13 28 | 14 55 | 2 13 | 4 30 | 2 16 | 15 39 | 0 21 | 17 32 | 0 13 | 23 17 | 0 2 | 23 12 | 0 16 | 22 9 | 0 0 | 14 19 | 0 37 | 9 9 | 17 18 | 20 14 | 20 14 | 21 25 | 17 42 | 4 7 |
| W24 | 13 48 | 10 53 | 3 14 | 4 49 | 2 17 | 16 4 | 0 19 | 17 30 | 0 10 | 23 18 | 0 2 | 23 12 | 0 16 | 22 9 | 0 0 | 14 18 | 0 37 | 9 9 | 17 18 | 20 14 | 20 15 | 21 25 | 17 42 | 4 7 |
| T 25 | 14 8 | 6 22 | 4 2 | 5 11 | 2 18 | 16 28 | 0 17 | 17 27 | 0 7 | 23 19 | 0 2 | 23 12 | 0 16 | 22 9 | 0 0 | 14 18 | 0 37 | 9 9 | 17 18 | 20 16 | 20 15 | 21 25 | 17 41 | 4 7 |
| F 26 | 14 28 | 1 36 | 4 37 | 5 36 | 2 17 | 16 52 | 0 14 | 17 24 | 0 3 | 23 20 | 0 1 | 23 12 | 0 16 | 22 9 | 0 0 | 14 18 | 0 37 | 9 9 | 17 17 | 20 18 | 20 16 | 21 26 | 17 40 | 4 7 |
| S 27 | 14 47 | 3s10 | 4 56 | 6 4 | 2 16 | 17 15 | 0 12 | 17 20 | 0 0 | 23 20 | 0 1 | 23 12 | 0 16 | 22 8 | 0 0 | 14 18 | 0 37 | 9 10 | 17 17 | 20 20 | 20 17 | 21 26 | 17 40 | 4 8 |
| S 28 | 15 6 | 7 44 | 5 0 | 6 34 | 2 14 | 17 38 | 0 10 | 17 17 | 0n 3 | 23 21 | 0 1 | 23 12 | 0 16 | 22 8 | 0 0 | 14 17 | 0 37 | 9 10 | 17 17 | 20 23 | 20 17 | 21 26 | 17 39 | 4 8 |
| M29 | 15 25 | 11 53 | 4 49 | 7 5 | 2 11 | 18 1 | 0 7 | 17 14 | 0 6 | 23 22 | 0 1 | 23 12 | 0 15 | 22 8 | 0 0 | 14 17 | 0 38 | 9 10 | 17 17 | 20 26 | 20 18 | 21 26 | 17 38 | 4 8 |
| T 30 | 15 44 | 15 27 | 4 24 | 7 38 | 2 7 | 18 23 | 0 5 | 17 10 | 0 9 | 23 22 | 0 1 | 23 12 | 0 15 | 22 7 | 0 0 | 14 17 | 0 38 | 9 10 | 17 17 | 20 28 | 20 19 | 21 27 | 17 37 | 4 8 |
| W31 | 16s 2 | 18s18 | 3n47 | 8s11 | 2n 3 | 18s44 | 0n 2 | 17n 7 | 0n12 | 23s23 | 0n 1 | 23s12 | 0n15 | 22n 7 | 0s 0 | 14n17 | 0n38 | 9s11 | 17s17 | 20n31 | 20n19 | 21s27 | 17n37 | 4s 9 |

Julian Day Number = 2125297.5, Delta T = 17m21s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'15, Lahiri = 11°24'16 Julian Calendar 1 Oct. 1106 == Greg. Calendar 8 Oct. 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## NOVEMBER 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 4 15 | 14♏44'30 | 22♐ 0 | 27♎27 | 24♏54 | 16°R23 | 23♐51 | 5♑20 | 10°R25 | 23♌42 | 17°R11 | 28°R36 | 29♋36 | 10♑56 | 7°R39 | T 1 |
| F 2 | 3 8 11 | 15°45'11 | 3♑53 | 28°53 | 26° 9 | 16♉ 0 | 24° 4 | 5°26 | 10♊23 | 23°43 | 17♈10 | 28♋30 | 29°33 | 11° 3 | 7♊36 | F 2 |
| S 3 | 3 12 8 | 16°45'54 | 15°41 | 0♏20 | 27°24 | 15°38 | 24°16 | 5°31 | 10°21 | 23°43 | 17° 9 | 28°28 | 29°29 | 11°10 | 7°33 | S 3 |
| S 4 | 3 16 4 | 17°46'37 | 27°28 | 1°49 | 28°40 | 15°16 | 24°28 | 5°37 | 10°19 | 23°44 | 17° 8 | 28°D27 | 29°26 | 11°16 | 7°29 | S 4 |
| M 5 | 3 20 1 | 18°47'22 | 9♒17 | 3°19 | 29°55 | 14°54 | 24°41 | 5°42 | 10°16 | 23°44 | 17° 7 | 28°27 | 29°23 | 11°23 | 7°26 | M 5 |
| T 6 | 3 23 57 | 19°48'07 | 21°16 | 4°49 | 1♐10 | 14°32 | 24°54 | 5°48 | 10°14 | 23°45 | 17° 6 | 28°R27 | 29°20 | 11°30 | 7°23 | T 6 |
| W 7 | 3 27 54 | 20°48'54 | 3♓30 | 6°20 | 2°25 | 14°11 | 25° 6 | 5°54 | 10°11 | 23°45 | 17° 5 | 28°26 | 29°17 | 11°36 | 7°19 | W 7 |
| T 8 | 3 31 50 | 21°49'42 | 16° 3 | 7°52 | 3°41 | 13°50 | 25°19 | 5°59 | 10° 9 | 23°46 | 17° 4 | 28°24 | 29°13 | 11°43 | 7°16 | T 8 |
| F 9 | 3 35 47 | 22°50'30 | 29° 1 | 9°23 | 4°56 | 13°29 | 25°32 | 6° 5 | 10° 7 | 23°46 | 17° 3 | 28°18 | 29°10 | 11°50 | 7°12 | F 9 |
| S 10 | 3 39 44 | 23°51'20 | 12♈26 | 10°56 | 6°11 | 13° 9 | 25°44 | 6°11 | 10° 4 | 23°46 | 17° 2 | 28°11 | 29° 7 | 11°56 | 7° 9 | S 10 |
| S 11 | 3 43 40 | 24°52'11 | 26°18 | 12°28 | 7°26 | 12°49 | 25°57 | 6°17 | 10° 2 | 23°47 | 17° 1 | 28° 1 | 29° 4 | 12° 3 | 7° 5 | S 11 |
| M12 | 3 47 37 | 25°53'02 | 10♉36 | 14° 1 | 8°41 | 12°30 | 26°10 | 6°23 | 9°59 | 23°47 | 17° 0 | 27°51 | 29° 1 | 12°10 | 7° 2 | M12 |
| T 13 | 3 51 33 | 26°53'55 | 25°15 | 15°34 | 9°57 | 12°12 | 26°23 | 6°29 | 9°57 | 23°47 | 17° 0 | 27°41 | 28°58 | 12°16 | 6°58 | T 13 |
| W14 | 3 55 30 | 27°54'49 | 10♊ 6 | 17° 7 | 11°12 | 11°54 | 26°36 | 6°35 | 9°54 | 23°48 | 16°59 | 27°32 | 28°54 | 12°23 | 6°55 | W14 |
| T 15 | 3 59 26 | 28°55'44 | 25° 2 | 18°41 | 12°27 | 11°36 | 26°49 | 6°41 | 9°52 | 23°48 | 16°58 | 27°26 | 28°51 | 12°30 | 6°51 | T 15 |
| F 16 | 4 3 23 | 29°56'41 | 9♋53 | 20°14 | 13°42 | 11°20 | 27° 2 | 6°47 | 9°49 | 23°48 | 16°57 | 27°22 | 28°48 | 12°36 | 6°48 | F 16 |
| S 17 | 4 7 19 | 0♐57'39 | 24°33 | 21°47 | 14°58 | 11° 4 | 27°16 | 6°53 | 9°47 | 23°48 | 16°56 | 27°D21 | 28°45 | 12°43 | 6°44 | S 17 |
| S 18 | 4 11 16 | 1°58'38 | 8♌57 | 23°21 | 16°13 | 10°48 | 27°29 | 6°59 | 9°44 | 23°48 | 16°56 | 27°21 | 28°42 | 12°49 | 6°40 | S 18 |
| M19 | 4 15 13 | 2°59'38 | 23° 2 | 24°54 | 17°28 | 10°34 | 27°42 | 7° 5 | 9°42 | 23°48 | 16°55 | 27°22 | 28°39 | 12°56 | 6°37 | M19 |
| T 20 | 4 19 9 | 4° 0'39 | 6♍49 | 26°28 | 18°43 | 10°20 | 27°55 | 7°12 | 9°39 | 23°R48 | 16°54 | 27°R23 | 28°35 | 13° 3 | 6°33 | T 20 |
| W21 | 4 23 6 | 5° 1'41 | 20°18 | 28° 1 | 19°58 | 10° 7 | 28° 9 | 7°18 | 9°37 | 23°48 | 16°53 | 27°21 | 28°32 | 13° 9 | 6°30 | W21 |
| T 22 | 4 27 2 | 6° 2'45 | 3♎31 | 29°35 | 21°14 | 9°55 | 28°22 | 7°25 | 9°34 | 23°48 | 16°53 | 27°18 | 28°29 | 13°16 | 6°26 | T 22 |
| F 23 | 4 30 59 | 7° 3'50 | 16°30 | 1♐ 9 | 22°29 | 9°43 | 28°36 | 7°31 | 9°32 | 23°48 | 16°52 | 27°12 | 28°26 | 13°23 | 6°22 | F 23 |
| S 24 | 4 34 55 | 8° 4'55 | 29°15 | 2°42 | 23°44 | 9°32 | 28°49 | 7°37 | 9°29 | 23°48 | 16°51 | 27° 4 | 28°23 | 13°29 | 6°19 | S 24 |
| S 25 | 4 38 52 | 9° 6'02 | 11♏49 | 4°16 | 24°59 | 9°22 | 29° 3 | 7°44 | 9°26 | 23°48 | 16°51 | 26°55 | 28°19 | 13°36 | 6°15 | S 25 |
| M26 | 4 42 48 | 10° 7'09 | 24°12 | 5°50 | 26°14 | 9°13 | 29°16 | 7°50 | 9°24 | 23°47 | 16°50 | 26°46 | 28°16 | 13°43 | 6°11 | M26 |
| T 27 | 4 46 45 | 11° 8'17 | 6♐25 | 7°24 | 27°30 | 9° 5 | 29°30 | 7°57 | 9°21 | 23°47 | 16°50 | 26°37 | 28°13 | 13°49 | 6° 8 | T 27 |
| W28 | 4 50 42 | 12° 9'26 | 18°28 | 8°59 | 28°45 | 8°58 | 29°43 | 8° 4 | 9°19 | 23°47 | 16°49 | 26°29 | 28°10 | 13°56 | 6° 4 | W28 |
| T 29 | 4 54 38 | 13°10'36 | 0♑24 | 10°33 | 29°59 | 8°51 | 29°57 | 8°10 | 9°16 | 23°47 | 16°48 | 26°24 | 28° 7 | 14° 3 | 6° 1 | T 29 |
| F 30 | 4 58 35 | 14♐11'46 | 12♑14 | 12♐ 7 | 1♑15 | 8♉45 | 0♑11 | 8♑17 | 9♊14 | 23♌46 | 16♈48 | 26♋21 | 28♋ 4 | 14♑ 9 | 5♊57 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s20 | 20s18 | 3n 1 | 8s46 | 1n59 | 19s 5 | 0s 0 | 17n 3 | 0n15 | 23s24 | 0n 1 | 23s12 | 0n15 | 22n 7 | 0s 0 | 14n17 | 0n38 | 9s11 | 17s17 | 20n32 | 20n20 | 21s27 | 17n36 | 4s 9 |
| F 2 | 16 38 | 21 23 | 2 7 | 9 21 | 1 54 | 19 25 | 0 3 | 17 0 | 0 18 | 23 25 | 0 1 | 23 11 | 0 15 | 22 7 | 0 0 | 14 16 | 0 38 | 9 11 | 17 16 | 20 34 | 20 21 | 21 28 | 17 35 | 4 9 |
| S 3 | 16 56 | 21 31 | 1 7 | 9 57 | 1 48 | 19 45 | 0 5 | 16 56 | 0 21 | 23 25 | 0 1 | 23 11 | 0 15 | 22 6 | 0 0 | 14 16 | 0 38 | 9 11 | 17 16 | 20 34 | 20 21 | 21 28 | 17 34 | 4 9 |
| S 4 | 17 13 | 20 41 | 0 5 | 10 33 | 1 43 | 20 5 | 0 7 | 16 52 | 0 24 | 23 26 | 0 0 | 23 11 | 0 15 | 22 6 | 0 0 | 14 16 | 0 38 | 9 11 | 17 16 | 20 34 | 20 22 | 21 28 | 17 34 | 4 10 |
| M 5 | 17 30 | 18 56 | 0s58 | 11 10 | 1 37 | 20 23 | 0 10 | 16 49 | 0 27 | 23 26 | 0 0 | 23 11 | 0 15 | 22 6 | 0 0 | 14 16 | 0 38 | 9 11 | 17 16 | 20 34 | 20 23 | 21 29 | 17 33 | 4 10 |
| T 6 | 17 46 | 16 21 | 1 59 | 11 46 | 1 30 | 20 42 | 0 12 | 16 45 | 0 30 | 23 27 | 0 0 | 23 11 | 0 15 | 22 5 | 0 0 | 14 16 | 0 38 | 9 12 | 17 16 | 20 34 | 20 23 | 21 29 | 17 32 | 4 10 |
| W 7 | 18 3 | 13 0 | 2 55 | 12 22 | 1 24 | 20 59 | 0 15 | 16 41 | 0 33 | 23 28 | 0 0 | 23 11 | 0 15 | 22 5 | 0 0 | 14 16 | 0 38 | 9 12 | 17 15 | 20 34 | 20 24 | 21 29 | 17 31 | 4 10 |
| T 8 | 18 19 | 8 59 | 3 46 | 12 59 | 1 17 | 21 16 | 0 17 | 16 38 | 0 35 | 23 28 | 0 0 | 23 11 | 0 15 | 22 5 | 0 0 | 14 16 | 0 38 | 9 12 | 17 15 | 20 35 | 20 25 | 21 29 | 17 31 | 4 10 |
| F 9 | 18 34 | 4 27 | 4 26 | 13 34 | 1 11 | 21 33 | 0 20 | 16 34 | 0 38 | 23 29 | 0s 0 | 23 10 | 0 14 | 22 4 | 0 0 | 14 15 | 0 38 | 9 12 | 17 15 | 20 36 | 20 25 | 21 30 | 17 30 | 4 11 |
| S 10 | 18 50 | 0n27 | 4 53 | 14 10 | 1 4 | 21 48 | 0 22 | 16 31 | 0 41 | 23 29 | 0 0 | 23 10 | 0 14 | 22 4 | 0 0 | 14 15 | 0 38 | 9 12 | 17 15 | 20 37 | 20 26 | 21 30 | 17 29 | 4 11 |
| S 11 | 19 5 | 5 29 | 5 4 | 14 45 | 0 57 | 22 4 | 0 25 | 16 27 | 0 44 | 23 30 | 0 0 | 23 10 | 0 14 | 22 4 | 0 0 | 14 15 | 0 38 | 9 12 | 17 14 | 20 39 | 20 27 | 21 30 | 17 28 | 4 11 |
| M12 | 19 19 | 10 23 | 4 57 | 15 19 | 0 50 | 22 18 | 0 27 | 16 24 | 0 46 | 23 30 | 0 0 | 23 10 | 0 14 | 22 3 | 0 0 | 14 15 | 0 38 | 9 12 | 17 14 | 20 41 | 20 27 | 21 30 | 17 28 | 4 11 |
| T 13 | 19 33 | 14 48 | 4 30 | 15 54 | 0 43 | 22 32 | 0 29 | 16 21 | 0 49 | 23 31 | 0 0 | 23 10 | 0 14 | 22 3 | 0 0 | 14 15 | 0 38 | 9 12 | 17 14 | 20 43 | 20 28 | 21 31 | 17 27 | 4 11 |
| W14 | 19 47 | 18 22 | 3 45 | 16 27 | 0 36 | 22 45 | 0 32 | 16 18 | 0 51 | 23 31 | 0 1 | 23 9 | 0 14 | 22 2 | 0 0 | 14 15 | 0 38 | 9 13 | 17 14 | 20 45 | 20 29 | 21 31 | 17 26 | 4 12 |
| T 15 | 20 1 | 20 44 | 2 44 | 17 0 | 0 29 | 22 58 | 0 34 | 16 14 | 0 54 | 23 32 | 0 1 | 23 9 | 0 14 | 22 2 | 0 0 | 14 15 | 0 38 | 9 13 | 17 13 | 20 46 | 20 29 | 21 31 | 17 25 | 4 12 |
| F 16 | 20 14 | 21 39 | 1 32 | 17 32 | 0 22 | 23 9 | 0 36 | 16 12 | 0 56 | 23 32 | 0 1 | 23 9 | 0 14 | 22 2 | 0 0 | 14 15 | 0 38 | 9 13 | 17 13 | 20 47 | 20 30 | 21 31 | 17 25 | 4 12 |
| S 17 | 20 27 | 21 4 | 0 15 | 18 3 | 0 15 | 23 20 | 0 39 | 16 9 | 0 59 | 23 32 | 0 1 | 23 9 | 0 14 | 22 1 | 0 0 | 14 15 | 0 38 | 9 13 | 17 13 | 20 47 | 20 31 | 21 31 | 17 24 | 4 12 |
| S 18 | 20 39 | 19 6 | 1n 2 | 18 34 | 0 8 | 23 31 | 0 41 | 16 6 | 1 1 | 23 33 | 0 1 | 23 8 | 0 14 | 22 1 | 0 0 | 14 15 | 0 38 | 9 13 | 17 13 | 20 47 | 20 31 | 21 32 | 17 23 | 4 12 |
| M19 | 20 51 | 16 0 | 2 14 | 19 4 | 0 1 | 23 41 | 0 43 | 16 4 | 1 3 | 23 33 | 0 1 | 23 8 | 0 14 | 22 1 | 0 0 | 14 15 | 0 38 | 9 13 | 17 12 | 20 47 | 20 32 | 21 32 | 17 22 | 4 12 |
| T 20 | 21 3 | 12 5 | 3 16 | 19 33 | 0s 5 | 23 50 | 0 45 | 16 1 | 1 5 | 23 33 | 0 1 | 23 8 | 0 14 | 22 0 | 0 0 | 14 15 | 0 38 | 9 13 | 17 12 | 20 47 | 20 32 | 21 32 | 17 22 | 4 12 |
| W21 | 21 14 | 7 37 | 4 6 | 20 1 | 0 12 | 23 58 | 0 48 | 15 59 | 1 7 | 23 34 | 0 1 | 23 8 | 0 13 | 22 0 | 0 0 | 14 15 | 0 38 | 9 13 | 17 12 | 20 47 | 20 33 | 21 32 | 17 21 | 4 13 |
| T 22 | 21 25 | 2 54 | 4 41 | 20 28 | 0 19 | 24 5 | 0 50 | 15 57 | 1 10 | 23 34 | 0 1 | 23 7 | 0 13 | 22 0 | 0n 0 | 14 15 | 0 38 | 9 13 | 17 12 | 20 48 | 20 34 | 21 32 | 17 20 | 4 13 |
| F 23 | 21 36 | 1s52 | 5 2 | 20 54 | 0 25 | 24 12 | 0 52 | 15 55 | 1 12 | 23 34 | 0 1 | 23 7 | 0 13 | 21 59 | 0 0 | 14 15 | 0 38 | 9 13 | 17 11 | 20 49 | 20 34 | 21 33 | 17 20 | 4 13 |
| S 24 | 21 46 | 6 29 | 5 7 | 21 19 | 0 32 | 24 18 | 0 54 | 15 54 | 1 13 | 23 34 | 0 2 | 23 7 | 0 13 | 21 59 | 0 0 | 14 15 | 0 38 | 9 13 | 17 11 | 20 51 | 20 35 | 21 33 | 17 19 | 4 13 |
| S 25 | 21 55 | 10 44 | 4 57 | 21 43 | 0 38 | 24 24 | 0 56 | 15 52 | 1 15 | 23 35 | 0 2 | 23 7 | 0 13 | 21 58 | 0 0 | 14 15 | 0 38 | 9 13 | 17 11 | 20 52 | 20 36 | 21 33 | 17 18 | 4 13 |
| M26 | 22 4 | 14 30 | 4 33 | 22 7 | 0 44 | 24 28 | 0 58 | 15 51 | 1 17 | 23 35 | 0 2 | 23 6 | 0 13 | 21 58 | 0 0 | 14 15 | 0 38 | 9 13 | 17 10 | 20 54 | 20 36 | 21 33 | 17 17 | 4 13 |
| T 27 | 22 13 | 17 35 | 3 57 | 22 29 | 0 50 | 24 32 | 1 0 | 15 50 | 1 19 | 23 35 | 0 2 | 23 6 | 0 13 | 21 58 | 0 0 | 14 16 | 0 38 | 9 13 | 17 10 | 20 56 | 20 37 | 21 33 | 17 17 | 4 13 |
| W28 | 22 21 | 19 53 | 3 11 | 22 50 | 0 56 | 24 35 | 1 2 | 15 49 | 1 21 | 23 35 | 0 2 | 23 6 | 0 13 | 21 57 | 0 0 | 14 16 | 0 38 | 9 13 | 17 10 | 20 57 | 20 38 | 21 34 | 17 16 | 4 13 |
| T 29 | 22 29 | 21 17 | 2 16 | 23 10 | 1 2 | 24 37 | 1 4 | 15 49 | 1 22 | 23 35 | 0 2 | 23 5 | 0 13 | 21 57 | 0 0 | 14 16 | 0 39 | 9 12 | 17 9 | 20 58 | 20 38 | 21 34 | 17 15 | 4 13 |
| F 30 | 22s37 | 21s44 | 1n16 | 23s28 | 1s 8 | 24s39 | 1s 6 | 15n48 | 1n24 | 23s35 | 0s 2 | 23s 5 | 0n13 | 21n56 | 0n 0 | 14n16 | 0n39 | 9s12 | 17s 9 | 20n59 | 20n39 | 21s34 | 17n15 | 4s13 |

Julian Day Number = 2125328.5, Delta T = 17m21s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'19, Lahiri = 11°24'20 Julian Calendar 1 Nov. 1106 == Greg. Calendar 8 Nov. 1106


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# ASTRODIENST EPHEMERIS for the year 1106
# geocentric

## DECEMBER 1106 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 2 31 | 15♐12'56 | 24♑ 0 | 13♐42 | 2♑30 | 8°R40 | 0♑25 | 8♑24 | 9°R11 | 23°R46 | 16°R47 | 26°D19 | 28♋ 0 | 14♑16 | 5°R53 | S 1 |
| S 2 | 5 6 28 | 16°14'07 | 5♒46 | 15°17 | 3°45 | 8♉36 | 0°38 | 8°30 | 9♊ 9 | 23♎46 | 16♈47 | 26♋20 | 27°57 | 14°23 | 5♊50 | S 2 |
| M 3 | 5 10 24 | 17°15'17 | 17°36 | 16°52 | 5° 0 | 8°33 | 0°52 | 8°37 | 9° 6 | 23°45 | 16°46 | 26°21 | 27°54 | 14°29 | 5°46 | M 3 |
| T 4 | 5 14 21 | 18°16'28 | 29°34 | 18°27 | 6°16 | 8°30 | 1° 6 | 8°44 | 9° 4 | 23°45 | 16°46 | 26°23 | 27°51 | 14°36 | 5°43 | T 4 |
| W 5 | 5 18 18 | 19°17'39 | 11♓45 | 20° 3 | 7°31 | 8°29 | 1°20 | 8°51 | 9° 1 | 23°44 | 16°45 | 26°24 | 27°48 | 14°43 | 5°39 | W 5 |
| T 6 | 5 22 14 | 20°18'50 | 24°14 | 21°38 | 8°46 | 8°28 | 1°34 | 8°58 | 8°58 | 23°44 | 16°45 | 26°R25 | 27°45 | 14°49 | 5°36 | T 6 |
| F 7 | 5 26 11 | 21°20'02 | 7♈ 5 | 23°14 | 10° 1 | 8°D28 | 1°47 | 9° 5 | 8°56 | 23°43 | 16°45 | 26°23 | 27°41 | 14°56 | 5°32 | F 7 |
| S 8 | 5 30 7 | 22°21'13 | 20°24 | 24°51 | 11°16 | 8°29 | 2° 1 | 9°11 | 8°54 | 23°43 | 16°44 | 26°20 | 27°38 | 15° 2 | 5°29 | S 8 |
| S 9 | 5 34 4 | 23°22'23 | 4♉11 | 26°27 | 12°31 | 8°30 | 2°15 | 9°18 | 8°51 | 23°42 | 16°44 | 26°16 | 27°35 | 15° 9 | 5°25 | S 9 |
| M10 | 5 38 0 | 24°23'34 | 18°27 | 28° 4 | 13°46 | 8°32 | 2°29 | 9°25 | 8°49 | 23°41 | 16°43 | 26°11 | 27°32 | 15°16 | 5°22 | M10 |
| T 11 | 5 41 57 | 25°24'45 | 3♊ 8 | 29°41 | 15° 1 | 8°35 | 2°43 | 9°32 | 8°46 | 23°41 | 16°43 | 26° 7 | 27°29 | 15°22 | 5°19 | T 11 |
| W12 | 5 45 53 | 26°25'56 | 18° 9 | 1♑18 | 16°16 | 8°39 | 2°57 | 9°39 | 8°44 | 23°40 | 16°43 | 26° 2 | 27°25 | 15°29 | 5°15 | W12 |
| T 13 | 5 49 50 | 27°27'07 | 3♋19 | 2°56 | 17°31 | 8°44 | 3°11 | 9°46 | 8°41 | 23°39 | 16°43 | 25°59 | 27°22 | 15°36 | 5°12 | T 13 |
| F 14 | 5 53 47 | 28°28'18 | 18°31 | 4°34 | 18°46 | 8°49 | 3°25 | 9°53 | 8°39 | 23°38 | 16°42 | 25°58 | 27°19 | 15°42 | 5° 9 | F 14 |
| S 15 | 5 57 43 | 29°29'29 | 3♌33 | 6°12 | 20° 1 | 8°55 | 3°39 | 10° 0 | 8°37 | 23°38 | 16°42 | 25°D58 | 27°16 | 15°49 | 5° 6 | S 15 |
| S 16 | 6 1 40 | 0♑30'41 | 18°18 | 7°50 | 21°16 | 9° 1 | 3°53 | 10° 7 | 8°34 | 23°37 | 16°42 | 25°59 | 27°13 | 15°56 | 5° 2 | S 16 |
| M17 | 6 5 36 | 1°31'52 | 2♍42 | 9°29 | 22°31 | 9° 9 | 4° 7 | 10°14 | 8°32 | 23°36 | 16°42 | 26° 1 | 27°10 | 16° 2 | 4°59 | M17 |
| T 18 | 6 9 33 | 2°33'03 | 16°41 | 11° 8 | 23°46 | 9°16 | 4°21 | 10°21 | 8°30 | 23°35 | 16°41 | 26° 2 | 27° 6 | 16° 9 | 4°56 | T 18 |
| W19 | 6 13 29 | 3°34'15 | 0♎16 | 12°47 | 25° 1 | 9°25 | 4°35 | 10°29 | 8°27 | 23°34 | 16°41 | 26°R 3 | 27° 3 | 16°16 | 4°53 | W19 |
| T 20 | 6 17 26 | 4°35'26 | 13°28 | 14°26 | 26°16 | 9°34 | 4°49 | 10°36 | 8°25 | 23°33 | 16°41 | 26° 2 | 27° 0 | 16°22 | 4°50 | T 20 |
| F 21 | 6 21 22 | 5°36'38 | 26°19 | 16° 6 | 27°30 | 9°44 | 5° 3 | 10°43 | 8°23 | 23°32 | 16°41 | 26° 1 | 26°57 | 16°29 | 4°47 | F 21 |
| S 22 | 6 25 19 | 6°37'49 | 8♏54 | 17°45 | 28°45 | 9°55 | 5°17 | 10°50 | 8°21 | 23°31 | 16°41 | 25°59 | 26°54 | 16°36 | 4°44 | S 22 |
| S 23 | 6 29 16 | 7°39'00 | 21°14 | 19°24 | 0♒ 0 | 10° 6 | 5°31 | 10°57 | 8°19 | 23°30 | 16°41 | 25°56 | 26°51 | 16°42 | 4°41 | S 23 |
| M24 | 6 33 12 | 8°40'12 | 3♐23 | 21° 3 | 1°15 | 10°17 | 5°45 | 11° 4 | 8°17 | 23°29 | 16°41 | 25°53 | 26°47 | 16°49 | 4°38 | M24 |
| T 25 | 6 37 9 | 9°41'23 | 15°23 | 22°42 | 2°30 | 10°29 | 5°59 | 11°11 | 8°14 | 23°28 | 16°D41 | 25°50 | 26°44 | 16°55 | 4°36 | T 25 |
| W26 | 6 41 5 | 10°42'34 | 27°17 | 24°20 | 3°45 | 10°42 | 6°13 | 11°18 | 8°12 | 23°27 | 16°41 | 25°48 | 26°41 | 17° 2 | 4°33 | W26 |
| T 27 | 6 45 2 | 11°43'44 | 9♑ 7 | 25°58 | 4°59 | 10°56 | 6°27 | 11°25 | 8°10 | 23°26 | 16°41 | 25°47 | 26°38 | 17° 9 | 4°30 | T 27 |
| F 28 | 6 48 58 | 12°44'54 | 20°54 | 27°34 | 6°14 | 11° 9 | 6°41 | 11°32 | 8° 8 | 23°25 | 16°41 | 25°D46 | 26°35 | 17°15 | 4°28 | F 28 |
| S 29 | 6 52 55 | 13°46'03 | 2♒42 | 29°10 | 7°29 | 11°24 | 6°55 | 11°40 | 8° 6 | 23°23 | 16°41 | 25°46 | 26°31 | 17°22 | 4°25 | S 29 |
| S 30 | 6 56 51 | 14°47'11 | 14°31 | 0♒44 | 8°44 | 11°39 | 7° 9 | 11°47 | 8° 4 | 23°22 | 16°41 | 25°47 | 26°28 | 17°29 | 4°22 | S 30 |
| M31 | 7 0 48 | 15♑48'19 | 26♒25 | 2♒16 | 9♒58 | 11♉54 | 7♑23 | 11♑54 | 8♊ 3 | 23♎21 | 16♈41 | 25♋48 | 26♋25 | 17♑35 | 4♊20 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s44 | 21s12 | 0n13 | 23s46 | 1s13 | 24s40 | 1s 8 | 15n48 | 1n25 | 23s35 | 0s 2 | 23s 5 | 0n13 | 21n56 | 0n 0 | 14n16 | 0n39 | 9s12 | 17s 9 | 20n59 | 20n40 | 21s34 | 17n14 | 4s13 |
| S 2 | 22 50 | 19 45 | 0s51 | 24 2 | 1 18 | 24 40 | 1 10 | 15 48 | 1 27 | 23 35 | 0 2 | 23 4 | 0 13 | 21 56 | 0 0 | 14 16 | 0 39 | 9 12 | 17 8 | 20 59 | 20 40 | 21 34 | 17 13 | 4 13 |
| M 3 | 22 56 | 17 26 | 1 53 | 24 17 | 1 24 | 24 39 | 1 12 | 15 49 | 1 28 | 23 36 | 0 2 | 23 4 | 0 12 | 21 55 | 0 0 | 14 16 | 0 39 | 9 12 | 17 8 | 20 59 | 20 41 | 21 34 | 17 13 | 4 13 |
| T 4 | 23 2 | 14 21 | 2 51 | 24 31 | 1 28 | 24 38 | 1 13 | 15 49 | 1 30 | 23 36 | 0 3 | 23 4 | 0 12 | 21 55 | 0 0 | 14 17 | 0 39 | 9 12 | 17 8 | 20 59 | 20 41 | 21 34 | 17 12 | 4 13 |
| W 5 | 23 7 | 10 37 | 3 43 | 24 43 | 1 33 | 24 35 | 1 15 | 15 50 | 1 31 | 23 35 | 0 3 | 23 3 | 0 12 | 21 55 | 0 0 | 14 17 | 0 39 | 9 12 | 17 8 | 20 58 | 20 42 | 21 35 | 17 11 | 4 14 |
| T 6 | 23 12 | 6 21 | 4 25 | 24 55 | 1 37 | 24 32 | 1 17 | 15 51 | 1 32 | 23 35 | 0 3 | 23 3 | 0 12 | 21 54 | 0 0 | 14 17 | 0 39 | 9 12 | 17 7 | 20 58 | 20 43 | 21 35 | 17 11 | 4 14 |
| F 7 | 23 16 | 1 42 | 4 55 | 25 4 | 1 42 | 24 28 | 1 18 | 15 52 | 1 33 | 23 35 | 0 3 | 23 2 | 0 12 | 21 54 | 0 0 | 14 17 | 0 39 | 9 11 | 17 7 | 20 59 | 20 43 | 21 35 | 17 10 | 4 14 |
| S 8 | 23 20 | 3n12 | 5 11 | 25 13 | 1 45 | 24 24 | 1 20 | 15 53 | 1 35 | 23 35 | 0 3 | 23 2 | 0 12 | 21 53 | 0 0 | 14 17 | 0 39 | 9 11 | 17 6 | 20 59 | 20 44 | 21 35 | 17 10 | 4 14 |
| S 9 | 23 23 | 8 7 | 5 10 | 25 19 | 1 49 | 24 19 | 1 21 | 15 55 | 1 36 | 23 35 | 0 3 | 23 2 | 0 12 | 21 53 | 0 0 | 14 18 | 0 39 | 9 11 | 17 6 | 21 0 | 20 45 | 21 35 | 17 9 | 4 14 |
| M10 | 23 26 | 12 45 | 4 50 | 25 25 | 1 52 | 24 12 | 1 23 | 15 57 | 1 37 | 23 35 | 0 3 | 23 1 | 0 12 | 21 53 | 0 0 | 14 18 | 0 39 | 9 11 | 17 6 | 21 1 | 20 45 | 21 35 | 17 8 | 4 14 |
| T 11 | 23 28 | 16 47 | 4 10 | 25 29 | 1 56 | 24 6 | 1 24 | 15 58 | 1 38 | 23 35 | 0 3 | 23 1 | 0 12 | 21 52 | 0 0 | 14 18 | 0 39 | 9 11 | 17 5 | 21 2 | 20 46 | 21 35 | 17 8 | 4 14 |
| W12 | 23 30 | 19 49 | 3 13 | 25 31 | 1 58 | 23 58 | 1 25 | 16 1 | 1 39 | 23 35 | 0 3 | 23 0 | 0 12 | 21 52 | 0 0 | 14 18 | 0 39 | 9 11 | 17 5 | 21 2 | 20 47 | 21 35 | 17 7 | 4 14 |
| T 13 | 23 32 | 21 29 | 2 1 | 25 32 | 2 1 | 23 50 | 1 27 | 16 3 | 1 40 | 23 34 | 0 3 | 23 0 | 0 12 | 21 52 | 0 0 | 14 19 | 0 39 | 9 10 | 17 5 | 21 3 | 20 47 | 21 35 | 17 7 | 4 14 |
| F 14 | 23 33 | 21 36 | 0 41 | 25 31 | 2 3 | 23 41 | 1 28 | 16 6 | 1 41 | 23 34 | 0 4 | 22 59 | 0 12 | 21 51 | 0 0 | 14 19 | 0 39 | 9 10 | 17 4 | 21 3 | 20 48 | 21 36 | 17 6 | 4 14 |
| S 15 | 23 33 | 20 8 | 0n42 | 25 29 | 2 5 | 23 31 | 1 29 | 16 8 | 1 41 | 23 34 | 0 4 | 22 59 | 0 12 | 21 51 | 0 0 | 14 19 | 0 39 | 9 10 | 17 4 | 21 3 | 20 48 | 21 36 | 17 6 | 4 13 |
| S 16 | 23 33 | 17 19 | 2 0 | 25 25 | 2 6 | 23 21 | 1 30 | 16 11 | 1 42 | 23 34 | 0 4 | 22 59 | 0 11 | 21 51 | 0 0 | 14 20 | 0 39 | 9 10 | 17 4 | 21 3 | 20 49 | 21 36 | 17 5 | 4 13 |
| M17 | 23 33 | 13 30 | 3 9 | 25 19 | 2 7 | 23 9 | 1 31 | 16 14 | 1 43 | 23 33 | 0 4 | 22 58 | 0 11 | 21 50 | 0 0 | 14 20 | 0 39 | 9 9 | 17 3 | 21 3 | 20 50 | 21 36 | 17 5 | 4 13 |
| T 18 | 23 32 | 9 2 | 4 4 | 25 12 | 2 7 | 22 58 | 1 32 | 16 18 | 1 44 | 23 33 | 0 4 | 22 58 | 0 11 | 21 50 | 0 0 | 14 20 | 0 39 | 9 9 | 17 3 | 21 3 | 20 50 | 21 36 | 17 4 | 4 13 |
| W19 | 23 30 | 4 14 | 4 44 | 25 3 | 2 7 | 22 45 | 1 33 | 16 21 | 1 45 | 23 32 | 0 4 | 22 57 | 0 11 | 21 49 | 0 0 | 14 21 | 0 39 | 9 9 | 17 3 | 21 2 | 20 51 | 21 36 | 17 4 | 4 13 |
| T 20 | 23 28 | 0s36 | 5 8 | 24 52 | 2 7 | 22 32 | 1 34 | 16 25 | 1 45 | 23 32 | 0 4 | 22 57 | 0 11 | 21 49 | 0 0 | 14 21 | 0 39 | 9 9 | 17 2 | 21 2 | 20 51 | 21 36 | 17 3 | 4 13 |
| F 21 | 23 26 | 5 18 | 5 16 | 24 40 | 2 6 | 22 18 | 1 34 | 16 28 | 1 46 | 23 32 | 0 4 | 22 56 | 0 11 | 21 49 | 0 0 | 14 21 | 0 39 | 9 8 | 17 2 | 21 3 | 20 52 | 21 36 | 17 3 | 4 13 |
| S 22 | 23 23 | 9 40 | 5 8 | 24 26 | 2 5 | 22 3 | 1 35 | 16 32 | 1 46 | 23 31 | 0 4 | 22 56 | 0 11 | 21 48 | 0 0 | 14 22 | 0 39 | 9 8 | 17 2 | 21 3 | 20 53 | 21 36 | 17 2 | 4 13 |
| S 23 | 23 20 | 13 33 | 4 46 | 24 10 | 2 3 | 21 48 | 1 36 | 16 36 | 1 47 | 23 31 | 0 4 | 22 55 | 0 11 | 21 48 | 0 0 | 14 22 | 0 39 | 9 8 | 17 1 | 21 4 | 20 53 | 21 36 | 17 2 | 4 13 |
| M24 | 23 16 | 16 50 | 4 11 | 23 52 | 2 0 | 21 32 | 1 36 | 16 41 | 1 48 | 23 30 | 0 5 | 22 55 | 0 11 | 21 48 | 0 0 | 14 22 | 0 39 | 9 7 | 17 1 | 21 4 | 20 54 | 21 36 | 17 1 | 4 13 |
| T 25 | 23 12 | 19 21 | 3 25 | 23 33 | 1 57 | 21 16 | 1 37 | 16 45 | 1 48 | 23 30 | 0 5 | 22 54 | 0 11 | 21 47 | 0 0 | 14 23 | 0 39 | 9 7 | 17 0 | 21 5 | 20 55 | 21 36 | 17 1 | 4 13 |
| W26 | 23 7 | 21 0 | 2 31 | 23 12 | 1 53 | 20 59 | 1 37 | 16 49 | 1 49 | 23 29 | 0 5 | 22 54 | 0 11 | 21 47 | 0 0 | 14 23 | 0 39 | 9 7 | 17 0 | 21 5 | 20 55 | 21 36 | 17 0 | 4 13 |
| T 27 | 23 2 | 21 43 | 1 31 | 22 50 | 1 48 | 20 41 | 1 37 | 16 54 | 1 49 | 23 29 | 0 5 | 22 53 | 0 11 | 21 47 | 0 0 | 14 24 | 0 39 | 9 6 | 17 0 | 21 5 | 20 56 | 21 36 | 17 0 | 4 13 |
| F 28 | 22 56 | 21 29 | 0 27 | 22 26 | 1 43 | 20 23 | 1 38 | 16 59 | 1 50 | 23 28 | 0 5 | 22 52 | 0 11 | 21 47 | 0 0 | 14 24 | 0 39 | 9 6 | 16 59 | 21 6 | 20 56 | 21 36 | 17 0 | 4 13 |
| S 29 | 22 50 | 20 16 | 0s38 | 22 0 | 1 37 | 20 4 | 1 38 | 17 4 | 1 50 | 23 27 | 0 5 | 22 52 | 0 10 | 21 46 | 0 0 | 14 24 | 0 39 | 9 6 | 16 59 | 21 6 | 20 57 | 21 36 | 16 59 | 4 12 |
| S 30 | 22 44 | 18 11 | 1 42 | 21 34 | 1 30 | 19 44 | 1 38 | 17 9 | 1 50 | 23 27 | 0 5 | 22 51 | 0 10 | 21 46 | 0 0 | 14 25 | 0 39 | 9 5 | 16 59 | 21 5 | 20 58 | 21 36 | 16 59 | 4 12 |
| M31 | 22s37 | 15s19 | 2s42 | 21s 6 | 1s23 | 19s24 | 1s38 | 17n14 | 1n51 | 23s26 | 0s 5 | 22s51 | 0n10 | 21n46 | 0n 0 | 14n25 | 0n39 | 9s 5 | 16s58 | 21n 5 | 20n58 | 21s36 | 16n59 | 4s12 |

Julian Day Number = 2125358.5, Delta T = 17m20s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'23, Lahiri = 11°24'24 Julian Calendar 1 Dec. 1106 == Greg. Calendar 8 Dec. 1106


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## JANUARY 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 4 45 | 16♑49'25 | 8♓27 | 3♒45 | 11♒13 | 12♉10 | 7♑37 | 12♑ 1 | 8°R 1 | 23°R20 | 16♈41 | 25♋49 | 26♋22 | 17♑42 | 4°R18 | T 1 |
| W 2 | 7 8 41 | 17°50'31 | 20°40 | 5°12 | 12°28 | 12°27 | 7°51 | 12° 8 | 7♊59 | 23♌18 | 16°42 | 25°50 | 26°19 | 17°49 | 4♊15 | W 2 |
| T 3 | 7 12 38 | 18°51'36 | 3♈ 9 | 6°36 | 13°42 | 12°44 | 8° 5 | 12°15 | 7°57 | 23°17 | 16°42 | 25°50 | 26°16 | 17°55 | 4°13 | T 3 |
| F 4 | 7 16 34 | 19°52'40 | 15°56 | 7°56 | 14°57 | 13° 1 | 8°19 | 12°22 | 7°55 | 23°16 | 16°42 | 25°R50 | 26°12 | 18° 2 | 4°11 | F 4 |
| S 5 | 7 20 31 | 20°53'42 | 29° 7 | 9°11 | 16°11 | 13°19 | 8°33 | 12°29 | 7°54 | 23°14 | 16°42 | 25°50 | 26° 9 | 18° 9 | 4° 9 | S 5 |
| S 6 | 7 24 27 | 21°54'44 | 12♉42 | 10°21 | 17°26 | 13°37 | 8°46 | 12°36 | 7°52 | 23°13 | 16°42 | 25°50 | 26° 6 | 18°15 | 4° 6 | S 6 |
| M 7 | 7 28 24 | 22°55'44 | 26°44 | 11°25 | 18°40 | 13°56 | 9° 0 | 12°43 | 7°50 | 23°12 | 16°43 | 25°50 | 26° 3 | 18°22 | 4° 4 | M 7 |
| T 8 | 7 32 20 | 23°56'43 | 11♊12 | 12°22 | 19°55 | 14°15 | 9°14 | 12°50 | 7°49 | 23°10 | 16°43 | 25°50 | 26° 0 | 18°29 | 4° 3 | T 8 |
| W 9 | 7 36 17 | 24°57'41 | 26° 3 | 13°12 | 21° 9 | 14°34 | 9°28 | 12°57 | 7°47 | 23° 9 | 16°43 | 25°49 | 25°57 | 18°35 | 4° 1 | W 9 |
| T 10 | 7 40 14 | 25°58'38 | 11♋ 9 | 13°52 | 22°24 | 14°54 | 9°42 | 13° 4 | 7°46 | 23° 7 | 16°44 | 25°D49 | 25°53 | 18°42 | 3°59 | T 10 |
| F 11 | 7 44 10 | 26°59'34 | 26°23 | 14°24 | 23°38 | 15°15 | 9°55 | 13°11 | 7°44 | 23° 6 | 16°44 | 25°R49 | 25°50 | 18°49 | 3°57 | F 11 |
| S 12 | 7 48 7 | 28° 0'28 | 11♌35 | 14°45 | 24°52 | 15°35 | 10° 9 | 13°18 | 7°43 | 23° 4 | 16°44 | 25°49 | 25°47 | 18°55 | 3°55 | S 12 |
| S 13 | 7 52 3 | 29° 1'22 | 26°35 | 14°R56 | 26° 6 | 15°56 | 10°23 | 13°25 | 7°42 | 23° 3 | 16°45 | 25°49 | 25°44 | 19° 2 | 3°54 | S 13 |
| M14 | 7 56 0 | 0♒ 2'15 | 11♍15 | 14°56 | 27°21 | 16°18 | 10°36 | 13°32 | 7°40 | 23° 1 | 16°45 | 25°49 | 25°41 | 19° 8 | 3°52 | M14 |
| T 15 | 7 59 56 | 1° 3'06 | 25°30 | 14°45 | 28°35 | 16°39 | 10°50 | 13°39 | 7°39 | 23° 0 | 16°46 | 25°48 | 25°37 | 19°15 | 3°51 | T 15 |
| W16 | 8 3 53 | 2° 3'57 | 9♎18 | 14°23 | 29°49 | 17° 1 | 11° 4 | 13°46 | 7°38 | 22°58 | 16°46 | 25°48 | 25°34 | 19°22 | 3°49 | W16 |
| T 17 | 8 7 49 | 3° 4'46 | 22°38 | 13°50 | 1♓ 3 | 17°24 | 11°17 | 13°53 | 7°37 | 22°57 | 16°47 | 25°47 | 25°31 | 19°28 | 3°48 | T 17 |
| F 18 | 8 11 46 | 4° 5'35 | 5♏33 | 13° 7 | 2°17 | 17°46 | 11°31 | 14° 0 | 7°36 | 22°55 | 16°47 | 25°D47 | 25°28 | 19°35 | 3°47 | F 18 |
| S 19 | 8 15 43 | 5° 6'23 | 18° 6 | 12°15 | 3°31 | 18° 9 | 11°44 | 14° 7 | 7°35 | 22°54 | 16°48 | 25°47 | 25°25 | 19°42 | 3°46 | S 19 |
| S 20 | 8 19 39 | 6° 7'09 | 0♐22 | 11°16 | 4°45 | 18°33 | 11°58 | 14°13 | 7°34 | 22°52 | 16°48 | 25°48 | 25°22 | 19°48 | 3°44 | S 20 |
| M21 | 8 23 36 | 7° 7'55 | 12°24 | 10°12 | 5°59 | 18°56 | 12°11 | 14°20 | 7°33 | 22°51 | 16°49 | 25°49 | 25°18 | 19°55 | 3°43 | M21 |
| T 22 | 8 27 32 | 8° 8'39 | 24°17 | 9° 3 | 7°13 | 19°20 | 12°24 | 14°27 | 7°32 | 22°49 | 16°49 | 25°50 | 25°15 | 20° 2 | 3°42 | T 22 |
| W23 | 8 31 29 | 9° 9'22 | 6♑ 6 | 7°53 | 8°27 | 19°44 | 12°38 | 14°34 | 7°31 | 22°47 | 16°50 | 25°52 | 25°12 | 20° 8 | 3°42 | W23 |
| T 24 | 8 35 25 | 10°10'04 | 17°52 | 6°42 | 9°41 | 20° 9 | 12°51 | 14°40 | 7°30 | 22°46 | 16°51 | 25°52 | 25° 9 | 20°15 | 3°41 | T 24 |
| F 25 | 8 39 22 | 11°10'45 | 29°39 | 5°34 | 10°55 | 20°34 | 13° 4 | 14°47 | 7°29 | 22°44 | 16°51 | 25°R52 | 25° 6 | 20°22 | 3°40 | F 25 |
| S 26 | 8 43 18 | 12°11'24 | 11♒30 | 4°29 | 12° 8 | 20°59 | 13°17 | 14°53 | 7°29 | 22°42 | 16°52 | 25°52 | 25° 3 | 20°28 | 3°39 | S 26 |
| S 27 | 8 47 15 | 13°12'02 | 23°27 | 3°28 | 13°22 | 21°24 | 13°31 | 15° 0 | 7°28 | 22°41 | 16°53 | 25°50 | 24°59 | 20°35 | 3°39 | S 27 |
| M28 | 8 51 12 | 14°12'37 | 5♓31 | 2°34 | 14°36 | 21°49 | 13°44 | 15° 7 | 7°27 | 22°39 | 16°53 | 25°48 | 24°56 | 20°41 | 3°38 | M28 |
| T 29 | 8 55 8 | 15°13'12 | 17°44 | 1°46 | 15°49 | 22°15 | 13°57 | 15°13 | 7°27 | 22°38 | 16°54 | 25°45 | 24°53 | 20°48 | 3°38 | T 29 |
| W30 | 8 59 5 | 16°13'44 | 0♈ 9 | 1° 6 | 17° 3 | 22°41 | 14°10 | 15°20 | 7°26 | 22°36 | 16°55 | 25°41 | 24°50 | 20°55 | 3°37 | W30 |
| T 31 | 9 3 1 | 17♒14'15 | 12♈46 | 0♒33 | 18♓16 | 23♉ 7 | 14♑23 | 15♑26 | 7♊26 | 22♌34 | 16♈56 | 25♋38 | 24♋47 | 21♑ 1 | 3♊37 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s29 | 11s46 | 3s36 | 20s36 | 1s14 | 19s 4 | 1s38 | 17n19 | 1n51 | 23s25 | 0s 5 | 22s50 | 0n10 | 21n45 | 0n 0 | 14n26 | 0n39 | 9s 4 | 16s58 | 21n 5 | 20n59 | 21s36 | 16n58 | 4s12 |
| W 2 | 22 21 | 7 42 | 4 20 | 20 6 | 1 5 | 18 43 | 1 38 | 17 25 | 1 51 | 23 25 | 0 5 | 22 50 | 0 10 | 21 45 | 0 0 | 14 26 | 0 40 | 9 4 | 16 58 | 21 5 | 20 59 | 21 36 | 16 58 | 4 12 |
| T 3 | 22 13 | 3 14 | 4 54 | 19 35 | 0 55 | 18 21 | 1 38 | 17 30 | 1 52 | 23 24 | 0 6 | 22 49 | 0 10 | 21 45 | 0 0 | 14 27 | 0 40 | 9 4 | 16 57 | 21 5 | 21 0 | 21 36 | 16 58 | 4 12 |
| F 4 | 22 4 | 1n29 | 5 13 | 19 4 | 0 43 | 17 59 | 1 37 | 17 36 | 1 52 | 23 23 | 0 6 | 22 49 | 0 10 | 21 45 | 0 0 | 14 27 | 0 40 | 9 3 | 16 57 | 21 5 | 21 1 | 21 36 | 16 58 | 4 12 |
| S 5 | 21 55 | 6 15 | 5 18 | 18 33 | 0 31 | 17 36 | 1 37 | 17 42 | 1 52 | 23 22 | 0 6 | 22 48 | 0 10 | 21 44 | 0 0 | 14 28 | 0 40 | 9 3 | 16 56 | 21 5 | 21 1 | 21 36 | 16 57 | 4 12 |
| S 6 | 21 46 | 10 53 | 5 5 | 18 1 | 0 18 | 17 13 | 1 37 | 17 47 | 1 52 | 23 22 | 0 6 | 22 47 | 0 10 | 21 44 | 0 0 | 14 28 | 0 40 | 9 2 | 16 56 | 21 5 | 21 2 | 21 36 | 16 57 | 4 11 |
| M 7 | 21 36 | 15 5 | 4 33 | 17 30 | 0 4 | 16 49 | 1 36 | 17 53 | 1 53 | 23 21 | 0 6 | 22 47 | 0 10 | 21 44 | 0 0 | 14 29 | 0 40 | 9 2 | 16 56 | 21 5 | 21 2 | 21 36 | 16 57 | 4 11 |
| T 8 | 21 25 | 18 32 | 3 44 | 17 0 | 0n11 | 16 25 | 1 36 | 17 59 | 1 53 | 23 20 | 0 6 | 22 46 | 0 10 | 21 43 | 0 0 | 14 29 | 0 40 | 9 1 | 16 55 | 21 5 | 21 3 | 21 36 | 16 57 | 4 11 |
| W 9 | 21 14 | 20 51 | 2 38 | 16 31 | 0 26 | 16 1 | 1 35 | 18 5 | 1 53 | 23 19 | 0 6 | 22 46 | 0 10 | 21 43 | 0 0 | 14 29 | 0 40 | 9 1 | 16 55 | 21 5 | 21 4 | 21 36 | 16 56 | 4 11 |
| T 10 | 21 3 | 21 44 | 1 21 | 16 4 | 0 43 | 15 36 | 1 34 | 18 11 | 1 53 | 23 18 | 0 6 | 22 45 | 0 10 | 21 43 | 0 0 | 14 30 | 0 40 | 9 1 | 16 55 | 21 5 | 21 4 | 21 36 | 16 56 | 4 11 |
| F 11 | 20 52 | 21 2 | 0n 3 | 15 38 | 1 0 | 15 11 | 1 34 | 18 17 | 1 53 | 23 17 | 0 6 | 22 44 | 0 10 | 21 43 | 0 0 | 14 30 | 0 40 | 9 0 | 16 54 | 21 5 | 21 5 | 21 36 | 16 56 | 4 11 |
| S 12 | 20 40 | 18 47 | 1 27 | 15 15 | 1 17 | 14 45 | 1 33 | 18 24 | 1 54 | 23 16 | 0 6 | 22 44 | 0 9 | 21 43 | 0 1 | 14 31 | 0 40 | 9 0 | 16 54 | 21 5 | 21 5 | 21 36 | 16 56 | 4 11 |
| S 13 | 20 27 | 15 16 | 2 43 | 14 55 | 1 35 | 14 19 | 1 32 | 18 30 | 1 54 | 23 15 | 0 7 | 22 43 | 0 9 | 21 42 | 0 1 | 14 31 | 0 40 | 8 59 | 16 54 | 21 5 | 21 6 | 21 36 | 16 56 | 4 10 |
| M14 | 20 14 | 10 52 | 3 47 | 14 39 | 1 52 | 13 52 | 1 31 | 18 36 | 1 54 | 23 14 | 0 7 | 22 42 | 0 9 | 21 42 | 0 1 | 14 32 | 0 40 | 8 59 | 16 53 | 21 5 | 21 7 | 21 36 | 16 56 | 4 10 |
| T 15 | 20 1 | 6 0 | 4 35 | 14 25 | 2 10 | 13 25 | 1 30 | 18 43 | 1 54 | 23 13 | 0 7 | 22 42 | 0 9 | 21 42 | 0 1 | 14 33 | 0 40 | 8 58 | 16 53 | 21 5 | 21 7 | 21 36 | 16 56 | 4 10 |
| W16 | 19 48 | 0 58 | 5 5 | 14 16 | 2 26 | 12 58 | 1 29 | 18 49 | 1 54 | 23 12 | 0 7 | 22 41 | 0 9 | 21 42 | 0 1 | 14 33 | 0 40 | 8 58 | 16 52 | 21 5 | 21 8 | 21 36 | 16 55 | 4 10 |
| T 17 | 19 34 | 3s56 | 5 18 | 14 10 | 2 42 | 12 31 | 1 27 | 18 56 | 1 54 | 23 11 | 0 7 | 22 40 | 0 9 | 21 42 | 0 1 | 14 34 | 0 40 | 8 57 | 16 52 | 21 5 | 21 8 | 21 36 | 16 55 | 4 10 |
| F 18 | 19 20 | 8 30 | 5 13 | 14 8 | 2 57 | 12 3 | 1 26 | 19 2 | 1 54 | 23 10 | 0 7 | 22 40 | 0 9 | 21 41 | 0 1 | 14 34 | 0 40 | 8 57 | 16 52 | 21 5 | 21 9 | 21 36 | 16 55 | 4 9 |
| S 19 | 19 5 | 12 35 | 4 54 | 14 10 | 3 10 | 11 35 | 1 25 | 19 9 | 1 54 | 23 9 | 0 7 | 22 39 | 0 9 | 21 41 | 0 1 | 14 35 | 0 40 | 8 56 | 16 51 | 21 5 | 21 9 | 21 36 | 16 55 | 4 9 |
| S 20 | 18 50 | 16 3 | 4 22 | 14 15 | 3 21 | 11 6 | 1 23 | 19 15 | 1 54 | 23 8 | 0 7 | 22 39 | 0 9 | 21 41 | 0 1 | 14 35 | 0 40 | 8 56 | 16 51 | 21 5 | 21 10 | 21 35 | 16 55 | 4 9 |
| M21 | 18 35 | 18 46 | 3 39 | 14 24 | 3 31 | 10 37 | 1 22 | 19 22 | 1 54 | 23 7 | 0 7 | 22 38 | 0 9 | 21 41 | 0 1 | 14 36 | 0 40 | 8 55 | 16 51 | 21 5 | 21 11 | 21 35 | 16 55 | 4 9 |
| T 22 | 18 19 | 20 39 | 2 47 | 14 35 | 3 38 | 10 8 | 1 20 | 19 29 | 1 54 | 23 6 | 0 8 | 22 37 | 0 9 | 21 41 | 0 1 | 14 36 | 0 40 | 8 55 | 16 50 | 21 5 | 21 11 | 21 35 | 16 55 | 4 9 |
| W23 | 18 3 | 21 37 | 1 48 | 14 48 | 3 42 | 9 39 | 1 19 | 19 35 | 1 54 | 23 5 | 0 8 | 22 37 | 0 9 | 21 41 | 0 1 | 14 37 | 0 40 | 8 54 | 16 50 | 21 5 | 21 12 | 21 35 | 16 55 | 4 9 |
| T 24 | 17 47 | 21 37 | 0 44 | 15 4 | 3 44 | 9 10 | 1 17 | 19 42 | 1 54 | 23 4 | 0 8 | 22 36 | 0 9 | 21 41 | 0 1 | 14 37 | 0 40 | 8 53 | 16 50 | 21 4 | 21 12 | 21 35 | 16 55 | 4 8 |
| F 25 | 17 30 | 20 40 | 0s21 | 15 21 | 3 44 | 8 40 | 1 15 | 19 49 | 1 54 | 23 2 | 0 8 | 22 35 | 0 9 | 21 40 | 0 1 | 14 38 | 0 40 | 8 53 | 16 49 | 21 4 | 21 13 | 21 35 | 16 55 | 4 8 |
| S 26 | 17 13 | 18 47 | 1 26 | 15 39 | 3 42 | 8 10 | 1 13 | 19 55 | 1 54 | 23 1 | 0 8 | 22 35 | 0 9 | 21 40 | 0 1 | 14 38 | 0 40 | 8 52 | 16 49 | 21 5 | 21 14 | 21 35 | 16 56 | 4 8 |
| S 27 | 16 56 | 16 5 | 2 27 | 15 57 | 3 37 | 7 40 | 1 11 | 20 2 | 1 54 | 23 0 | 0 8 | 22 34 | 0 8 | 21 40 | 0 1 | 14 39 | 0 40 | 8 52 | 16 49 | 21 5 | 21 14 | 21 35 | 16 56 | 4 8 |
| M28 | 16 39 | 12 40 | 3 22 | 16 15 | 3 31 | 7 9 | 1 9 | 20 9 | 1 54 | 22 59 | 0 8 | 22 33 | 0 8 | 21 40 | 0 1 | 14 40 | 0 40 | 8 51 | 16 48 | 21 5 | 21 15 | 21 35 | 16 56 | 4 8 |
| T 29 | 16 21 | 8 41 | 4 9 | 16 33 | 3 23 | 6 39 | 1 7 | 20 15 | 1 54 | 22 58 | 0 8 | 22 33 | 0 8 | 21 40 | 0 1 | 14 40 | 0 40 | 8 51 | 16 48 | 21 6 | 21 15 | 21 34 | 16 56 | 4 7 |
| W30 | 16 3 | 4 17 | 4 45 | 16 51 | 3 14 | 6 8 | 1 5 | 20 22 | 1 54 | 22 56 | 0 8 | 22 32 | 0 8 | 21 40 | 0 1 | 14 41 | 0 40 | 8 50 | 16 48 | 21 6 | 21 16 | 21 34 | 16 56 | 4 7 |
| T 31 | 15s45 | 0n21 | 5s 7 | 17s 8 | 3n 4 | 5s37 | 1s 3 | 20n29 | 1n54 | 22s55 | 0s 9 | 22s31 | 0n 8 | 21n40 | 0n 1 | 14n41 | 0n40 | 8s50 | 16s47 | 21n 7 | 21n16 | 21s34 | 16n56 | 4s 7 |

Julian Day Number = 2125389.5, Delta T = 17m20s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'28, Lahiri = 11°24'28 Julian Calendar 1 Jan. 1107 == Greg. Calendar 8 Jan. 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## FEBRUARY 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 6 58 | 18♒14'43 | 25♈38 | 0°R 8 | 19♓30 | 23♉34 | 14♑35 | 15♑32 | 7°R25 | 22°R32 | 16♈56 | 25°R36 | 24♋43 | 21♑ 8 | 3°R37 | F 1 |
| S 2 | 9 10 54 | 19°15'10 | 8♉47 | 29♑50 | 20°43 | 24° 1 | 14°48 | 15°39 | 7♊25 | 22♌31 | 16°57 | 25♋34 | 24°40 | 21°15 | 3♊37 | S 2 |
| S 3 | 9 14 51 | 20°15'35 | 22°15 | 29°40 | 21°56 | 24°28 | 15° 1 | 15°45 | 7°25 | 22°29 | 16°58 | 25°D34 | 24°37 | 21°21 | 3°D37 | S 3 |
| M 4 | 9 18 47 | 21°15'58 | 6♊ 4 | 29°D36 | 23°10 | 24°55 | 15°14 | 15°51 | 7°25 | 22°27 | 16°59 | 25°34 | 24°34 | 21°28 | 3°37 | M 4 |
| T 5 | 9 22 44 | 22°16'19 | 20°14 | 29°40 | 24°23 | 25°22 | 15°26 | 15°57 | 7°24 | 22°26 | 17° 0 | 25°36 | 24°31 | 21°35 | 3°37 | T 5 |
| W 6 | 9 26 41 | 23°16'38 | 4♋44 | 29°49 | 25°36 | 25°50 | 15°39 | 16° 4 | 7°24 | 22°24 | 17° 1 | 25°37 | 24°28 | 21°41 | 3°37 | W 6 |
| T 7 | 9 30 37 | 24°16'55 | 19°31 | 0♒ 5 | 26°49 | 26°17 | 15°51 | 16°10 | 7°24 | 22°22 | 17° 2 | 25°R38 | 24°24 | 21°48 | 3°37 | T 7 |
| F 8 | 9 34 34 | 25°17'10 | 4♌28 | 0°27 | 28° 2 | 26°45 | 16° 4 | 16°16 | 7°D24 | 22°21 | 17° 2 | 25°38 | 24°21 | 21°55 | 3°38 | F 8 |
| S 9 | 9 38 30 | 26°17'23 | 19°30 | 0°53 | 29°15 | 27°13 | 16°16 | 16°22 | 7°24 | 22°19 | 17° 3 | 25°36 | 24°18 | 22° 1 | 3°38 | S 9 |
| S 10 | 9 42 27 | 27°17'34 | 4♍27 | 1°25 | 0♈28 | 27°42 | 16°28 | 16°28 | 7°24 | 22°17 | 17° 4 | 25°33 | 24°15 | 22° 8 | 3°39 | S 10 |
| M11 | 9 46 23 | 28°17'43 | 19°10 | 2° 1 | 1°41 | 28°10 | 16°41 | 16°34 | 7°24 | 22°16 | 17° 5 | 25°29 | 24°12 | 22°15 | 3°39 | M11 |
| T 12 | 9 50 20 | 29°17'50 | 3♎32 | 2°41 | 2°53 | 28°39 | 16°53 | 16°40 | 7°25 | 22°14 | 17° 6 | 25°23 | 24° 8 | 22°21 | 3°40 | T 12 |
| W13 | 9 54 16 | 0♓17'56 | 17°29 | 3°25 | 4° 6 | 29° 8 | 17° 5 | 16°45 | 7°25 | 22°12 | 17° 7 | 25°18 | 24° 5 | 22°28 | 3°41 | W13 |
| T 14 | 9 58 13 | 1°18'00 | 0♏58 | 4°13 | 5°19 | 29°37 | 17°17 | 16°51 | 7°25 | 22°11 | 17° 8 | 25°14 | 24° 2 | 22°34 | 3°42 | T 14 |
| F 15 | 10 2 10 | 2°18'02 | 14° 0 | 5° 4 | 6°31 | 0♊ 6 | 17°29 | 16°57 | 7°25 | 22° 9 | 17° 9 | 25°10 | 23°59 | 22°41 | 3°42 | F 15 |
| S 16 | 10 6 6 | 3°18'03 | 26°38 | 5°59 | 7°43 | 0°35 | 17°41 | 17° 3 | 7°26 | 22° 7 | 17°10 | 25° 9 | 23°56 | 22°48 | 3°43 | S 16 |
| S 17 | 10 10 3 | 4°18'02 | 8♐55 | 6°56 | 8°56 | 1° 4 | 17°52 | 17° 8 | 7°26 | 22° 6 | 17°11 | 25°D 8 | 23°53 | 22°54 | 3°44 | S 17 |
| M18 | 10 13 59 | 5°17'59 | 20°57 | 7°56 | 10° 8 | 1°34 | 18° 4 | 17°14 | 7°27 | 22° 4 | 17°12 | 25° 9 | 23°49 | 23° 1 | 3°45 | M18 |
| T 19 | 10 17 56 | 6°17'55 | 2♑49 | 8°59 | 11°20 | 2° 4 | 18°16 | 17°19 | 7°27 | 22° 3 | 17°14 | 25°11 | 23°46 | 23° 8 | 3°47 | T 19 |
| W20 | 10 21 52 | 7°17'49 | 14°36 | 10° 4 | 12°32 | 2°34 | 18°27 | 17°25 | 7°28 | 22° 1 | 17°15 | 25°13 | 23°43 | 23°14 | 3°48 | W20 |
| T 21 | 10 25 49 | 8°17'41 | 26°22 | 11°11 | 13°44 | 3° 4 | 18°39 | 17°30 | 7°29 | 21°59 | 17°16 | 25°R13 | 23°40 | 23°21 | 3°49 | T 21 |
| F 22 | 10 29 45 | 9°17'32 | 8♒12 | 12°21 | 14°56 | 3°34 | 18°50 | 17°35 | 7°29 | 21°58 | 17°17 | 25°12 | 23°37 | 23°28 | 3°51 | F 22 |
| S 23 | 10 33 42 | 10°17'20 | 20° 9 | 13°32 | 16° 8 | 4° 4 | 19° 1 | 17°41 | 7°30 | 21°56 | 17°18 | 25° 9 | 23°34 | 23°34 | 3°52 | S 23 |
| S 24 | 10 37 39 | 11°17'06 | 2♓15 | 14°46 | 17°20 | 4°35 | 19°12 | 17°46 | 7°31 | 21°55 | 17°19 | 25° 4 | 23°30 | 23°41 | 3°54 | S 24 |
| M25 | 10 41 35 | 12°16'51 | 14°32 | 16° 1 | 18°32 | 5° 5 | 19°24 | 17°51 | 7°32 | 21°53 | 17°20 | 24°57 | 23°27 | 23°48 | 3°55 | M25 |
| T 26 | 10 45 32 | 13°16'33 | 27° 2 | 17°19 | 19°43 | 5°36 | 19°35 | 17°56 | 7°33 | 21°51 | 17°21 | 24°48 | 23°24 | 23°54 | 3°57 | T 26 |
| W27 | 10 49 28 | 14°16'13 | 9♈44 | 18°38 | 20°55 | 6° 7 | 19°45 | 18° 1 | 7°34 | 21°50 | 17°23 | 24°39 | 23°21 | 24° 1 | 3°59 | W27 |
| T 28 | 10 53 25 | 15♓15'52 | 22♈39 | 19♒58 | 22♈ 6 | 6♊38 | 19♑56 | 18♑ 6 | 7♊35 | 21♌48 | 17♈24 | 24♋30 | 23♋18 | 24♑ 7 | 4♊ 1 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 15s26 | 5n 4 | 5s15 | 17s24 | 2n53 | 5s 6 | 1s 1 | 20n35 | 1n54 | 22s54 | 0s 9 | 22s31 | 0n 8 | 21n40 | 0n 1 | 14n42 | 0n40 | 8s49 | 16s47 | 21n 8 | 21n17 | 21s34 | 16n56 | 4s 7 | F 1 |
| S 2 | 15 7 | 9 39 | 5 7 | 17 40 | 2 41 | 4 35 | 0 58 | 20 42 | 1 54 | 22 52 | 0 9 | 22 30 | 0 8 | 21 40 | 0 1 | 14 42 | 0 40 | 8 48 | 16 47 | 21 8 | 21 18 | 21 34 | 16 56 | 4 7 | S 2 |
| S 3 | 14 48 | 13 53 | 4 42 | 17 54 | 2 29 | 4 4 | 0 56 | 20 49 | 1 54 | 22 51 | 0 9 | 22 29 | 0 8 | 21 40 | 0 1 | 14 43 | 0 40 | 8 48 | 16 47 | 21 8 | 21 18 | 21 34 | 16 57 | 4 6 | S 3 |
| M 4 | 14 29 | 17 29 | 4 0 | 18 7 | 2 16 | 3 33 | 0 53 | 20 55 | 1 54 | 22 50 | 0 9 | 22 29 | 0 8 | 21 40 | 0 1 | 14 44 | 0 40 | 8 47 | 16 46 | 21 8 | 21 19 | 21 33 | 16 57 | 4 6 | M 4 |
| T 5 | 14 9 | 20 9 | 3 3 | 18 19 | 2 3 | 3 1 | 0 51 | 21 2 | 1 53 | 22 48 | 0 9 | 22 28 | 0 8 | 21 40 | 0 1 | 14 44 | 0 40 | 8 47 | 16 46 | 21 7 | 21 19 | 21 33 | 16 57 | 4 6 | T 5 |
| W 6 | 13 49 | 21 36 | 1 52 | 18 29 | 1 50 | 2 30 | 0 48 | 21 8 | 1 53 | 22 47 | 0 9 | 22 27 | 0 8 | 21 40 | 0 1 | 14 45 | 0 40 | 8 46 | 16 46 | 21 7 | 21 20 | 21 33 | 16 57 | 4 6 | W 6 |
| T 7 | 13 29 | 21 34 | 0 34 | 18 38 | 1 37 | 1 58 | 0 46 | 21 15 | 1 53 | 22 46 | 0 9 | 22 27 | 0 8 | 21 40 | 0 1 | 14 45 | 0 40 | 8 45 | 16 45 | 21 7 | 21 20 | 21 33 | 16 58 | 4 5 | T 7 |
| F 8 | 13 9 | 20 1 | 0n48 | 18 46 | 1 25 | 1 27 | 0 43 | 21 21 | 1 53 | 22 44 | 0 10 | 22 26 | 0 8 | 21 40 | 0 1 | 14 46 | 0 40 | 8 45 | 16 45 | 21 7 | 21 21 | 21 33 | 16 58 | 4 5 | F 8 |
| S 9 | 12 49 | 17 3 | 2 7 | 18 53 | 1 12 | 0 55 | 0 40 | 21 28 | 1 53 | 22 43 | 0 10 | 22 25 | 0 8 | 21 40 | 0 1 | 14 46 | 0 40 | 8 44 | 16 45 | 21 7 | 21 22 | 21 32 | 16 58 | 4 5 | S 9 |
| S 10 | 12 28 | 12 59 | 3 17 | 18 58 | 1 0 | 0 23 | 0 37 | 21 34 | 1 53 | 22 42 | 0 10 | 22 25 | 0 8 | 21 40 | 0 1 | 14 47 | 0 40 | 8 44 | 16 45 | 21 8 | 21 22 | 21 32 | 16 58 | 4 5 | S 10 |
| M11 | 12 7 | 8 10 | 4 12 | 19 2 | 0 48 | 0n 8 | 0 35 | 21 41 | 1 53 | 22 40 | 0 10 | 22 24 | 0 7 | 21 40 | 0 1 | 14 47 | 0 40 | 8 43 | 16 44 | 21 9 | 21 23 | 21 32 | 16 59 | 4 5 | M11 |
| T 12 | 11 46 | 3 1 | 4 50 | 19 5 | 0 36 | 0 40 | 0 32 | 21 47 | 1 53 | 22 39 | 0 10 | 22 23 | 0 7 | 21 40 | 0 1 | 14 48 | 0 40 | 8 42 | 16 44 | 21 10 | 21 23 | 21 32 | 16 59 | 4 4 | T 12 |
| W13 | 11 25 | 2s 8 | 5 9 | 19 6 | 0 24 | 1 12 | 0 29 | 21 53 | 1 52 | 22 37 | 0 10 | 22 23 | 0 7 | 21 40 | 0 1 | 14 49 | 0 40 | 8 42 | 16 44 | 21 11 | 21 24 | 21 32 | 16 59 | 4 4 | W13 |
| T 14 | 11 4 | 7 1 | 5 11 | 19 5 | 0 13 | 1 44 | 0 26 | 21 59 | 1 52 | 22 36 | 0 10 | 22 22 | 0 7 | 21 40 | 0 1 | 14 49 | 0 40 | 8 41 | 16 43 | 21 12 | 21 24 | 21 31 | 17 0 | 4 4 | T 14 |
| F 15 | 10 42 | 11 25 | 4 56 | 19 4 | 0 2 | 2 15 | 0 23 | 22 6 | 1 52 | 22 35 | 0 10 | 22 21 | 0 7 | 21 40 | 0 1 | 14 50 | 0 40 | 8 41 | 16 43 | 21 12 | 21 25 | 21 31 | 17 0 | 4 4 | F 15 |
| S 16 | 10 21 | 15 10 | 4 27 | 19 0 | 0s 9 | 2 47 | 0 20 | 22 12 | 1 52 | 22 33 | 0 11 | 22 21 | 0 7 | 21 40 | 0 1 | 14 50 | 0 40 | 8 40 | 16 43 | 21 12 | 21 25 | 21 31 | 17 1 | 4 4 | S 16 |
| S 17 | 9 59 | 18 10 | 3 46 | 18 56 | 0 19 | 3 18 | 0 16 | 22 18 | 1 52 | 22 32 | 0 11 | 22 20 | 0 7 | 21 40 | 0 1 | 14 51 | 0 40 | 8 39 | 16 43 | 21 12 | 21 26 | 21 31 | 17 1 | 4 3 | S 17 |
| M18 | 9 37 | 20 19 | 2 56 | 18 50 | 0 29 | 3 50 | 0 13 | 22 24 | 1 52 | 22 30 | 0 11 | 22 19 | 0 7 | 21 40 | 0 1 | 14 51 | 0 40 | 8 39 | 16 42 | 21 12 | 21 27 | 21 31 | 17 1 | 4 3 | M18 |
| T 19 | 9 15 | 21 32 | 1 59 | 18 43 | 0 38 | 4 21 | 0 10 | 22 30 | 1 51 | 22 29 | 0 11 | 22 19 | 0 7 | 21 40 | 0 1 | 14 52 | 0 40 | 8 38 | 16 42 | 21 12 | 21 27 | 21 30 | 17 2 | 4 3 | T 19 |
| W20 | 8 52 | 21 48 | 0 58 | 18 34 | 0 47 | 4 52 | 0 7 | 22 35 | 1 51 | 22 27 | 0 11 | 22 18 | 0 7 | 21 40 | 0 1 | 14 52 | 0 40 | 8 37 | 16 42 | 21 12 | 21 28 | 21 30 | 17 2 | 4 3 | W20 |
| T 21 | 8 30 | 21 5 | 0s 6 | 18 24 | 0 56 | 5 24 | 0 4 | 22 41 | 1 51 | 22 26 | 0 11 | 22 17 | 0 7 | 21 41 | 0 1 | 14 53 | 0 40 | 8 37 | 16 42 | 21 12 | 21 28 | 21 30 | 17 3 | 4 2 | T 21 |
| F 22 | 8 7 | 19 26 | 1 10 | 18 12 | 1 4 | 5 55 | 0 0 | 22 47 | 1 51 | 22 25 | 0 11 | 22 17 | 0 7 | 21 41 | 0 1 | 14 53 | 0 40 | 8 36 | 16 41 | 21 12 | 21 29 | 21 29 | 17 3 | 4 2 | F 22 |
| S 23 | 7 45 | 16 54 | 2 11 | 17 59 | 1 12 | 6 26 | 0n 3 | 22 52 | 1 51 | 22 23 | 0 11 | 22 16 | 0 7 | 21 41 | 0 1 | 14 54 | 0 40 | 8 36 | 16 41 | 21 12 | 21 29 | 21 29 | 17 4 | 4 2 | S 23 |
| S 24 | 7 22 | 13 38 | 3 7 | 17 45 | 1 19 | 6 56 | 0 6 | 22 58 | 1 50 | 22 22 | 0 12 | 22 16 | 0 7 | 21 41 | 0 1 | 14 54 | 0 40 | 8 35 | 16 41 | 21 13 | 21 30 | 21 29 | 17 4 | 4 2 | S 24 |
| M25 | 6 59 | 9 43 | 3 55 | 17 29 | 1 26 | 7 27 | 0 10 | 23 3 | 1 50 | 22 20 | 0 12 | 22 15 | 0 7 | 21 41 | 0 1 | 14 55 | 0 40 | 8 34 | 16 41 | 21 15 | 21 30 | 21 29 | 17 5 | 4 2 | M25 |
| T 26 | 6 36 | 5 20 | 4 32 | 17 12 | 1 33 | 7 57 | 0 13 | 23 9 | 1 50 | 22 19 | 0 12 | 22 14 | 0 6 | 21 41 | 0 1 | 14 55 | 0 40 | 8 34 | 16 41 | 21 16 | 21 31 | 21 28 | 17 5 | 4 1 | T 26 |
| W27 | 6 13 | 0 40 | 4 57 | 16 53 | 1 39 | 8 28 | 0 17 | 23 14 | 1 50 | 22 17 | 0 12 | 22 14 | 0 6 | 21 41 | 0 1 | 14 56 | 0 40 | 8 33 | 16 40 | 21 18 | 21 31 | 21 28 | 17 6 | 4 1 | W27 |
| T 28 | 5s50 | 4n 6 | 5s 7 | 16s33 | 1s45 | 8n58 | 0n20 | 23n19 | 1n50 | 22s16 | 0s12 | 22s13 | 0n 6 | 21n42 | 0n 1 | 14n56 | 0n40 | 8s32 | 16s40 | 21n19 | 21n32 | 21s28 | 17n 6 | 4s 1 | T 28 |

Julian Day Number = 2125420.5, Delta T = 17m20s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'32, Lahiri = 11°24'32 Julian Calendar 1 Feb. 1107 == Greg. Calendar 8 Feb. 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## MARCH 1107 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 57 21 | 16♓15'27 | 5♉46 | 21♒21 | 23♈18 | 7♊ 9 | 20♑ 7 | 18♑11 | 7♊36 | 21°R47 | 17♈25 | 24°R22 | 23♋14 | 24♑14 | 4♊ 3 | F 1 |
| S 2 | 11 1 18 | 17°15'01 | 19° 6 | 22°44 | 24°29 | 7°40 | 20°18 | 18°15 | 7°37 | 21♌45 | 17°26 | 24♋17 | 23°11 | 24°21 | 4° 5 | S 2 |
| S 3 | 11 5 14 | 18°14'32 | 2♊39 | 24°10 | 25°40 | 8°11 | 20°28 | 18°20 | 7°38 | 21°44 | 17°27 | 24°13 | 23° 8 | 24°27 | 4° 7 | S 3 |
| M 4 | 11 9 11 | 19°14'01 | 16°24 | 25°37 | 26°51 | 8°43 | 20°38 | 18°25 | 7°39 | 21°43 | 17°29 | 24°D12 | 23° 5 | 24°34 | 4° 9 | M 4 |
| T 5 | 11 13 8 | 20°13'28 | 0♋23 | 27° 5 | 28° 2 | 9°14 | 20°49 | 18°29 | 7°41 | 21°41 | 17°30 | 24°12 | 23° 2 | 24°41 | 4°11 | T 5 |
| W 6 | 11 17 4 | 21°12'52 | 14°35 | 28°35 | 29°13 | 9°46 | 20°59 | 18°34 | 7°42 | 21°40 | 17°31 | 24°13 | 22°59 | 24°47 | 4°13 | W 6 |
| T 7 | 11 21 1 | 22°12'14 | 29° 0 | 0♓ 6 | 0♉24 | 10°18 | 21° 9 | 18°38 | 7°43 | 21°38 | 17°33 | 24°R13 | 22°55 | 24°54 | 4°16 | T 7 |
| F 8 | 11 24 57 | 23°11'33 | 13♌33 | 1°39 | 1°34 | 10°49 | 21°19 | 18°42 | 7°45 | 21°37 | 17°34 | 24°12 | 22°52 | 25° 1 | 4°18 | F 8 |
| S 9 | 11 28 54 | 24°10'50 | 28°11 | 3°13 | 2°45 | 11°21 | 21°29 | 18°47 | 7°46 | 21°36 | 17°35 | 24° 8 | 22°49 | 25° 7 | 4°20 | S 9 |
| S 10 | 11 32 50 | 25°10'05 | 12♍48 | 4°48 | 3°55 | 11°53 | 21°38 | 18°51 | 7°48 | 21°34 | 17°36 | 24° 1 | 22°46 | 25°14 | 4°23 | S 10 |
| M11 | 11 36 47 | 26° 9'18 | 27°16 | 6°25 | 5° 6 | 12°25 | 21°48 | 18°55 | 7°49 | 21°33 | 17°38 | 23°53 | 22°43 | 25°21 | 4°26 | M11 |
| T 12 | 11 40 43 | 27° 8'28 | 11♎30 | 8° 3 | 6°16 | 12°57 | 21°58 | 18°59 | 7°51 | 21°32 | 17°39 | 23°43 | 22°40 | 25°27 | 4°28 | T 12 |
| W13 | 11 44 40 | 28° 7'37 | 25°23 | 9°43 | 7°26 | 13°30 | 22° 7 | 19° 3 | 7°53 | 21°30 | 17°40 | 23°32 | 22°36 | 25°34 | 4°31 | W13 |
| T 14 | 11 48 36 | 29° 6'43 | 8♏52 | 11°24 | 8°36 | 14° 2 | 22°16 | 19° 7 | 7°55 | 21°29 | 17°42 | 23°22 | 22°33 | 25°40 | 4°34 | T 14 |
| F 15 | 11 52 33 | 0♈ 5'48 | 21°56 | 13° 7 | 9°45 | 14°35 | 22°25 | 19°11 | 7°56 | 21°28 | 17°43 | 23°15 | 22°30 | 25°47 | 4°37 | F 15 |
| S 16 | 11 56 30 | 1° 4'51 | 4♐37 | 14°50 | 10°55 | 15° 7 | 22°34 | 19°14 | 7°58 | 21°27 | 17°44 | 23° 9 | 22°27 | 25°54 | 4°39 | S 16 |
| S 17 | 12 0 26 | 2° 3'52 | 16°57 | 16°36 | 12° 5 | 15°40 | 22°43 | 19°18 | 8° 0 | 21°25 | 17°46 | 23° 6 | 22°24 | 26° 0 | 4°42 | S 17 |
| M18 | 12 4 23 | 3° 2'51 | 29° 1 | 18°23 | 13°14 | 16°12 | 22°52 | 19°21 | 8° 2 | 21°24 | 17°47 | 23°D 5 | 22°20 | 26° 7 | 4°45 | M18 |
| T 19 | 12 8 19 | 4° 1'49 | 10♑55 | 20°11 | 14°23 | 16°45 | 23° 1 | 19°25 | 8° 4 | 21°23 | 17°48 | 23° 5 | 22°17 | 26°14 | 4°49 | T 19 |
| W20 | 12 12 16 | 5° 0'44 | 22°43 | 22° 1 | 15°32 | 17°18 | 23° 9 | 19°28 | 8° 6 | 21°22 | 17°50 | 23°R 5 | 22°14 | 26°20 | 4°52 | W20 |
| T 21 | 12 16 12 | 5°59'38 | 4♒30 | 23°52 | 16°41 | 17°51 | 23°18 | 19°31 | 8° 8 | 21°21 | 17°51 | 23° 5 | 22°11 | 26°27 | 4°55 | T 21 |
| F 22 | 12 20 9 | 6°58'30 | 16°23 | 25°45 | 17°50 | 18°24 | 23°26 | 19°35 | 8°10 | 21°20 | 17°52 | 23° 2 | 22° 8 | 26°34 | 4°58 | F 22 |
| S 23 | 12 24 5 | 7°57'20 | 28°26 | 27°39 | 18°59 | 18°57 | 23°34 | 19°38 | 8°12 | 21°19 | 17°54 | 22°57 | 22° 5 | 26°40 | 5° 1 | S 23 |
| S 24 | 12 28 2 | 8°56'09 | 10♓41 | 29°34 | 20° 8 | 19°30 | 23°42 | 19°41 | 8°14 | 21°18 | 17°55 | 22°50 | 22° 1 | 26°47 | 5° 5 | S 24 |
| M25 | 12 31 59 | 9°54'55 | 23°12 | 1♈32 | 21°16 | 20° 3 | 23°50 | 19°44 | 8°16 | 21°17 | 17°56 | 22°40 | 21°58 | 26°54 | 5° 8 | M25 |
| T 26 | 12 35 55 | 10°53'39 | 5♈59 | 3°30 | 22°24 | 20°37 | 23°58 | 19°47 | 8°19 | 21°16 | 17°58 | 22°28 | 21°55 | 27° 0 | 5°12 | T 26 |
| W27 | 12 39 52 | 11°52'22 | 19° 1 | 5°30 | 23°33 | 21°10 | 24° 5 | 19°49 | 8°21 | 21°15 | 17°59 | 22°15 | 21°52 | 27° 7 | 5°15 | W27 |
| T 28 | 12 43 48 | 12°51'02 | 2♉19 | 7°31 | 24°40 | 21°43 | 24°13 | 19°52 | 8°23 | 21°14 | 18° 1 | 22° 2 | 21°49 | 27°13 | 5°19 | T 28 |
| F 29 | 12 47 45 | 13°49'40 | 15°49 | 9°34 | 25°48 | 22°17 | 24°20 | 19°55 | 8°26 | 21°13 | 18° 2 | 21°52 | 21°45 | 27°20 | 5°23 | F 29 |
| S 30 | 12 51 41 | 14°48'17 | 29°30 | 11°38 | 26°56 | 22°50 | 24°27 | 19°57 | 8°28 | 21°12 | 18° 3 | 21°43 | 21°42 | 27°27 | 5°26 | S 30 |
| S 31 | 12 55 38 | 15♈46'51 | 13♊18 | 13♈43 | 28♉ 3 | 23♊24 | 24♑34 | 19♑59 | 8♊30 | 21♌11 | 18♈ 5 | 21♋38 | 21♋39 | 27♑33 | 5♊30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 5s27 | 8n47 | 5s 1 | 16s12 | 1s50 | 9n28 | 0n24 | 23n24 | 1n49 | 22s14 | 0s12 | 22s13 | 0n 6 | 21n42 | 0n 1 | 14n57 | 0n40 | 8s32 | 16s40 | 21n21 | 21n33 | 21s28 | 17n 7 | 4s 1 | F 1 |
| S 2 | 5 4 | 13 7 | 4 39 | 15 49 | 1 55 | 9 57 | 0 27 | 23 29 | 1 49 | 22 13 | 0 12 | 22 12 | 0 6 | 21 42 | 0 1 | 14 57 | 0 40 | 8 31 | 16 40 | 21 22 | 21 33 | 21 27 | 17 7 | 4 1 | S 2 |
| S 3 | 4 40 | 16 51 | 4 1 | 15 25 | 2 0 | 10 27 | 0 31 | 23 34 | 1 49 | 22 12 | 0 12 | 22 11 | 0 6 | 21 42 | 0 1 | 14 58 | 0 40 | 8 31 | 16 40 | 21 22 | 21 34 | 21 27 | 17 8 | 4 0 | S 3 |
| M 4 | 4 17 | 19 44 | 3 9 | 14 59 | 2 4 | 10 56 | 0 34 | 23 39 | 1 49 | 22 10 | 0 13 | 22 11 | 0 6 | 21 42 | 0 1 | 14 58 | 0 40 | 8 30 | 16 39 | 21 23 | 21 34 | 21 27 | 17 8 | 4 0 | M 4 |
| T 5 | 3 53 | 21 29 | 2 4 | 14 32 | 2 7 | 11 25 | 0 38 | 23 44 | 1 48 | 22 9 | 0 13 | 22 10 | 0 6 | 21 43 | 0 1 | 14 59 | 0 40 | 8 29 | 16 39 | 21 23 | 21 35 | 21 26 | 17 9 | 4 0 | T 5 |
| W 6 | 3 30 | 21 54 | 0 51 | 14 4 | 2 10 | 11 54 | 0 42 | 23 48 | 1 48 | 22 7 | 0 13 | 22 10 | 0 6 | 21 43 | 0 1 | 14 59 | 0 40 | 8 29 | 16 39 | 21 22 | 21 35 | 21 26 | 17 10 | 4 0 | W 6 |
| T 7 | 3 6 | 20 53 | 0n26 | 13 34 | 2 13 | 12 22 | 0 45 | 23 53 | 1 48 | 22 6 | 0 13 | 22 9 | 0 6 | 21 43 | 0 1 | 15 0 | 0 40 | 8 28 | 16 39 | 21 22 | 21 36 | 21 26 | 17 10 | 4 0 | T 7 |
| F 8 | 2 43 | 18 27 | 1 42 | 13 3 | 2 15 | 12 50 | 0 49 | 23 57 | 1 48 | 22 4 | 0 13 | 22 9 | 0 6 | 21 43 | 0 1 | 15 0 | 0 40 | 8 27 | 16 39 | 21 23 | 21 36 | 21 25 | 17 11 | 3 59 | F 8 |
| S 9 | 2 19 | 14 50 | 2 51 | 12 30 | 2 17 | 13 18 | 0 52 | 24 1 | 1 48 | 22 3 | 0 13 | 22 8 | 0 6 | 21 44 | 0 1 | 15 1 | 0 40 | 8 27 | 16 39 | 21 23 | 21 37 | 21 25 | 17 12 | 3 59 | S 9 |
| S 10 | 1 56 | 10 19 | 3 49 | 11 57 | 2 19 | 13 46 | 0 56 | 24 6 | 1 47 | 22 2 | 0 13 | 22 8 | 0 6 | 21 44 | 0 1 | 15 1 | 0 40 | 8 26 | 16 39 | 21 24 | 21 37 | 21 25 | 17 12 | 3 59 | S 10 |
| M11 | 1 32 | 5 15 | 4 32 | 11 21 | 2 19 | 14 13 | 1 0 | 24 10 | 1 47 | 22 0 | 0 14 | 22 7 | 0 6 | 21 44 | 0 1 | 15 1 | 0 40 | 8 26 | 16 38 | 21 26 | 21 38 | 21 24 | 17 13 | 3 59 | M11 |
| T 12 | 1 9 | 0s 1 | 4 57 | 10 45 | 2 20 | 14 40 | 1 3 | 24 14 | 1 47 | 21 59 | 0 14 | 22 7 | 0 6 | 21 44 | 0 1 | 15 2 | 0 40 | 8 25 | 16 38 | 21 28 | 21 38 | 21 24 | 17 13 | 3 59 | T 12 |
| W13 | 0 45 | 5 9 | 5 4 | 10 7 | 2 20 | 15 7 | 1 7 | 24 17 | 1 47 | 21 57 | 0 14 | 22 6 | 0 5 | 21 45 | 0 1 | 15 2 | 0 40 | 8 24 | 16 38 | 21 30 | 21 39 | 21 24 | 17 14 | 3 59 | W13 |
| T 14 | 0 21 | 9 54 | 4 53 | 9 28 | 2 19 | 15 33 | 1 11 | 24 21 | 1 46 | 21 56 | 0 14 | 22 6 | 0 5 | 21 45 | 0 1 | 15 3 | 0 40 | 8 24 | 16 38 | 21 31 | 21 39 | 21 23 | 17 15 | 3 58 | T 14 |
| F 15 | 0n 2 | 14 2 | 4 27 | 8 48 | 2 18 | 15 59 | 1 14 | 24 25 | 1 46 | 21 55 | 0 14 | 22 5 | 0 5 | 21 45 | 0 1 | 15 3 | 0 40 | 8 23 | 16 38 | 21 33 | 21 40 | 21 23 | 17 15 | 3 58 | F 15 |
| S 16 | 0 26 | 17 25 | 3 48 | 8 6 | 2 17 | 16 24 | 1 18 | 24 28 | 1 46 | 21 53 | 0 14 | 22 5 | 0 5 | 21 46 | 0 1 | 15 4 | 0 40 | 8 23 | 16 38 | 21 33 | 21 40 | 21 22 | 17 16 | 3 58 | S 16 |
| S 17 | 0 50 | 19 55 | 3 0 | 7 23 | 2 15 | 16 49 | 1 21 | 24 32 | 1 46 | 21 52 | 0 15 | 22 4 | 0 5 | 21 46 | 0 1 | 15 4 | 0 40 | 8 22 | 16 38 | 21 34 | 21 41 | 21 22 | 17 17 | 3 58 | S 17 |
| M18 | 1 13 | 21 28 | 2 5 | 6 39 | 2 12 | 17 14 | 1 25 | 24 35 | 1 45 | 21 51 | 0 15 | 22 4 | 0 5 | 21 46 | 0 1 | 15 4 | 0 40 | 8 21 | 16 38 | 21 34 | 21 42 | 21 22 | 17 18 | 3 58 | M18 |
| T 19 | 1 37 | 22 2 | 1 4 | 5 53 | 2 9 | 17 38 | 1 28 | 24 38 | 1 45 | 21 49 | 0 15 | 22 4 | 0 5 | 21 47 | 0 1 | 15 5 | 0 40 | 8 21 | 16 37 | 21 34 | 21 42 | 21 21 | 17 18 | 3 58 | T 19 |
| W20 | 2 0 | 21 36 | 0 2 | 5 6 | 2 6 | 18 2 | 1 32 | 24 41 | 1 45 | 21 48 | 0 15 | 22 3 | 0 5 | 21 47 | 0 1 | 15 5 | 0 40 | 8 20 | 16 37 | 21 34 | 21 43 | 21 21 | 17 19 | 3 57 | W20 |
| T 21 | 2 24 | 20 12 | 1s 0 | 4 18 | 2 1 | 18 26 | 1 35 | 24 44 | 1 44 | 21 47 | 0 15 | 22 3 | 0 5 | 21 47 | 0 1 | 15 5 | 0 40 | 8 20 | 16 37 | 21 34 | 21 43 | 21 20 | 17 20 | 3 57 | T 21 |
| F 22 | 2 47 | 17 55 | 2 1 | 3 29 | 1 57 | 18 49 | 1 39 | 24 46 | 1 44 | 21 46 | 0 15 | 22 2 | 0 5 | 21 48 | 0 1 | 15 6 | 0 40 | 8 19 | 16 37 | 21 35 | 21 44 | 21 20 | 17 20 | 3 57 | F 22 |
| S 23 | 3 10 | 14 49 | 2 56 | 2 39 | 1 52 | 19 11 | 1 42 | 24 49 | 1 44 | 21 44 | 0 15 | 22 2 | 0 5 | 21 48 | 0 1 | 15 6 | 0 40 | 8 19 | 16 37 | 21 35 | 21 44 | 21 20 | 17 21 | 3 57 | S 23 |
| S 24 | 3 34 | 11 3 | 3 44 | 1 48 | 1 46 | 19 33 | 1 46 | 24 51 | 1 44 | 21 43 | 0 16 | 22 2 | 0 5 | 21 48 | 0 1 | 15 6 | 0 40 | 8 18 | 16 37 | 21 37 | 21 45 | 21 19 | 17 22 | 3 57 | S 24 |
| M25 | 3 57 | 6 44 | 4 23 | 0 55 | 1 40 | 19 55 | 1 49 | 24 54 | 1 43 | 21 42 | 0 16 | 22 1 | 0 5 | 21 49 | 0 1 | 15 7 | 0 40 | 8 17 | 16 37 | 21 38 | 21 45 | 21 19 | 17 23 | 3 57 | M25 |
| T 26 | 4 20 | 2 2 | 4 49 | 0 2 | 1 33 | 20 16 | 1 52 | 24 56 | 1 43 | 21 41 | 0 16 | 22 1 | 0 5 | 21 49 | 0 1 | 15 7 | 0 40 | 8 17 | 16 37 | 21 40 | 21 46 | 21 18 | 17 23 | 3 57 | T 26 |
| W27 | 4 43 | 2n51 | 5 0 | 0n53 | 1 26 | 20 37 | 1 56 | 24 58 | 1 43 | 21 40 | 0 16 | 22 1 | 0 4 | 21 49 | 0 1 | 15 7 | 0 40 | 8 16 | 16 37 | 21 42 | 21 46 | 21 18 | 17 24 | 3 56 | W27 |
| T 28 | 5 6 | 7 42 | 4 56 | 1 48 | 1 19 | 20 57 | 1 59 | 25 0 | 1 42 | 21 38 | 0 16 | 22 0 | 0 4 | 21 50 | 0 1 | 15 8 | 0 40 | 8 16 | 16 37 | 21 44 | 21 47 | 21 18 | 17 25 | 3 56 | T 28 |
| F 29 | 5 29 | 12 16 | 4 35 | 2 44 | 1 10 | 21 17 | 2 2 | 25 2 | 1 42 | 21 37 | 0 16 | 22 0 | 0 4 | 21 50 | 0 1 | 15 8 | 0 40 | 8 15 | 16 37 | 21 46 | 21 47 | 21 17 | 17 26 | 3 56 | F 29 |
| S 30 | 5 52 | 16 15 | 3 59 | 3 40 | 1 2 | 21 36 | 2 5 | 25 3 | 1 42 | 21 36 | 0 17 | 22 0 | 0 4 | 21 50 | 0 1 | 15 8 | 0 40 | 8 15 | 16 37 | 21 48 | 21 48 | 21 17 | 17 26 | 3 56 | S 30 |
| S 31 | 6n14 | 19n24 | 3s 8 | 4n38 | 0s53 | 21n54 | 2n 8 | 25n 5 | 1n42 | 21s35 | 0s17 | 21s59 | 0n 4 | 21n51 | 0n 1 | 15n 8 | 0n40 | 8s14 | 16s37 | 21n48 | 21n48 | 21s16 | 17n27 | 3s56 | S 31 |

Julian Day Number = 2125448.5, Delta T = 17m20s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'36, Lahiri = 11°24'36 Julian Calendar 1 March 1107 == Greg. Calendar 8 March 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## APRIL 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 59 34 | 16♈45'23 | 27♊13 | 15♈49 | 29♉11 | 23♊58 | 24♎41 | 20♎ 2 | 8♊33 | 21°R10 | 18♈ 6 | 21°R35 | 21♋36 | 27♎40 | 5♊34 | M 1 |
| T 2 | 13 3 31 | 17°43'52 | 11♋14 | 17°56 | 0♊18 | 24°31 | 24°48 | 20° 4 | 8°35 | 21♌10 | 18° 8 | 21♋34 | 21°33 | 27°47 | 5°38 | T 2 |
| W 3 | 13 7 28 | 18°42'20 | 25°20 | 20° 3 | 1°25 | 25° 5 | 24°54 | 20° 6 | 8°38 | 21° 9 | 18° 9 | 21°34 | 21°30 | 27°53 | 5°42 | W 3 |
| T 4 | 13 11 24 | 19°40'45 | 9♌29 | 22°11 | 2°32 | 25°39 | 25° 1 | 20° 8 | 8°40 | 21° 8 | 18°10 | 21°33 | 21°26 | 28° 0 | 5°45 | T 4 |
| F 5 | 13 15 21 | 20°39'08 | 23°42 | 24°20 | 3°38 | 26°13 | 25° 7 | 20°10 | 8°43 | 21° 7 | 18°12 | 21°31 | 21°23 | 28° 7 | 5°49 | F 5 |
| S 6 | 13 19 17 | 21°37'29 | 7♍55 | 26°28 | 4°44 | 26°47 | 25°13 | 20°12 | 8°46 | 21° 7 | 18°13 | 21°26 | 21°20 | 28°13 | 5°53 | S 6 |
| S 7 | 13 23 14 | 22°35'47 | 22° 5 | 28°36 | 5°51 | 27°21 | 25°19 | 20°14 | 8°48 | 21° 6 | 18°15 | 21°18 | 21°17 | 28°20 | 5°58 | S 7 |
| M 8 | 13 27 10 | 23°34'04 | 6♎ 9 | 0♉43 | 6°57 | 27°55 | 25°25 | 20°15 | 8°51 | 21° 6 | 18°16 | 21° 8 | 21°14 | 28°27 | 6° 2 | M 8 |
| T 9 | 13 31 7 | 24°32'19 | 20° 1 | 2°50 | 8° 2 | 28°29 | 25°30 | 20°17 | 8°54 | 21° 5 | 18°17 | 20°56 | 21°11 | 28°33 | 6° 6 | T 9 |
| W10 | 13 35 3 | 25°30'32 | 3♏37 | 4°55 | 9° 8 | 29° 3 | 25°36 | 20°18 | 8°57 | 21° 4 | 18°19 | 20°44 | 21° 7 | 28°40 | 6°10 | W10 |
| T 11 | 13 39 0 | 26°28'43 | 16°55 | 6°59 | 10°13 | 29°38 | 25°41 | 20°20 | 8°59 | 21° 4 | 18°20 | 20°32 | 21° 4 | 28°47 | 6°14 | T 11 |
| F 12 | 13 42 56 | 27°26'52 | 29°52 | 9° 1 | 11°18 | 0♋12 | 25°46 | 20°21 | 9° 2 | 21° 3 | 18°21 | 20°23 | 21° 1 | 28°53 | 6°19 | F 12 |
| S 13 | 13 46 53 | 28°25'00 | 12♐29 | 11° 1 | 12°23 | 0°46 | 25°51 | 20°22 | 9° 5 | 21° 3 | 18°23 | 20°15 | 20°58 | 29° 0 | 6°23 | S 13 |
| S 14 | 13 50 50 | 29°23'06 | 24°48 | 12°59 | 13°27 | 1°21 | 25°56 | 20°23 | 9° 8 | 21° 3 | 18°24 | 20°11 | 20°55 | 29° 6 | 6°27 | S 14 |
| M15 | 13 54 46 | 0♑21'11 | 6♎52 | 14°54 | 14°32 | 1°55 | 26° 0 | 20°24 | 9°11 | 21° 2 | 18°26 | 20° 8 | 20°51 | 29°13 | 6°32 | M15 |
| T 16 | 13 58 43 | 1°19'15 | 18°46 | 16°46 | 15°36 | 2°29 | 26° 5 | 20°25 | 9°14 | 21° 2 | 18°27 | 20°D 8 | 20°48 | 29°20 | 6°36 | T 16 |
| W17 | 14 2 39 | 2°17'17 | 0♒35 | 18°36 | 16°40 | 3° 4 | 26° 9 | 20°26 | 9°17 | 21° 2 | 18°28 | 20°R 8 | 20°45 | 29°26 | 6°41 | W17 |
| T 18 | 14 6 36 | 3°15'17 | 12°25 | 20°22 | 17°43 | 3°39 | 26°13 | 20°26 | 9°20 | 21° 1 | 18°30 | 20° 8 | 20°42 | 29°33 | 6°45 | T 18 |
| F 19 | 14 10 32 | 4°13'16 | 24°20 | 22° 5 | 18°47 | 4°13 | 26°17 | 20°27 | 9°23 | 21° 1 | 18°31 | 20° 6 | 20°39 | 29°40 | 6°50 | F 19 |
| S 20 | 14 14 29 | 5°11'14 | 6♓26 | 23°45 | 19°50 | 4°48 | 26°21 | 20°27 | 9°26 | 21° 1 | 18°32 | 20° 2 | 20°36 | 29°46 | 6°54 | S 20 |
| S 21 | 14 18 25 | 6° 9'10 | 18°47 | 25°21 | 20°52 | 5°22 | 26°25 | 20°28 | 9°29 | 21° 1 | 18°34 | 19°56 | 20°32 | 29°53 | 6°59 | S 21 |
| M22 | 14 22 22 | 7° 7'05 | 1♈26 | 26°53 | 21°55 | 5°57 | 26°28 | 20°28 | 9°32 | 21° 0 | 18°35 | 19°47 | 20°29 | 29°59 | 7° 3 | M22 |
| T 23 | 14 26 19 | 8° 4'59 | 14°26 | 28°22 | 22°57 | 6°32 | 26°31 | 20°28 | 9°35 | 21° 0 | 18°36 | 19°37 | 20°26 | 0♒ 6 | 7° 8 | T 23 |
| W24 | 14 30 15 | 9° 2'51 | 27°46 | 29°47 | 23°59 | 7° 7 | 26°34 | 20°R28 | 9°39 | 21° 0 | 18°38 | 19°25 | 20°23 | 0°13 | 7°13 | W24 |
| T 25 | 14 34 12 | 10° 0'42 | 11♉25 | 1♊ 9 | 25° 0 | 7°42 | 26°37 | 20°28 | 9°42 | 21° 0 | 18°39 | 19°14 | 20°20 | 0°20 | 7°18 | T 25 |
| F 26 | 14 38 8 | 10°58'31 | 25°20 | 2°26 | 26° 1 | 8°17 | 26°40 | 20°28 | 9°45 | 21°D 0 | 18°40 | 19° 4 | 20°17 | 0°26 | 7°22 | F 26 |
| S 27 | 14 42 5 | 11°56'19 | 9♊26 | 3°40 | 27° 2 | 8°52 | 26°42 | 20°28 | 9°48 | 21° 0 | 18°42 | 18°57 | 20°13 | 0°33 | 7°27 | S 27 |
| S 28 | 14 46 1 | 12°54'05 | 23°38 | 4°50 | 28° 3 | 9°27 | 26°45 | 20°28 | 9°52 | 21° 0 | 18°43 | 18°52 | 20°10 | 0°40 | 7°32 | S 28 |
| M29 | 14 49 58 | 13°51'49 | 7♋53 | 5°55 | 29° 3 | 10° 2 | 26°47 | 20°27 | 9°55 | 21° 0 | 18°44 | 18°49 | 20° 7 | 0°46 | 7°37 | M29 |
| T 30 | 14 53 54 | 14♉49'32 | 22♋ 8 | 6♊57 | 0♋ 3 | 10♋37 | 26♎49 | 20♎27 | 9♊58 | 21♌ 0 | 18♈45 | 18°D49 | 20♋ 4 | 0♒53 | 7♊42 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n37 | 21n27 | 2s 5 | 5n35 | 0s43 | 22n12 | 2n11 | 25n 6 | 1n41 | 21s34 | 0s17 | 21s59 | 0n 4 | 21n51 | 0n 1 | 15n 9 | 0n40 | 8s14 | 16s37 | 21n49 | 21n49 | 21s16 | 17n28 | 3s56 |
| T 2 | 6 59 | 22 10 | 0 54 | 6 33 | 0 34 | 22 30 | 2 14 | 25 7 | 1 41 | 21 33 | 0 17 | 21 59 | 0 4 | 21 52 | 0 1 | 15 9 | 0 40 | 8 13 | 16 37 | 21 49 | 21 49 | 21 15 | 17 29 | 3 56 |
| W 3 | 7 22 | 21 30 | 0n20 | 7 31 | 0 24 | 22 47 | 2 17 | 25 8 | 1 41 | 21 32 | 0 17 | 21 59 | 0 4 | 21 52 | 0 1 | 15 9 | 0 40 | 8 12 | 16 37 | 21 49 | 21 50 | 21 15 | 17 30 | 3 55 |
| T 4 | 7 44 | 19 28 | 1 33 | 8 29 | 0 13 | 23 3 | 2 20 | 25 9 | 1 40 | 21 31 | 0 17 | 21 58 | 0 4 | 21 52 | 0 1 | 15 9 | 0 40 | 8 12 | 16 37 | 21 49 | 21 50 | 21 14 | 17 30 | 3 55 |
| F 5 | 8 6 | 16 13 | 2 41 | 9 26 | 0 3 | 23 19 | 2 23 | 25 10 | 1 40 | 21 30 | 0 18 | 21 58 | 0 4 | 21 53 | 0 1 | 15 10 | 0 40 | 8 11 | 16 37 | 21 49 | 21 51 | 21 14 | 17 31 | 3 55 |
| S 6 | 8 28 | 12 1 | 3 39 | 10 23 | 0n 8 | 23 35 | 2 26 | 25 11 | 1 40 | 21 29 | 0 18 | 21 58 | 0 4 | 21 53 | 0 1 | 15 10 | 0 40 | 8 11 | 16 37 | 21 50 | 21 51 | 21 13 | 17 32 | 3 55 |
| S 7 | 8 50 | 7 10 | 4 23 | 11 19 | 0 19 | 23 49 | 2 28 | 25 11 | 1 40 | 21 28 | 0 18 | 21 58 | 0 4 | 21 54 | 0 1 | 15 10 | 0 40 | 8 10 | 16 37 | 21 51 | 21 52 | 21 13 | 17 33 | 3 55 |
| M 8 | 9 12 | 1 59 | 4 50 | 12 15 | 0 30 | 24 3 | 2 31 | 25 12 | 1 39 | 21 27 | 0 18 | 21 58 | 0 4 | 21 54 | 0 1 | 15 10 | 0 40 | 8 10 | 16 37 | 21 53 | 21 52 | 21 12 | 17 34 | 3 55 |
| T 9 | 9 33 | 3s13 | 5 0 | 13 9 | 0 40 | 24 17 | 2 34 | 25 12 | 1 39 | 21 26 | 0 18 | 21 57 | 0 3 | 21 55 | 0 1 | 15 10 | 0 40 | 8 9 | 16 37 | 21 55 | 21 53 | 21 12 | 17 34 | 3 55 |
| W10 | 9 55 | 8 11 | 4 53 | 14 1 | 0 51 | 24 30 | 2 36 | 25 12 | 1 39 | 21 26 | 0 18 | 21 57 | 0 3 | 21 55 | 0 1 | 15 10 | 0 40 | 8 9 | 16 37 | 21 57 | 21 53 | 21 11 | 17 35 | 3 55 |
| T 11 | 10 16 | 12 39 | 4 30 | 14 53 | 1 1 | 24 42 | 2 39 | 25 12 | 1 38 | 21 25 | 0 19 | 21 57 | 0 3 | 21 56 | 0 1 | 15 11 | 0 40 | 8 8 | 16 37 | 21 59 | 21 54 | 21 11 | 17 36 | 3 55 |
| F 12 | 10 37 | 16 26 | 3 53 | 15 42 | 1 12 | 24 54 | 2 41 | 25 11 | 1 38 | 21 24 | 0 19 | 21 57 | 0 3 | 21 56 | 0 1 | 15 11 | 0 40 | 8 8 | 16 37 | 22 0 | 21 54 | 21 10 | 17 37 | 3 55 |
| S 13 | 10 58 | 19 20 | 3 5 | 16 30 | 1 21 | 25 5 | 2 43 | 25 11 | 1 38 | 21 23 | 0 19 | 21 57 | 0 3 | 21 56 | 0 1 | 15 11 | 0 40 | 8 8 | 16 37 | 22 1 | 21 55 | 21 10 | 17 38 | 3 54 |
| S 14 | 11 18 | 21 17 | 2 10 | 17 15 | 1 31 | 25 15 | 2 45 | 25 10 | 1 37 | 21 23 | 0 19 | 21 57 | 0 3 | 21 57 | 0 1 | 15 11 | 0 40 | 8 7 | 16 37 | 22 2 | 21 55 | 21 9 | 17 38 | 3 54 |
| M15 | 11 39 | 22 13 | 1 10 | 17 58 | 1 39 | 25 25 | 2 47 | 25 10 | 1 37 | 21 22 | 0 19 | 21 57 | 0 3 | 21 57 | 0 1 | 15 11 | 0 40 | 8 7 | 16 37 | 22 2 | 21 56 | 21 9 | 17 39 | 3 54 |
| T 16 | 11 59 | 22 7 | 0 7 | 18 39 | 1 48 | 25 35 | 2 49 | 25 9 | 1 37 | 21 21 | 0 20 | 21 57 | 0 3 | 21 58 | 0 1 | 15 11 | 0 40 | 8 6 | 16 37 | 22 2 | 21 56 | 21 8 | 17 40 | 3 54 |
| W17 | 12 20 | 21 1 | 0s55 | 19 17 | 1 55 | 25 43 | 2 51 | 25 8 | 1 36 | 21 21 | 0 20 | 21 57 | 0 3 | 21 58 | 0 1 | 15 11 | 0 40 | 8 6 | 16 37 | 22 2 | 21 57 | 21 8 | 17 41 | 3 54 |
| T 18 | 12 39 | 19 0 | 1 55 | 19 53 | 2 2 | 25 51 | 2 53 | 25 6 | 1 36 | 21 20 | 0 20 | 21 57 | 0 3 | 21 59 | 0 1 | 15 11 | 0 40 | 8 5 | 16 37 | 22 2 | 21 57 | 21 7 | 17 42 | 3 54 |
| F 19 | 12 59 | 16 10 | 2 51 | 20 27 | 2 9 | 25 58 | 2 54 | 25 5 | 1 36 | 21 19 | 0 20 | 21 57 | 0 3 | 21 59 | 0 1 | 15 11 | 0 40 | 8 5 | 16 37 | 22 2 | 21 58 | 21 7 | 17 43 | 3 54 |
| S 20 | 13 19 | 12 36 | 3 40 | 20 58 | 2 14 | 26 5 | 2 56 | 25 3 | 1 36 | 21 19 | 0 20 | 21 57 | 0 3 | 22 0 | 0 1 | 15 12 | 0 40 | 8 4 | 16 37 | 22 3 | 21 58 | 21 6 | 17 43 | 3 54 |
| S 21 | 13 38 | 8 26 | 4 19 | 21 26 | 2 19 | 26 11 | 2 57 | 25 2 | 1 35 | 21 18 | 0 20 | 21 57 | 0 3 | 22 0 | 0 1 | 15 12 | 0 40 | 8 4 | 16 37 | 22 4 | 21 59 | 21 5 | 17 44 | 3 54 |
| M22 | 13 57 | 3 49 | 4 47 | 21 52 | 2 23 | 26 17 | 2 59 | 25 0 | 1 35 | 21 18 | 0 21 | 21 57 | 0 2 | 22 1 | 0 1 | 15 12 | 0 40 | 8 4 | 16 37 | 22 5 | 21 59 | 21 5 | 17 45 | 3 54 |
| T 23 | 14 16 | 1n 6 | 5 1 | 22 16 | 2 26 | 26 22 | 3 0 | 24 58 | 1 35 | 21 18 | 0 21 | 21 57 | 0 2 | 22 1 | 0 1 | 15 12 | 0 40 | 8 3 | 16 38 | 22 7 | 21 59 | 21 4 | 17 46 | 3 54 |
| W24 | 14 35 | 6 5 | 4 59 | 22 37 | 2 28 | 26 26 | 3 1 | 24 56 | 1 34 | 21 17 | 0 21 | 21 57 | 0 2 | 22 2 | 0 1 | 15 12 | 0 40 | 8 3 | 16 38 | 22 8 | 22 0 | 21 4 | 17 47 | 3 54 |
| T 25 | 14 53 | 10 53 | 4 40 | 22 55 | 2 29 | 26 30 | 3 2 | 24 54 | 1 34 | 21 17 | 0 21 | 21 57 | 0 2 | 22 2 | 0 1 | 15 12 | 0 40 | 8 2 | 16 38 | 22 10 | 22 0 | 21 3 | 17 47 | 3 54 |
| F 26 | 15 11 | 15 14 | 4 5 | 23 12 | 2 30 | 26 33 | 3 3 | 24 51 | 1 34 | 21 16 | 0 21 | 21 57 | 0 2 | 22 3 | 0 1 | 15 12 | 0 40 | 8 2 | 16 38 | 22 11 | 22 1 | 21 3 | 17 48 | 3 54 |
| S 27 | 15 29 | 18 47 | 3 13 | 23 26 | 2 30 | 26 35 | 3 4 | 24 48 | 1 33 | 21 16 | 0 22 | 21 57 | 0 2 | 22 3 | 0 1 | 15 12 | 0 40 | 8 2 | 16 38 | 22 12 | 22 1 | 21 2 | 17 49 | 3 54 |
| S 28 | 15 47 | 21 14 | 2 10 | 23 38 | 2 28 | 26 37 | 3 4 | 24 46 | 1 33 | 21 16 | 0 22 | 21 57 | 0 2 | 22 4 | 0 1 | 15 12 | 0 40 | 8 1 | 16 38 | 22 13 | 22 2 | 21 1 | 17 50 | 3 54 |
| M29 | 16 5 | 22 21 | 0 58 | 23 48 | 2 26 | 26 38 | 3 5 | 24 43 | 1 33 | 21 16 | 0 22 | 21 57 | 0 2 | 22 4 | 0 1 | 15 12 | 0 40 | 8 1 | 16 38 | 22 13 | 22 2 | 21 1 | 17 51 | 3 54 |
| T 30 | 16n22 | 22n 1 | 0n18 | 23n55 | 2n23 | 26n38 | 3n 5 | 24n40 | 1n32 | 21s16 | 0s22 | 21s58 | 0n 2 | 22n 5 | 0n 1 | 15n12 | 0n40 | 8s 1 | 16s38 | 22n14 | 22n 3 | 21s 0 | 17n51 | 3s54 |

Julian Day Number = 2125479.5, Delta T = 17m19s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'40, Lahiri = 11°24'40 Julian Calendar 1 Apr. 1107 == Greg. Calendar 8 Apr. 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## MAY 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 57 51 | 15♉47'14 | 6♌20 | 7♊54 | 1♋ 2 | 11♋12 | 26♏50 | 20°R26 | 10♊ 1 | 21♌ 1 | 18♈47 | 18♋50 | 20♋ 1 | 0♒59 | 7♊47 | W 1 |
| T 2 | 15 1 48 | 16°44'53 | 20°27 | 8°48 | 2° 1 | 11°47 | 26°52 | 20♏25 | 10° 5 | 21° 1 | 18°48 | 18°R50 | 19°57 | 1° 6 | 7°51 | T 2 |
| F 3 | 15 5 44 | 17°42'31 | 4♍29 | 9°37 | 3° 0 | 12°22 | 26°53 | 20°25 | 10° 8 | 21° 1 | 18°49 | 18°49 | 19°54 | 1°13 | 7°56 | F 3 |
| S 4 | 15 9 41 | 18°40'07 | 18°24 | 10°21 | 3°58 | 12°58 | 26°54 | 20°24 | 10°11 | 21° 1 | 18°50 | 18°45 | 19°51 | 1°19 | 8° 1 | S 4 |
| S 5 | 15 13 37 | 19°37'42 | 2♎11 | 11° 2 | 4°55 | 13°33 | 26°55 | 20°23 | 10°15 | 21° 1 | 18°52 | 18°40 | 19°48 | 1°26 | 8° 6 | S 5 |
| M 6 | 15 17 34 | 20°35'15 | 15°49 | 11°37 | 5°53 | 14° 8 | 26°56 | 20°22 | 10°18 | 21° 2 | 18°53 | 18°32 | 19°45 | 1°33 | 8°11 | M 6 |
| T 7 | 15 21 30 | 21°32'47 | 29°16 | 12° 9 | 6°49 | 14°44 | 26°57 | 20°21 | 10°22 | 21° 2 | 18°54 | 18°23 | 19°42 | 1°39 | 8°16 | T 7 |
| W 8 | 15 25 27 | 22°30'18 | 12♏29 | 12°35 | 7°46 | 15°19 | 26°57 | 20°19 | 10°25 | 21° 2 | 18°55 | 18°13 | 19°38 | 1°46 | 8°21 | W 8 |
| T 9 | 15 29 23 | 23°27'47 | 25°27 | 12°57 | 8°41 | 15°54 | 26°57 | 20°18 | 10°29 | 21° 3 | 18°56 | 18° 4 | 19°35 | 1°53 | 8°26 | T 9 |
| F 10 | 15 33 20 | 24°25'16 | 8♐ 9 | 13°14 | 9°37 | 16°30 | 26°R58 | 20°17 | 10°32 | 21° 3 | 18°58 | 17°57 | 19°32 | 1°59 | 8°32 | F 10 |
| S 11 | 15 37 17 | 25°22'43 | 20°36 | 13°27 | 10°31 | 17° 5 | 26°57 | 20°15 | 10°35 | 21° 4 | 18°59 | 17°51 | 19°29 | 2° 6 | 8°37 | S 11 |
| S 12 | 15 41 13 | 26°20'10 | 2♑49 | 13°35 | 11°26 | 17°41 | 26°57 | 20°13 | 10°39 | 21° 4 | 19° 0 | 17°48 | 19°26 | 2°13 | 8°42 | S 12 |
| M13 | 15 45 10 | 27°17'35 | 14°50 | 13°R38 | 12°19 | 18°16 | 26°57 | 20°12 | 10°42 | 21° 5 | 19° 1 | 17°D46 | 19°22 | 2°19 | 8°47 | M13 |
| T 14 | 15 49 6 | 28°15'00 | 26°43 | 13°37 | 13°12 | 18°52 | 26°56 | 20°10 | 10°46 | 21° 5 | 19° 2 | 17°47 | 19°19 | 2°26 | 8°52 | T 14 |
| W15 | 15 53 3 | 29°12'24 | 8♒31 | 13°31 | 14° 5 | 19°28 | 26°55 | 20° 8 | 10°49 | 21° 6 | 19° 3 | 17°48 | 19°16 | 2°33 | 8°57 | W15 |
| T 16 | 15 56 59 | 0♊ 9'47 | 20°21 | 13°21 | 14°56 | 20° 3 | 26°54 | 20° 6 | 10°53 | 21° 7 | 19° 4 | 17°49 | 19°13 | 2°39 | 9° 2 | T 16 |
| F 17 | 16 0 56 | 1° 7'10 | 2♓16 | 13° 7 | 15°47 | 20°39 | 26°52 | 20° 4 | 10°56 | 21° 7 | 19° 5 | 17°R50 | 19°10 | 2°46 | 9° 7 | F 17 |
| S 18 | 16 4 52 | 2° 4'32 | 14°23 | 12°49 | 16°38 | 21°15 | 26°51 | 20° 2 | 11° 0 | 21° 8 | 19° 7 | 17°49 | 19° 7 | 2°52 | 9°13 | S 18 |
| S 19 | 16 8 49 | 3° 1'53 | 26°46 | 12°28 | 17°28 | 21°50 | 26°49 | 20° 0 | 11° 4 | 21° 9 | 19° 8 | 17°46 | 19° 3 | 2°59 | 9°18 | S 19 |
| M20 | 16 12 46 | 3°59'14 | 9♈28 | 12° 3 | 18°17 | 22°26 | 26°47 | 19°57 | 11° 7 | 21° 9 | 19° 9 | 17°42 | 19° 0 | 3° 6 | 9°23 | M20 |
| T 21 | 16 16 42 | 4°56'34 | 22°34 | 11°36 | 19° 5 | 23° 2 | 26°45 | 19°55 | 11°11 | 21°10 | 19°10 | 17°36 | 18°57 | 3°12 | 9°28 | T 21 |
| W22 | 16 20 39 | 5°53'53 | 6♉ 3 | 11° 6 | 19°52 | 23°38 | 26°43 | 19°52 | 11°14 | 21°11 | 19°11 | 17°29 | 18°54 | 3°19 | 9°33 | W22 |
| T 23 | 16 24 35 | 6°51'12 | 19°56 | 10°34 | 20°39 | 24°14 | 26°41 | 19°50 | 11°18 | 21°12 | 19°12 | 17°23 | 18°51 | 3°26 | 9°39 | T 23 |
| F 24 | 16 28 32 | 7°48'31 | 4♊ 9 | 10° 2 | 21°25 | 24°50 | 26°38 | 19°47 | 11°21 | 21°13 | 19°13 | 17°17 | 18°48 | 3°32 | 9°44 | F 24 |
| S 25 | 16 32 28 | 8°45'49 | 18°37 | 9°28 | 22°10 | 25°26 | 26°35 | 19°44 | 11°25 | 21°14 | 19°14 | 17°13 | 18°44 | 3°39 | 9°49 | S 25 |
| S 26 | 16 36 25 | 9°43'06 | 3♋15 | 8°54 | 22°54 | 26° 2 | 26°32 | 19°42 | 11°28 | 21°14 | 19°15 | 17°10 | 18°41 | 3°46 | 9°54 | S 26 |
| M27 | 16 40 21 | 10°40'22 | 17°54 | 8°21 | 23°37 | 26°38 | 26°29 | 19°39 | 11°32 | 21°15 | 19°16 | 17°D10 | 18°38 | 3°52 | 9°59 | M27 |
| T 28 | 16 44 18 | 11°37'38 | 2♌30 | 7°48 | 24°19 | 27°14 | 26°26 | 19°36 | 11°36 | 21°16 | 19°17 | 17°10 | 18°35 | 3°59 | 10° 5 | T 28 |
| W29 | 16 48 15 | 12°34'53 | 16°58 | 7°18 | 25° 0 | 27°50 | 26°22 | 19°33 | 11°39 | 21°17 | 19°17 | 17°12 | 18°32 | 4° 6 | 10°10 | W29 |
| T 30 | 16 52 11 | 13°32'07 | 1♍14 | 6°49 | 25°40 | 28°26 | 26°19 | 19°30 | 11°43 | 21°18 | 19°18 | 17°13 | 18°28 | 4°12 | 10°15 | T 30 |
| F 31 | 16 56 8 | 14♊29'20 | 15♍17 | 6♊22 | 26♋19 | 29♋ 2 | 26♏15 | 19♏27 | 11♊46 | 21♌20 | 19♈19 | 17°R13 | 18♋25 | 4♒19 | 10♊20 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n39 | 20n16 | 1n32 | 24n 1 | 2n19 | 26n38 | 3n 5 | 24n36 | 1n32 | 21s15 | 0s22 | 21s58 | 0n 2 | 22n 5 | 0n 1 | 15n12 | 0n40 | 8s 0 | 16s38 | 22n13 | 22n 3 | 21s 0 | 17n52 | 3s54 |
| T 2 | 16 55 | 17 17 | 2 41 | 24 4 | 2 14 | 26 38 | 3 5 | 24 33 | 1 32 | 21 15 | 0 23 | 21 58 | 0 2 | 22 6 | 0 1 | 15 11 | 0 40 | 8 0 | 16 39 | 22 13 | 22 4 | 20 59 | 17 53 | 3 54 |
| F 3 | 17 12 | 13 18 | 3 39 | 24 6 | 2 8 | 26 37 | 3 5 | 24 29 | 1 31 | 21 15 | 0 23 | 21 58 | 0 2 | 22 6 | 0 1 | 15 11 | 0 40 | 8 0 | 16 39 | 22 14 | 22 4 | 20 58 | 17 54 | 3 54 |
| S 4 | 17 28 | 8 39 | 4 24 | 24 6 | 2 1 | 26 35 | 3 5 | 24 26 | 1 31 | 21 15 | 0 23 | 21 58 | 0 2 | 22 7 | 0 1 | 15 11 | 0 40 | 7 59 | 16 39 | 22 14 | 22 5 | 20 58 | 17 55 | 3 54 |
| S 5 | 17 44 | 3 36 | 4 53 | 24 4 | 1 53 | 26 32 | 3 5 | 24 22 | 1 31 | 21 15 | 0 23 | 21 59 | 0 1 | 22 7 | 0 1 | 15 11 | 0 40 | 7 59 | 16 39 | 22 15 | 22 5 | 20 57 | 17 55 | 3 54 |
| M 6 | 17 59 | 1s34 | 5 5 | 24 0 | 1 44 | 26 29 | 3 4 | 24 18 | 1 30 | 21 15 | 0 23 | 21 59 | 0 1 | 22 8 | 0 1 | 15 11 | 0 40 | 7 59 | 16 39 | 22 16 | 22 6 | 20 56 | 17 56 | 3 54 |
| T 7 | 18 14 | 6 36 | 5 0 | 23 55 | 1 34 | 26 26 | 3 4 | 24 14 | 1 30 | 21 15 | 0 24 | 21 59 | 0 1 | 22 8 | 0 2 | 15 11 | 0 40 | 7 59 | 16 39 | 22 17 | 22 6 | 20 56 | 17 57 | 3 54 |
| W 8 | 18 29 | 11 14 | 4 38 | 23 48 | 1 24 | 26 22 | 3 3 | 24 9 | 1 30 | 21 15 | 0 24 | 21 59 | 0 1 | 22 9 | 0 2 | 15 11 | 0 40 | 7 58 | 16 40 | 22 18 | 22 7 | 20 55 | 17 58 | 3 54 |
| T 9 | 18 44 | 15 17 | 4 3 | 23 39 | 1 12 | 26 17 | 3 2 | 24 5 | 1 29 | 21 16 | 0 24 | 22 0 | 0 1 | 22 9 | 0 2 | 15 11 | 0 40 | 7 58 | 16 40 | 22 20 | 22 7 | 20 54 | 17 58 | 3 54 |
| F 10 | 18 58 | 18 32 | 3 16 | 23 29 | 1 0 | 26 12 | 3 1 | 24 0 | 1 29 | 21 16 | 0 24 | 22 0 | 0 1 | 22 10 | 0 2 | 15 11 | 0 40 | 7 58 | 16 40 | 22 21 | 22 7 | 20 54 | 17 59 | 3 54 |
| S 11 | 19 12 | 20 53 | 2 21 | 23 17 | 0 46 | 26 7 | 2 59 | 23 55 | 1 29 | 21 16 | 0 24 | 22 0 | 0 1 | 22 10 | 0 2 | 15 10 | 0 40 | 7 57 | 16 40 | 22 21 | 22 8 | 20 53 | 18 0 | 3 54 |
| S 12 | 19 26 | 22 12 | 1 20 | 23 5 | 0 32 | 26 1 | 2 58 | 23 50 | 1 28 | 21 16 | 0 25 | 22 1 | 0 1 | 22 11 | 0 2 | 15 10 | 0 40 | 7 57 | 16 40 | 22 22 | 22 8 | 20 52 | 18 1 | 3 54 |
| M13 | 19 39 | 22 28 | 0 16 | 22 50 | 0 18 | 25 54 | 2 56 | 23 45 | 1 28 | 21 17 | 0 25 | 22 1 | 0 1 | 22 11 | 0 2 | 15 10 | 0 40 | 7 57 | 16 41 | 22 22 | 22 9 | 20 52 | 18 1 | 3 54 |
| T 14 | 19 52 | 21 42 | 0s48 | 22 35 | 0 2 | 25 47 | 2 54 | 23 40 | 1 28 | 21 17 | 0 25 | 22 1 | 0 1 | 22 12 | 0 2 | 15 10 | 0 40 | 7 57 | 16 41 | 22 22 | 22 9 | 20 51 | 18 2 | 3 54 |
| W15 | 20 5 | 19 59 | 1 50 | 22 18 | 0s14 | 25 39 | 2 52 | 23 34 | 1 27 | 21 17 | 0 25 | 22 2 | 0 1 | 22 12 | 0 2 | 15 10 | 0 40 | 7 57 | 16 41 | 22 22 | 22 10 | 20 50 | 18 3 | 3 54 |
| T 16 | 20 17 | 17 25 | 2 47 | 22 1 | 0 30 | 25 31 | 2 50 | 23 29 | 1 27 | 21 18 | 0 25 | 22 2 | 0 1 | 22 13 | 0 2 | 15 9 | 0 40 | 7 56 | 16 41 | 22 22 | 22 10 | 20 50 | 18 4 | 3 54 |
| F 17 | 20 29 | 14 5 | 3 37 | 21 42 | 0 47 | 25 23 | 2 47 | 23 23 | 1 26 | 21 18 | 0 26 | 22 2 | 0 0 | 22 13 | 0 2 | 15 9 | 0 40 | 7 56 | 16 41 | 22 22 | 22 11 | 20 49 | 18 4 | 3 54 |
| S 18 | 20 41 | 10 9 | 4 19 | 21 23 | 1 4 | 25 14 | 2 44 | 23 17 | 1 26 | 21 19 | 0 26 | 22 3 | 0 0 | 22 14 | 0 2 | 15 9 | 0 40 | 7 56 | 16 42 | 22 22 | 22 11 | 20 48 | 18 5 | 3 54 |
| S 19 | 20 52 | 5 43 | 4 49 | 21 3 | 1 21 | 25 4 | 2 41 | 23 11 | 1 26 | 21 19 | 0 26 | 22 3 | 0 0 | 22 14 | 0 2 | 15 9 | 0 40 | 7 56 | 16 42 | 22 22 | 22 12 | 20 48 | 18 6 | 3 54 |
| M20 | 21 3 | 0 55 | 5 6 | 20 43 | 1 38 | 24 55 | 2 38 | 23 5 | 1 25 | 21 20 | 0 26 | 22 4 | 0 0 | 22 15 | 0 2 | 15 8 | 0 40 | 7 56 | 16 42 | 22 23 | 22 12 | 20 47 | 18 6 | 3 54 |
| T 21 | 21 13 | 4n 3 | 5 8 | 20 23 | 1 55 | 24 45 | 2 35 | 22 58 | 1 25 | 21 20 | 0 26 | 22 4 | 0 0 | 22 15 | 0 2 | 15 8 | 0 40 | 7 55 | 16 42 | 22 23 | 22 12 | 20 46 | 18 7 | 3 54 |
| W22 | 21 24 | 8 59 | 4 54 | 20 2 | 2 12 | 24 34 | 2 31 | 22 52 | 1 25 | 21 21 | 0 27 | 22 4 | 0s 0 | 22 16 | 0 2 | 15 8 | 0 40 | 7 55 | 16 42 | 22 24 | 22 13 | 20 45 | 18 8 | 3 54 |
| T 23 | 21 33 | 13 37 | 4 21 | 19 42 | 2 28 | 24 23 | 2 28 | 22 45 | 1 24 | 21 22 | 0 27 | 22 5 | 0 0 | 22 16 | 0 2 | 15 8 | 0 40 | 7 55 | 16 43 | 22 25 | 22 13 | 20 45 | 18 9 | 3 54 |
| F 24 | 21 43 | 17 36 | 3 33 | 19 21 | 2 44 | 24 12 | 2 24 | 22 38 | 1 24 | 21 22 | 0 27 | 22 5 | 0 0 | 22 17 | 0 2 | 15 7 | 0 40 | 7 55 | 16 43 | 22 26 | 22 14 | 20 44 | 18 9 | 3 54 |
| S 25 | 21 52 | 20 35 | 2 29 | 19 2 | 2 59 | 24 1 | 2 19 | 22 31 | 1 24 | 21 23 | 0 27 | 22 6 | 0 0 | 22 17 | 0 2 | 15 7 | 0 40 | 7 55 | 16 43 | 22 26 | 22 14 | 20 43 | 18 10 | 3 54 |
| S 26 | 22 1 | 22 16 | 1 15 | 18 43 | 3 13 | 23 49 | 2 15 | 22 24 | 1 23 | 21 24 | 0 28 | 22 6 | 0 0 | 22 18 | 0 2 | 15 7 | 0 40 | 7 55 | 16 43 | 22 27 | 22 15 | 20 42 | 18 11 | 3 54 |
| M27 | 22 9 | 22 25 | 0n 4 | 18 25 | 3 26 | 23 37 | 2 10 | 22 17 | 1 23 | 21 25 | 0 28 | 22 7 | 0 0 | 22 18 | 0 2 | 15 6 | 0 40 | 7 55 | 16 44 | 22 27 | 22 15 | 20 42 | 18 11 | 3 55 |
| T 28 | 22 17 | 21 2 | 1 23 | 18 8 | 3 37 | 23 24 | 2 5 | 22 10 | 1 23 | 21 25 | 0 28 | 22 7 | 0 1 | 22 19 | 0 2 | 15 6 | 0 40 | 7 54 | 16 44 | 22 27 | 22 16 | 20 41 | 18 12 | 3 55 |
| W29 | 22 25 | 18 18 | 2 36 | 17 53 | 3 48 | 23 12 | 2 0 | 22 2 | 1 22 | 21 26 | 0 28 | 22 8 | 0 1 | 22 19 | 0 2 | 15 6 | 0 40 | 7 54 | 16 44 | 22 27 | 22 16 | 20 40 | 18 13 | 3 55 |
| T 30 | 22 32 | 14 28 | 3 38 | 17 39 | 3 57 | 22 59 | 1 54 | 21 54 | 1 22 | 21 27 | 0 28 | 22 8 | 0 1 | 22 20 | 0 2 | 15 5 | 0 40 | 7 54 | 16 44 | 22 26 | 22 16 | 20 39 | 18 13 | 3 55 |
| F 31 | 22n39 | 9n54 | 4n26 | 17n27 | 4s 5 | 22n46 | 1n48 | 21n47 | 1n21 | 21s28 | 0s29 | 22s 9 | 0s 1 | 22n20 | 0n 2 | 15n 5 | 0n40 | 7s54 | 16s45 | 22n26 | 22n17 | 20s39 | 18n14 | 3s55 |

Julian Day Number = 2125509.5, Delta T = 17m19s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'44, Lahiri = 11°24'45 Julian Calendar 1 May 1107 == Greg. Calendar 8 May 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## JUNE 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 0 4 | 15♊26'32 | 29♍ 5 | 5°R59 | 26♋57 | 29♋39 | 26°R11 | 19°R23 | 11♊50 | 21♌21 | 19♈20 | 17°R13 | 18♋22 | 4♒26 | 10♊25 | S 1 |
| S 2 | 17 4 1 | 16°23'44 | 12♎38 | 5♊39 | 27°34 | 0♌15 | 26♉ 7 | 19♉20 | 11°53 | 21°22 | 19°21 | 17♋11 | 18°19 | 4°32 | 10°31 | S 2 |
| M 3 | 17 7 57 | 17°20'55 | 25°57 | 5°23 | 28° 9 | 0°51 | 26° 2 | 19°17 | 11°57 | 21°23 | 19°22 | 17° 7 | 18°16 | 4°39 | 10°36 | M 3 |
| T 4 | 17 11 54 | 18°18'06 | 9♏ 2 | 5°11 | 28°43 | 1°27 | 25°58 | 19°13 | 12° 1 | 21°24 | 19°23 | 17° 3 | 18°13 | 4°46 | 10°41 | T 4 |
| W 5 | 17 15 50 | 19°15'15 | 21°52 | 5° 3 | 29°16 | 2° 4 | 25°53 | 19°10 | 12° 4 | 21°25 | 19°23 | 16°59 | 18° 9 | 4°52 | 10°46 | W 5 |
| T 6 | 17 19 47 | 20°12'25 | 4♐30 | 5°D 0 | 29°47 | 2°40 | 25°48 | 19° 6 | 12° 8 | 21°27 | 19°24 | 16°54 | 18° 6 | 4°59 | 10°51 | T 6 |
| F 7 | 17 23 44 | 21° 9'34 | 16°55 | 5° 1 | 0♌17 | 3°17 | 25°43 | 19° 3 | 12°11 | 21°28 | 19°25 | 16°51 | 18° 3 | 5° 5 | 10°57 | F 7 |
| S 8 | 17 27 40 | 22° 6'43 | 29° 8 | 5° 7 | 0°45 | 3°53 | 25°38 | 18°59 | 12°15 | 21°29 | 19°26 | 16°49 | 18° 0 | 5°12 | 11° 2 | S 8 |
| S 9 | 17 31 37 | 23° 3'52 | 11♑12 | 5°18 | 1°12 | 4°29 | 25°33 | 18°55 | 12°18 | 21°31 | 19°26 | 16°D48 | 17°57 | 5°19 | 11° 7 | S 9 |
| M10 | 17 35 33 | 24° 1'01 | 23° 7 | 5°34 | 1°37 | 5° 6 | 25°28 | 18°52 | 12°22 | 21°32 | 19°27 | 16°48 | 17°54 | 5°25 | 11°12 | M10 |
| T 11 | 17 39 30 | 24°58'10 | 4♒57 | 5°54 | 2° 1 | 5°42 | 25°22 | 18°48 | 12°25 | 21°33 | 19°28 | 16°49 | 17°50 | 5°32 | 11°17 | T 11 |
| W12 | 17 43 26 | 25°55'19 | 16°45 | 6°20 | 2°23 | 6°19 | 25°16 | 18°44 | 12°29 | 21°35 | 19°28 | 16°50 | 17°47 | 5°39 | 11°22 | W12 |
| T 13 | 17 47 23 | 26°52'28 | 28°35 | 6°50 | 2°43 | 6°56 | 25°10 | 18°40 | 12°32 | 21°36 | 19°29 | 16°52 | 17°44 | 5°45 | 11°27 | T 13 |
| F 14 | 17 51 20 | 27°49'37 | 10♓31 | 7°25 | 3° 1 | 7°32 | 25° 5 | 18°36 | 12°36 | 21°38 | 19°30 | 16°53 | 17°41 | 5°52 | 11°32 | F 14 |
| S 15 | 17 55 16 | 28°46'46 | 22°37 | 8° 5 | 3°18 | 8° 9 | 24°58 | 18°32 | 12°39 | 21°39 | 19°30 | 16°54 | 17°38 | 5°59 | 11°38 | S 15 |
| S 16 | 17 59 13 | 29°43'56 | 4♈58 | 8°49 | 3°32 | 8°45 | 24°52 | 18°28 | 12°43 | 21°41 | 19°31 | 16°R54 | 17°34 | 6° 5 | 11°43 | S 16 |
| M17 | 18 3 9 | 0♋41'06 | 17°39 | 9°38 | 3°44 | 9°22 | 24°46 | 18°24 | 12°46 | 21°42 | 19°31 | 16°53 | 17°31 | 6°12 | 11°48 | M17 |
| T 18 | 18 7 6 | 1°38'16 | 0♉43 | 10°32 | 3°55 | 9°59 | 24°39 | 18°20 | 12°50 | 21°44 | 19°32 | 16°52 | 17°28 | 6°19 | 11°53 | T 18 |
| W19 | 18 11 2 | 2°35'27 | 14°12 | 11°31 | 4° 3 | 10°36 | 24°33 | 18°16 | 12°53 | 21°45 | 19°33 | 16°50 | 17°25 | 6°25 | 11°58 | W19 |
| T 20 | 18 14 59 | 3°32'39 | 28° 8 | 12°33 | 4° 9 | 11°12 | 24°26 | 18°11 | 12°56 | 21°47 | 19°33 | 16°48 | 17°22 | 6°32 | 12° 3 | T 20 |
| F 21 | 18 18 55 | 4°29'50 | 12♊28 | 13°41 | 4°13 | 11°49 | 24°19 | 18° 7 | 13° 0 | 21°48 | 19°34 | 16°47 | 17°19 | 6°39 | 12° 8 | F 21 |
| S 22 | 18 22 52 | 5°27'02 | 27° 9 | 14°52 | 4°R15 | 12°26 | 24°12 | 18° 3 | 13° 3 | 21°50 | 19°34 | 16°46 | 17°15 | 6°45 | 12°13 | S 22 |
| S 23 | 18 26 49 | 6°24'15 | 12♋ 3 | 16° 8 | 4°14 | 13° 3 | 24° 5 | 17°59 | 13° 6 | 21°52 | 19°34 | 16°D45 | 17°12 | 6°52 | 12°18 | S 23 |
| M24 | 18 30 45 | 7°21'28 | 27° 4 | 17°29 | 4°11 | 13°40 | 23°58 | 17°54 | 13°10 | 21°53 | 19°35 | 16°45 | 17° 9 | 6°59 | 12°22 | M24 |
| T 25 | 18 34 42 | 8°18'41 | 12♌ 2 | 18°53 | 4° 6 | 14°17 | 23°51 | 17°50 | 13°13 | 21°55 | 19°35 | 16°46 | 17° 6 | 7° 5 | 12°27 | T 25 |
| W26 | 18 38 38 | 9°15'54 | 26°50 | 20°21 | 3°58 | 14°54 | 23°44 | 17°46 | 13°16 | 21°57 | 19°36 | 16°47 | 17° 3 | 7°12 | 12°32 | W26 |
| T 27 | 18 42 35 | 10°13'07 | 11♍23 | 21°54 | 3°48 | 15°31 | 23°37 | 17°41 | 13°20 | 21°59 | 19°36 | 16°47 | 17° 0 | 7°19 | 12°37 | T 27 |
| F 28 | 18 46 31 | 11°10'20 | 25°35 | 23°30 | 3°35 | 16° 8 | 23°29 | 17°37 | 13°23 | 22° 0 | 19°36 | 16°48 | 16°56 | 7°25 | 12°42 | F 28 |
| S 29 | 18 50 28 | 12° 7'33 | 9♎26 | 25°10 | 3°21 | 16°45 | 23°22 | 17°32 | 13°26 | 22° 2 | 19°37 | 16°R48 | 16°53 | 7°32 | 12°47 | S 29 |
| S 30 | 18 54 24 | 13♋ 4'47 | 22♎55 | 26♊54 | 3♌ 3 | 17♌22 | 23♉14 | 17♉28 | 13♊29 | 22♌ 4 | 19♈37 | 16♋48 | 16♋50 | 7♒39 | 12♊51 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n45 | 4n55 | 4n57 | 17n17 | 4s11 | 22n33 | 1n42 | 21n39 | 1n21 | 21s29 | 0s29 | 22s10 | 0s 1 | 22n21 | 0n 2 | 15n 5 | 0n40 | 7s54 | 16s45 | 22n26 | 22n17 | 20s38 | 18n14 | 3s55 |
| S 2 | 22 51 | 0s14 | 5 12 | 17 8 | 4 17 | 22 19 | 1 36 | 21 30 | 1 21 | 21 30 | 0 29 | 22 10 | 0 1 | 22 21 | 0 2 | 15 4 | 0 40 | 7 54 | 16 45 | 22 27 | 22 18 | 20 37 | 18 15 | 3 55 |
| M 3 | 22 57 | 5 16 | 5 9 | 17 2 | 4 20 | 22 5 | 1 29 | 21 22 | 1 20 | 21 31 | 0 29 | 22 11 | 0 1 | 22 22 | 0 2 | 15 4 | 0 40 | 7 54 | 16 46 | 22 27 | 22 18 | 20 36 | 18 16 | 3 55 |
| T 4 | 23 2 | 9 59 | 4 50 | 16 58 | 4 23 | 21 52 | 1 23 | 21 14 | 1 20 | 21 32 | 0 29 | 22 11 | 0 1 | 22 22 | 0 2 | 15 4 | 0 40 | 7 54 | 16 46 | 22 28 | 22 19 | 20 35 | 18 16 | 3 55 |
| W 5 | 23 7 | 14 11 | 4 17 | 16 55 | 4 24 | 21 38 | 1 15 | 21 5 | 1 20 | 21 33 | 0 30 | 22 12 | 0 1 | 22 23 | 0 2 | 15 3 | 0 40 | 7 54 | 16 46 | 22 28 | 22 19 | 20 35 | 18 17 | 3 56 |
| T 6 | 23 11 | 17 40 | 3 32 | 16 55 | 4 23 | 21 24 | 1 8 | 20 57 | 1 19 | 21 34 | 0 30 | 22 12 | 0 1 | 22 23 | 0 2 | 15 3 | 0 40 | 7 54 | 16 46 | 22 29 | 22 19 | 20 34 | 18 17 | 3 56 |
| F 7 | 23 15 | 20 18 | 2 37 | 16 57 | 4 22 | 21 10 | 1 0 | 20 48 | 1 19 | 21 36 | 0 30 | 22 13 | 0 1 | 22 23 | 0 2 | 15 2 | 0 39 | 7 54 | 16 47 | 22 29 | 22 20 | 20 33 | 18 18 | 3 56 |
| S 8 | 23 19 | 21 57 | 1 36 | 17 1 | 4 19 | 20 56 | 0 52 | 20 39 | 1 18 | 21 37 | 0 30 | 22 14 | 0 2 | 22 24 | 0 2 | 15 2 | 0 39 | 7 54 | 16 47 | 22 29 | 22 20 | 20 32 | 18 19 | 3 56 |
| S 9 | 23 22 | 22 34 | 0 31 | 17 6 | 4 15 | 20 41 | 0 43 | 20 30 | 1 18 | 21 38 | 0 30 | 22 14 | 0 2 | 22 24 | 0 2 | 15 1 | 0 39 | 7 54 | 16 47 | 22 30 | 22 21 | 20 31 | 18 19 | 3 56 |
| M10 | 23 25 | 22 8 | 0s35 | 17 14 | 4 10 | 20 27 | 0 35 | 20 20 | 1 18 | 21 39 | 0 31 | 22 15 | 0 2 | 22 25 | 0 2 | 15 1 | 0 39 | 7 54 | 16 48 | 22 30 | 22 21 | 20 31 | 18 20 | 3 56 |
| T 11 | 23 27 | 20 43 | 1 39 | 17 23 | 4 4 | 20 13 | 0 25 | 20 11 | 1 17 | 21 40 | 0 31 | 22 15 | 0 2 | 22 25 | 0 2 | 15 1 | 0 39 | 7 54 | 16 48 | 22 29 | 22 22 | 20 30 | 18 20 | 3 56 |
| W12 | 23 29 | 18 24 | 2 38 | 17 34 | 3 57 | 19 59 | 0 16 | 20 1 | 1 17 | 21 42 | 0 31 | 22 16 | 0 2 | 22 26 | 0 2 | 15 0 | 0 39 | 7 54 | 16 48 | 22 29 | 22 22 | 20 29 | 18 21 | 3 57 |
| T 13 | 23 31 | 15 19 | 3 31 | 17 47 | 3 50 | 19 45 | 0 6 | 19 52 | 1 17 | 21 43 | 0 31 | 22 17 | 0 2 | 22 26 | 0 2 | 15 0 | 0 39 | 7 54 | 16 48 | 22 29 | 22 22 | 20 28 | 18 21 | 3 57 |
| F 14 | 23 32 | 11 35 | 4 15 | 18 1 | 3 41 | 19 31 | 0s 4 | 19 42 | 1 16 | 21 44 | 0 31 | 22 17 | 0 2 | 22 27 | 0 2 | 14 59 | 0 39 | 7 54 | 16 49 | 22 29 | 22 23 | 20 27 | 18 22 | 3 57 |
| S 15 | 23 33 | 7 21 | 4 49 | 18 16 | 3 32 | 19 17 | 0 14 | 19 32 | 1 16 | 21 45 | 0 32 | 22 18 | 0 2 | 22 27 | 0 2 | 14 59 | 0 39 | 7 54 | 16 49 | 22 29 | 22 23 | 20 26 | 18 22 | 3 57 |
| S 16 | 23 33 | 2 45 | 5 10 | 18 33 | 3 22 | 19 3 | 0 25 | 19 22 | 1 15 | 21 47 | 0 32 | 22 19 | 0 2 | 22 28 | 0 2 | 14 58 | 0 39 | 7 54 | 16 49 | 22 29 | 22 24 | 20 26 | 18 23 | 3 57 |
| M17 | 23 33 | 2n 5 | 5 16 | 18 51 | 3 11 | 18 50 | 0 36 | 19 12 | 1 15 | 21 48 | 0 32 | 22 19 | 0 2 | 22 28 | 0 2 | 14 58 | 0 39 | 7 54 | 16 50 | 22 29 | 22 24 | 20 25 | 18 23 | 3 57 |
| T 18 | 23 33 | 6 59 | 5 7 | 19 9 | 3 0 | 18 36 | 0 47 | 19 2 | 1 15 | 21 49 | 0 32 | 22 20 | 0 2 | 22 29 | 0 2 | 14 57 | 0 39 | 7 54 | 16 50 | 22 29 | 22 24 | 20 24 | 18 24 | 3 58 |
| W19 | 23 32 | 11 42 | 4 41 | 19 29 | 2 49 | 18 23 | 0 59 | 18 51 | 1 14 | 21 51 | 0 32 | 22 21 | 0 2 | 22 29 | 0 2 | 14 57 | 0 39 | 7 55 | 16 50 | 22 29 | 22 25 | 20 23 | 18 24 | 3 58 |
| T 20 | 23 30 | 15 58 | 3 58 | 19 49 | 2 37 | 18 10 | 1 11 | 18 41 | 1 14 | 21 52 | 0 33 | 22 21 | 0 3 | 22 29 | 0 2 | 14 56 | 0 39 | 7 55 | 16 51 | 22 29 | 22 25 | 20 22 | 18 25 | 3 58 |
| F 21 | 23 29 | 19 27 | 2 59 | 20 9 | 2 25 | 17 57 | 1 23 | 18 30 | 1 13 | 21 54 | 0 33 | 22 22 | 0 3 | 22 30 | 0 2 | 14 56 | 0 39 | 7 55 | 16 51 | 22 30 | 22 26 | 20 21 | 18 25 | 3 58 |
| S 22 | 23 26 | 21 45 | 1 47 | 20 30 | 2 12 | 17 44 | 1 36 | 18 19 | 1 13 | 21 55 | 0 33 | 22 23 | 0 3 | 22 30 | 0 2 | 14 55 | 0 39 | 7 55 | 16 51 | 22 30 | 22 26 | 20 20 | 18 26 | 3 58 |
| S 23 | 23 24 | 22 34 | 0 26 | 20 51 | 1 59 | 17 32 | 1 49 | 18 8 | 1 13 | 21 56 | 0 33 | 22 23 | 0 3 | 22 31 | 0 2 | 14 55 | 0 39 | 7 55 | 16 52 | 22 30 | 22 26 | 20 19 | 18 26 | 3 59 |
| M24 | 23 21 | 21 47 | 0n57 | 21 12 | 1 46 | 17 20 | 2 2 | 17 57 | 1 12 | 21 58 | 0 33 | 22 24 | 0 3 | 22 31 | 0 2 | 14 54 | 0 39 | 7 55 | 16 52 | 22 30 | 22 27 | 20 19 | 18 26 | 3 59 |
| T 25 | 23 18 | 19 26 | 2 16 | 21 33 | 1 33 | 17 8 | 2 15 | 17 46 | 1 12 | 21 59 | 0 33 | 22 25 | 0 3 | 22 32 | 0 2 | 14 53 | 0 39 | 7 55 | 16 52 | 22 30 | 22 27 | 20 18 | 18 27 | 3 59 |
| W26 | 23 14 | 15 50 | 3 25 | 21 53 | 1 20 | 16 57 | 2 29 | 17 35 | 1 11 | 22 1 | 0 34 | 22 25 | 0 3 | 22 32 | 0 2 | 14 53 | 0 39 | 7 56 | 16 53 | 22 30 | 22 28 | 20 17 | 18 27 | 3 59 |
| T 27 | 23 10 | 11 19 | 4 19 | 22 12 | 1 6 | 16 46 | 2 43 | 17 23 | 1 11 | 22 2 | 0 34 | 22 26 | 0 3 | 22 32 | 0 2 | 14 52 | 0 39 | 7 56 | 16 53 | 22 30 | 22 28 | 20 16 | 18 28 | 3 59 |
| F 28 | 23 5 | 6 17 | 4 56 | 22 30 | 0 53 | 16 35 | 2 56 | 17 12 | 1 11 | 22 3 | 0 34 | 22 27 | 0 3 | 22 33 | 0 2 | 14 52 | 0 39 | 7 56 | 16 53 | 22 30 | 22 28 | 20 15 | 18 28 | 4 0 |
| S 29 | 23 0 | 1 4 | 5 15 | 22 48 | 0 40 | 16 25 | 3 10 | 17 0 | 1 10 | 22 5 | 0 34 | 22 27 | 0 3 | 22 33 | 0 2 | 14 51 | 0 39 | 7 56 | 16 54 | 22 30 | 22 29 | 20 14 | 18 28 | 4 0 |
| S 30 | 22n54 | 4s 4 | 5n16 | 23n 4 | 0s27 | 16n15 | 3s25 | 16n49 | 1n10 | 22s 6 | 0s34 | 22s28 | 0s 3 | 22n34 | 0n 2 | 14n51 | 0n39 | 7s56 | 16s54 | 22n30 | 22n29 | 20s13 | 18n29 | 4s 0 |

Julian Day Number = 2125540.5, Delta T = 17m19s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'48, Lahiri = 11°24'49 Julian Calendar 1 June 1107 == Greg. Calendar 8 June 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## JULY 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 58 21 | 14♋ 2'01 | 6♏ 3 | 28♊41 | 2°R44 | 18♌ 0 | 23°R 7 | 17°R24 | 13♊33 | 22♌ 6 | 19♈37 | 16°R47 | 16♋47 | 7♒45 | 12♊56 | M 1 |
| T 2 | 19 2 18 | 14°59'15 | 18°53 | 0♋31 | 2♌22 | 18°37 | 22♉59 | 17♉19 | 13°36 | 22° 8 | 19°38 | 16♋47 | 16°44 | 7°52 | 13° 1 | T 2 |
| W 3 | 19 6 14 | 15°56'29 | 1♐28 | 2°24 | 1°58 | 19°14 | 22°51 | 17°15 | 13°39 | 22° 9 | 19°38 | 16°47 | 16°40 | 7°58 | 13° 5 | W 3 |
| T 4 | 19 10 11 | 16°53'44 | 13°48 | 4°20 | 1°32 | 19°51 | 22°44 | 17°10 | 13°42 | 22°11 | 19°38 | 16°D47 | 16°37 | 8° 5 | 13°10 | T 4 |
| F 5 | 19 14 7 | 17°51'00 | 25°58 | 6°18 | 1° 4 | 20°29 | 22°36 | 17° 6 | 13°45 | 22°13 | 19°38 | 16°47 | 16°34 | 8°12 | 13°15 | F 5 |
| S 6 | 19 18 4 | 18°48'16 | 8♑ 0 | 8°18 | 0°34 | 21° 6 | 22°28 | 17° 1 | 13°48 | 22°15 | 19°39 | 16°47 | 16°31 | 8°18 | 13°19 | S 6 |
| S 7 | 19 22 0 | 19°45'33 | 19°54 | 10°20 | 0° 3 | 21°43 | 22°21 | 16°57 | 13°51 | 22°17 | 19°39 | 16°R47 | 16°28 | 8°25 | 13°24 | S 7 |
| M 8 | 19 25 57 | 20°42'50 | 1♒45 | 12°24 | 29♋30 | 22°21 | 22°13 | 16°53 | 13°54 | 22°19 | 19°39 | 16°47 | 16°25 | 8°32 | 13°28 | M 8 |
| T 9 | 19 29 53 | 21°40'09 | 13°33 | 14°28 | 28°56 | 22°58 | 22° 5 | 16°48 | 13°57 | 22°21 | 19°39 | 16°47 | 16°21 | 8°38 | 13°33 | T 9 |
| W10 | 19 33 50 | 22°37'28 | 25°22 | 16°34 | 28°21 | 23°36 | 21°57 | 16°44 | 14° 0 | 22°23 | 19°39 | 16°46 | 16°18 | 8°45 | 13°37 | W10 |
| T 11 | 19 37 47 | 23°34'48 | 7♓14 | 18°40 | 27°44 | 24°13 | 21°50 | 16°39 | 14° 3 | 22°25 | 19°39 | 16°45 | 16°15 | 8°52 | 13°42 | T 11 |
| F 12 | 19 41 43 | 24°32'09 | 19°12 | 20°46 | 27° 8 | 24°51 | 21°42 | 16°35 | 14° 6 | 22°27 | 19°39 | 16°44 | 16°12 | 8°58 | 13°46 | F 12 |
| S 13 | 19 45 40 | 25°29'32 | 1♈20 | 22°51 | 26°30 | 25°28 | 21°34 | 16°31 | 14° 9 | 22°29 | 19°39 | 16°43 | 16° 9 | 9° 5 | 13°50 | S 13 |
| S 14 | 19 49 36 | 26°26'55 | 13°41 | 24°57 | 25°53 | 26° 6 | 21°26 | 16°26 | 14°12 | 22°31 | 19°R39 | 16°43 | 16° 6 | 9°12 | 13°54 | S 14 |
| M15 | 19 53 33 | 27°24'20 | 26°19 | 27° 2 | 25°16 | 26°43 | 21°19 | 16°22 | 14°15 | 22°33 | 19°39 | 16°D42 | 16° 2 | 9°18 | 13°59 | M15 |
| T 16 | 19 57 29 | 28°21'46 | 9♉18 | 29° 6 | 24°39 | 27°21 | 21°11 | 16°18 | 14°18 | 22°35 | 19°39 | 16°43 | 15°59 | 9°25 | 14° 3 | T 16 |
| W17 | 20 1 26 | 29°19'13 | 22°41 | 1♌ 9 | 24° 3 | 27°59 | 21° 3 | 16°13 | 14°20 | 22°37 | 19°39 | 16°43 | 15°56 | 9°32 | 14° 7 | W17 |
| T 18 | 20 5 22 | 0♌16'42 | 6♊31 | 3°12 | 23°27 | 28°36 | 20°56 | 16° 9 | 14°23 | 22°39 | 19°39 | 16°44 | 15°53 | 9°38 | 14°11 | T 18 |
| F 19 | 20 9 19 | 1°14'12 | 20°46 | 5°13 | 22°52 | 29°14 | 20°48 | 16° 5 | 14°26 | 22°41 | 19°39 | 16°45 | 15°50 | 9°45 | 14°15 | F 19 |
| S 20 | 20 13 16 | 2°11'43 | 5♋25 | 7°12 | 22°19 | 29°52 | 20°41 | 16° 1 | 14°29 | 22°43 | 19°39 | 16°46 | 15°46 | 9°52 | 14°19 | S 20 |
| S 21 | 20 17 12 | 3° 9'16 | 20°23 | 9°11 | 21°47 | 0♍30 | 20°33 | 15°56 | 14°31 | 22°46 | 19°39 | 16°R46 | 15°43 | 9°58 | 14°23 | S 21 |
| M22 | 20 21 9 | 4° 6'50 | 5♌33 | 11° 8 | 21°16 | 1° 8 | 20°26 | 15°52 | 14°34 | 22°48 | 19°39 | 16°46 | 15°40 | 10° 5 | 14°27 | M22 |
| T 23 | 20 25 5 | 5° 4'25 | 20°45 | 13° 4 | 20°48 | 1°46 | 20°18 | 15°48 | 14°36 | 22°50 | 19°38 | 16°44 | 15°37 | 10°12 | 14°31 | T 23 |
| W24 | 20 29 2 | 6° 2'01 | 5♍49 | 14°58 | 20°21 | 2°24 | 20°11 | 15°44 | 14°39 | 22°52 | 19°38 | 16°42 | 15°34 | 10°18 | 14°35 | W24 |
| T 25 | 20 32 58 | 6°59'38 | 20°38 | 16°51 | 19°56 | 3° 2 | 20° 4 | 15°40 | 14°41 | 22°54 | 19°38 | 16°39 | 15°31 | 10°25 | 14°39 | T 25 |
| F 26 | 20 36 55 | 7°57'16 | 5♎ 3 | 18°42 | 19°33 | 3°40 | 19°57 | 15°36 | 14°44 | 22°56 | 19°38 | 16°37 | 15°27 | 10°32 | 14°42 | F 26 |
| S 27 | 20 40 51 | 8°54'55 | 19° 3 | 20°32 | 19°12 | 4°18 | 19°50 | 15°32 | 14°46 | 22°58 | 19°38 | 16°35 | 15°24 | 10°38 | 14°46 | S 27 |
| S 28 | 20 44 48 | 9°52'36 | 2♏35 | 22°20 | 18°54 | 4°56 | 19°43 | 15°29 | 14°49 | 23° 1 | 19°37 | 16°34 | 15°21 | 10°45 | 14°50 | S 28 |
| M29 | 20 48 45 | 10°50'17 | 15°42 | 24° 7 | 18°38 | 5°34 | 19°36 | 15°25 | 14°51 | 23° 3 | 19°37 | 16°D34 | 15°18 | 10°52 | 14°53 | M29 |
| T 30 | 20 52 41 | 11°48'00 | 28°27 | 25°53 | 18°24 | 6°12 | 19°30 | 15°21 | 14°53 | 23° 5 | 19°37 | 16°35 | 15°15 | 10°58 | 14°57 | T 30 |
| W31 | 20 56 38 | 12♌45'43 | 10♐52 | 27♌37 | 18♋12 | 6♍50 | 19♉23 | 15♉17 | 14♊56 | 23♌ 7 | 19♈36 | 16♋36 | 15♋12 | 11♒ 5 | 15♊ 0 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n49 | 8s53 | 5n 0 | 23n18 | 0s15 | 16n 6 | 3s39 | 16n37 | 1n 9 | 22s 8 | 0s34 | 22s29 | 0s 4 | 22n34 | 0n 2 | 14n50 | 0n39 | 7s56 | 16s54 | 22n30 | 22n30 | 20s12 | 18n29 | 4s 0 |
| T 2 | 22 42 | 13 12 | 4 29 | 23 31 | 0 3 | 15 57 | 3 53 | 16 25 | 1 9 | 22 9 | 0 35 | 22 29 | 0 4 | 22 34 | 0 2 | 14 49 | 0 39 | 7 57 | 16 55 | 22 30 | 22 30 | 20 11 | 18 29 | 4 1 |
| W 3 | 22 36 | 16 52 | 3 46 | 23 41 | 0n 9 | 15 48 | 4 7 | 16 13 | 1 9 | 22 11 | 0 35 | 22 30 | 0 4 | 22 35 | 0 2 | 14 49 | 0 39 | 7 57 | 16 55 | 22 30 | 22 30 | 20 10 | 18 30 | 4 1 |
| T 4 | 22 29 | 19 42 | 2 53 | 23 49 | 0 20 | 15 40 | 4 21 | 16 1 | 1 8 | 22 12 | 0 35 | 22 31 | 0 4 | 22 35 | 0 2 | 14 48 | 0 39 | 7 57 | 16 55 | 22 30 | 22 31 | 20 9 | 18 30 | 4 1 |
| F 5 | 22 21 | 21 36 | 1 53 | 23 55 | 0 31 | 15 33 | 4 35 | 15 48 | 1 8 | 22 14 | 0 35 | 22 31 | 0 4 | 22 36 | 0 2 | 14 47 | 0 39 | 7 57 | 16 56 | 22 30 | 22 31 | 20 8 | 18 30 | 4 1 |
| S 6 | 22 14 | 22 30 | 0 49 | 23 59 | 0 41 | 15 26 | 4 48 | 15 36 | 1 7 | 22 15 | 0 35 | 22 32 | 0 4 | 22 36 | 0 2 | 14 47 | 0 39 | 7 58 | 16 56 | 22 30 | 22 32 | 20 7 | 18 31 | 4 2 |
| S 7 | 22 5 | 22 21 | 0s17 | 24 0 | 0 51 | 15 20 | 5 1 | 15 23 | 1 7 | 22 16 | 0 35 | 22 32 | 0 4 | 22 36 | 0 2 | 14 46 | 0 39 | 7 58 | 16 56 | 22 30 | 22 32 | 20 6 | 18 31 | 4 2 |
| M 8 | 21 57 | 21 12 | 1 22 | 23 58 | 1 0 | 15 14 | 5 14 | 15 11 | 1 7 | 22 18 | 0 36 | 22 33 | 0 4 | 22 37 | 0 2 | 14 46 | 0 39 | 7 58 | 16 57 | 22 30 | 22 32 | 20 5 | 18 31 | 4 2 |
| T 9 | 21 48 | 19 7 | 2 23 | 23 53 | 1 8 | 15 8 | 5 27 | 14 58 | 1 6 | 22 19 | 0 36 | 22 34 | 0 4 | 22 37 | 0 2 | 14 45 | 0 39 | 7 58 | 16 57 | 22 30 | 22 33 | 20 4 | 18 32 | 4 2 |
| W10 | 21 39 | 16 14 | 3 18 | 23 46 | 1 15 | 15 3 | 5 39 | 14 45 | 1 6 | 22 21 | 0 36 | 22 34 | 0 4 | 22 38 | 0 2 | 14 44 | 0 39 | 7 59 | 16 57 | 22 30 | 22 33 | 20 3 | 18 32 | 4 3 |
| T 11 | 21 29 | 12 41 | 4 5 | 23 36 | 1 22 | 14 59 | 5 51 | 14 32 | 1 5 | 22 22 | 0 36 | 22 35 | 0 4 | 22 38 | 0 2 | 14 44 | 0 39 | 7 59 | 16 58 | 22 30 | 22 34 | 20 2 | 18 32 | 4 3 |
| F 12 | 21 19 | 8 36 | 4 41 | 23 23 | 1 28 | 14 55 | 6 2 | 14 19 | 1 5 | 22 23 | 0 36 | 22 36 | 0 5 | 22 38 | 0 2 | 14 43 | 0 39 | 7 59 | 16 58 | 22 30 | 22 34 | 20 1 | 18 32 | 4 3 |
| S 13 | 21 9 | 4 8 | 5 6 | 23 8 | 1 33 | 14 52 | 6 12 | 14 6 | 1 5 | 22 25 | 0 36 | 22 36 | 0 5 | 22 39 | 0 2 | 14 42 | 0 39 | 8 0 | 16 58 | 22 30 | 22 34 | 20 0 | 18 32 | 4 4 |
| S 14 | 20 58 | 0n34 | 5 17 | 22 50 | 1 37 | 14 49 | 6 22 | 13 53 | 1 4 | 22 26 | 0 36 | 22 37 | 0 5 | 22 39 | 0 2 | 14 42 | 0 39 | 8 0 | 16 59 | 22 30 | 22 35 | 19 59 | 18 33 | 4 4 |
| M15 | 20 47 | 5 21 | 5 13 | 22 30 | 1 40 | 14 47 | 6 31 | 13 40 | 1 4 | 22 27 | 0 37 | 22 38 | 0 5 | 22 39 | 0 2 | 14 41 | 0 39 | 8 0 | 16 59 | 22 30 | 22 35 | 19 58 | 18 33 | 4 4 |
| T 16 | 20 35 | 10 2 | 4 53 | 22 7 | 1 43 | 14 45 | 6 39 | 13 26 | 1 3 | 22 29 | 0 37 | 22 38 | 0 5 | 22 40 | 0 2 | 14 40 | 0 39 | 8 0 | 16 59 | 22 30 | 22 36 | 19 57 | 18 33 | 4 4 |
| W17 | 20 23 | 14 23 | 4 17 | 21 42 | 1 45 | 14 44 | 6 46 | 13 13 | 1 3 | 22 30 | 0 37 | 22 39 | 0 5 | 22 40 | 0 2 | 14 40 | 0 39 | 8 1 | 17 0 | 22 30 | 22 36 | 19 56 | 18 33 | 4 5 |
| T 18 | 20 11 | 18 8 | 3 25 | 21 16 | 1 46 | 14 43 | 6 53 | 12 59 | 1 2 | 22 31 | 0 37 | 22 39 | 0 5 | 22 40 | 0 2 | 14 39 | 0 39 | 8 1 | 17 0 | 22 30 | 22 36 | 19 55 | 18 33 | 4 5 |
| F 19 | 19 59 | 20 55 | 2 19 | 20 47 | 1 47 | 14 43 | 6 59 | 12 46 | 1 2 | 22 33 | 0 37 | 22 40 | 0 5 | 22 41 | 0 2 | 14 38 | 0 39 | 8 1 | 17 0 | 22 30 | 22 37 | 19 54 | 18 34 | 4 5 |
| S 20 | 19 46 | 22 24 | 1 2 | 20 17 | 1 47 | 14 43 | 7 4 | 12 32 | 1 2 | 22 34 | 0 37 | 22 41 | 0 5 | 22 41 | 0 2 | 14 38 | 0 39 | 8 2 | 17 1 | 22 30 | 22 37 | 19 53 | 18 34 | 4 6 |
| S 21 | 19 33 | 22 20 | 0n20 | 19 45 | 1 46 | 14 43 | 7 9 | 12 18 | 1 1 | 22 35 | 0 37 | 22 41 | 0 5 | 22 41 | 0 2 | 14 37 | 0 39 | 8 2 | 17 1 | 22 30 | 22 37 | 19 52 | 18 34 | 4 6 |
| M22 | 19 19 | 20 37 | 1 42 | 19 12 | 1 45 | 14 44 | 7 12 | 12 4 | 1 1 | 22 36 | 0 37 | 22 42 | 0 5 | 22 42 | 0 2 | 14 36 | 0 39 | 8 3 | 17 1 | 22 30 | 22 38 | 19 51 | 18 34 | 4 6 |
| T 23 | 19 5 | 17 26 | 2 57 | 18 37 | 1 43 | 14 46 | 7 15 | 11 50 | 1 0 | 22 38 | 0 37 | 22 42 | 0 6 | 22 42 | 0 2 | 14 35 | 0 39 | 8 3 | 17 2 | 22 30 | 22 38 | 19 50 | 18 34 | 4 7 |
| W24 | 18 51 | 13 7 | 3 59 | 18 1 | 1 40 | 14 48 | 7 17 | 11 36 | 1 0 | 22 39 | 0 38 | 22 43 | 0 6 | 22 42 | 0 2 | 14 35 | 0 39 | 8 3 | 17 2 | 22 30 | 22 39 | 19 49 | 18 34 | 4 7 |
| T 25 | 18 37 | 8 4 | 4 44 | 17 24 | 1 37 | 14 50 | 7 19 | 11 22 | 0 59 | 22 40 | 0 38 | 22 43 | 0 6 | 22 42 | 0 2 | 14 34 | 0 39 | 8 4 | 17 2 | 22 31 | 22 39 | 19 48 | 18 34 | 4 7 |
| F 26 | 18 22 | 2 42 | 5 9 | 16 47 | 1 34 | 14 52 | 7 20 | 11 8 | 0 59 | 22 41 | 0 38 | 22 44 | 0 6 | 22 43 | 0 2 | 14 33 | 0 39 | 8 4 | 17 3 | 22 31 | 22 39 | 19 47 | 18 34 | 4 8 |
| S 27 | 18 7 | 2s38 | 5 15 | 16 8 | 1 30 | 14 55 | 7 20 | 10 53 | 0 58 | 22 42 | 0 38 | 22 44 | 0 6 | 22 43 | 0 2 | 14 33 | 0 39 | 8 4 | 17 3 | 22 31 | 22 40 | 19 46 | 18 34 | 4 8 |
| S 28 | 17 52 | 7 41 | 5 3 | 15 29 | 1 26 | 14 58 | 7 19 | 10 39 | 0 58 | 22 43 | 0 38 | 22 45 | 0 6 | 22 43 | 0 2 | 14 32 | 0 39 | 8 5 | 17 3 | 22 31 | 22 40 | 19 45 | 18 34 | 4 8 |
| M29 | 17 36 | 12 13 | 4 36 | 14 49 | 1 21 | 15 2 | 7 18 | 10 24 | 0 58 | 22 44 | 0 38 | 22 46 | 0 6 | 22 44 | 0 2 | 14 31 | 0 39 | 8 5 | 17 4 | 22 31 | 22 40 | 19 44 | 18 35 | 4 9 |
| T 30 | 17 20 | 16 5 | 3 55 | 14 8 | 1 16 | 15 5 | 7 16 | 10 10 | 0 57 | 22 46 | 0 38 | 22 46 | 0 6 | 22 44 | 0 2 | 14 31 | 0 39 | 8 6 | 17 4 | 22 31 | 22 41 | 19 43 | 18 35 | 4 9 |
| W31 | 17n 4 | 19s 8 | 3n 4 | 13n28 | 1n10 | 15n 9 | 7s13 | 9n55 | 0n57 | 22s47 | 0s38 | 22s47 | 0s 6 | 22n44 | 0n 2 | 14n30 | 0n39 | 8s 6 | 17s 4 | 22n31 | 22n41 | 19s42 | 18n35 | 4s 9 |

Julian Day Number = 2125570.5, Delta T = 17m19s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'53, Lahiri = 11°24'53 Julian Calendar 1 July 1107 == Greg. Calendar 8 July 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## AUGUST 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 0 34 | 13♌43'28 | 23♐ 3 | 29♌20 | 18°R 3 | 7♍29 | 19°R17 | 15°R14 | 14♊58 | 23♌ 9 | 19°R36 | 16♋38 | 15♋ 8 | 11♒12 | 15♊ 4 | T 1 |
| F 2 | 21 4 31 | 14°41'14 | 5♑ 3 | 1♍ 1 | 17♋57 | 8° 7 | 19♑10 | 15♑10 | 15° 0 | 23°12 | 19♈36 | 16°39 | 15° 5 | 11°18 | 15° 7 | F 2 |
| S 3 | 21 8 27 | 15°39'01 | 16°57 | 2°41 | 17°53 | 8°45 | 19° 4 | 15° 7 | 15° 2 | 23°14 | 19°35 | 16°R40 | 15° 2 | 11°25 | 15°10 | S 3 |
| S 4 | 21 12 24 | 16°36'50 | 28°46 | 4°19 | 17°D51 | 9°24 | 18°58 | 15° 3 | 15° 4 | 23°16 | 19°35 | 16°39 | 14°59 | 11°32 | 15°14 | S 4 |
| M 5 | 21 16 20 | 17°34'40 | 10♒34 | 5°56 | 17°51 | 10° 2 | 18°52 | 15° 0 | 15° 6 | 23°18 | 19°34 | 16°37 | 14°56 | 11°38 | 15°17 | M 5 |
| T 6 | 21 20 17 | 18°32'32 | 22°24 | 7°32 | 17°54 | 10°40 | 18°46 | 14°56 | 15° 8 | 23°20 | 19°34 | 16°33 | 14°52 | 11°45 | 15°20 | T 6 |
| W 7 | 21 24 14 | 19°30'25 | 4♓16 | 9° 6 | 17°59 | 11°19 | 18°40 | 14°53 | 15°10 | 23°23 | 19°33 | 16°28 | 14°49 | 11°52 | 15°23 | W 7 |
| T 8 | 21 28 10 | 20°28'20 | 16°14 | 10°39 | 18° 6 | 11°57 | 18°35 | 14°50 | 15°12 | 23°25 | 19°33 | 16°22 | 14°46 | 11°58 | 15°26 | T 8 |
| F 9 | 21 32 7 | 21°26'17 | 28°19 | 12°11 | 18°16 | 12°36 | 18°29 | 14°47 | 15°14 | 23°27 | 19°32 | 16°16 | 14°43 | 12° 5 | 15°29 | F 9 |
| S 10 | 21 36 3 | 22°24'15 | 10♈33 | 13°41 | 18°27 | 13°14 | 18°24 | 14°44 | 15°16 | 23°29 | 19°32 | 16°10 | 14°40 | 12°12 | 15°32 | S 10 |
| S 11 | 21 40 0 | 23°22'15 | 22°59 | 15°10 | 18°41 | 13°53 | 18°19 | 14°41 | 15°18 | 23°32 | 19°31 | 16° 5 | 14°37 | 12°18 | 15°35 | S 11 |
| M12 | 21 43 56 | 24°20'17 | 5♉39 | 16°38 | 18°57 | 14°32 | 18°14 | 14°38 | 15°20 | 23°34 | 19°31 | 16° 2 | 14°33 | 12°25 | 15°37 | M12 |
| T 13 | 21 47 53 | 25°18'21 | 18°36 | 18° 4 | 19°14 | 15°10 | 18° 9 | 14°35 | 15°21 | 23°36 | 19°30 | 16° 1 | 14°30 | 12°32 | 15°40 | T 13 |
| W14 | 21 51 49 | 26°16'27 | 1♊52 | 19°29 | 19°34 | 15°49 | 18° 5 | 14°32 | 15°23 | 23°38 | 19°30 | 16°D 0 | 14°27 | 12°38 | 15°43 | W14 |
| T 15 | 21 55 46 | 27°14'35 | 15°31 | 20°53 | 19°55 | 16°28 | 18° 0 | 14°30 | 15°25 | 23°40 | 19°29 | 16° 1 | 14°24 | 12°45 | 15°45 | T 15 |
| F 16 | 21 59 43 | 28°12'46 | 29°35 | 22°15 | 20°18 | 17° 7 | 17°56 | 14°27 | 15°26 | 23°43 | 19°28 | 16° 3 | 14°21 | 12°51 | 15°48 | F 16 |
| S 17 | 22 3 39 | 29°10'58 | 14♋ 1 | 23°35 | 20°43 | 17°46 | 17°52 | 14°25 | 15°28 | 23°45 | 19°28 | 16°R 4 | 14°18 | 12°58 | 15°50 | S 17 |
| S 18 | 22 7 36 | 0♍ 9'13 | 28°49 | 24°54 | 21°10 | 18°24 | 17°48 | 14°22 | 15°29 | 23°47 | 19°27 | 16° 3 | 14°14 | 13° 5 | 15°53 | S 18 |
| M19 | 22 11 32 | 1° 7'29 | 13♌52 | 26°11 | 21°38 | 19° 3 | 17°44 | 14°20 | 15°31 | 23°49 | 19°26 | 16° 0 | 14°11 | 13°11 | 15°55 | M19 |
| T 20 | 22 15 29 | 2° 5'47 | 29° 3 | 27°27 | 22° 7 | 19°42 | 17°40 | 14°18 | 15°32 | 23°52 | 19°26 | 15°56 | 14° 8 | 13°18 | 15°57 | T 20 |
| W21 | 22 19 25 | 3° 4'07 | 14♍11 | 28°41 | 22°38 | 20°21 | 17°37 | 14°15 | 15°34 | 23°54 | 19°25 | 15°49 | 14° 5 | 13°25 | 16° 0 | W21 |
| T 22 | 22 23 22 | 4° 2'29 | 29° 7 | 29°54 | 23°11 | 21° 1 | 17°34 | 14°13 | 15°35 | 23°56 | 19°24 | 15°42 | 14° 2 | 13°31 | 16° 2 | T 22 |
| F 23 | 22 27 18 | 5° 0'52 | 13♎42 | 1♎ 4 | 23°45 | 21°40 | 17°31 | 14°11 | 15°36 | 23°58 | 19°23 | 15°35 | 13°58 | 13°38 | 16° 4 | F 23 |
| S 24 | 22 31 15 | 5°59'17 | 27°50 | 2°13 | 24°20 | 22°19 | 17°28 | 14° 9 | 15°37 | 24° 0 | 19°23 | 15°28 | 13°55 | 13°45 | 16° 6 | S 24 |
| S 25 | 22 35 12 | 6°57'44 | 11♏29 | 3°19 | 24°56 | 22°58 | 17°25 | 14° 8 | 15°38 | 24° 3 | 19°22 | 15°23 | 13°52 | 13°51 | 16° 8 | S 25 |
| M26 | 22 39 8 | 7°56'13 | 24°40 | 4°24 | 25°34 | 23°37 | 17°23 | 14° 6 | 15°40 | 24° 5 | 19°21 | 15°20 | 13°49 | 13°58 | 16° 9 | M26 |
| T 27 | 22 43 5 | 8°54'43 | 7♐25 | 5°26 | 26°13 | 24°16 | 17°20 | 14° 4 | 15°41 | 24° 7 | 19°20 | 15°D19 | 13°46 | 14° 5 | 16°11 | T 27 |
| W28 | 22 47 1 | 9°53'15 | 19°49 | 6°25 | 26°53 | 24°56 | 17°18 | 14° 3 | 15°42 | 24° 9 | 19°19 | 15°20 | 13°43 | 14°11 | 16°13 | W28 |
| T 29 | 22 50 58 | 10°51'48 | 1♑56 | 7°22 | 27°34 | 25°35 | 17°16 | 14° 1 | 15°43 | 24°11 | 19°19 | 15°21 | 13°39 | 14°18 | 16°15 | T 29 |
| F 30 | 22 54 54 | 11°50'24 | 13°52 | 8°16 | 28°16 | 26°14 | 17°14 | 14° 0 | 15°43 | 24°13 | 19°18 | 15°R22 | 13°36 | 14°25 | 16°16 | F 30 |
| S 31 | 22 58 51 | 12♍49'01 | 25♑42 | 9♎ 7 | 28♋59 | 26♍54 | 17♑13 | 13♑59 | 15♊44 | 24♌16 | 19♈17 | 15♋21 | 13♋33 | 14♒31 | 16♊18 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n47 | 21s16 | 2n 6 | 12n46 | 1n 5 | 15n13 | 7s11 | 9n40 | 0n56 | 22s48 | 0s38 | 22s47 | 0s 6 | 22n44 | 0n 2 | 14n29 | 0n39 | 8s 6 | 17s 5 | 22n31 | 22n41 | 19s41 | 18n35 | 4s10 |
| F 2 | 16 30 | 22 24 | 1 3 | 12 5 | 0 58 | 15 17 | 7 7 | 9 26 | 0 56 | 22 49 | 0 38 | 22 48 | 0 6 | 22 45 | 0 2 | 14 28 | 0 39 | 8 7 | 17 5 | 22 31 | 22 42 | 19 39 | 18 35 | 4 10 |
| S 3 | 16 13 | 22 30 | 0s 2 | 11 23 | 0 52 | 15 21 | 7 3 | 9 11 | 0 55 | 22 49 | 0 38 | 22 48 | 0 6 | 22 45 | 0 2 | 14 28 | 0 39 | 8 7 | 17 5 | 22 31 | 22 42 | 19 38 | 18 35 | 4 10 |
| S 4 | 15 56 | 21 35 | 1 6 | 10 41 | 0 45 | 15 26 | 6 59 | 8 56 | 0 55 | 22 50 | 0 38 | 22 48 | 0 7 | 22 45 | 0 2 | 14 27 | 0 39 | 8 8 | 17 6 | 22 31 | 22 42 | 19 37 | 18 35 | 4 11 |
| M 5 | 15 38 | 19 43 | 2 7 | 9 58 | 0 39 | 15 30 | 6 54 | 8 41 | 0 54 | 22 51 | 0 39 | 22 49 | 0 7 | 22 45 | 0 2 | 14 26 | 0 39 | 8 8 | 17 6 | 22 31 | 22 43 | 19 36 | 18 35 | 4 11 |
| T 6 | 15 20 | 17 0 | 3 3 | 9 16 | 0 31 | 15 35 | 6 50 | 8 26 | 0 54 | 22 52 | 0 39 | 22 49 | 0 7 | 22 46 | 0 2 | 14 25 | 0 39 | 8 9 | 17 6 | 22 31 | 22 43 | 19 35 | 18 35 | 4 12 |
| W 7 | 15 2 | 13 34 | 3 51 | 8 34 | 0 24 | 15 40 | 6 44 | 8 11 | 0 54 | 22 53 | 0 39 | 22 50 | 0 7 | 22 46 | 0 2 | 14 25 | 0 39 | 8 9 | 17 6 | 22 32 | 22 44 | 19 34 | 18 34 | 4 12 |
| T 8 | 14 44 | 9 35 | 4 29 | 7 52 | 0 16 | 15 44 | 6 39 | 7 56 | 0 53 | 22 54 | 0 39 | 22 50 | 0 7 | 22 46 | 0 2 | 14 24 | 0 39 | 8 10 | 17 7 | 22 33 | 22 44 | 19 33 | 18 34 | 4 12 |
| F 9 | 14 25 | 5 11 | 4 56 | 7 9 | 0 9 | 15 49 | 6 33 | 7 40 | 0 53 | 22 55 | 0 39 | 22 51 | 0 7 | 22 46 | 0 2 | 14 23 | 0 39 | 8 10 | 17 7 | 22 33 | 22 44 | 19 32 | 18 34 | 4 13 |
| S 10 | 14 7 | 0 33 | 5 9 | 6 27 | 0 1 | 15 53 | 6 27 | 7 25 | 0 52 | 22 55 | 0 39 | 22 51 | 0 7 | 22 47 | 0 2 | 14 23 | 0 40 | 8 10 | 17 7 | 22 34 | 22 45 | 19 30 | 18 34 | 4 13 |
| S 11 | 13 48 | 4n12 | 5 9 | 5 46 | 0s 7 | 15 58 | 6 20 | 7 10 | 0 52 | 22 56 | 0 39 | 22 52 | 0 7 | 22 47 | 0 2 | 14 22 | 0 40 | 8 11 | 17 8 | 22 35 | 22 45 | 19 29 | 18 34 | 4 13 |
| M12 | 13 28 | 8 52 | 4 53 | 5 4 | 0 15 | 16 2 | 6 14 | 6 54 | 0 51 | 22 57 | 0 39 | 22 52 | 0 7 | 22 47 | 0 2 | 14 21 | 0 40 | 8 11 | 17 8 | 22 35 | 22 45 | 19 28 | 18 34 | 4 14 |
| T 13 | 13 9 | 13 14 | 4 22 | 4 23 | 0 24 | 16 6 | 6 7 | 6 39 | 0 51 | 22 58 | 0 39 | 22 52 | 0 7 | 22 47 | 0 2 | 14 20 | 0 40 | 8 12 | 17 8 | 22 35 | 22 46 | 19 27 | 18 34 | 4 14 |
| W14 | 12 49 | 17 6 | 3 37 | 3 42 | 0 32 | 16 11 | 6 0 | 6 23 | 0 50 | 22 58 | 0 39 | 22 53 | 0 7 | 22 47 | 0 2 | 14 20 | 0 40 | 8 12 | 17 8 | 22 35 | 22 46 | 19 26 | 18 34 | 4 15 |
| T 15 | 12 29 | 20 9 | 2 38 | 3 1 | 0 40 | 16 14 | 5 53 | 6 8 | 0 50 | 22 59 | 0 39 | 22 53 | 0 7 | 22 48 | 0 2 | 14 19 | 0 40 | 8 13 | 17 9 | 22 35 | 22 46 | 19 25 | 18 34 | 4 15 |
| F 16 | 12 9 | 22 5 | 1 28 | 2 21 | 0 49 | 16 18 | 5 46 | 5 52 | 0 49 | 23 0 | 0 39 | 22 53 | 0 7 | 22 48 | 0 3 | 14 18 | 0 40 | 8 13 | 17 9 | 22 35 | 22 47 | 19 24 | 18 34 | 4 15 |
| S 17 | 11 49 | 22 38 | 0 11 | 1 41 | 0 58 | 16 22 | 5 39 | 5 37 | 0 49 | 23 0 | 0 39 | 22 54 | 0 8 | 22 48 | 0 3 | 14 17 | 0 40 | 8 14 | 17 9 | 22 35 | 22 47 | 19 22 | 18 33 | 4 16 |
| S 18 | 11 28 | 21 37 | 1n 9 | 1 1 | 1 6 | 16 25 | 5 32 | 5 21 | 0 48 | 23 1 | 0 39 | 22 54 | 0 8 | 22 48 | 0 3 | 14 17 | 0 40 | 8 14 | 17 10 | 22 35 | 22 47 | 19 21 | 18 33 | 4 16 |
| M19 | 11 8 | 19 3 | 2 25 | 0 23 | 1 15 | 16 28 | 5 24 | 5 5 | 0 48 | 23 1 | 0 39 | 22 54 | 0 8 | 22 48 | 0 3 | 14 16 | 0 40 | 8 15 | 17 10 | 22 35 | 22 48 | 19 20 | 18 33 | 4 17 |
| T 20 | 10 47 | 15 9 | 3 31 | 0s15 | 1 23 | 16 31 | 5 17 | 4 49 | 0 48 | 23 2 | 0 39 | 22 55 | 0 8 | 22 48 | 0 3 | 14 15 | 0 40 | 8 15 | 17 10 | 22 36 | 22 48 | 19 19 | 18 33 | 4 17 |
| W21 | 10 26 | 10 17 | 4 22 | 0 53 | 1 32 | 16 34 | 5 9 | 4 33 | 0 47 | 23 2 | 0 39 | 22 55 | 0 8 | 22 49 | 0 3 | 14 15 | 0 40 | 8 16 | 17 10 | 22 37 | 22 48 | 19 18 | 18 33 | 4 17 |
| T 22 | 10 4 | 4 52 | 4 55 | 1 30 | 1 41 | 16 36 | 5 2 | 4 18 | 0 47 | 23 3 | 0 39 | 22 55 | 0 8 | 22 49 | 0 3 | 14 14 | 0 40 | 8 16 | 17 11 | 22 38 | 22 49 | 19 16 | 18 33 | 4 18 |
| F 23 | 9 43 | 0s42 | 5 7 | 2 6 | 1 49 | 16 38 | 4 54 | 4 2 | 0 46 | 23 3 | 0 39 | 22 56 | 0 8 | 22 49 | 0 3 | 14 13 | 0 40 | 8 17 | 17 11 | 22 38 | 22 49 | 19 15 | 18 32 | 4 18 |
| S 24 | 9 22 | 6 4 | 5 1 | 2 41 | 1 58 | 16 39 | 4 46 | 3 46 | 0 46 | 23 4 | 0 39 | 22 56 | 0 8 | 22 49 | 0 3 | 14 12 | 0 40 | 8 17 | 17 11 | 22 39 | 22 49 | 19 14 | 18 32 | 4 19 |
| S 25 | 9 0 | 10 58 | 4 37 | 3 15 | 2 6 | 16 41 | 4 39 | 3 30 | 0 45 | 23 4 | 0 39 | 22 56 | 0 8 | 22 49 | 0 3 | 14 12 | 0 40 | 8 18 | 17 11 | 22 40 | 22 50 | 19 13 | 18 32 | 4 19 |
| M26 | 8 38 | 15 10 | 3 58 | 3 49 | 2 15 | 16 41 | 4 31 | 3 14 | 0 45 | 23 4 | 0 39 | 22 56 | 0 8 | 22 49 | 0 3 | 14 11 | 0 40 | 8 18 | 17 11 | 22 40 | 22 50 | 19 12 | 18 32 | 4 20 |
| T 27 | 8 16 | 18 32 | 3 10 | 4 21 | 2 23 | 16 42 | 4 23 | 2 58 | 0 44 | 23 5 | 0 39 | 22 57 | 0 8 | 22 49 | 0 3 | 14 10 | 0 40 | 8 19 | 17 12 | 22 40 | 22 50 | 19 10 | 18 31 | 4 20 |
| W28 | 7 54 | 20 57 | 2 13 | 4 52 | 2 31 | 16 42 | 4 16 | 2 41 | 0 44 | 23 5 | 0 39 | 22 57 | 0 8 | 22 50 | 0 3 | 14 10 | 0 40 | 8 19 | 17 12 | 22 40 | 22 51 | 19 9 | 18 31 | 4 20 |
| T 29 | 7 32 | 22 21 | 1 12 | 5 22 | 2 39 | 16 42 | 4 8 | 2 25 | 0 43 | 23 5 | 0 40 | 22 57 | 0 8 | 22 50 | 0 3 | 14 9 | 0 40 | 8 20 | 17 12 | 22 40 | 22 51 | 19 8 | 18 31 | 4 21 |
| F 30 | 7 9 | 22 42 | 0 8 | 5 51 | 2 47 | 16 41 | 4 0 | 2 9 | 0 43 | 23 5 | 0 40 | 22 57 | 0 9 | 22 50 | 0 3 | 14 8 | 0 40 | 8 20 | 17 12 | 22 40 | 22 51 | 19 7 | 18 31 | 4 21 |
| S 31 | 6n47 | 22s 1 | 0s55 | 6s18 | 2s54 | 16n40 | 3s52 | 1n53 | 0n42 | 23s 6 | 0s40 | 22s58 | 0s 9 | 22n50 | 0n 3 | 14n 7 | 0n40 | 8s21 | 17s13 | 22n40 | 22n52 | 19s 5 | 18n30 | 4s22 |

Julian Day Number = 2125601.5, Delta T = 17m18s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°17'57, Lahiri = 11°24'57 Julian Calendar 1 Aug. 1107 == Greg. Calendar 8 Aug. 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## SEPTEMBER 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 2 47 | 13♍47'40 | 7♒29 | 9♎55 | 29♋44 | 27♍33 | 17°R11 | 13°R57 | 15♊45 | 24♌18 | 19°R16 | 15°R18 | 13♋30 | 14♒38 | 16♊19 | S 1 |
| M 2 | 23 6 44 | 14°46'20 | 19°18 | 10°39 | 0♌29 | 28°13 | 17♏10 | 13♏56 | 15°46 | 24°20 | 19♈15 | 15♋13 | 13°27 | 14°45 | 16°20 | M 2 |
| T 3 | 23 10 41 | 15°45'03 | 1♓12 | 11°20 | 1°15 | 28°52 | 17° 9 | 13°55 | 15°47 | 24°22 | 19°14 | 15° 6 | 13°23 | 14°51 | 16°22 | T 3 |
| W 4 | 23 14 37 | 16°43'47 | 13°12 | 11°56 | 2° 2 | 29°32 | 17° 9 | 13°54 | 15°47 | 24°24 | 19°13 | 14°56 | 13°20 | 14°58 | 16°23 | W 4 |
| T 5 | 23 18 34 | 17°42'34 | 25°20 | 12°28 | 2°50 | 0♎12 | 17° 8 | 13°54 | 15°48 | 24°26 | 19°12 | 14°45 | 13°17 | 15° 5 | 16°24 | T 5 |
| F 6 | 23 22 30 | 18°41'22 | 7♈37 | 12°56 | 3°38 | 0°51 | 17° 8 | 13°53 | 15°48 | 24°28 | 19°11 | 14°33 | 13°14 | 15°11 | 16°25 | F 6 |
| S 7 | 23 26 27 | 19°40'13 | 20° 4 | 13°18 | 4°28 | 1°31 | 17°D 7 | 13°52 | 15°49 | 24°30 | 19°10 | 14°21 | 13°11 | 15°18 | 16°26 | S 7 |
| S 8 | 23 30 23 | 20°39'06 | 2♉42 | 13°34 | 5°18 | 2°11 | 17° 7 | 13°52 | 15°49 | 24°32 | 19° 9 | 14°11 | 13° 8 | 15°25 | 16°27 | S 8 |
| M 9 | 23 34 20 | 21°38'01 | 15°31 | 13°44 | 6° 9 | 2°51 | 17° 8 | 13°51 | 15°50 | 24°34 | 19° 8 | 14° 4 | 13° 4 | 15°31 | 16°27 | M 9 |
| T 10 | 23 38 16 | 22°36'58 | 28°33 | 13°R49 | 7° 0 | 3°30 | 17° 8 | 13°51 | 15°50 | 24°36 | 19° 7 | 13°59 | 13° 1 | 15°38 | 16°28 | T 10 |
| W11 | 23 42 13 | 23°35'58 | 11♊50 | 13°46 | 7°53 | 4°10 | 17° 9 | 13°51 | 15°50 | 24°38 | 19° 6 | 13°57 | 12°58 | 15°45 | 16°29 | W11 |
| T 12 | 23 46 9 | 24°35'00 | 25°24 | 13°36 | 8°46 | 4°50 | 17° 9 | 13°D51 | 15°50 | 24°40 | 19° 5 | 13°D56 | 12°55 | 15°51 | 16°29 | T 12 |
| F 13 | 23 50 6 | 25°34'05 | 9♋16 | 13°18 | 9°40 | 5°30 | 17°10 | 13°51 | 15°51 | 24°42 | 19° 4 | 13°R56 | 12°52 | 15°58 | 16°30 | F 13 |
| S 14 | 23 54 3 | 26°33'12 | 23°27 | 12°53 | 10°34 | 6°10 | 17°12 | 13°51 | 15°51 | 24°44 | 19° 3 | 13°56 | 12°49 | 16° 5 | 16°30 | S 14 |
| S 15 | 23 57 59 | 27°32'21 | 7♌57 | 12°20 | 11°29 | 6°50 | 17°13 | 13°51 | 15°51 | 24°46 | 19° 2 | 13°54 | 12°45 | 16°11 | 16°31 | S 15 |
| M16 | 0 1 56 | 28°31'33 | 22°41 | 11°40 | 12°25 | 7°30 | 17°15 | 13°52 | 15°R51 | 24°48 | 19° 1 | 13°50 | 12°42 | 16°18 | 16°31 | M16 |
| T 17 | 0 5 52 | 29°30'47 | 7♍35 | 10°52 | 13°21 | 8°11 | 17°16 | 13°52 | 15°51 | 24°50 | 19° 0 | 13°43 | 12°39 | 16°25 | 16°31 | T 17 |
| W18 | 0 9 49 | 0♎30'03 | 22°30 | 9°57 | 14°17 | 8°51 | 17°18 | 13°52 | 15°51 | 24°52 | 18°59 | 13°33 | 12°36 | 16°31 | 16°31 | W18 |
| T 19 | 0 13 45 | 1°29'21 | 7♎18 | 8°55 | 15°14 | 9°31 | 17°20 | 13°53 | 15°51 | 24°54 | 18°58 | 13°22 | 12°33 | 16°38 | 16°R31 | T 19 |
| F 20 | 0 17 42 | 2°28'41 | 21°50 | 7°49 | 16°12 | 10°11 | 17°23 | 13°54 | 15°50 | 24°56 | 18°57 | 13°10 | 12°29 | 16°45 | 16°31 | F 20 |
| S 21 | 0 21 38 | 3°28'04 | 5♏59 | 6°39 | 17°10 | 10°52 | 17°25 | 13°55 | 15°50 | 24°58 | 18°56 | 13° 0 | 12°26 | 16°51 | 16°31 | S 21 |
| S 22 | 0 25 35 | 4°27'28 | 19°41 | 5°28 | 18° 9 | 11°32 | 17°28 | 13°55 | 15°50 | 24°59 | 18°55 | 12°51 | 12°23 | 16°58 | 16°31 | S 22 |
| M23 | 0 29 32 | 5°26'54 | 2♐55 | 4°16 | 19° 8 | 12°12 | 17°31 | 13°56 | 15°49 | 25° 1 | 18°54 | 12°45 | 12°20 | 17° 5 | 16°31 | M23 |
| T 24 | 0 33 28 | 6°26'22 | 15°43 | 3° 7 | 20° 8 | 12°53 | 17°34 | 13°58 | 15°49 | 25° 3 | 18°53 | 12°42 | 12°17 | 17°11 | 16°30 | T 24 |
| W25 | 0 37 25 | 7°25'52 | 28° 9 | 2° 1 | 21° 8 | 13°33 | 17°37 | 13°59 | 15°49 | 25° 5 | 18°52 | 12°40 | 12°14 | 17°18 | 16°30 | W25 |
| T 26 | 0 41 21 | 8°25'23 | 10♑17 | 1° 2 | 22° 8 | 14°14 | 17°41 | 14° 0 | 15°48 | 25° 6 | 18°50 | 12°40 | 12°10 | 17°25 | 16°29 | T 26 |
| F 27 | 0 45 18 | 9°24'57 | 22°14 | 0°10 | 23° 9 | 14°55 | 17°45 | 14° 1 | 15°47 | 25° 8 | 18°49 | 12°40 | 12° 7 | 17°31 | 16°29 | F 27 |
| S 28 | 0 49 14 | 10°24'32 | 4♒ 3 | 29♍27 | 24°10 | 15°35 | 17°49 | 14° 3 | 15°47 | 25°10 | 18°48 | 12°39 | 12° 4 | 17°38 | 16°28 | S 28 |
| S 29 | 0 53 11 | 11°24'09 | 15°51 | 28°55 | 25°12 | 16°16 | 17°53 | 14° 5 | 15°46 | 25°12 | 18°47 | 12°35 | 12° 1 | 17°45 | 16°27 | S 29 |
| M30 | 0 57 7 | 12♎23'48 | 27♒43 | 28♍34 | 26♌14 | 16♎57 | 17♑57 | 14♑ 6 | 15♊45 | 25♌13 | 18♈46 | 12♋29 | 11♋58 | 17♒52 | 16♊26 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n24 | 20s21 | 1s56 | 6s43 | 3s 1 | 16n38 | 3s45 | 1n37 | 0n42 | 23s 6 | 0s40 | 22s58 | 0s 9 | 22n50 | 0n 3 | 14n 7 | 0n40 | 8s21 | 17s13 | 22n40 | 22n52 | 19s 4 | 18n30 | 4s22 |
| M 2 | 6 1 | 17 49 | 2 51 | 7 7 | 3 8 | 16 37 | 3 37 | 1 21 | 0 41 | 23 6 | 0 40 | 22 58 | 0 9 | 22 50 | 0 3 | 14 6 | 0 40 | 8 22 | 17 13 | 22 41 | 22 52 | 19 3 | 18 30 | 4 23 |
| T 3 | 5 39 | 14 31 | 3 39 | 7 29 | 3 14 | 16 34 | 3 30 | 1 4 | 0 41 | 23 6 | 0 40 | 22 58 | 0 9 | 22 50 | 0 3 | 14 5 | 0 40 | 8 22 | 17 13 | 22 42 | 22 53 | 19 2 | 18 29 | 4 23 |
| W 4 | 5 16 | 10 36 | 4 18 | 7 49 | 3 20 | 16 31 | 3 22 | 0 48 | 0 40 | 23 6 | 0 40 | 22 58 | 0 9 | 22 50 | 0 3 | 14 5 | 0 40 | 8 23 | 17 13 | 22 43 | 22 53 | 19 0 | 18 29 | 4 24 |
| T 5 | 4 53 | 6 14 | 4 46 | 8 6 | 3 26 | 16 28 | 3 14 | 0 32 | 0 40 | 23 6 | 0 40 | 22 58 | 0 9 | 22 50 | 0 3 | 14 4 | 0 40 | 8 23 | 17 14 | 22 44 | 22 53 | 18 59 | 18 29 | 4 24 |
| F 6 | 4 30 | 1 34 | 5 1 | 8 22 | 3 31 | 16 24 | 3 7 | 0 15 | 0 39 | 23 6 | 0 40 | 22 59 | 0 9 | 22 50 | 0 3 | 14 3 | 0 40 | 8 24 | 17 14 | 22 45 | 22 54 | 18 58 | 18 28 | 4 24 |
| S 7 | 4 7 | 3n14 | 5 1 | 8 34 | 3 35 | 16 20 | 3 0 | 0s 1 | 0 39 | 23 6 | 0 40 | 22 59 | 0 9 | 22 50 | 0 3 | 14 3 | 0 40 | 8 24 | 17 14 | 22 47 | 22 54 | 18 56 | 18 28 | 4 25 |
| S 8 | 3 43 | 7 58 | 4 47 | 8 44 | 3 38 | 16 15 | 2 52 | 0 17 | 0 38 | 23 6 | 0 40 | 22 59 | 0 9 | 22 51 | 0 3 | 14 2 | 0 40 | 8 25 | 17 14 | 22 48 | 22 54 | 18 55 | 18 28 | 4 25 |
| M 9 | 3 20 | 12 26 | 4 19 | 8 50 | 3 41 | 16 10 | 2 45 | 0 34 | 0 38 | 23 6 | 0 40 | 22 59 | 0 9 | 22 51 | 0 3 | 14 1 | 0 40 | 8 25 | 17 14 | 22 48 | 22 55 | 18 54 | 18 27 | 4 26 |
| T 10 | 2 57 | 16 25 | 3 37 | 8 53 | 3 42 | 16 4 | 2 37 | 0 50 | 0 37 | 23 6 | 0 40 | 22 59 | 0 9 | 22 51 | 0 3 | 14 1 | 0 40 | 8 26 | 17 14 | 22 49 | 22 55 | 18 53 | 18 27 | 4 26 |
| W11 | 2 33 | 19 39 | 2 42 | 8 53 | 3 43 | 15 58 | 2 30 | 1 6 | 0 37 | 23 6 | 0 40 | 22 59 | 0 9 | 22 51 | 0 3 | 14 0 | 0 40 | 8 26 | 17 14 | 22 49 | 22 55 | 18 51 | 18 27 | 4 27 |
| T 12 | 2 10 | 21 52 | 1 37 | 8 48 | 3 42 | 15 51 | 2 23 | 1 23 | 0 36 | 23 6 | 0 40 | 22 59 | 0 9 | 22 51 | 0 3 | 13 59 | 0 40 | 8 27 | 17 15 | 22 49 | 22 55 | 18 50 | 18 26 | 4 27 |
| F 13 | 1 46 | 22 49 | 0 25 | 8 39 | 3 40 | 15 44 | 2 16 | 1 39 | 0 36 | 23 6 | 0 40 | 22 59 | 0 9 | 22 51 | 0 3 | 13 59 | 0 40 | 8 27 | 17 15 | 22 49 | 22 56 | 18 49 | 18 26 | 4 28 |
| S 14 | 1 23 | 22 20 | 0n50 | 8 26 | 3 37 | 15 36 | 2 9 | 1 55 | 0 35 | 23 6 | 0 40 | 22 59 | 0 10 | 22 51 | 0 3 | 13 58 | 0 40 | 8 28 | 17 15 | 22 49 | 22 56 | 18 47 | 18 25 | 4 28 |
| S 15 | 0 59 | 20 22 | 2 4 | 8 8 | 3 31 | 15 28 | 2 2 | 2 12 | 0 35 | 23 6 | 0 40 | 22 59 | 0 10 | 22 51 | 0 3 | 13 57 | 0 40 | 8 28 | 17 15 | 22 49 | 22 56 | 18 46 | 18 25 | 4 28 |
| M16 | 0 35 | 17 1 | 3 10 | 7 46 | 3 24 | 15 19 | 1 55 | 2 28 | 0 34 | 23 5 | 0 40 | 22 59 | 0 10 | 22 51 | 0 3 | 13 57 | 0 40 | 8 29 | 17 15 | 22 50 | 22 57 | 18 45 | 18 25 | 4 29 |
| T 17 | 0 12 | 12 32 | 4 4 | 7 19 | 3 16 | 15 10 | 1 48 | 2 45 | 0 34 | 23 5 | 0 40 | 22 59 | 0 10 | 22 51 | 0 3 | 13 56 | 0 40 | 8 29 | 17 15 | 22 51 | 22 57 | 18 43 | 18 24 | 4 29 |
| W18 | 0s12 | 7 17 | 4 41 | 6 47 | 3 5 | 15 0 | 1 41 | 3 1 | 0 33 | 23 5 | 0 40 | 22 59 | 0 10 | 22 51 | 0 3 | 13 56 | 0 40 | 8 30 | 17 15 | 22 52 | 22 57 | 18 42 | 18 24 | 4 30 |
| T 19 | 0 36 | 1 40 | 4 59 | 6 11 | 2 52 | 14 50 | 1 35 | 3 17 | 0 33 | 23 5 | 0 40 | 22 59 | 0 10 | 22 51 | 0 3 | 13 55 | 0 40 | 8 30 | 17 15 | 22 53 | 22 58 | 18 41 | 18 23 | 4 30 |
| F 20 | 0 59 | 3s57 | 4 58 | 5 32 | 2 38 | 14 40 | 1 28 | 3 34 | 0 32 | 23 4 | 0 40 | 22 59 | 0 10 | 22 51 | 0 3 | 13 54 | 0 40 | 8 31 | 17 16 | 22 54 | 22 58 | 18 39 | 18 23 | 4 31 |
| S 21 | 1 23 | 9 13 | 4 37 | 4 49 | 2 21 | 14 28 | 1 21 | 3 50 | 0 31 | 23 4 | 0 40 | 22 59 | 0 10 | 22 51 | 0 3 | 13 54 | 0 40 | 8 31 | 17 16 | 22 55 | 22 58 | 18 38 | 18 22 | 4 31 |
| S 22 | 1 47 | 13 52 | 4 2 | 4 4 | 2 4 | 14 17 | 1 15 | 4 7 | 0 31 | 23 4 | 0 40 | 22 59 | 0 10 | 22 51 | 0 3 | 13 53 | 0 40 | 8 32 | 17 16 | 22 56 | 22 58 | 18 37 | 18 22 | 4 32 |
| M23 | 2 10 | 17 40 | 3 14 | 3 18 | 1 45 | 14 4 | 1 8 | 4 23 | 0 30 | 23 3 | 0 39 | 22 59 | 0 10 | 22 51 | 0 3 | 13 53 | 0 40 | 8 32 | 17 16 | 22 56 | 22 59 | 18 35 | 18 21 | 4 32 |
| T 24 | 2 34 | 20 30 | 2 18 | 2 32 | 1 25 | 13 52 | 1 2 | 4 39 | 0 30 | 23 3 | 0 39 | 22 59 | 0 10 | 22 51 | 0 3 | 13 52 | 0 40 | 8 33 | 17 16 | 22 57 | 22 59 | 18 34 | 18 21 | 4 32 |
| W25 | 2 58 | 22 16 | 1 16 | 1 47 | 1 4 | 13 38 | 0 56 | 4 56 | 0 29 | 23 2 | 0 39 | 22 59 | 0 10 | 22 51 | 0 3 | 13 51 | 0 40 | 8 33 | 17 16 | 22 57 | 22 59 | 18 33 | 18 20 | 4 33 |
| T 26 | 3 21 | 22 57 | 0 13 | 1 5 | 0 44 | 13 25 | 0 50 | 5 12 | 0 29 | 23 2 | 0 39 | 22 59 | 0 10 | 22 51 | 0 3 | 13 51 | 0 40 | 8 34 | 17 16 | 22 57 | 23 0 | 18 31 | 18 20 | 4 33 |
| F 27 | 3 45 | 22 32 | 0s50 | 0 25 | 0 23 | 13 11 | 0 44 | 5 28 | 0 28 | 23 1 | 0 39 | 22 59 | 0 10 | 22 51 | 0 3 | 13 50 | 0 40 | 8 34 | 17 16 | 22 57 | 23 0 | 18 30 | 18 19 | 4 34 |
| S 28 | 4 8 | 21 8 | 1 51 | 0n10 | 0 4 | 12 56 | 0 38 | 5 44 | 0 28 | 23 1 | 0 39 | 22 59 | 0 10 | 22 50 | 0 3 | 13 50 | 0 40 | 8 35 | 17 16 | 22 57 | 23 0 | 18 28 | 18 19 | 4 34 |
| S 29 | 4 32 | 18 48 | 2 46 | 0 40 | 0n15 | 12 41 | 0 32 | 6 1 | 0 27 | 23 0 | 0 39 | 22 59 | 0 11 | 22 50 | 0 3 | 13 49 | 0 40 | 8 35 | 17 16 | 22 57 | 23 1 | 18 27 | 18 18 | 4 35 |
| M30 | 4s55 | 15s40 | 3s34 | 1n 5 | 0n33 | 12n25 | 0s26 | 6s17 | 0n27 | 23s 0 | 0s39 | 22s59 | 0s11 | 22n50 | 0n 3 | 13n49 | 0n40 | 8s35 | 17s16 | 22n58 | 23n 1 | 18s26 | 18n18 | 4s35 |

Julian Day Number = 2125632.5, Delta T = 17m18s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'01, Lahiri = 11°25'01 Julian Calendar 1 Sept. 1107 == Greg. Calendar 8 Sept. 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## OCTOBER 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 1 4 | 13♎23'28 | 9♓41 | 28°D23 | 27♌16 | 17♎37 | 18♑ 1 | 14♑ 8 | 15°R45 | 25♌15 | 18°R45 | 12°R20 | 11♋54 | 17♒58 | 16°R25 | T 1 |
| W 2 | 1 5 1 | 14°23'11 | 21°49 | 28♍24 | 28°19 | 18°18 | 18° 6 | 14°10 | 15♊44 | 25°16 | 18♈44 | 12♋ 9 | 11°51 | 18° 5 | 16♊24 | W 2 |
| T 3 | 1 8 57 | 15°22'55 | 4♈ 9 | 28°36 | 29°22 | 18°59 | 18°11 | 14°12 | 15°43 | 25°18 | 18°43 | 11°56 | 11°48 | 18°12 | 16°23 | T 3 |
| F 4 | 1 12 54 | 16°22'42 | 16°42 | 28°59 | 0♍25 | 19°40 | 18°15 | 14°14 | 15°42 | 25°20 | 18°41 | 11°42 | 11°45 | 18°18 | 16°22 | F 4 |
| S 5 | 1 16 50 | 17°22'30 | 29°27 | 29°31 | 1°29 | 20°21 | 18°21 | 14°16 | 15°41 | 25°21 | 18°40 | 11°28 | 11°42 | 18°25 | 16°21 | S 5 |
| S 6 | 1 20 47 | 18°22'20 | 12♉24 | 0♎12 | 2°33 | 21° 2 | 18°26 | 14°18 | 15°40 | 25°23 | 18°39 | 11°17 | 11°39 | 18°32 | 16°20 | S 6 |
| M 7 | 1 24 43 | 19°22'13 | 25°31 | 1° 1 | 3°37 | 21°43 | 18°31 | 14°21 | 15°39 | 25°24 | 18°38 | 11° 7 | 11°35 | 18°38 | 16°18 | M 7 |
| T 8 | 1 28 40 | 20°22'08 | 8♊50 | 1°58 | 4°42 | 22°24 | 18°37 | 14°23 | 15°38 | 25°26 | 18°37 | 11° 1 | 11°32 | 18°45 | 16°17 | T 8 |
| W 9 | 1 32 36 | 21°22'05 | 22°19 | 3° 1 | 5°47 | 23° 5 | 18°43 | 14°26 | 15°37 | 25°27 | 18°36 | 10°58 | 11°29 | 18°52 | 16°15 | W 9 |
| T 10 | 1 36 33 | 22°22'04 | 5♋58 | 4°10 | 6°52 | 23°47 | 18°49 | 14°29 | 15°36 | 25°28 | 18°35 | 10°D57 | 11°26 | 18°58 | 16°14 | T 10 |
| F 11 | 1 40 30 | 23°22'06 | 19°48 | 5°24 | 7°58 | 24°28 | 18°55 | 14°31 | 15°34 | 25°30 | 18°33 | 10°R57 | 11°23 | 19° 5 | 16°12 | F 11 |
| S 12 | 1 44 26 | 24°22'10 | 3♌50 | 6°42 | 9° 4 | 25° 9 | 19° 1 | 14°34 | 15°33 | 25°31 | 18°32 | 10°57 | 11°20 | 19°12 | 16°10 | S 12 |
| S 13 | 1 48 23 | 25°22'15 | 18° 3 | 8° 3 | 10°10 | 25°51 | 19° 8 | 14°37 | 15°32 | 25°32 | 18°31 | 10°55 | 11°16 | 19°18 | 16° 9 | S 13 |
| M14 | 1 52 19 | 26°22'24 | 2♍26 | 9°28 | 11°16 | 26°32 | 19°14 | 14°40 | 15°30 | 25°34 | 18°30 | 10°51 | 11°13 | 19°25 | 16° 7 | M14 |
| T 15 | 1 56 16 | 27°22'34 | 16°55 | 10°55 | 12°23 | 27°13 | 19°21 | 14°43 | 15°29 | 25°35 | 18°29 | 10°44 | 11°10 | 19°32 | 16° 5 | T 15 |
| W16 | 2 0 12 | 28°22'46 | 1♎25 | 12°25 | 13°30 | 27°55 | 19°28 | 14°46 | 15°27 | 25°36 | 18°28 | 10°35 | 11° 7 | 19°38 | 16° 3 | W16 |
| T 17 | 2 4 9 | 29°23'00 | 15°51 | 13°56 | 14°37 | 28°36 | 19°35 | 14°50 | 15°26 | 25°37 | 18°27 | 10°23 | 11° 4 | 19°45 | 16° 1 | T 17 |
| F 18 | 2 8 5 | 0♏23'16 | 0♏ 4 | 15°28 | 15°44 | 29°18 | 19°42 | 14°53 | 15°24 | 25°39 | 18°26 | 10°12 | 11° 0 | 19°52 | 15°59 | F 18 |
| S 19 | 2 12 2 | 1°23'34 | 14° 1 | 17° 1 | 16°51 | 29°59 | 19°50 | 14°57 | 15°23 | 25°40 | 18°24 | 10° 1 | 10°57 | 19°58 | 15°56 | S 19 |
| S 20 | 2 15 58 | 2°23'54 | 27°35 | 18°36 | 17°59 | 0♏41 | 19°57 | 15° 0 | 15°21 | 25°41 | 18°23 | 9°52 | 10°54 | 20° 5 | 15°54 | S 20 |
| M21 | 2 19 55 | 3°24'15 | 10♐47 | 20°11 | 19° 7 | 1°23 | 20° 5 | 15° 4 | 15°19 | 25°42 | 18°22 | 9°46 | 10°51 | 20°12 | 15°52 | M21 |
| T 22 | 2 23 52 | 4°24'38 | 23°34 | 21°47 | 20°15 | 2° 5 | 20°13 | 15° 7 | 15°18 | 25°43 | 18°21 | 9°43 | 10°48 | 20°18 | 15°49 | T 22 |
| W23 | 2 27 48 | 5°25'03 | 6♑ 1 | 23°22 | 21°24 | 2°47 | 20°21 | 15°11 | 15°16 | 25°44 | 18°20 | 9°D41 | 10°45 | 20°25 | 15°47 | W23 |
| T 24 | 2 31 45 | 6°25'29 | 18°11 | 24°59 | 22°32 | 3°28 | 20°29 | 15°15 | 15°14 | 25°45 | 18°19 | 9°41 | 10°41 | 20°32 | 15°44 | T 24 |
| F 25 | 2 35 41 | 7°25'56 | 0♒ 9 | 26°35 | 23°41 | 4°10 | 20°37 | 15°19 | 15°12 | 25°46 | 18°18 | 9°42 | 10°38 | 20°38 | 15°42 | F 25 |
| S 26 | 2 39 38 | 8°26'25 | 12° 0 | 28°11 | 24°50 | 4°52 | 20°46 | 15°23 | 15°10 | 25°47 | 18°17 | 9°R42 | 10°35 | 20°45 | 15°39 | S 26 |
| S 27 | 2 43 34 | 9°26'55 | 23°49 | 29°48 | 25°59 | 5°34 | 20°54 | 15°27 | 15° 8 | 25°48 | 18°16 | 9°41 | 10°32 | 20°52 | 15°36 | S 27 |
| M28 | 2 47 31 | 10°27'27 | 5♓42 | 1♏24 | 27° 8 | 6°16 | 21° 3 | 15°31 | 15° 6 | 25°49 | 18°15 | 9°37 | 10°29 | 20°58 | 15°34 | M28 |
| T 29 | 2 51 27 | 11°27'59 | 17°44 | 3° 0 | 28°17 | 6°58 | 21°12 | 15°36 | 15° 4 | 25°50 | 18°14 | 9°32 | 10°26 | 21° 5 | 15°31 | T 29 |
| W30 | 2 55 24 | 12°28'33 | 29°58 | 4°37 | 29°27 | 7°41 | 21°21 | 15°40 | 15° 2 | 25°50 | 18°13 | 9°24 | 10°22 | 21°12 | 15°28 | W30 |
| T 31 | 2 59 21 | 13♏29'09 | 12♈27 | 6♏13 | 0♎37 | 8♏23 | 21♑30 | 15♑45 | 15♊ 0 | 25♌51 | 18♈12 | 9♋14 | 10♋19 | 21♒18 | 15♊25 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s19 | 11s53 | 4s13 | 1n24 | 0n49 | 12n 9 | 0s21 | 6s33 | 0n26 | 22s59 | 0s39 | 22s59 | 0s11 | 22n50 | 0n 3 | 13n48 | 0n41 | 8s36 | 17s16 | 22n59 | 23n 1 | 18s24 | 18n17 | 4s36 |
| W 2 | 5 42 | 7 34 | 4 42 | 1 37 | 1 4 | 11 53 | 0 15 | 6 49 | 0 26 | 22 59 | 0 39 | 22 59 | 0 11 | 22 50 | 0 3 | 13 48 | 0 41 | 8 36 | 17 16 | 23 0 | 23 1 | 18 23 | 18 17 | 4 36 |
| T 3 | 6 5 | 2 53 | 4 57 | 1 44 | 1 17 | 11 36 | 0 9 | 7 5 | 0 25 | 22 58 | 0 39 | 22 58 | 0 11 | 22 50 | 0 3 | 13 47 | 0 41 | 8 37 | 17 16 | 23 1 | 23 2 | 18 21 | 18 16 | 4 36 |
| F 4 | 6 28 | 2n 0 | 4 59 | 1 45 | 1 28 | 11 19 | 0 4 | 7 21 | 0 24 | 22 57 | 0 39 | 22 58 | 0 11 | 22 50 | 0 3 | 13 47 | 0 41 | 8 37 | 17 16 | 23 2 | 23 2 | 18 20 | 18 16 | 4 37 |
| S 5 | 6 51 | 6 53 | 4 45 | 1 42 | 1 38 | 11 1 | 0n 1 | 7 37 | 0 24 | 22 56 | 0 39 | 22 58 | 0 11 | 22 50 | 0 3 | 13 46 | 0 41 | 8 38 | 17 16 | 23 3 | 23 2 | 18 19 | 18 15 | 4 37 |
| S 6 | 7 14 | 11 33 | 4 17 | 1 33 | 1 46 | 10 43 | 0 6 | 7 53 | 0 23 | 22 56 | 0 39 | 22 58 | 0 11 | 22 50 | 0 3 | 13 46 | 0 41 | 8 38 | 17 16 | 23 4 | 23 2 | 18 17 | 18 15 | 4 38 |
| M 7 | 7 37 | 15 45 | 3 35 | 1 19 | 1 53 | 10 24 | 0 11 | 8 9 | 0 23 | 22 55 | 0 39 | 22 58 | 0 11 | 22 50 | 0 3 | 13 45 | 0 41 | 8 38 | 17 16 | 23 5 | 23 3 | 18 16 | 18 14 | 4 38 |
| T 8 | 8 0 | 19 14 | 2 41 | 1 2 | 1 59 | 10 5 | 0 16 | 8 25 | 0 22 | 22 54 | 0 39 | 22 57 | 0 11 | 22 50 | 0 3 | 13 45 | 0 41 | 8 39 | 17 16 | 23 6 | 23 3 | 18 14 | 18 14 | 4 39 |
| W 9 | 8 22 | 21 43 | 1 37 | 0 40 | 2 3 | 9 46 | 0 21 | 8 41 | 0 22 | 22 53 | 0 39 | 22 57 | 0 11 | 22 50 | 0 3 | 13 44 | 0 41 | 8 39 | 17 16 | 23 6 | 23 3 | 18 13 | 18 13 | 4 39 |
| T 10 | 8 45 | 22 59 | 0 26 | 0 15 | 2 6 | 9 26 | 0 26 | 8 57 | 0 21 | 22 53 | 0 39 | 22 57 | 0 11 | 22 49 | 0 3 | 13 44 | 0 41 | 8 40 | 17 16 | 23 6 | 23 4 | 18 11 | 18 12 | 4 39 |
| F 11 | 9 7 | 22 51 | 0n47 | 0s12 | 2 7 | 9 6 | 0 31 | 9 12 | 0 21 | 22 52 | 0 39 | 22 57 | 0 11 | 22 49 | 0 3 | 13 43 | 0 41 | 8 40 | 17 16 | 23 6 | 23 4 | 18 10 | 18 12 | 4 40 |
| S 12 | 9 29 | 21 18 | 1 58 | 0 43 | 2 8 | 8 45 | 0 35 | 9 28 | 0 20 | 22 51 | 0 39 | 22 57 | 0 11 | 22 49 | 0 3 | 13 43 | 0 41 | 8 40 | 17 16 | 23 6 | 23 4 | 18 8 | 18 11 | 4 40 |
| S 13 | 9 52 | 18 24 | 3 3 | 1 15 | 2 8 | 8 24 | 0 40 | 9 44 | 0 19 | 22 50 | 0 39 | 22 56 | 0 11 | 22 49 | 0 3 | 13 43 | 0 41 | 8 41 | 17 16 | 23 6 | 23 4 | 18 7 | 18 11 | 4 41 |
| M14 | 10 14 | 14 20 | 3 57 | 1 50 | 2 7 | 8 3 | 0 44 | 9 59 | 0 19 | 22 49 | 0 39 | 22 56 | 0 11 | 22 49 | 0 3 | 13 42 | 0 41 | 8 41 | 17 16 | 23 7 | 23 5 | 18 6 | 18 10 | 4 41 |
| T 15 | 10 35 | 9 26 | 4 36 | 2 26 | 2 5 | 7 42 | 0 48 | 10 15 | 0 18 | 22 48 | 0 39 | 22 56 | 0 12 | 22 49 | 0 3 | 13 42 | 0 41 | 8 41 | 17 16 | 23 7 | 23 5 | 18 4 | 18 9 | 4 41 |
| W16 | 10 57 | 3 59 | 4 58 | 3 3 | 2 3 | 7 20 | 0 52 | 10 30 | 0 18 | 22 47 | 0 39 | 22 55 | 0 12 | 22 49 | 0 3 | 13 41 | 0 41 | 8 42 | 17 16 | 23 8 | 23 5 | 18 3 | 18 9 | 4 42 |
| T 17 | 11 18 | 1s39 | 5 0 | 3 41 | 1 59 | 6 57 | 0 56 | 10 46 | 0 17 | 22 46 | 0 39 | 22 55 | 0 12 | 22 48 | 0 3 | 13 41 | 0 41 | 8 42 | 17 16 | 23 9 | 23 5 | 18 1 | 18 8 | 4 42 |
| F 18 | 11 40 | 7 7 | 4 44 | 4 20 | 1 56 | 6 35 | 1 0 | 11 1 | 0 17 | 22 45 | 0 39 | 22 55 | 0 12 | 22 48 | 0 3 | 13 41 | 0 41 | 8 42 | 17 16 | 23 10 | 23 6 | 18 0 | 18 8 | 4 43 |
| S 19 | 12 1 | 12 8 | 4 11 | 5 0 | 1 52 | 6 12 | 1 4 | 11 16 | 0 16 | 22 44 | 0 39 | 22 54 | 0 12 | 22 48 | 0 3 | 13 40 | 0 41 | 8 43 | 17 16 | 23 10 | 23 6 | 17 58 | 18 7 | 4 43 |
| S 20 | 12 22 | 16 24 | 3 24 | 5 40 | 1 47 | 5 49 | 1 8 | 11 32 | 0 15 | 22 43 | 0 39 | 22 54 | 0 12 | 22 48 | 0 3 | 13 40 | 0 41 | 8 43 | 17 15 | 23 11 | 23 6 | 17 57 | 18 6 | 4 43 |
| M21 | 12 43 | 19 44 | 2 28 | 6 21 | 1 42 | 5 25 | 1 11 | 11 47 | 0 15 | 22 41 | 0 39 | 22 54 | 0 12 | 22 48 | 0 3 | 13 40 | 0 41 | 8 43 | 17 15 | 23 12 | 23 7 | 17 55 | 18 6 | 4 44 |
| T 22 | 13 3 | 21 59 | 1 25 | 7 1 | 1 37 | 5 2 | 1 15 | 12 2 | 0 14 | 22 40 | 0 39 | 22 53 | 0 12 | 22 48 | 0 3 | 13 39 | 0 41 | 8 44 | 17 15 | 23 12 | 23 7 | 17 54 | 18 5 | 4 44 |
| W23 | 13 23 | 23 5 | 0 20 | 7 42 | 1 32 | 4 38 | 1 18 | 12 17 | 0 14 | 22 39 | 0 39 | 22 53 | 0 12 | 22 47 | 0 3 | 13 39 | 0 41 | 8 44 | 17 15 | 23 12 | 23 7 | 17 52 | 18 5 | 4 44 |
| T 24 | 13 44 | 23 4 | 0s45 | 8 23 | 1 26 | 4 13 | 1 22 | 12 32 | 0 13 | 22 38 | 0 39 | 22 53 | 0 12 | 22 47 | 0 3 | 13 39 | 0 41 | 8 44 | 17 15 | 23 12 | 23 7 | 17 51 | 18 4 | 4 45 |
| F 25 | 14 3 | 21 58 | 1 47 | 9 4 | 1 20 | 3 49 | 1 25 | 12 47 | 0 12 | 22 36 | 0 39 | 22 52 | 0 12 | 22 47 | 0 3 | 13 38 | 0 41 | 8 44 | 17 15 | 23 12 | 23 8 | 17 49 | 18 3 | 4 45 |
| S 26 | 14 23 | 19 54 | 2 44 | 9 44 | 1 14 | 3 24 | 1 28 | 13 1 | 0 12 | 22 35 | 0 39 | 22 52 | 0 12 | 22 47 | 0 3 | 13 38 | 0 41 | 8 45 | 17 15 | 23 12 | 23 8 | 17 48 | 18 3 | 4 46 |
| S 27 | 14 43 | 17 0 | 3 33 | 10 24 | 1 7 | 2 59 | 1 31 | 13 16 | 0 11 | 22 34 | 0 39 | 22 51 | 0 12 | 22 47 | 0 3 | 13 38 | 0 41 | 8 45 | 17 15 | 23 12 | 23 8 | 17 46 | 18 2 | 4 46 |
| M28 | 15 2 | 13 23 | 4 14 | 11 4 | 1 1 | 2 34 | 1 33 | 13 30 | 0 11 | 22 32 | 0 39 | 22 51 | 0 12 | 22 46 | 0 3 | 13 37 | 0 41 | 8 45 | 17 14 | 23 12 | 23 8 | 17 44 | 18 1 | 4 46 |
| T 29 | 15 21 | 9 13 | 4 44 | 11 43 | 0 54 | 2 9 | 1 36 | 13 45 | 0 10 | 22 31 | 0 39 | 22 51 | 0 12 | 22 46 | 0 3 | 13 37 | 0 41 | 8 45 | 17 14 | 23 13 | 23 9 | 17 43 | 18 1 | 4 47 |
| W30 | 15 39 | 4 37 | 5 1 | 12 22 | 0 48 | 1 44 | 1 39 | 13 59 | 0 10 | 22 30 | 0 39 | 22 50 | 0 12 | 22 46 | 0 3 | 13 37 | 0 41 | 8 46 | 17 14 | 23 13 | 23 9 | 17 41 | 18 0 | 4 47 |
| T 31 | 15s58 | 0n16 | 5s 5 | 13s 1 | 0n41 | 1n18 | 1n41 | 14s14 | 0n 9 | 22s28 | 0s39 | 22s50 | 0s12 | 22n46 | 0n 3 | 13n37 | 0n41 | 8s46 | 17s14 | 23n14 | 23n 9 | 17s40 | 18n 0 | 4s47 |

Julian Day Number = 2125662.5, Delta T = 17m18s
Ecliptic obliquity = 23°33'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'05, Lahiri = 11°25'06 Julian Calendar 1 Oct. 1107 == Greg. Calendar 8 Oct. 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## NOVEMBER 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 3 17 | 14♏29'46 | 25♈12 | 7♏49 | 1♎47 | 9♏ 5 | 21♑39 | 15♑49 | 14°R58 | 25♌52 | 18°R11 | 9°R 4 | 10♋16 | 21♒25 | 15°R22 | F 1 |
| S 2 | 3 7 14 | 15°30'24 | 8♉15 | 9°24 | 2°57 | 9°47 | 21°48 | 15°54 | 14♊56 | 25°53 | 18♈10 | 8♋54 | 10°13 | 21°32 | 15♊19 | S 2 |
| S 3 | 3 11 10 | 16°31'04 | 21°33 | 11° 0 | 4° 7 | 10°30 | 21°58 | 15°58 | 14°54 | 25°53 | 18° 9 | 8°45 | 10°10 | 21°38 | 15°16 | S 3 |
| M 4 | 3 15 7 | 17°31'45 | 5♊ 5 | 12°35 | 5°17 | 11°12 | 22° 7 | 16° 3 | 14°52 | 25°54 | 18° 8 | 8°38 | 10° 6 | 21°45 | 15°13 | M 4 |
| T 5 | 3 19 3 | 18°32'27 | 18°49 | 14°11 | 6°28 | 11°54 | 22°17 | 16° 8 | 14°50 | 25°55 | 18° 7 | 8°34 | 10° 3 | 21°52 | 15°10 | T 5 |
| W 6 | 3 23 0 | 19°33'12 | 2♋41 | 15°46 | 7°38 | 12°37 | 22°27 | 16°13 | 14°47 | 25°55 | 18° 6 | 8°D32 | 10° 0 | 21°59 | 15° 6 | W 6 |
| T 7 | 3 26 56 | 20°33'58 | 16°39 | 17°21 | 8°49 | 13°19 | 22°37 | 16°18 | 14°45 | 25°56 | 18° 5 | 8°32 | 9°57 | 22° 5 | 15° 3 | T 7 |
| F 8 | 3 30 53 | 21°34'45 | 0♌42 | 18°55 | 10° 0 | 14° 2 | 22°47 | 16°23 | 14°43 | 25°56 | 18° 4 | 8°34 | 9°54 | 22°12 | 15° 0 | F 8 |
| S 9 | 3 34 50 | 22°35'34 | 14°48 | 20°30 | 11°11 | 14°45 | 22°57 | 16°28 | 14°41 | 25°57 | 18° 3 | 8°35 | 9°51 | 22°19 | 14°57 | S 9 |
| S 10 | 3 38 46 | 23°36'24 | 28°56 | 22° 5 | 12°22 | 15°27 | 23° 8 | 16°33 | 14°38 | 25°57 | 18° 2 | 8°R35 | 9°47 | 22°25 | 14°53 | S 10 |
| M11 | 3 42 43 | 24°37'16 | 13♍ 4 | 23°39 | 13°33 | 16°10 | 23°18 | 16°38 | 14°36 | 25°58 | 18° 1 | 8°33 | 9°44 | 22°32 | 14°50 | M11 |
| T 12 | 3 46 39 | 25°38'10 | 27°11 | 25°14 | 14°45 | 16°53 | 23°29 | 16°44 | 14°33 | 25°58 | 18° 0 | 8°30 | 9°41 | 22°39 | 14°46 | T 12 |
| W13 | 3 50 36 | 26°39'05 | 11♎15 | 26°48 | 15°56 | 17°36 | 23°39 | 16°49 | 14°31 | 25°58 | 17°59 | 8°24 | 9°38 | 22°45 | 14°43 | W13 |
| T 14 | 3 54 32 | 27°40'01 | 25°11 | 28°22 | 17° 8 | 18°18 | 23°50 | 16°54 | 14°29 | 25°59 | 17°59 | 8°18 | 9°35 | 22°52 | 14°39 | T 14 |
| F 15 | 3 58 29 | 28°40'58 | 8♏57 | 29°56 | 18°20 | 19° 1 | 24° 1 | 17° 0 | 14°26 | 25°59 | 17°58 | 8°11 | 9°32 | 22°59 | 14°36 | F 15 |
| S 16 | 4 2 25 | 29°41'57 | 22°30 | 1♐31 | 19°31 | 19°44 | 24°12 | 17° 5 | 14°24 | 25°59 | 17°57 | 8° 4 | 9°28 | 23° 5 | 14°32 | S 16 |
| S 17 | 4 6 22 | 0♐42'57 | 5♐46 | 3° 5 | 20°43 | 20°27 | 24°23 | 17°11 | 14°21 | 25°59 | 17°56 | 7°59 | 9°25 | 23°12 | 14°29 | S 17 |
| M18 | 4 10 19 | 1°43'58 | 18°44 | 4°39 | 21°55 | 21°10 | 24°34 | 17°17 | 14°19 | 26° 0 | 17°55 | 7°55 | 9°22 | 23°19 | 14°25 | M18 |
| T 19 | 4 14 15 | 2°44'59 | 1♑24 | 6°13 | 23° 8 | 21°53 | 24°45 | 17°22 | 14°16 | 26° 0 | 17°55 | 7°54 | 9°19 | 23°25 | 14°21 | T 19 |
| W20 | 4 18 12 | 3°46'02 | 13°48 | 7°48 | 24°20 | 22°37 | 24°57 | 17°28 | 14°14 | 26° 0 | 17°54 | 7°D53 | 9°16 | 23°32 | 14°18 | W20 |
| T 21 | 4 22 8 | 4°47'05 | 25°57 | 9°22 | 25°32 | 23°20 | 25° 8 | 17°34 | 14°11 | 26° 0 | 17°53 | 7°55 | 9°12 | 23°39 | 14°14 | T 21 |
| F 22 | 4 26 5 | 5°48'09 | 7♒55 | 10°56 | 26°44 | 24° 3 | 25°20 | 17°40 | 14° 9 | 26°R 0 | 17°52 | 7°57 | 9° 9 | 23°45 | 14°10 | F 22 |
| S 23 | 4 30 1 | 6°49'13 | 19°46 | 12°31 | 27°57 | 24°46 | 25°32 | 17°46 | 14° 6 | 26° 0 | 17°52 | 7°58 | 9° 6 | 23°52 | 14° 7 | S 23 |
| S 24 | 4 33 58 | 7°50'18 | 1♓36 | 14° 5 | 29° 9 | 25°30 | 25°43 | 17°52 | 14° 4 | 26° 0 | 17°51 | 7°59 | 9° 3 | 23°59 | 14° 3 | S 24 |
| M25 | 4 37 55 | 8°51'23 | 13°29 | 15°40 | 0♏22 | 26°13 | 25°55 | 17°58 | 14° 1 | 26° 0 | 17°50 | 8°R 0 | 9° 0 | 24° 5 | 13°59 | M25 |
| T 26 | 4 41 51 | 9°52'29 | 25°30 | 17°15 | 1°35 | 26°56 | 26° 7 | 18° 4 | 13°59 | 26° 0 | 17°50 | 7°58 | 8°57 | 24°12 | 13°55 | T 26 |
| W27 | 4 45 48 | 10°53'35 | 7♈45 | 18°49 | 2°47 | 27°40 | 26°19 | 18°10 | 13°56 | 25°59 | 17°49 | 7°56 | 8°53 | 24°19 | 13°52 | W27 |
| T 28 | 4 49 44 | 11°54'42 | 20°16 | 20°24 | 4° 0 | 28°23 | 26°31 | 18°16 | 13°53 | 25°59 | 17°48 | 7°52 | 8°50 | 24°26 | 13°48 | T 28 |
| F 29 | 4 53 41 | 12°55'49 | 3♉ 7 | 21°59 | 5°13 | 29° 7 | 26°43 | 18°23 | 13°51 | 25°59 | 17°48 | 7°48 | 8°47 | 24°32 | 13°44 | F 29 |
| S 30 | 4 57 37 | 13♐56'56 | 16♉19 | 23♐34 | 6♏26 | 29♏50 | 26♑56 | 18♑29 | 13♊48 | 25♌59 | 17♈47 | 7♋44 | 8♋44 | 24♒39 | 13♊40 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s16 | 5n15 | 4s53 | 13s38 | 0n34 | 0n52 | 1n43 | 14s28 | 0n 8 | 22s27 | 0s39 | 22s49 | 0s13 | 22n46 | 0n 3 | 13n36 | 0n41 | 8s46 | 17s14 | 23n15 | 23n 9 | 17s38 | 17n59 | 4s48 |
| S 2 | 16 34 | 10 7 | 4 27 | 14 16 | 0 28 | 0 26 | 1 46 | 14 42 | 0 8 | 22 25 | 0 39 | 22 49 | 0 13 | 22 45 | 0 3 | 13 36 | 0 41 | 8 46 | 17 14 | 23 15 | 23 10 | 17 37 | 17 58 | 4 48 |
| S 3 | 16 51 | 14 37 | 3 45 | 14 52 | 0 21 | 0 0 | 1 48 | 14 56 | 0 7 | 22 24 | 0 39 | 22 48 | 0 13 | 22 45 | 0 3 | 13 36 | 0 42 | 8 47 | 17 13 | 23 16 | 23 10 | 17 35 | 17 58 | 4 48 |
| M 4 | 17 9 | 18 28 | 2 50 | 15 28 | 0 14 | 0s26 | 1 50 | 15 9 | 0 7 | 22 22 | 0 39 | 22 48 | 0 13 | 22 45 | 0 3 | 13 36 | 0 42 | 8 47 | 17 13 | 23 16 | 23 10 | 17 34 | 17 57 | 4 48 |
| T 5 | 17 26 | 21 21 | 1 44 | 16 3 | 0 7 | 0 52 | 1 52 | 15 23 | 0 6 | 22 21 | 0 39 | 22 47 | 0 13 | 22 45 | 0 3 | 13 36 | 0 42 | 8 47 | 17 13 | 23 17 | 23 10 | 17 32 | 17 56 | 4 49 |
| W 6 | 17 42 | 23 0 | 0 32 | 16 38 | 0 1 | 1 19 | 1 53 | 15 37 | 0 5 | 22 19 | 0 39 | 22 47 | 0 13 | 22 44 | 0 3 | 13 36 | 0 42 | 8 47 | 17 13 | 23 17 | 23 11 | 17 30 | 17 56 | 4 49 |
| T 7 | 17 59 | 23 14 | 0n44 | 17 11 | 0s 6 | 1 45 | 1 55 | 15 50 | 0 5 | 22 17 | 0 39 | 22 46 | 0 13 | 22 44 | 0 4 | 13 35 | 0 42 | 8 47 | 17 13 | 23 17 | 23 11 | 17 29 | 17 55 | 4 49 |
| F 8 | 18 15 | 22 0 | 1 57 | 17 44 | 0 13 | 2 12 | 1 57 | 16 4 | 0 4 | 22 16 | 0 39 | 22 46 | 0 13 | 22 44 | 0 4 | 13 35 | 0 42 | 8 47 | 17 12 | 23 17 | 23 11 | 17 27 | 17 55 | 4 50 |
| S 9 | 18 30 | 19 23 | 3 3 | 18 16 | 0 19 | 2 38 | 1 58 | 16 17 | 0 4 | 22 14 | 0 39 | 22 45 | 0 13 | 22 44 | 0 4 | 13 35 | 0 42 | 8 47 | 17 12 | 23 17 | 23 11 | 17 26 | 17 54 | 4 50 |
| S 10 | 18 46 | 15 37 | 3 59 | 18 48 | 0 26 | 3 5 | 1 59 | 16 30 | 0 3 | 22 12 | 0 39 | 22 44 | 0 13 | 22 43 | 0 4 | 13 35 | 0 42 | 8 48 | 17 12 | 23 17 | 23 11 | 17 24 | 17 53 | 4 50 |
| M11 | 19 1 | 10 59 | 4 39 | 19 18 | 0 32 | 3 32 | 2 1 | 16 43 | 0 2 | 22 10 | 0 39 | 22 44 | 0 13 | 22 43 | 0 4 | 13 35 | 0 42 | 8 48 | 17 12 | 23 17 | 23 12 | 17 22 | 17 53 | 4 50 |
| T 12 | 19 16 | 5 45 | 5 3 | 19 47 | 0 39 | 3 58 | 2 2 | 16 56 | 0 2 | 22 9 | 0 39 | 22 43 | 0 13 | 22 43 | 0 4 | 13 35 | 0 42 | 8 48 | 17 12 | 23 17 | 23 12 | 17 21 | 17 52 | 4 51 |
| W13 | 19 30 | 0 16 | 5 9 | 20 16 | 0 45 | 4 25 | 2 3 | 17 9 | 0 1 | 22 7 | 0 39 | 22 43 | 0 13 | 22 43 | 0 4 | 13 35 | 0 42 | 8 48 | 17 11 | 23 17 | 23 12 | 17 19 | 17 51 | 4 51 |
| T 14 | 19 44 | 5s12 | 4 56 | 20 43 | 0 51 | 4 52 | 2 4 | 17 21 | 0 0 | 22 5 | 0 39 | 22 42 | 0 13 | 22 42 | 0 4 | 13 35 | 0 42 | 8 48 | 17 11 | 23 18 | 23 12 | 17 18 | 17 51 | 4 51 |
| F 15 | 19 58 | 10 21 | 4 26 | 21 10 | 0 57 | 5 18 | 2 4 | 17 34 | 0s 0 | 22 3 | 0 39 | 22 41 | 0 13 | 22 42 | 0 4 | 13 35 | 0 42 | 8 48 | 17 11 | 23 18 | 23 13 | 17 16 | 17 50 | 4 51 |
| S 16 | 20 11 | 14 54 | 3 42 | 21 35 | 1 3 | 5 45 | 2 5 | 17 46 | 0 1 | 22 1 | 0 39 | 22 41 | 0 13 | 22 42 | 0 4 | 13 35 | 0 42 | 8 48 | 17 11 | 23 18 | 23 13 | 17 14 | 17 50 | 4 52 |
| S 17 | 20 24 | 18 39 | 2 46 | 22 0 | 1 8 | 6 11 | 2 6 | 17 58 | 0 1 | 21 59 | 0 39 | 22 40 | 0 13 | 22 42 | 0 4 | 13 34 | 0 42 | 8 48 | 17 10 | 23 19 | 23 13 | 17 13 | 17 49 | 4 52 |
| M18 | 20 36 | 21 22 | 1 43 | 22 23 | 1 14 | 6 38 | 2 6 | 18 10 | 0 2 | 21 57 | 0 39 | 22 39 | 0 14 | 22 41 | 0 4 | 13 34 | 0 42 | 8 48 | 17 10 | 23 19 | 23 13 | 17 11 | 17 48 | 4 52 |
| T 19 | 20 49 | 22 57 | 0 35 | 22 45 | 1 19 | 7 4 | 2 6 | 18 22 | 0 3 | 21 55 | 0 39 | 22 39 | 0 14 | 22 41 | 0 4 | 13 34 | 0 42 | 8 48 | 17 10 | 23 19 | 23 14 | 17 9 | 17 48 | 4 52 |
| W20 | 21 0 | 23 22 | 0s32 | 23 6 | 1 24 | 7 31 | 2 7 | 18 34 | 0 3 | 21 53 | 0 39 | 22 38 | 0 14 | 22 41 | 0 4 | 13 34 | 0 42 | 8 48 | 17 9 | 23 19 | 23 14 | 17 8 | 17 47 | 4 52 |
| T 21 | 21 12 | 22 39 | 1 37 | 23 26 | 1 29 | 7 57 | 2 7 | 18 45 | 0 4 | 21 51 | 0 39 | 22 37 | 0 14 | 22 40 | 0 4 | 13 34 | 0 42 | 8 48 | 17 9 | 23 19 | 23 14 | 17 6 | 17 47 | 4 52 |
| F 22 | 21 23 | 20 54 | 2 37 | 23 45 | 1 34 | 8 23 | 2 7 | 18 57 | 0 5 | 21 49 | 0 39 | 22 37 | 0 14 | 22 40 | 0 4 | 13 34 | 0 42 | 8 48 | 17 9 | 23 19 | 23 14 | 17 5 | 17 46 | 4 53 |
| S 23 | 21 33 | 18 16 | 3 29 | 24 2 | 1 39 | 8 49 | 2 7 | 19 8 | 0 5 | 21 47 | 0 39 | 22 36 | 0 14 | 22 40 | 0 4 | 13 35 | 0 42 | 8 48 | 17 9 | 23 19 | 23 14 | 17 3 | 17 45 | 4 53 |
| S 24 | 21 43 | 14 53 | 4 13 | 24 19 | 1 43 | 9 15 | 2 7 | 19 19 | 0 6 | 21 45 | 0 39 | 22 35 | 0 14 | 22 40 | 0 4 | 13 35 | 0 42 | 8 48 | 17 8 | 23 19 | 23 15 | 17 1 | 17 45 | 4 53 |
| M25 | 21 53 | 10 55 | 4 46 | 24 33 | 1 47 | 9 41 | 2 7 | 19 30 | 0 6 | 21 42 | 0 39 | 22 34 | 0 14 | 22 39 | 0 4 | 13 35 | 0 42 | 8 48 | 17 8 | 23 19 | 23 15 | 17 0 | 17 44 | 4 53 |
| T 26 | 22 2 | 6 29 | 5 6 | 24 47 | 1 51 | 10 6 | 2 6 | 19 41 | 0 7 | 21 40 | 0 39 | 22 34 | 0 14 | 22 39 | 0 4 | 13 35 | 0 42 | 8 48 | 17 8 | 23 19 | 23 15 | 16 58 | 17 44 | 4 53 |
| W27 | 22 11 | 1 43 | 5 14 | 24 59 | 1 55 | 10 32 | 2 6 | 19 52 | 0 8 | 21 38 | 0 39 | 22 33 | 0 14 | 22 39 | 0 4 | 13 35 | 0 42 | 8 48 | 17 7 | 23 19 | 23 15 | 16 56 | 17 43 | 4 53 |
| T 28 | 22 20 | 3n13 | 5 7 | 25 10 | 1 58 | 10 57 | 2 5 | 20 2 | 0 8 | 21 36 | 0 39 | 22 32 | 0 14 | 22 38 | 0 4 | 13 35 | 0 42 | 8 48 | 17 7 | 23 19 | 23 15 | 16 55 | 17 43 | 4 54 |
| F 29 | 22 28 | 8 10 | 4 44 | 25 19 | 2 1 | 11 22 | 2 5 | 20 12 | 0 9 | 21 33 | 0 39 | 22 31 | 0 14 | 22 38 | 0 4 | 13 35 | 0 42 | 8 48 | 17 7 | 23 19 | 23 16 | 16 53 | 17 42 | 4 54 |
| S 30 | 22s35 | 12n52 | 4s 6 | 25s27 | 2s 4 | 11s47 | 2n 4 | 20s22 | 0s10 | 21s31 | 0s39 | 22s31 | 0s14 | 22n38 | 0n 4 | 13n35 | 0n42 | 8s48 | 17s 7 | 23n20 | 23n16 | 16s51 | 17n41 | 4s54 |

Julian Day Number = 2125693.5, Delta T = 17m18s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'09, Lahiri = 11°25'10 Julian Calendar 1 Nov. 1107 == Greg. Calendar 8 Nov. 1107


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# ASTRODIENST EPHEMERIS for the year 1107
# geocentric

## DECEMBER 1107 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 1 34 | 14♐58'04 | 29♉53 | 25♐ 9 | 7♏39 | 0♐34 | 27♑ 8 | 18♑35 | 13°R46 | 25°R59 | 17°R47 | 7°R41 | 8♋41 | 24♒46 | 13°R37 | S 1 |
| M 2 | 5 5 30 | 15°59'12 | 13♊47 | 26°44 | 8°52 | 1°18 | 27°20 | 18°42 | 13♊43 | 25♎58 | 17♈46 | 7♋38 | 8°37 | 24°52 | 13♊33 | M 2 |
| T 3 | 5 9 27 | 17° 0'20 | 27°56 | 28°19 | 10° 5 | 2° 1 | 27°33 | 18°48 | 13°41 | 25°58 | 17°46 | 7°37 | 8°34 | 24°59 | 13°29 | T 3 |
| W 4 | 5 13 24 | 18° 1'30 | 12♋17 | 29°54 | 11°18 | 2°45 | 27°45 | 18°54 | 13°38 | 25°58 | 17°45 | 7°D37 | 8°31 | 25° 6 | 13°25 | W 4 |
| T 5 | 5 17 20 | 19° 2'39 | 26°44 | 1♑29 | 12°31 | 3°29 | 27°58 | 19° 1 | 13°35 | 25°57 | 17°45 | 7°38 | 8°28 | 25°12 | 13°22 | T 5 |
| F 6 | 5 21 17 | 20° 3'49 | 11♌12 | 3° 3 | 13°45 | 4°13 | 28°11 | 19° 7 | 13°33 | 25°57 | 17°44 | 7°39 | 8°25 | 25°19 | 13°18 | F 6 |
| S 7 | 5 25 13 | 21° 5'00 | 25°36 | 4°38 | 14°58 | 4°57 | 28°23 | 19°14 | 13°30 | 25°56 | 17°44 | 7°40 | 8°22 | 25°26 | 13°14 | S 7 |
| S 8 | 5 29 10 | 22° 6'11 | 9♍54 | 6°12 | 16°12 | 5°41 | 28°36 | 19°21 | 13°28 | 25°56 | 17°43 | 7°41 | 8°18 | 25°32 | 13°10 | S 8 |
| M 9 | 5 33 6 | 23° 7'23 | 24° 2 | 7°45 | 17°25 | 6°25 | 28°49 | 19°27 | 13°25 | 25°55 | 17°43 | 7°R41 | 8°15 | 25°39 | 13° 7 | M 9 |
| T 10 | 5 37 3 | 24° 8'35 | 7♎59 | 9°18 | 18°39 | 7° 9 | 29° 2 | 19°34 | 13°23 | 25°55 | 17°43 | 7°41 | 8°12 | 25°46 | 13° 3 | T 10 |
| W11 | 5 40 59 | 25° 9'47 | 21°44 | 10°51 | 19°52 | 7°53 | 29°15 | 19°41 | 13°20 | 25°54 | 17°42 | 7°40 | 8° 9 | 25°52 | 12°59 | W11 |
| T 12 | 5 44 56 | 26°11'00 | 5♏16 | 12°22 | 21° 6 | 8°37 | 29°28 | 19°47 | 13°18 | 25°53 | 17°42 | 7°38 | 8° 6 | 25°59 | 12°56 | T 12 |
| F 13 | 5 48 53 | 27°12'14 | 18°35 | 13°52 | 22°19 | 9°21 | 29°41 | 19°54 | 13°15 | 25°53 | 17°42 | 7°37 | 8° 3 | 26° 6 | 12°52 | F 13 |
| S 14 | 5 52 49 | 28°13'27 | 1♐41 | 15°21 | 23°33 | 10° 5 | 29°55 | 20° 1 | 13°13 | 25°52 | 17°41 | 7°36 | 7°59 | 26°13 | 12°48 | S 14 |
| S 15 | 5 56 46 | 29°14'41 | 14°33 | 16°47 | 24°47 | 10°50 | 0♒ 8 | 20° 8 | 13°10 | 25°51 | 17°41 | 7°35 | 7°56 | 26°19 | 12°45 | S 15 |
| M16 | 6 0 42 | 0♑15'55 | 27°12 | 18°12 | 26° 1 | 11°34 | 0°21 | 20°15 | 13° 8 | 25°50 | 17°41 | 7°34 | 7°53 | 26°26 | 12°41 | M16 |
| T 17 | 6 4 39 | 1°17'08 | 9♑38 | 19°34 | 27°14 | 12°18 | 0°35 | 20°22 | 13° 5 | 25°50 | 17°41 | 7°D34 | 7°50 | 26°33 | 12°38 | T 17 |
| W18 | 6 8 35 | 2°18'22 | 21°52 | 20°53 | 28°28 | 13° 3 | 0°48 | 20°28 | 13° 3 | 25°49 | 17°40 | 7°34 | 7°47 | 26°39 | 12°34 | W18 |
| T 19 | 6 12 32 | 3°19'35 | 3♒56 | 22° 9 | 29°42 | 13°47 | 1° 2 | 20°35 | 13° 1 | 25°48 | 17°40 | 7°34 | 7°44 | 26°46 | 12°31 | T 19 |
| F 20 | 6 16 28 | 4°20'48 | 15°53 | 23°20 | 0♐56 | 14°31 | 1°15 | 20°42 | 12°58 | 25°47 | 17°40 | 7°35 | 7°40 | 26°53 | 12°27 | F 20 |
| S 21 | 6 20 25 | 5°22'00 | 27°44 | 24°27 | 2°10 | 15°16 | 1°29 | 20°49 | 12°56 | 25°46 | 17°40 | 7°35 | 7°37 | 26°59 | 12°24 | S 21 |
| S 22 | 6 24 22 | 6°23'12 | 9♓33 | 25°27 | 3°24 | 16° 1 | 1°42 | 20°56 | 12°54 | 25°45 | 17°40 | 7°35 | 7°34 | 27° 6 | 12°20 | S 22 |
| M23 | 6 28 18 | 7°24'23 | 21°26 | 26°22 | 4°38 | 16°45 | 1°56 | 21° 3 | 12°51 | 25°44 | 17°40 | 7°R36 | 7°31 | 27°13 | 12°17 | M23 |
| T 24 | 6 32 15 | 8°25'33 | 3♈25 | 27° 9 | 5°52 | 17°30 | 2°10 | 21°10 | 12°49 | 25°43 | 17°40 | 7°D36 | 7°28 | 27°19 | 12°14 | T 24 |
| W25 | 6 36 11 | 9°26'43 | 15°36 | 27°47 | 7° 6 | 18°14 | 2°23 | 21°17 | 12°47 | 25°42 | 17°40 | 7°36 | 7°24 | 27°26 | 12°11 | W25 |
| T 26 | 6 40 8 | 10°27'52 | 28° 3 | 28°17 | 8°20 | 18°59 | 2°37 | 21°24 | 12°45 | 25°41 | 17°40 | 7°36 | 7°21 | 27°33 | 12° 7 | T 26 |
| F 27 | 6 44 4 | 11°29'01 | 10♉50 | 28°37 | 9°34 | 19°44 | 2°51 | 21°32 | 12°43 | 25°40 | 17°D40 | 7°36 | 7°18 | 27°40 | 12° 4 | F 27 |
| S 28 | 6 48 1 | 12°30'08 | 24° 2 | 28°R45 | 10°48 | 20°29 | 3° 5 | 21°39 | 12°40 | 25°39 | 17°40 | 7°36 | 7°15 | 27°46 | 12° 1 | S 28 |
| S 29 | 6 51 57 | 13°31'15 | 7♊39 | 28°43 | 12° 2 | 21°13 | 3°19 | 21°46 | 12°38 | 25°38 | 17°40 | 7°37 | 7°12 | 27°53 | 11°58 | S 29 |
| M30 | 6 55 54 | 14°32'21 | 21°41 | 28°29 | 13°16 | 21°58 | 3°33 | 21°53 | 12°36 | 25°37 | 17°40 | 7°37 | 7° 9 | 28° 0 | 11°55 | M30 |
| T 31 | 6 59 51 | 15♑33'27 | 6♋ 6 | 28♑ 3 | 14♐30 | 22♐43 | 3♒47 | 22♑ 0 | 12♊34 | 25♎36 | 17♈40 | 7°R38 | 7♋ 5 | 28♒ 6 | 11♊52 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s42 | 17n 5 | 3s13 | 25s34 | 2s 6 | 12s11 | 2n 3 | 20s32 | 0s10 | 21s28 | 0s39 | 22s30 | 0s14 | 22n37 | 0n 4 | 13n35 | 0n43 | 8s48 | 17s 6 | 23n20 | 23n16 | 16s49 | 17n41 | 4s54 |
| M 2 | 22 49 | 20 27 | 2 8 | 25 39 | 2 8 | 12 35 | 2 2 | 20 42 | 0 11 | 21 26 | 0 39 | 22 29 | 0 14 | 22 37 | 0 4 | 13 35 | 0 43 | 8 48 | 17 6 | 23 20 | 23 16 | 16 48 | 17 40 | 4 54 |
| T 3 | 22 55 | 22 39 | 0 53 | 25 42 | 2 10 | 12 59 | 2 2 | 20 51 | 0 12 | 21 24 | 0 39 | 22 28 | 0 14 | 22 37 | 0 4 | 13 36 | 0 43 | 8 48 | 17 6 | 23 20 | 23 17 | 16 46 | 17 40 | 4 54 |
| W 4 | 23 1 | 23 25 | 0n26 | 25 44 | 2 11 | 13 23 | 2 0 | 21 1 | 0 12 | 21 21 | 0 39 | 22 27 | 0 15 | 22 37 | 0 4 | 13 36 | 0 43 | 8 48 | 17 5 | 23 20 | 23 17 | 16 44 | 17 39 | 4 54 |
| T 5 | 23 6 | 22 36 | 1 44 | 25 44 | 2 11 | 13 47 | 1 59 | 21 10 | 0 13 | 21 19 | 0 39 | 22 26 | 0 15 | 22 36 | 0 4 | 13 36 | 0 43 | 8 48 | 17 5 | 23 20 | 23 17 | 16 43 | 17 39 | 4 54 |
| F 6 | 23 11 | 20 18 | 2 55 | 25 43 | 2 12 | 14 10 | 1 58 | 21 19 | 0 13 | 21 16 | 0 39 | 22 25 | 0 15 | 22 36 | 0 4 | 13 36 | 0 43 | 8 47 | 17 5 | 23 20 | 23 17 | 16 41 | 17 38 | 4 54 |
| S 7 | 23 15 | 16 44 | 3 55 | 25 40 | 2 12 | 14 32 | 1 57 | 21 27 | 0 14 | 21 13 | 0 39 | 22 25 | 0 15 | 22 36 | 0 4 | 13 36 | 0 43 | 8 47 | 17 4 | 23 20 | 23 17 | 16 39 | 17 38 | 4 54 |
| S 8 | 23 19 | 12 13 | 4 40 | 25 35 | 2 11 | 14 55 | 1 56 | 21 36 | 0 15 | 21 11 | 0 39 | 22 24 | 0 15 | 22 35 | 0 4 | 13 36 | 0 43 | 8 47 | 17 4 | 23 20 | 23 18 | 16 37 | 17 37 | 4 54 |
| M 9 | 23 22 | 7 5 | 5 8 | 25 29 | 2 10 | 15 17 | 1 54 | 21 44 | 0 15 | 21 8 | 0 39 | 22 23 | 0 15 | 22 35 | 0 4 | 13 37 | 0 43 | 8 47 | 17 4 | 23 20 | 23 18 | 16 36 | 17 37 | 4 54 |
| T 10 | 23 25 | 1 40 | 5 16 | 25 21 | 2 8 | 15 39 | 1 53 | 21 52 | 0 16 | 21 6 | 0 39 | 22 22 | 0 15 | 22 35 | 0 4 | 13 37 | 0 43 | 8 47 | 17 3 | 23 20 | 23 18 | 16 34 | 17 36 | 4 54 |
| W11 | 23 28 | 3s46 | 5 7 | 25 11 | 2 5 | 16 0 | 1 51 | 22 0 | 0 17 | 21 3 | 0 39 | 22 21 | 0 15 | 22 34 | 0 4 | 13 37 | 0 43 | 8 47 | 17 3 | 23 20 | 23 18 | 16 32 | 17 36 | 4 54 |
| T 12 | 23 30 | 8 56 | 4 41 | 25 0 | 2 2 | 16 21 | 1 49 | 22 8 | 0 17 | 21 0 | 0 39 | 22 20 | 0 15 | 22 34 | 0 4 | 13 37 | 0 43 | 8 46 | 17 3 | 23 20 | 23 18 | 16 30 | 17 35 | 4 54 |
| F 13 | 23 31 | 13 36 | 3 59 | 24 47 | 1 58 | 16 42 | 1 48 | 22 15 | 0 18 | 20 57 | 0 40 | 22 19 | 0 15 | 22 34 | 0 4 | 13 38 | 0 43 | 8 46 | 17 2 | 23 20 | 23 19 | 16 29 | 17 35 | 4 54 |
| S 14 | 23 33 | 17 33 | 3 6 | 24 33 | 1 54 | 17 2 | 1 46 | 22 23 | 0 19 | 20 55 | 0 40 | 22 18 | 0 15 | 22 34 | 0 4 | 13 38 | 0 43 | 8 46 | 17 2 | 23 20 | 23 19 | 16 27 | 17 34 | 4 54 |
| S 15 | 23 33 | 20 36 | 2 4 | 24 17 | 1 48 | 17 22 | 1 44 | 22 30 | 0 19 | 20 52 | 0 40 | 22 17 | 0 15 | 22 33 | 0 4 | 13 38 | 0 43 | 8 46 | 17 2 | 23 20 | 23 19 | 16 25 | 17 34 | 4 54 |
| M16 | 23 33 | 22 34 | 0 57 | 24 0 | 1 42 | 17 42 | 1 42 | 22 36 | 0 20 | 20 49 | 0 40 | 22 16 | 0 15 | 22 33 | 0 4 | 13 38 | 0 43 | 8 45 | 17 1 | 23 20 | 23 19 | 16 23 | 17 34 | 4 54 |
| T 17 | 23 33 | 23 24 | 0s11 | 23 41 | 1 35 | 18 0 | 1 40 | 22 43 | 0 21 | 20 46 | 0 40 | 22 15 | 0 15 | 22 33 | 0 4 | 13 39 | 0 43 | 8 45 | 17 1 | 23 20 | 23 19 | 16 22 | 17 33 | 4 54 |
| W18 | 23 32 | 23 4 | 1 19 | 23 21 | 1 27 | 18 19 | 1 38 | 22 49 | 0 21 | 20 43 | 0 40 | 22 14 | 0 15 | 22 32 | 0 4 | 13 39 | 0 43 | 8 45 | 17 0 | 23 20 | 23 19 | 16 20 | 17 33 | 4 54 |
| T 19 | 23 31 | 21 39 | 2 21 | 23 1 | 1 18 | 18 37 | 1 36 | 22 56 | 0 22 | 20 40 | 0 40 | 22 13 | 0 15 | 22 32 | 0 4 | 13 39 | 0 43 | 8 45 | 17 0 | 23 20 | 23 20 | 16 18 | 17 32 | 4 54 |
| F 20 | 23 29 | 19 17 | 3 17 | 22 39 | 1 8 | 18 54 | 1 34 | 23 2 | 0 23 | 20 37 | 0 40 | 22 12 | 0 16 | 22 32 | 0 4 | 13 40 | 0 43 | 8 44 | 17 0 | 23 20 | 23 20 | 16 16 | 17 32 | 4 54 |
| S 21 | 23 27 | 16 8 | 4 4 | 22 16 | 0 57 | 19 12 | 1 32 | 23 7 | 0 23 | 20 34 | 0 40 | 22 11 | 0 16 | 22 31 | 0 4 | 13 40 | 0 43 | 8 44 | 16 59 | 23 20 | 23 20 | 16 15 | 17 32 | 4 54 |
| S 22 | 23 24 | 12 21 | 4 41 | 21 53 | 0 45 | 19 28 | 1 30 | 23 13 | 0 24 | 20 31 | 0 40 | 22 10 | 0 16 | 22 31 | 0 4 | 13 40 | 0 43 | 8 44 | 16 59 | 23 20 | 23 20 | 16 13 | 17 31 | 4 54 |
| M23 | 23 21 | 8 5 | 5 5 | 21 30 | 0 32 | 19 44 | 1 27 | 23 18 | 0 25 | 20 28 | 0 40 | 22 9 | 0 16 | 22 31 | 0 4 | 13 41 | 0 43 | 8 44 | 16 59 | 23 20 | 23 20 | 16 11 | 17 31 | 4 54 |
| T 24 | 23 17 | 3 29 | 5 17 | 21 7 | 0 18 | 19 59 | 1 25 | 23 23 | 0 25 | 20 25 | 0 40 | 22 8 | 0 16 | 22 31 | 0 4 | 13 41 | 0 43 | 8 43 | 16 58 | 23 20 | 23 21 | 16 9 | 17 30 | 4 54 |
| W25 | 23 13 | 1n20 | 5 15 | 20 45 | 0 3 | 20 14 | 1 23 | 23 28 | 0 26 | 20 22 | 0 40 | 22 7 | 0 16 | 22 30 | 0 4 | 13 41 | 0 43 | 8 43 | 16 58 | 23 20 | 23 21 | 16 7 | 17 30 | 4 54 |
| T 26 | 23 8 | 6 12 | 4 58 | 20 23 | 0n14 | 20 29 | 1 20 | 23 32 | 0 26 | 20 19 | 0 40 | 22 6 | 0 16 | 22 30 | 0 4 | 13 42 | 0 43 | 8 43 | 16 58 | 23 20 | 23 21 | 16 6 | 17 30 | 4 54 |
| F 27 | 23 3 | 10 56 | 4 26 | 20 2 | 0 31 | 20 42 | 1 18 | 23 36 | 0 27 | 20 16 | 0 40 | 22 5 | 0 16 | 22 30 | 0 4 | 13 42 | 0 43 | 8 42 | 16 57 | 23 20 | 23 21 | 16 4 | 17 30 | 4 54 |
| S 28 | 22 58 | 15 20 | 3 39 | 19 43 | 0 49 | 20 56 | 1 15 | 23 40 | 0 28 | 20 13 | 0 40 | 22 4 | 0 16 | 22 30 | 0 4 | 13 43 | 0 43 | 8 42 | 16 57 | 23 20 | 23 21 | 16 2 | 17 29 | 4 54 |
| S 29 | 22 52 | 19 5 | 2 39 | 19 25 | 1 7 | 21 8 | 1 13 | 23 44 | 0 28 | 20 10 | 0 40 | 22 3 | 0 16 | 22 29 | 0 4 | 13 43 | 0 43 | 8 42 | 16 56 | 23 20 | 23 21 | 16 0 | 17 29 | 4 54 |
| M30 | 22 45 | 21 50 | 1 27 | 19 10 | 1 26 | 21 20 | 1 10 | 23 48 | 0 29 | 20 6 | 0 40 | 22 2 | 0 16 | 22 29 | 0 4 | 13 43 | 0 43 | 8 41 | 16 56 | 23 20 | 23 22 | 15 58 | 17 29 | 4 53 |
| T 31 | 22s39 | 23n16 | 0s 8 | 18s57 | 1n45 | 21s32 | 1n 8 | 23s51 | 0s30 | 20s 3 | 0s40 | 22s 1 | 0s16 | 22n29 | 0n 4 | 13n44 | 0n43 | 8s41 | 16s56 | 23n20 | 23n22 | 15s56 | 17n28 | 4s53 |

Julian Day Number = 2125723.5, Delta T = 17m17s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'13, Lahiri = 11°25'14 Julian Calendar 1 Dec. 1107 == Greg. Calendar 8 Dec. 1107


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## JANUARY 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 3 47 | 16♑34'32 | 20♋49 | 27°R26 | 15♐44 | 23♐28 | 4♒ 1 | 22♑ 7 | 12°R32 | 25°R34 | 17♈40 | 7°R38 | 7♋ 2 | 28♒13 | 11°R49 | W 1 |
| T 2 | 7 7 44 | 17°35'36 | 5♌43 | 26♑38 | 16°59 | 24°13 | 4°15 | 22°14 | 12♊30 | 25♌33 | 17°40 | 7♋37 | 6°59 | 28°20 | 11♊46 | T 2 |
| F 3 | 7 11 40 | 18°36'39 | 20°40 | 25°41 | 18°13 | 24°58 | 4°29 | 22°21 | 12°28 | 25°32 | 17°40 | 7°36 | 6°56 | 28°26 | 11°44 | F 3 |
| S 4 | 7 15 37 | 19°37'42 | 5♍32 | 24°36 | 19°27 | 25°43 | 4°43 | 22°29 | 12°26 | 25°31 | 17°40 | 7°34 | 6°53 | 28°33 | 11°41 | S 4 |
| S 5 | 7 19 33 | 20°38'44 | 20°11 | 23°25 | 20°41 | 26°28 | 4°57 | 22°36 | 12°24 | 25°29 | 17°41 | 7°33 | 6°50 | 28°40 | 11°38 | S 5 |
| M 6 | 7 23 30 | 21°39'45 | 4♎33 | 22°10 | 21°56 | 27°13 | 5°11 | 22°43 | 12°23 | 25°28 | 17°41 | 7°32 | 6°46 | 28°46 | 11°36 | M 6 |
| T 7 | 7 27 27 | 22°40'46 | 18°34 | 20°54 | 23°10 | 27°58 | 5°26 | 22°50 | 12°21 | 25°27 | 17°41 | 7°D31 | 6°43 | 28°53 | 11°33 | T 7 |
| W 8 | 7 31 23 | 23°41'46 | 2♏14 | 19°39 | 24°24 | 28°44 | 5°40 | 22°57 | 12°19 | 25°25 | 17°41 | 7°31 | 6°40 | 29° 0 | 11°31 | W 8 |
| T 9 | 7 35 20 | 24°42'46 | 15°34 | 18°27 | 25°38 | 29°29 | 5°54 | 23° 4 | 12°17 | 25°24 | 17°42 | 7°32 | 6°37 | 29° 7 | 11°28 | T 9 |
| F 10 | 7 39 16 | 25°43'45 | 28°35 | 17°19 | 26°53 | 0♑14 | 6° 8 | 23°11 | 12°16 | 25°23 | 17°42 | 7°33 | 6°34 | 29°13 | 11°26 | F 10 |
| S 11 | 7 43 13 | 26°44'43 | 11♐21 | 16°17 | 28° 7 | 0°59 | 6°22 | 23°19 | 12°14 | 25°21 | 17°42 | 7°35 | 6°30 | 29°20 | 11°24 | S 11 |
| S 12 | 7 47 9 | 27°45'40 | 23°52 | 15°23 | 29°21 | 1°45 | 6°37 | 23°26 | 12°12 | 25°20 | 17°43 | 7°36 | 6°27 | 29°27 | 11°21 | S 12 |
| M13 | 7 51 6 | 28°46'37 | 6♑12 | 14°37 | 0♑36 | 2°30 | 6°51 | 23°33 | 12°11 | 25°18 | 17°43 | 7°R37 | 6°24 | 29°33 | 11°19 | M13 |
| T 14 | 7 55 2 | 29°47'32 | 18°23 | 13°59 | 1°50 | 3°15 | 7° 5 | 23°40 | 12° 9 | 25°17 | 17°43 | 7°36 | 6°21 | 29°40 | 11°17 | T 14 |
| W15 | 7 58 59 | 0♒48'27 | 0♒26 | 13°30 | 3° 5 | 4° 1 | 7°20 | 23°47 | 12° 8 | 25°15 | 17°44 | 7°35 | 6°18 | 29°47 | 11°15 | W15 |
| T 16 | 8 2 56 | 1°49'20 | 12°23 | 13°10 | 4°19 | 4°46 | 7°34 | 23°54 | 12° 6 | 25°14 | 17°44 | 7°32 | 6°15 | 29°53 | 11°13 | T 16 |
| F 17 | 8 6 52 | 2°50'11 | 24°16 | 12°57 | 5°33 | 5°32 | 7°48 | 24° 1 | 12° 5 | 25°12 | 17°45 | 7°28 | 6°11 | 0♓ 0 | 11°11 | F 17 |
| S 18 | 8 10 49 | 3°51'02 | 6♓ 7 | 12°D53 | 6°48 | 6°17 | 8° 3 | 24° 9 | 12° 4 | 25°11 | 17°45 | 7°23 | 6° 8 | 0° 7 | 11° 9 | S 18 |
| S 19 | 8 14 45 | 4°51'51 | 17°57 | 12°56 | 8° 2 | 7° 3 | 8°17 | 24°16 | 12° 2 | 25° 9 | 17°46 | 7°18 | 6° 5 | 0°14 | 11° 8 | S 19 |
| M20 | 8 18 42 | 5°52'38 | 29°50 | 13° 6 | 9°16 | 7°49 | 8°31 | 24°23 | 12° 1 | 25° 8 | 17°46 | 7°13 | 6° 2 | 0°20 | 11° 6 | M20 |
| T 21 | 8 22 38 | 6°53'24 | 11♈49 | 13°23 | 10°31 | 8°34 | 8°46 | 24°30 | 12° 0 | 25° 6 | 17°47 | 7° 9 | 5°59 | 0°27 | 11° 4 | T 21 |
| W22 | 8 26 35 | 7°54'08 | 23°57 | 13°45 | 11°45 | 9°20 | 9° 0 | 24°37 | 11°59 | 25° 5 | 17°47 | 7° 7 | 5°55 | 0°34 | 11° 3 | W22 |
| T 23 | 8 30 31 | 8°54'51 | 6♉20 | 14°13 | 13° 0 | 10° 5 | 9°15 | 24°44 | 11°58 | 25° 3 | 17°48 | 7°D 6 | 5°52 | 0°40 | 11° 1 | T 23 |
| F 24 | 8 34 28 | 9°55'32 | 19° 0 | 14°47 | 14°14 | 10°51 | 9°29 | 24°51 | 11°57 | 25° 1 | 17°49 | 7° 6 | 5°49 | 0°47 | 11° 0 | F 24 |
| S 25 | 8 38 25 | 10°56'11 | 2♊ 3 | 15°25 | 15°28 | 11°37 | 9°43 | 24°58 | 11°56 | 25° 0 | 17°49 | 7° 8 | 5°46 | 0°54 | 10°59 | S 25 |
| S 26 | 8 42 21 | 11°56'48 | 15°32 | 16° 7 | 16°43 | 12°23 | 9°58 | 25° 5 | 11°55 | 24°58 | 17°50 | 7° 9 | 5°43 | 1° 0 | 10°57 | S 26 |
| M27 | 8 46 18 | 12°57'24 | 29°29 | 16°53 | 17°57 | 13° 8 | 10°12 | 25°12 | 11°54 | 24°57 | 17°51 | 7°10 | 5°40 | 1° 7 | 10°56 | M27 |
| T 28 | 8 50 14 | 13°57'58 | 13♋54 | 17°43 | 19°12 | 13°54 | 10°26 | 25°19 | 11°53 | 24°55 | 17°51 | 7°R10 | 5°36 | 1°14 | 10°55 | T 28 |
| W29 | 8 54 11 | 14°58'30 | 28°43 | 18°36 | 20°26 | 14°40 | 10°41 | 25°26 | 11°52 | 24°53 | 17°52 | 7° 9 | 5°33 | 1°21 | 10°54 | W29 |
| T 30 | 8 58 7 | 15°59'01 | 13♌50 | 19°33 | 21°40 | 15°26 | 10°55 | 25°32 | 11°52 | 24°52 | 17°53 | 7° 5 | 5°30 | 1°27 | 10°53 | T 30 |
| F 31 | 9 2 4 | 16♒59'30 | 29♌ 6 | 20♑32 | 22♑55 | 16♑12 | 11♒ 9 | 25♑39 | 11♊51 | 24♌50 | 17♈53 | 7♋ 0 | 5♋27 | 1♓34 | 10♊53 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s31 | 23n 8 | 1n13 | 18s46 | 2n 3 | 21s42 | 1n 5 | 23s54 | 0s30 | 20s 0 | 0s40 | 22s 0 | 0s16 | 22n28 | 0n 4 | 13n44 | 0n43 | 8s40 | 16s55 | 23n20 | 23n22 | 15s55 | 17n28 | 4s53 |
| T 2 | 22 23 | 21 21 | 2 30 | 18 38 | 2 21 | 21 53 | 1 2 | 23 57 | 0 31 | 19 57 | 0 40 | 21 59 | 0 16 | 22 28 | 0 4 | 13 45 | 0 44 | 8 40 | 16 55 | 23 20 | 23 22 | 15 53 | 17 28 | 4 53 |
| F 3 | 22 15 | 18 5 | 3 37 | 18 32 | 2 37 | 22 2 | 1 0 | 23 59 | 0 32 | 19 53 | 0 40 | 21 58 | 0 17 | 22 28 | 0 4 | 13 45 | 0 44 | 8 40 | 16 55 | 23 20 | 23 22 | 15 51 | 17 28 | 4 53 |
| S 4 | 22 7 | 13 41 | 4 29 | 18 29 | 2 52 | 22 11 | 0 57 | 24 1 | 0 32 | 19 50 | 0 40 | 21 57 | 0 17 | 22 28 | 0 4 | 13 46 | 0 44 | 8 39 | 16 54 | 23 20 | 23 22 | 15 49 | 17 27 | 4 53 |
| S 5 | 21 58 | 8 32 | 5 2 | 18 28 | 3 5 | 22 19 | 0 54 | 24 3 | 0 33 | 19 46 | 0 41 | 21 55 | 0 17 | 22 28 | 0 4 | 13 46 | 0 44 | 8 39 | 16 54 | 23 20 | 23 23 | 15 47 | 17 27 | 4 53 |
| M 6 | 21 48 | 3 1 | 5 16 | 18 29 | 3 16 | 22 27 | 0 52 | 24 5 | 0 34 | 19 43 | 0 41 | 21 54 | 0 17 | 22 27 | 0 4 | 13 47 | 0 44 | 8 38 | 16 54 | 23 20 | 23 23 | 15 45 | 17 27 | 4 53 |
| T 7 | 21 38 | 2s31 | 5 11 | 18 32 | 3 25 | 22 34 | 0 49 | 24 7 | 0 34 | 19 40 | 0 41 | 21 53 | 0 17 | 22 27 | 0 4 | 13 47 | 0 44 | 8 38 | 16 53 | 23 20 | 23 23 | 15 43 | 17 27 | 4 52 |
| W 8 | 21 28 | 7 48 | 4 48 | 18 37 | 3 31 | 22 40 | 0 46 | 24 8 | 0 35 | 19 36 | 0 41 | 21 52 | 0 17 | 22 27 | 0 4 | 13 48 | 0 44 | 8 38 | 16 53 | 23 20 | 23 23 | 15 42 | 17 27 | 4 52 |
| T 9 | 21 17 | 12 36 | 4 10 | 18 44 | 3 35 | 22 46 | 0 43 | 24 9 | 0 36 | 19 33 | 0 41 | 21 51 | 0 17 | 22 27 | 0 4 | 13 48 | 0 44 | 8 37 | 16 52 | 23 20 | 23 23 | 15 40 | 17 27 | 4 52 |
| F 10 | 21 6 | 16 42 | 3 19 | 18 51 | 3 36 | 22 51 | 0 40 | 24 9 | 0 36 | 19 29 | 0 41 | 21 50 | 0 17 | 22 26 | 0 4 | 13 49 | 0 44 | 8 37 | 16 52 | 23 20 | 23 23 | 15 38 | 17 26 | 4 52 |
| S 11 | 20 54 | 19 56 | 2 20 | 19 0 | 3 35 | 22 55 | 0 38 | 24 10 | 0 37 | 19 26 | 0 41 | 21 49 | 0 17 | 22 26 | 0 4 | 13 49 | 0 44 | 8 36 | 16 52 | 23 20 | 23 24 | 15 36 | 17 26 | 4 52 |
| S 12 | 20 43 | 22 10 | 1 15 | 19 9 | 3 32 | 22 58 | 0 35 | 24 10 | 0 38 | 19 22 | 0 41 | 21 48 | 0 17 | 22 26 | 0 4 | 13 50 | 0 44 | 8 36 | 16 51 | 23 20 | 23 24 | 15 34 | 17 26 | 4 51 |
| M13 | 20 30 | 23 17 | 0 8 | 19 19 | 3 28 | 23 1 | 0 32 | 24 10 | 0 38 | 19 19 | 0 41 | 21 46 | 0 17 | 22 26 | 0 4 | 13 50 | 0 44 | 8 35 | 16 51 | 23 20 | 23 24 | 15 32 | 17 26 | 4 51 |
| T 14 | 20 18 | 23 16 | 0s59 | 19 29 | 3 21 | 23 3 | 0 29 | 24 10 | 0 39 | 19 15 | 0 41 | 21 45 | 0 17 | 22 26 | 0 4 | 13 51 | 0 44 | 8 35 | 16 51 | 23 20 | 23 24 | 15 30 | 17 26 | 4 51 |
| W15 | 20 4 | 22 9 | 2 2 | 19 39 | 3 13 | 23 5 | 0 26 | 24 9 | 0 39 | 19 11 | 0 41 | 21 44 | 0 17 | 22 25 | 0 4 | 13 51 | 0 44 | 8 34 | 16 50 | 23 20 | 23 24 | 15 28 | 17 26 | 4 51 |
| T 16 | 19 51 | 20 2 | 3 0 | 19 50 | 3 5 | 23 6 | 0 23 | 24 8 | 0 40 | 19 8 | 0 41 | 21 43 | 0 17 | 22 25 | 0 4 | 13 52 | 0 44 | 8 34 | 16 50 | 23 20 | 23 24 | 15 26 | 17 26 | 4 51 |
| F 17 | 19 37 | 17 5 | 3 49 | 20 1 | 2 55 | 23 6 | 0 21 | 24 7 | 0 41 | 19 4 | 0 41 | 21 42 | 0 18 | 22 25 | 0 4 | 13 52 | 0 44 | 8 33 | 16 50 | 23 21 | 23 25 | 15 25 | 17 26 | 4 50 |
| S 18 | 19 23 | 13 27 | 4 28 | 20 12 | 2 45 | 23 5 | 0 18 | 24 6 | 0 41 | 19 1 | 0 41 | 21 41 | 0 18 | 22 25 | 0 4 | 13 53 | 0 44 | 8 33 | 16 49 | 23 21 | 23 25 | 15 23 | 17 26 | 4 50 |
| S 19 | 19 8 | 9 19 | 4 55 | 20 22 | 2 34 | 23 4 | 0 15 | 24 4 | 0 42 | 18 57 | 0 41 | 21 39 | 0 18 | 22 25 | 0 4 | 13 53 | 0 44 | 8 32 | 16 49 | 23 21 | 23 25 | 15 21 | 17 26 | 4 50 |
| M20 | 18 54 | 4 48 | 5 10 | 20 32 | 2 23 | 23 2 | 0 12 | 24 2 | 0 43 | 18 53 | 0 42 | 21 38 | 0 18 | 22 25 | 0 4 | 13 54 | 0 44 | 8 32 | 16 49 | 23 21 | 23 25 | 15 19 | 17 26 | 4 50 |
| T 21 | 18 38 | 0 5 | 5 12 | 20 42 | 2 11 | 22 59 | 0 9 | 24 0 | 0 43 | 18 49 | 0 42 | 21 37 | 0 18 | 22 24 | 0 4 | 13 54 | 0 44 | 8 31 | 16 48 | 23 22 | 23 25 | 15 17 | 17 26 | 4 50 |
| W22 | 18 23 | 4n42 | 5 0 | 20 51 | 2 0 | 22 55 | 0 6 | 23 57 | 0 44 | 18 46 | 0 42 | 21 36 | 0 18 | 22 24 | 0 4 | 13 55 | 0 44 | 8 31 | 16 48 | 23 22 | 23 25 | 15 15 | 17 26 | 4 49 |
| T 23 | 18 7 | 9 24 | 4 33 | 21 0 | 1 48 | 22 51 | 0 4 | 23 55 | 0 45 | 18 42 | 0 42 | 21 35 | 0 18 | 22 24 | 0 4 | 13 55 | 0 44 | 8 30 | 16 48 | 23 22 | 23 25 | 15 13 | 17 26 | 4 49 |
| F 24 | 17 51 | 13 49 | 3 53 | 21 8 | 1 37 | 22 47 | 0 1 | 23 52 | 0 45 | 18 38 | 0 42 | 21 34 | 0 18 | 22 24 | 0 4 | 13 56 | 0 44 | 8 30 | 16 47 | 23 22 | 23 26 | 15 11 | 17 26 | 4 49 |
| S 25 | 17 34 | 17 44 | 3 0 | 21 15 | 1 25 | 22 41 | 0s 2 | 23 48 | 0 46 | 18 34 | 0 42 | 21 32 | 0 18 | 22 24 | 0 4 | 13 57 | 0 44 | 8 29 | 16 47 | 23 22 | 23 26 | 15 9 | 17 26 | 4 49 |
| S 26 | 17 17 | 20 51 | 1 55 | 21 21 | 1 14 | 22 35 | 0 5 | 23 45 | 0 46 | 18 31 | 0 42 | 21 31 | 0 18 | 22 24 | 0 4 | 13 57 | 0 44 | 8 29 | 16 47 | 23 22 | 23 26 | 15 7 | 17 26 | 4 48 |
| M27 | 17 0 | 22 51 | 0 42 | 21 27 | 1 3 | 22 28 | 0 7 | 23 41 | 0 47 | 18 27 | 0 42 | 21 30 | 0 18 | 22 24 | 0 4 | 13 58 | 0 44 | 8 28 | 16 46 | 23 22 | 23 26 | 15 5 | 17 26 | 4 48 |
| T 28 | 16 43 | 23 26 | 0n37 | 21 31 | 0 52 | 22 20 | 0 10 | 23 37 | 0 48 | 18 23 | 0 42 | 21 29 | 0 18 | 22 24 | 0 4 | 13 58 | 0 44 | 8 28 | 16 46 | 23 22 | 23 26 | 15 3 | 17 26 | 4 48 |
| W29 | 16 25 | 22 23 | 1 55 | 21 35 | 0 41 | 22 12 | 0 13 | 23 33 | 0 48 | 18 19 | 0 42 | 21 28 | 0 19 | 22 23 | 0 4 | 13 59 | 0 44 | 8 27 | 16 46 | 23 22 | 23 26 | 15 1 | 17 26 | 4 48 |
| T 30 | 16 7 | 19 43 | 3 6 | 21 37 | 0 31 | 22 3 | 0 15 | 23 28 | 0 49 | 18 15 | 0 42 | 21 26 | 0 19 | 22 23 | 0 4 | 13 59 | 0 44 | 8 26 | 16 45 | 23 22 | 23 26 | 14 59 | 17 27 | 4 47 |
| F 31 | 15s49 | 15n40 | 4n 5 | 21s39 | 0n20 | 21s54 | 0s18 | 23s23 | 0s50 | 18s11 | 0s42 | 21s25 | 0s19 | 22n23 | 0n 4 | 14n 0 | 0n44 | 8s26 | 16s45 | 23n22 | 23n27 | 14s57 | 17n27 | 4s47 |

Julian Day Number = 2125754.5, Delta T = 17m17s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'18, Lahiri = 11°25'18 Julian Calendar 1 Jan. 1108 == Greg. Calendar 8 Jan. 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## FEBRUARY 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 6 0 | 17♒59'57 | 14♍20 | 21♑34 | 24♑ 9 | 16♑58 | 11♒24 | 25♑46 | 11°R50 | 24°R48 | 17♈54 | 6°R54 | 5♋24 | 1♓41 | 10°R52 | S 1 |
| S 2 | 9 9 57 | 19° 0'23 | 29°22 | 22°38 | 25°24 | 17°44 | 11°38 | 25°53 | 11♊50 | 24♌47 | 17°55 | 6♋47 | 5°21 | 1°47 | 10♊51 | S 2 |
| M 3 | 9 13 54 | 20° 0'47 | 14♎ 3 | 23°45 | 26°38 | 18°30 | 11°52 | 26° 0 | 11°49 | 24°45 | 17°56 | 6°42 | 5°17 | 1°54 | 10°51 | M 3 |
| T 4 | 9 17 50 | 21° 1'09 | 28°19 | 24°54 | 27°52 | 19°16 | 12° 7 | 26° 6 | 11°49 | 24°43 | 17°57 | 6°38 | 5°14 | 2° 1 | 10°50 | T 4 |
| W 5 | 9 21 47 | 22° 1'31 | 12♏ 6 | 26° 5 | 29° 7 | 20° 2 | 12°21 | 26°13 | 11°48 | 24°42 | 17°57 | 6°35 | 5°11 | 2° 7 | 10°50 | W 5 |
| T 6 | 9 25 43 | 23° 1'51 | 25°27 | 27°17 | 0♒21 | 20°48 | 12°35 | 26°20 | 11°48 | 24°40 | 17°58 | 6°D35 | 5° 8 | 2°14 | 10°49 | T 6 |
| F 7 | 9 29 40 | 24° 2'09 | 8♐23 | 28°32 | 1°36 | 21°34 | 12°50 | 26°26 | 11°48 | 24°38 | 17°59 | 6°36 | 5° 5 | 2°21 | 10°49 | F 7 |
| S 8 | 9 33 36 | 25° 2'26 | 20°59 | 29°48 | 2°50 | 22°20 | 13° 4 | 26°33 | 11°47 | 24°37 | 18° 0 | 6°37 | 5° 1 | 2°28 | 10°49 | S 8 |
| S 9 | 9 37 33 | 26° 2'42 | 3♑19 | 1♒ 6 | 4° 4 | 23° 6 | 13°18 | 26°40 | 11°47 | 24°35 | 18° 1 | 6°R38 | 4°58 | 2°34 | 10°49 | S 9 |
| M10 | 9 41 29 | 27° 2'56 | 15°26 | 2°25 | 5°19 | 23°52 | 13°32 | 26°46 | 11°47 | 24°33 | 18° 2 | 6°38 | 4°55 | 2°41 | 10°D49 | M10 |
| T 11 | 9 45 26 | 28° 3'08 | 27°26 | 3°46 | 6°33 | 24°38 | 13°46 | 26°53 | 11°47 | 24°32 | 18° 3 | 6°35 | 4°52 | 2°48 | 10°49 | T 11 |
| W12 | 9 49 23 | 29° 3'18 | 9♒20 | 5° 8 | 7°48 | 25°24 | 14° 1 | 26°59 | 11°47 | 24°30 | 18° 4 | 6°30 | 4°49 | 2°54 | 10°49 | W12 |
| T 13 | 9 53 19 | 0♓ 3'27 | 21°11 | 6°31 | 9° 2 | 26°10 | 14°15 | 27° 6 | 11°D47 | 24°28 | 18° 5 | 6°23 | 4°46 | 3° 1 | 10°49 | T 13 |
| F 14 | 9 57 16 | 1° 3'33 | 3♓ 2 | 7°56 | 10°17 | 26°57 | 14°29 | 27°12 | 11°47 | 24°27 | 18° 6 | 6°13 | 4°42 | 3° 8 | 10°49 | F 14 |
| S 15 | 10 1 12 | 2° 3'38 | 14°53 | 9°23 | 11°31 | 27°43 | 14°43 | 27°18 | 11°47 | 24°25 | 18° 7 | 6° 2 | 4°39 | 3°14 | 10°50 | S 15 |
| S 16 | 10 5 9 | 3° 3'41 | 26°47 | 10°50 | 12°45 | 28°29 | 14°57 | 27°25 | 11°47 | 24°23 | 18° 8 | 5°51 | 4°36 | 3°21 | 10°50 | S 16 |
| M17 | 10 9 5 | 4° 3'42 | 8♈44 | 12°19 | 14° 0 | 29°15 | 15°11 | 27°31 | 11°47 | 24°22 | 18° 9 | 5°40 | 4°33 | 3°28 | 10°51 | M17 |
| T 18 | 10 13 2 | 5° 3'40 | 20°47 | 13°49 | 15°14 | 0♒ 2 | 15°25 | 27°37 | 11°47 | 24°20 | 18°10 | 5°30 | 4°30 | 3°35 | 10°51 | T 18 |
| W19 | 10 16 58 | 6° 3'37 | 2♉58 | 15°20 | 16°28 | 0°48 | 15°39 | 27°43 | 11°48 | 24°18 | 18°11 | 5°23 | 4°27 | 3°41 | 10°52 | W19 |
| T 20 | 10 20 55 | 7° 3'31 | 15°21 | 16°52 | 17°43 | 1°34 | 15°53 | 27°49 | 11°48 | 24°17 | 18°12 | 5°18 | 4°23 | 3°48 | 10°53 | T 20 |
| F 21 | 10 24 51 | 8° 3'23 | 27°58 | 18°26 | 18°57 | 2°20 | 16° 7 | 27°55 | 11°49 | 24°15 | 18°13 | 5°16 | 4°20 | 3°55 | 10°54 | F 21 |
| S 22 | 10 28 48 | 9° 3'13 | 10♊55 | 20° 1 | 20°12 | 3° 7 | 16°20 | 28° 1 | 11°49 | 24°13 | 18°14 | 5°D15 | 4°17 | 4° 1 | 10°55 | S 22 |
| S 23 | 10 32 45 | 10° 3'00 | 24°14 | 21°37 | 21°26 | 3°53 | 16°34 | 28° 7 | 11°50 | 24°12 | 18°15 | 5°16 | 4°14 | 4° 8 | 10°56 | S 23 |
| M24 | 10 36 41 | 11° 2'45 | 8♋ 0 | 23°14 | 22°40 | 4°39 | 16°48 | 28°13 | 11°50 | 24°10 | 18°16 | 5°R16 | 4°11 | 4°15 | 10°57 | M24 |
| T 25 | 10 40 38 | 12° 2'28 | 22°12 | 24°52 | 23°55 | 5°26 | 17° 2 | 28°19 | 11°51 | 24° 9 | 18°18 | 5°15 | 4° 7 | 4°21 | 10°58 | T 25 |
| W26 | 10 44 34 | 13° 2'09 | 6♌52 | 26°32 | 25° 9 | 6°12 | 17°15 | 28°25 | 11°52 | 24° 7 | 18°19 | 5°11 | 4° 4 | 4°28 | 10°59 | W26 |
| T 27 | 10 48 31 | 14° 1'47 | 21°53 | 28°13 | 26°23 | 6°58 | 17°29 | 28°30 | 11°52 | 24° 5 | 18°20 | 5° 5 | 4° 1 | 4°35 | 11° 1 | T 27 |
| F 28 | 10 52 27 | 15° 1'23 | 7♍ 9 | 29°55 | 27°37 | 7°45 | 17°43 | 28°36 | 11°53 | 24° 4 | 18°21 | 4°57 | 3°58 | 4°42 | 11° 2 | F 28 |
| S 29 | 10 56 24 | 16♓ 0'57 | 22♍29 | 1♓38 | 28♒52 | 8♒31 | 17♒56 | 28♑42 | 11♊54 | 24♌ 2 | 18♈22 | 4♋47 | 3♋55 | 4♓48 | 11♊ 4 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s31 | 10n35 | 4n46 | 21s39 | 0n10 | 21s43 | 0s21 | 23s18 | 0s50 | 18s 8 | 0s43 | 21s24 | 0s19 | 22n23 | 0n 4 | 14n 1 | 0n44 | 8s25 | 16s45 | 23n22 | 23n27 | 14s55 | 17n27 | 4s47 |
| S 2 | 15 12 | 4 56 | 5 7 | 21 38 | 0 0 | 21 33 | 0 23 | 23 13 | 0 51 | 18 4 | 0 43 | 21 23 | 0 19 | 22 23 | 0 4 | 14 1 | 0 44 | 8 25 | 16 44 | 23 23 | 23 27 | 14 53 | 17 27 | 4 47 |
| M 3 | 14 53 | 0s51 | 5 7 | 21 36 | 0s 9 | 21 21 | 0 26 | 23 7 | 0 51 | 18 0 | 0 43 | 21 22 | 0 19 | 22 23 | 0 4 | 14 2 | 0 44 | 8 24 | 16 44 | 23 23 | 23 27 | 14 51 | 17 27 | 4 46 |
| T 4 | 14 34 | 6 27 | 4 48 | 21 33 | 0 18 | 21 9 | 0 28 | 23 1 | 0 52 | 17 56 | 0 43 | 21 20 | 0 19 | 22 23 | 0 4 | 14 2 | 0 44 | 8 24 | 16 44 | 23 23 | 23 27 | 14 49 | 17 27 | 4 46 |
| W 5 | 14 14 | 11 32 | 4 12 | 21 29 | 0 27 | 20 56 | 0 31 | 22 55 | 0 53 | 17 52 | 0 43 | 21 19 | 0 19 | 22 23 | 0 4 | 14 3 | 0 44 | 8 23 | 16 43 | 23 23 | 23 27 | 14 48 | 17 28 | 4 46 |
| T 6 | 13 54 | 15 55 | 3 24 | 21 23 | 0 36 | 20 43 | 0 33 | 22 49 | 0 53 | 17 48 | 0 43 | 21 18 | 0 19 | 22 23 | 0 4 | 14 3 | 0 44 | 8 22 | 16 43 | 23 23 | 23 27 | 14 46 | 17 28 | 4 46 |
| F 7 | 13 34 | 19 24 | 2 27 | 21 16 | 0 44 | 20 29 | 0 35 | 22 42 | 0 54 | 17 44 | 0 43 | 21 17 | 0 19 | 22 23 | 0 4 | 14 4 | 0 44 | 8 22 | 16 43 | 23 23 | 23 27 | 14 44 | 17 28 | 4 45 |
| S 8 | 13 14 | 21 51 | 1 24 | 21 8 | 0 52 | 20 14 | 0 38 | 22 35 | 0 54 | 17 40 | 0 43 | 21 16 | 0 19 | 22 23 | 0 4 | 14 5 | 0 44 | 8 21 | 16 43 | 23 23 | 23 28 | 14 42 | 17 28 | 4 45 |
| S 9 | 12 54 | 23 13 | 0 18 | 20 58 | 0 59 | 19 59 | 0 40 | 22 28 | 0 55 | 17 36 | 0 43 | 21 15 | 0 19 | 22 23 | 0 4 | 14 5 | 0 44 | 8 21 | 16 42 | 23 23 | 23 28 | 14 40 | 17 29 | 4 45 |
| M10 | 12 33 | 23 26 | 0s47 | 20 48 | 1 6 | 19 43 | 0 42 | 22 21 | 0 56 | 17 32 | 0 43 | 21 13 | 0 20 | 22 23 | 0 4 | 14 6 | 0 44 | 8 20 | 16 42 | 23 23 | 23 28 | 14 37 | 17 29 | 4 44 |
| T 11 | 12 12 | 22 34 | 1 50 | 20 36 | 1 13 | 19 27 | 0 45 | 22 13 | 0 56 | 17 28 | 0 44 | 21 12 | 0 20 | 22 23 | 0 4 | 14 6 | 0 44 | 8 19 | 16 42 | 23 23 | 23 28 | 14 35 | 17 29 | 4 44 |
| W12 | 11 52 | 20 41 | 2 46 | 20 22 | 1 20 | 19 10 | 0 47 | 22 5 | 0 57 | 17 24 | 0 44 | 21 11 | 0 20 | 22 23 | 0 4 | 14 7 | 0 44 | 8 19 | 16 41 | 23 24 | 23 28 | 14 33 | 17 29 | 4 44 |
| T 13 | 11 30 | 17 54 | 3 36 | 20 7 | 1 26 | 18 52 | 0 49 | 21 57 | 0 57 | 17 20 | 0 44 | 21 10 | 0 20 | 22 23 | 0 4 | 14 7 | 0 44 | 8 18 | 16 41 | 23 24 | 23 28 | 14 31 | 17 30 | 4 44 |
| F 14 | 11 9 | 14 24 | 4 15 | 19 51 | 1 32 | 18 34 | 0 51 | 21 49 | 0 58 | 17 16 | 0 44 | 21 9 | 0 20 | 22 23 | 0 4 | 14 8 | 0 44 | 8 18 | 16 41 | 23 24 | 23 28 | 14 29 | 17 30 | 4 43 |
| S 15 | 10 48 | 10 20 | 4 44 | 19 33 | 1 37 | 18 16 | 0 53 | 21 40 | 0 58 | 17 12 | 0 44 | 21 8 | 0 20 | 22 23 | 0 4 | 14 9 | 0 44 | 8 17 | 16 41 | 23 25 | 23 28 | 14 27 | 17 30 | 4 43 |
| S 16 | 10 26 | 5 53 | 5 0 | 19 14 | 1 43 | 17 57 | 0 55 | 21 32 | 0 59 | 17 8 | 0 44 | 21 6 | 0 20 | 22 23 | 0 4 | 14 9 | 0 44 | 8 16 | 16 40 | 23 25 | 23 28 | 14 25 | 17 31 | 4 43 |
| M17 | 10 4 | 1 10 | 5 4 | 18 54 | 1 47 | 17 37 | 0 57 | 21 23 | 1 0 | 17 4 | 0 44 | 21 5 | 0 20 | 22 23 | 0 4 | 14 10 | 0 44 | 8 16 | 16 40 | 23 26 | 23 29 | 14 23 | 17 31 | 4 42 |
| T 18 | 9 42 | 3n37 | 4 53 | 18 32 | 1 52 | 17 17 | 0 59 | 21 13 | 1 0 | 17 0 | 0 44 | 21 4 | 0 20 | 22 23 | 0 4 | 14 10 | 0 44 | 8 15 | 16 40 | 23 26 | 23 29 | 14 21 | 17 31 | 4 42 |
| W19 | 9 20 | 8 20 | 4 30 | 18 9 | 1 56 | 16 56 | 1 1 | 21 4 | 1 1 | 16 56 | 0 44 | 21 3 | 0 20 | 22 23 | 0 4 | 14 11 | 0 44 | 8 14 | 16 40 | 23 27 | 23 29 | 14 19 | 17 32 | 4 42 |
| T 20 | 8 58 | 12 47 | 3 54 | 17 45 | 1 59 | 16 35 | 1 3 | 20 54 | 1 1 | 16 52 | 0 45 | 21 2 | 0 20 | 22 23 | 0 4 | 14 11 | 0 44 | 8 14 | 16 39 | 23 27 | 23 29 | 14 17 | 17 32 | 4 42 |
| F 21 | 8 35 | 16 48 | 3 5 | 17 19 | 2 2 | 16 14 | 1 4 | 20 44 | 1 2 | 16 48 | 0 45 | 21 1 | 0 21 | 22 23 | 0 4 | 14 12 | 0 44 | 8 13 | 16 39 | 23 27 | 23 29 | 14 15 | 17 33 | 4 41 |
| S 22 | 8 13 | 20 7 | 2 6 | 16 52 | 2 5 | 15 52 | 1 6 | 20 34 | 1 2 | 16 44 | 0 45 | 21 0 | 0 21 | 22 23 | 0 4 | 14 12 | 0 44 | 8 13 | 16 39 | 23 27 | 23 29 | 14 13 | 17 33 | 4 41 |
| S 23 | 7 50 | 22 27 | 0 58 | 16 23 | 2 8 | 15 30 | 1 8 | 20 24 | 1 3 | 16 40 | 0 45 | 20 59 | 0 21 | 22 23 | 0 4 | 14 13 | 0 44 | 8 12 | 16 39 | 23 27 | 23 29 | 14 11 | 17 33 | 4 41 |
| M24 | 7 27 | 23 33 | 0n15 | 15 53 | 2 10 | 15 7 | 1 9 | 20 13 | 1 3 | 16 36 | 0 45 | 20 57 | 0 21 | 22 23 | 0 4 | 14 14 | 0 44 | 8 11 | 16 38 | 23 27 | 23 29 | 14 9 | 17 34 | 4 41 |
| T 25 | 7 5 | 23 11 | 1 29 | 15 21 | 2 11 | 14 44 | 1 11 | 20 2 | 1 4 | 16 31 | 0 45 | 20 56 | 0 21 | 22 23 | 0 4 | 14 14 | 0 44 | 8 11 | 16 38 | 23 27 | 23 29 | 14 7 | 17 34 | 4 40 |
| W26 | 6 42 | 21 13 | 2 40 | 14 48 | 2 12 | 14 20 | 1 12 | 19 51 | 1 5 | 16 27 | 0 45 | 20 55 | 0 21 | 22 24 | 0 4 | 14 15 | 0 44 | 8 10 | 16 38 | 23 27 | 23 30 | 14 5 | 17 35 | 4 40 |
| T 27 | 6 19 | 17 46 | 3 41 | 14 14 | 2 13 | 13 56 | 1 14 | 19 40 | 1 5 | 16 23 | 0 45 | 20 54 | 0 21 | 22 24 | 0 4 | 14 15 | 0 44 | 8 9 | 16 38 | 23 27 | 23 30 | 14 3 | 17 35 | 4 40 |
| F 28 | 5 56 | 13 4 | 4 27 | 13 38 | 2 13 | 13 32 | 1 15 | 19 29 | 1 6 | 16 19 | 0 46 | 20 53 | 0 21 | 22 24 | 0 4 | 14 16 | 0 44 | 8 9 | 16 38 | 23 28 | 23 30 | 14 1 | 17 36 | 4 39 |
| S 29 | 5s33 | 7n30 | 4n55 | 13s 1 | 2s13 | 13s 7 | 1s16 | 19s17 | 1s 6 | 16s15 | 0s46 | 20s52 | 0s21 | 22n24 | 0n 4 | 14n16 | 0n44 | 8s 8 | 16s37 | 23n28 | 23n30 | 13s58 | 17n36 | 4s39 |

Julian Day Number = 2125785.5, Delta T = 17m17s
Ecliptic obliquity = 23°33'17, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'22, Lahiri = 11°25'22 Julian Calendar 1 Feb. 1108 == Greg. Calendar 8 Feb. 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## MARCH 1108 JC — 00:00 UT

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

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 9 | 1n33 | 5n 1 | 12s22 | 2s12 | 12s42 | 1s17 | 19s 5 | 1s 7 | 16s11 | 0s46 | 20s51 | 0s21 | 22n24 | 0n 4 | 14n17 | 0n44 | 8s 8 | 16s37 | 23n28 | 23n30 | 13s56 | 17n37 | 4s39 |
| M 2 | 4 46 | 4s23 | 4 47 | 11 42 | 2 11 | 12 16 | 1 19 | 18 53 | 1 7 | 16 7 | 0 46 | 20 50 | 0 22 | 22 24 | 0 4 | 14 17 | 0 44 | 8 7 | 16 37 | 23 29 | 23 30 | 13 54 | 17 37 | 4 39 |
| T 3 | 4 23 | 9 56 | 4 14 | 11 1 | 2 9 | 11 51 | 1 20 | 18 41 | 1 8 | 16 3 | 0 46 | 20 49 | 0 22 | 22 24 | 0 4 | 14 18 | 0 44 | 8 6 | 16 37 | 23 29 | 23 30 | 13 52 | 17 38 | 4 38 |
| W 4 | 3 59 | 14 46 | 3 27 | 10 18 | 2 7 | 11 24 | 1 21 | 18 28 | 1 8 | 15 59 | 0 46 | 20 48 | 0 22 | 22 24 | 0 4 | 14 18 | 0 44 | 8 6 | 16 37 | 23 29 | 23 30 | 13 50 | 17 38 | 4 38 |
| T 5 | 3 36 | 18 41 | 2 30 | 9 34 | 2 4 | 10 58 | 1 22 | 18 16 | 1 9 | 15 55 | 0 46 | 20 47 | 0 22 | 22 25 | 0 4 | 14 19 | 0 44 | 8 5 | 16 36 | 23 29 | 23 30 | 13 48 | 17 39 | 4 38 |
| F 6 | 3 12 | 21 31 | 1 27 | 8 48 | 2 1 | 10 31 | 1 22 | 18 3 | 1 9 | 15 51 | 0 47 | 20 46 | 0 22 | 22 25 | 0 4 | 14 19 | 0 44 | 8 5 | 16 36 | 23 29 | 23 30 | 13 46 | 17 39 | 4 38 |
| S 7 | 2 49 | 23 12 | 0 21 | 8 1 | 1 58 | 10 4 | 1 23 | 17 50 | 1 10 | 15 47 | 0 47 | 20 45 | 0 22 | 22 25 | 0 4 | 14 20 | 0 44 | 8 4 | 16 36 | 23 29 | 23 30 | 13 44 | 17 40 | 4 37 |
| S 8 | 2 25 | 23 42 | 0s44 | 7 13 | 1 53 | 9 37 | 1 24 | 17 37 | 1 10 | 15 43 | 0 47 | 20 44 | 0 22 | 22 25 | 0 4 | 14 20 | 0 44 | 8 3 | 16 36 | 23 29 | 23 31 | 13 42 | 17 40 | 4 37 |
| M 9 | 2 2 | 23 3 | 1 45 | 6 24 | 1 49 | 9 10 | 1 25 | 17 24 | 1 10 | 15 39 | 0 47 | 20 43 | 0 22 | 22 25 | 0 4 | 14 21 | 0 44 | 8 3 | 16 36 | 23 29 | 23 31 | 13 40 | 17 41 | 4 37 |
| T 10 | 1 38 | 21 22 | 2 42 | 5 33 | 1 43 | 8 42 | 1 25 | 17 10 | 1 11 | 15 35 | 0 47 | 20 42 | 0 22 | 22 25 | 0 4 | 14 21 | 0 44 | 8 2 | 16 36 | 23 30 | 23 31 | 13 37 | 17 41 | 4 36 |
| W11 | 1 14 | 18 46 | 3 30 | 4 41 | 1 38 | 8 14 | 1 26 | 16 56 | 1 11 | 15 31 | 0 47 | 20 41 | 0 22 | 22 26 | 0 4 | 14 21 | 0 44 | 8 1 | 16 36 | 23 30 | 23 31 | 13 35 | 17 42 | 4 36 |
| T 12 | 0 51 | 15 24 | 4 10 | 3 48 | 1 31 | 7 46 | 1 26 | 16 43 | 1 12 | 15 27 | 0 47 | 20 40 | 0 23 | 22 26 | 0 4 | 14 22 | 0 44 | 8 1 | 16 35 | 23 30 | 23 31 | 13 33 | 17 42 | 4 36 |
| F 13 | 0 27 | 11 26 | 4 39 | 2 54 | 1 24 | 7 17 | 1 27 | 16 29 | 1 12 | 15 23 | 0 48 | 20 39 | 0 23 | 22 26 | 0 4 | 14 22 | 0 44 | 8 0 | 16 35 | 23 30 | 23 31 | 13 31 | 17 43 | 4 36 |
| S 14 | 0 3 | 7 0 | 4 55 | 1 59 | 1 17 | 6 49 | 1 27 | 16 14 | 1 13 | 15 19 | 0 48 | 20 38 | 0 23 | 22 26 | 0 4 | 14 23 | 0 44 | 8 0 | 16 35 | 23 31 | 23 31 | 13 29 | 17 44 | 4 35 |
| S 15 | 0n20 | 2 16 | 4 59 | 1 3 | 1 9 | 6 20 | 1 28 | 16 0 | 1 13 | 15 15 | 0 48 | 20 38 | 0 23 | 22 26 | 0 4 | 14 23 | 0 44 | 7 59 | 16 35 | 23 31 | 23 31 | 13 27 | 17 44 | 4 35 |
| M16 | 0 44 | 2n35 | 4 49 | 0 6 | 1 1 | 5 51 | 1 28 | 15 46 | 1 14 | 15 11 | 0 48 | 20 37 | 0 23 | 22 27 | 0 5 | 14 24 | 0 44 | 7 58 | 16 35 | 23 31 | 23 31 | 13 25 | 17 45 | 4 35 |
| T 17 | 1 7 | 7 24 | 4 26 | 0n52 | 0 52 | 5 22 | 1 28 | 15 31 | 1 14 | 15 7 | 0 48 | 20 36 | 0 23 | 22 27 | 0 5 | 14 24 | 0 44 | 7 58 | 16 35 | 23 32 | 23 31 | 13 22 | 17 45 | 4 35 |
| W18 | 1 31 | 11 58 | 3 51 | 1 50 | 0 43 | 4 53 | 1 28 | 15 16 | 1 14 | 15 3 | 0 48 | 20 35 | 0 23 | 22 27 | 0 5 | 14 24 | 0 44 | 7 57 | 16 35 | 23 32 | 23 31 | 13 20 | 17 46 | 4 34 |
| T 19 | 1 54 | 16 8 | 3 3 | 2 48 | 0 33 | 4 23 | 1 28 | 15 1 | 1 15 | 15 0 | 0 49 | 20 34 | 0 23 | 22 27 | 0 5 | 14 25 | 0 44 | 7 57 | 16 35 | 23 32 | 23 31 | 13 18 | 17 47 | 4 34 |
| F 20 | 2 18 | 19 37 | 2 6 | 3 47 | 0 23 | 3 54 | 1 28 | 14 46 | 1 15 | 14 56 | 0 49 | 20 33 | 0 23 | 22 28 | 0 5 | 14 25 | 0 44 | 7 56 | 16 34 | 23 32 | 23 31 | 13 16 | 17 47 | 4 34 |
| S 21 | 2 41 | 22 12 | 1 1 | 4 46 | 0 12 | 3 24 | 1 28 | 14 31 | 1 16 | 14 52 | 0 49 | 20 33 | 0 24 | 22 28 | 0 5 | 14 26 | 0 44 | 7 56 | 16 34 | 23 32 | 23 32 | 13 14 | 17 48 | 4 34 |
| S 22 | 3 5 | 23 38 | 0n 9 | 5 45 | 0 1 | 2 55 | 1 28 | 14 16 | 1 16 | 14 48 | 0 49 | 20 32 | 0 24 | 22 28 | 0 5 | 14 26 | 0 44 | 7 55 | 16 34 | 23 32 | 23 32 | 13 12 | 17 48 | 4 34 |
| M23 | 3 28 | 23 43 | 1 20 | 6 43 | 0n10 | 2 25 | 1 28 | 14 0 | 1 16 | 14 44 | 0 49 | 20 31 | 0 24 | 22 28 | 0 5 | 14 26 | 0 44 | 7 54 | 16 34 | 23 32 | 23 32 | 13 9 | 17 49 | 4 33 |
| T 24 | 3 51 | 22 19 | 2 28 | 7 41 | 0 21 | 1 55 | 1 27 | 13 45 | 1 17 | 14 40 | 0 49 | 20 30 | 0 24 | 22 29 | 0 5 | 14 27 | 0 44 | 7 54 | 16 34 | 23 32 | 23 32 | 13 7 | 17 50 | 4 33 |
| W25 | 4 14 | 19 27 | 3 29 | 8 38 | 0 32 | 1 25 | 1 27 | 13 29 | 1 17 | 14 37 | 0 50 | 20 29 | 0 24 | 22 29 | 0 5 | 14 27 | 0 44 | 7 53 | 16 34 | 23 32 | 23 32 | 13 5 | 17 50 | 4 33 |
| T 26 | 4 37 | 15 17 | 4 17 | 9 34 | 0 43 | 0 55 | 1 27 | 13 13 | 1 17 | 14 33 | 0 50 | 20 29 | 0 24 | 22 29 | 0 5 | 14 27 | 0 44 | 7 53 | 16 34 | 23 32 | 23 32 | 13 3 | 17 51 | 4 33 |
| F 27 | 5 0 | 10 6 | 4 49 | 10 28 | 0 54 | 0 25 | 1 26 | 12 57 | 1 18 | 14 29 | 0 50 | 20 28 | 0 24 | 22 29 | 0 5 | 14 28 | 0 44 | 7 52 | 16 34 | 23 32 | 23 32 | 13 1 | 17 52 | 4 32 |
| S 28 | 5 23 | 4 17 | 5 1 | 11 22 | 1 5 | 0n 5 | 1 26 | 12 41 | 1 18 | 14 25 | 0 50 | 20 27 | 0 24 | 22 30 | 0 5 | 14 28 | 0 44 | 7 52 | 16 34 | 23 33 | 23 32 | 12 58 | 17 52 | 4 32 |
| S 29 | 5 46 | 1s47 | 4 52 | 12 13 | 1 16 | 0 35 | 1 25 | 12 25 | 1 18 | 14 22 | 0 50 | 20 27 | 0 24 | 22 30 | 0 5 | 14 28 | 0 44 | 7 51 | 16 34 | 23 33 | 23 32 | 12 56 | 17 53 | 4 32 |
| M30 | 6 9 | 7 40 | 4 23 | 13 3 | 1 27 | 1 5 | 1 24 | 12 9 | 1 19 | 14 18 | 0 51 | 20 26 | 0 25 | 22 30 | 0 5 | 14 28 | 0 44 | 7 50 | 16 34 | 23 33 | 23 32 | 12 54 | 17 54 | 4 32 |
| T 31 | 6n31 | 13s 0 | 3n38 | 13n50 | 1n37 | 1n35 | 1s24 | 11s52 | 1s19 | 14s14 | 0s51 | 20s25 | 0s25 | 22n31 | 0n 5 | 14n29 | 0n44 | 7s50 | 16s34 | 23n33 | 23n32 | 12s52 | 17n54 | 4s32 |

Julian Day Number = 2125814.5, Delta T = 17m17s
Ecliptic obliquity = 23°33'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'26, Lahiri = 11°25'26 Julian Calendar 1 March 1108 == Greg. Calendar 8 March 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## APRIL 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 2 34 | 17♈29'31 | 29♏14 | 4♉ 3 | 8♈25 | 3♓15 | 24♒37 | 1♒ 6 | 12♊47 | 23°R23 | 19♈ 5 | 1°R13 | 2♋13 | 8♓23 | 12♊29 | W 1 |
| T 2 | 13 6 30 | 18°27'58 | 12♐47 | 5°44 | 9°39 | 4° 1 | 24°49 | 1° 9 | 12°49 | 23♌23 | 19° 6 | 1♋ 9 | 2°10 | 8°30 | 12°33 | T 2 |
| F 3 | 13 10 27 | 19°26'24 | 25°53 | 7°22 | 10°53 | 4°48 | 25° 0 | 1°13 | 12°52 | 23°22 | 19° 7 | 1°D 8 | 2° 7 | 8°36 | 12°37 | F 3 |
| S 4 | 13 14 23 | 20°24'47 | 8♑34 | 8°56 | 12° 7 | 5°34 | 25°11 | 1°16 | 12°54 | 23°21 | 19° 9 | 1° 8 | 2° 4 | 8°43 | 12°41 | S 4 |
| S 5 | 13 18 20 | 21°23'09 | 20°55 | 10°26 | 13°21 | 6°20 | 25°22 | 1°19 | 12°57 | 23°20 | 19°10 | 1°R 8 | 2° 0 | 8°50 | 12°45 | S 5 |
| M 6 | 13 22 16 | 22°21'29 | 3♒ 1 | 11°51 | 14°35 | 7° 6 | 25°33 | 1°21 | 12°59 | 23°20 | 19°11 | 1° 8 | 1°57 | 8°56 | 12°49 | M 6 |
| T 7 | 13 26 13 | 23°19'48 | 14°56 | 13°13 | 15°49 | 7°52 | 25°43 | 1°24 | 13° 2 | 23°19 | 19°13 | 1° 6 | 1°54 | 9° 3 | 12°53 | T 7 |
| W 8 | 13 30 9 | 24°18'05 | 26°47 | 14°29 | 17° 3 | 8°39 | 25°54 | 1°27 | 13° 4 | 23°18 | 19°14 | 1° 1 | 1°51 | 9°10 | 12°57 | W 8 |
| T 9 | 13 34 6 | 25°16'20 | 8♓37 | 15°41 | 18°17 | 9°25 | 26° 5 | 1°30 | 13° 7 | 23°18 | 19°16 | 0°54 | 1°48 | 9°17 | 13° 1 | T 9 |
| F 10 | 13 38 3 | 26°14'34 | 20°30 | 16°48 | 19°31 | 10°11 | 26°15 | 1°32 | 13°10 | 23°17 | 19°17 | 0°44 | 1°44 | 9°23 | 13° 5 | F 10 |
| S 11 | 13 41 59 | 27°12'46 | 2♈29 | 17°50 | 20°45 | 10°57 | 26°25 | 1°34 | 13°12 | 23°16 | 19°18 | 0°33 | 1°41 | 9°30 | 13° 9 | S 11 |
| S 12 | 13 45 56 | 28°10'57 | 14°36 | 18°48 | 21°59 | 11°43 | 26°36 | 1°37 | 13°15 | 23°16 | 19°20 | 0°22 | 1°38 | 9°37 | 13°13 | S 12 |
| M13 | 13 49 52 | 29° 9'05 | 26°52 | 19°40 | 23°13 | 12°29 | 26°46 | 1°39 | 13°18 | 23°15 | 19°21 | 0°10 | 1°35 | 9°43 | 13°18 | M13 |
| T 14 | 13 53 49 | 0♉ 7'12 | 9♉18 | 20°28 | 24°27 | 13°15 | 26°56 | 1°41 | 13°21 | 23°15 | 19°22 | 0° 0 | 1°32 | 9°50 | 13°22 | T 14 |
| W15 | 13 57 45 | 1° 5'18 | 21°55 | 21°10 | 25°40 | 14° 1 | 27° 6 | 1°43 | 13°23 | 23°15 | 19°24 | 29♊52 | 1°29 | 9°57 | 13°26 | W15 |
| T 16 | 14 1 42 | 2° 3'21 | 4♊42 | 21°48 | 26°54 | 14°47 | 27°16 | 1°45 | 13°26 | 23°14 | 19°25 | 29°47 | 1°25 | 10° 4 | 13°31 | T 16 |
| F 17 | 14 5 38 | 3° 1'23 | 17°41 | 22°20 | 28° 8 | 15°33 | 27°25 | 1°47 | 13°29 | 23°14 | 19°27 | 29°44 | 1°22 | 10°10 | 13°35 | F 17 |
| S 18 | 14 9 35 | 3°59'23 | 0♋52 | 22°47 | 29°22 | 16°18 | 27°35 | 1°49 | 13°32 | 23°13 | 19°28 | 29°D44 | 1°19 | 10°17 | 13°40 | S 18 |
| S 19 | 14 13 32 | 4°57'21 | 14°17 | 23° 9 | 0♌36 | 17° 4 | 27°44 | 1°51 | 13°35 | 23°13 | 19°29 | 29°44 | 1°16 | 10°24 | 13°44 | S 19 |
| M20 | 14 17 28 | 5°55'17 | 27°58 | 23°25 | 1°50 | 17°50 | 27°54 | 1°52 | 13°38 | 23°13 | 19°31 | 29°45 | 1°13 | 10°30 | 13°49 | M20 |
| T 21 | 14 21 25 | 6°53'12 | 11♌54 | 23°37 | 3° 4 | 18°36 | 28° 3 | 1°54 | 13°41 | 23°13 | 19°32 | 29°R45 | 1° 9 | 10°37 | 13°54 | T 21 |
| W22 | 14 25 21 | 7°51'04 | 26° 6 | 23°43 | 4°18 | 19°21 | 28°12 | 1°55 | 13°44 | 23°12 | 19°33 | 29°44 | 1° 6 | 10°44 | 13°58 | W22 |
| T 23 | 14 29 18 | 8°48'54 | 10♍32 | 23°R44 | 5°31 | 20° 7 | 28°21 | 1°56 | 13°47 | 23°12 | 19°35 | 29°40 | 1° 3 | 10°51 | 14° 3 | T 23 |
| F 24 | 14 33 14 | 9°46'43 | 25°10 | 23°41 | 6°45 | 20°53 | 28°30 | 1°57 | 13°50 | 23°12 | 19°36 | 29°35 | 1° 0 | 10°57 | 14° 8 | F 24 |
| S 25 | 14 37 11 | 10°44'30 | 9♎52 | 23°33 | 7°59 | 21°38 | 28°38 | 1°59 | 13°53 | 23°12 | 19°37 | 29°28 | 0°57 | 11° 4 | 14°13 | S 25 |
| S 26 | 14 41 7 | 11°42'15 | 24°33 | 23°20 | 9°13 | 22°24 | 28°47 | 2° 0 | 13°56 | 23°12 | 19°39 | 29°21 | 0°54 | 11°11 | 14°17 | S 26 |
| M27 | 14 45 4 | 12°39'59 | 9♏ 4 | 23° 3 | 10°27 | 23° 9 | 28°55 | 2° 0 | 14° 0 | 23°12 | 19°40 | 29°14 | 0°50 | 11°17 | 14°22 | M27 |
| T 28 | 14 49 1 | 13°37'41 | 23°20 | 22°42 | 11°40 | 23°55 | 29° 4 | 2° 1 | 14° 3 | 23°D12 | 19°41 | 29° 8 | 0°47 | 11°24 | 14°27 | T 28 |
| W29 | 14 52 57 | 14°35'22 | 7♐14 | 22°18 | 12°54 | 24°40 | 29°12 | 2° 2 | 14° 6 | 23°12 | 19°42 | 29° 4 | 0°44 | 11°31 | 14°32 | W29 |
| T 30 | 14 56 54 | 15♉33'02 | 20♐45 | 21♉51 | 14♉ 8 | 25♓26 | 29♒20 | 2♒ 3 | 14♊ 9 | 23♌12 | 19♈44 | 29♊ 2 | 0♋41 | 11♓38 | 14♊37 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n54 | 17s28 | 2n40 | 14n36 | 1n46 | 2n 5 | 1s23 | 11s36 | 1s19 | 14s11 | 0s51 | 20s25 | 0s25 | 22n31 | 0n 5 | 14n29 | 0n44 | 7s49 | 16s34 | 23n33 | 23n32 | 12s50 | 17n55 | 4s31 |
| T 2 | 7 16 | 20 52 | 1 36 | 15 19 | 1 56 | 2 35 | 1 22 | 11 19 | 1 20 | 14 7 | 0 51 | 20 24 | 0 25 | 22 31 | 0 5 | 14 29 | 0 44 | 7 49 | 16 34 | 23 33 | 23 32 | 12 47 | 17 56 | 4 31 |
| F 3 | 7 39 | 23 2 | 0 28 | 15 59 | 2 4 | 3 5 | 1 21 | 11 2 | 1 20 | 14 4 | 0 51 | 20 24 | 0 25 | 22 32 | 0 5 | 14 30 | 0 44 | 7 48 | 16 34 | 23 33 | 23 32 | 12 45 | 17 56 | 4 31 |
| S 4 | 8 1 | 23 56 | 0s39 | 16 38 | 2 12 | 3 35 | 1 20 | 10 46 | 1 20 | 14 0 | 0 52 | 20 23 | 0 25 | 22 32 | 0 5 | 14 30 | 0 44 | 7 48 | 16 34 | 23 33 | 23 32 | 12 43 | 17 57 | 4 31 |
| S 5 | 8 23 | 23 37 | 1 43 | 17 13 | 2 19 | 4 5 | 1 19 | 10 29 | 1 21 | 13 56 | 0 52 | 20 23 | 0 25 | 22 32 | 0 5 | 14 30 | 0 44 | 7 47 | 16 34 | 23 33 | 23 32 | 12 41 | 17 58 | 4 31 |
| M 6 | 8 45 | 22 11 | 2 41 | 17 46 | 2 25 | 4 35 | 1 18 | 10 12 | 1 21 | 13 53 | 0 52 | 20 22 | 0 25 | 22 33 | 0 5 | 14 30 | 0 44 | 7 47 | 16 34 | 23 33 | 23 32 | 12 38 | 17 58 | 4 31 |
| T 7 | 9 6 | 19 47 | 3 31 | 18 17 | 2 31 | 5 4 | 1 17 | 9 55 | 1 21 | 13 49 | 0 52 | 20 21 | 0 26 | 22 33 | 0 5 | 14 30 | 0 44 | 7 46 | 16 34 | 23 33 | 23 32 | 12 36 | 17 59 | 4 30 |
| W 8 | 9 28 | 16 34 | 4 11 | 18 44 | 2 36 | 5 34 | 1 16 | 9 38 | 1 21 | 13 46 | 0 52 | 20 21 | 0 26 | 22 33 | 0 5 | 14 31 | 0 44 | 7 46 | 16 34 | 23 33 | 23 33 | 12 34 | 18 0 | 4 30 |
| T 9 | 9 49 | 12 42 | 4 40 | 19 9 | 2 39 | 6 3 | 1 15 | 9 20 | 1 22 | 13 43 | 0 53 | 20 21 | 0 26 | 22 34 | 0 5 | 14 31 | 0 44 | 7 45 | 16 34 | 23 33 | 23 33 | 12 32 | 18 0 | 4 30 |
| F 10 | 10 11 | 8 20 | 4 58 | 19 32 | 2 42 | 6 33 | 1 13 | 9 3 | 1 22 | 13 39 | 0 53 | 20 20 | 0 26 | 22 34 | 0 5 | 14 31 | 0 44 | 7 45 | 16 34 | 23 33 | 23 33 | 12 29 | 18 1 | 4 30 |
| S 11 | 10 32 | 3 38 | 5 3 | 19 51 | 2 44 | 7 2 | 1 12 | 8 46 | 1 22 | 13 36 | 0 53 | 20 20 | 0 26 | 22 34 | 0 5 | 14 31 | 0 44 | 7 44 | 16 34 | 23 33 | 23 33 | 12 27 | 18 2 | 4 30 |
| S 12 | 10 53 | 1n16 | 4 54 | 20 9 | 2 45 | 7 31 | 1 10 | 8 28 | 1 22 | 13 33 | 0 53 | 20 19 | 0 26 | 22 35 | 0 5 | 14 31 | 0 44 | 7 44 | 16 34 | 23 33 | 23 33 | 12 25 | 18 2 | 4 30 |
| M13 | 11 14 | 6 12 | 4 31 | 20 23 | 2 45 | 8 0 | 1 9 | 8 11 | 1 23 | 13 29 | 0 53 | 20 19 | 0 26 | 22 35 | 0 5 | 14 32 | 0 44 | 7 43 | 16 34 | 23 33 | 23 33 | 12 23 | 18 3 | 4 29 |
| T 14 | 11 34 | 10 57 | 3 55 | 20 35 | 2 44 | 8 28 | 1 8 | 7 53 | 1 23 | 13 26 | 0 54 | 20 19 | 0 26 | 22 35 | 0 5 | 14 32 | 0 44 | 7 43 | 16 34 | 23 33 | 23 33 | 12 20 | 18 4 | 4 29 |
| W15 | 11 55 | 15 19 | 3 8 | 20 44 | 2 42 | 8 57 | 1 6 | 7 36 | 1 23 | 13 23 | 0 54 | 20 18 | 0 27 | 22 36 | 0 5 | 14 32 | 0 44 | 7 43 | 16 34 | 23 33 | 23 33 | 12 18 | 18 4 | 4 29 |
| T 16 | 12 15 | 19 3 | 2 10 | 20 51 | 2 38 | 9 25 | 1 4 | 7 18 | 1 23 | 13 20 | 0 54 | 20 18 | 0 27 | 22 36 | 0 5 | 14 32 | 0 44 | 7 42 | 16 34 | 23 33 | 23 33 | 12 16 | 18 5 | 4 29 |
| F 17 | 12 35 | 21 55 | 1 4 | 20 55 | 2 34 | 9 53 | 1 3 | 7 0 | 1 23 | 13 17 | 0 54 | 20 18 | 0 27 | 22 36 | 0 5 | 14 32 | 0 44 | 7 42 | 16 34 | 23 33 | 23 33 | 12 14 | 18 6 | 4 29 |
| S 18 | 12 55 | 23 39 | 0n 6 | 20 57 | 2 28 | 10 21 | 1 1 | 6 43 | 1 24 | 13 13 | 0 55 | 20 17 | 0 27 | 22 37 | 0 5 | 14 32 | 0 44 | 7 41 | 16 34 | 23 33 | 23 33 | 12 11 | 18 6 | 4 29 |
| S 19 | 13 14 | 24 4 | 1 17 | 20 56 | 2 22 | 10 49 | 0 59 | 6 25 | 1 24 | 13 10 | 0 55 | 20 17 | 0 27 | 22 37 | 0 5 | 14 32 | 0 44 | 7 41 | 16 34 | 23 33 | 23 33 | 12 9 | 18 7 | 4 29 |
| M20 | 13 34 | 23 3 | 2 25 | 20 53 | 2 14 | 11 16 | 0 58 | 6 7 | 1 24 | 13 7 | 0 55 | 20 17 | 0 27 | 22 37 | 0 5 | 14 32 | 0 44 | 7 40 | 16 34 | 23 33 | 23 33 | 12 7 | 18 8 | 4 28 |
| T 21 | 13 53 | 20 36 | 3 26 | 20 47 | 2 5 | 11 43 | 0 56 | 5 49 | 1 24 | 13 4 | 0 55 | 20 17 | 0 27 | 22 38 | 0 5 | 14 32 | 0 44 | 7 40 | 16 34 | 23 33 | 23 33 | 12 4 | 18 8 | 4 28 |
| W22 | 14 12 | 16 53 | 4 16 | 20 39 | 1 55 | 12 10 | 0 54 | 5 31 | 1 24 | 13 1 | 0 55 | 20 16 | 0 27 | 22 38 | 0 5 | 14 32 | 0 44 | 7 40 | 16 34 | 23 33 | 23 33 | 12 2 | 18 9 | 4 28 |
| T 23 | 14 30 | 12 7 | 4 50 | 20 28 | 1 44 | 12 37 | 0 52 | 5 13 | 1 24 | 12 58 | 0 56 | 20 16 | 0 28 | 22 39 | 0 5 | 14 32 | 0 44 | 7 39 | 16 35 | 23 33 | 23 33 | 12 0 | 18 10 | 4 28 |
| F 24 | 14 49 | 6 36 | 5 6 | 20 15 | 1 31 | 13 3 | 0 50 | 4 55 | 1 24 | 12 56 | 0 56 | 20 16 | 0 28 | 22 39 | 0 5 | 14 32 | 0 44 | 7 39 | 16 35 | 23 33 | 23 33 | 11 58 | 18 10 | 4 28 |
| S 25 | 15 7 | 0 42 | 5 2 | 20 1 | 1 18 | 13 29 | 0 48 | 4 37 | 1 24 | 12 53 | 0 56 | 20 16 | 0 28 | 22 39 | 0 5 | 14 32 | 0 44 | 7 38 | 16 35 | 23 33 | 23 33 | 11 55 | 18 11 | 4 28 |
| S 26 | 15 25 | 5s15 | 4 38 | 19 44 | 1 4 | 13 54 | 0 46 | 4 19 | 1 25 | 12 50 | 0 56 | 20 16 | 0 28 | 22 40 | 0 5 | 14 32 | 0 44 | 7 38 | 16 35 | 23 33 | 23 33 | 11 53 | 18 12 | 4 28 |
| M27 | 15 43 | 10 51 | 3 56 | 19 25 | 0 49 | 14 20 | 0 44 | 4 1 | 1 25 | 12 47 | 0 57 | 20 16 | 0 28 | 22 40 | 0 5 | 14 32 | 0 44 | 7 38 | 16 35 | 23 33 | 23 33 | 11 51 | 18 12 | 4 28 |
| T 28 | 16 0 | 15 47 | 3 1 | 19 5 | 0 33 | 14 45 | 0 42 | 3 43 | 1 25 | 12 45 | 0 57 | 20 16 | 0 28 | 22 41 | 0 5 | 14 32 | 0 44 | 7 37 | 16 35 | 23 33 | 23 33 | 11 48 | 18 13 | 4 28 |
| W29 | 16 18 | 19 44 | 1 55 | 18 43 | 0 17 | 15 9 | 0 40 | 3 25 | 1 25 | 12 42 | 0 57 | 20 16 | 0 28 | 22 41 | 0 5 | 14 32 | 0 44 | 7 37 | 16 35 | 23 33 | 23 33 | 11 46 | 18 13 | 4 27 |
| T 30 | 16n35 | 22s29 | 0n45 | 18n19 | 0n 0 | 15n33 | 0s38 | 3s 7 | 1s25 | 12s39 | 0s57 | 20s16 | 0s28 | 22n41 | 0n 5 | 14n32 | 0n44 | 7s37 | 16s35 | 23n33 | 23n33 | 11s44 | 18n14 | 4s27 |

Julian Day Number = 2125845.5, Delta T = 17m16s
Ecliptic obliquity = 23°33'18, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'30, Lahiri = 11°25'31 Julian Calendar 1 Apr. 1108 == Greg. Calendar 8 Apr. 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## MAY 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 0 50 | 16♉30'41 | 3♋51 | 21°R21 | 15♉22 | 26♓11 | 29♒28 | 2♒ 3 | 14♊12 | 23♌12 | 19♈45 | 29°D 2 | 0♋38 | 11♓44 | 14♊42 | F 1 |
| S 2 | 15 4 47 | 17°28'18 | 16°34 | 20♉50 | 16°35 | 26°57 | 29°36 | 2° 4 | 14°16 | 23°12 | 19°46 | 29♊ 3 | 0°35 | 11°51 | 14°47 | S 2 |
| S 3 | 15 8 43 | 18°25'55 | 28°58 | 20°17 | 17°49 | 27°42 | 29°43 | 2° 4 | 14°19 | 23°12 | 19°47 | 29° 4 | 0°31 | 11°58 | 14°52 | S 3 |
| M 4 | 15 12 40 | 19°23'30 | 11♒ 7 | 19°43 | 19° 3 | 28°27 | 29°51 | 2° 4 | 14°22 | 23°13 | 19°49 | 29° 6 | 0°28 | 12° 4 | 14°57 | M 4 |
| T 5 | 15 16 36 | 20°21'05 | 23° 5 | 19° 8 | 20°17 | 29°12 | 29°58 | 2° 4 | 14°26 | 23°13 | 19°50 | 29°R 6 | 0°25 | 12°11 | 15° 2 | T 5 |
| W 6 | 15 20 33 | 21°18'38 | 4♓58 | 18°34 | 21°30 | 29°58 | 0♓ 5 | 2°R 4 | 14°29 | 23°13 | 19°51 | 29° 5 | 0°22 | 12°18 | 15° 7 | W 6 |
| T 7 | 15 24 30 | 22°16'10 | 16°50 | 18° 1 | 22°44 | 0♈43 | 0°12 | 2° 4 | 14°32 | 23°13 | 19°52 | 29° 2 | 0°19 | 12°25 | 15°13 | T 7 |
| F 8 | 15 28 26 | 23°13'42 | 28°46 | 17°30 | 23°58 | 1°28 | 0°19 | 2° 4 | 14°36 | 23°14 | 19°54 | 28°58 | 0°15 | 12°31 | 15°18 | F 8 |
| S 9 | 15 32 23 | 24°11'13 | 10♈49 | 17° 0 | 25°12 | 2°13 | 0°26 | 2° 4 | 14°39 | 23°14 | 19°55 | 28°53 | 0°12 | 12°38 | 15°23 | S 9 |
| S 10 | 15 36 19 | 25° 8'42 | 23° 3 | 16°33 | 26°25 | 2°58 | 0°33 | 2° 3 | 14°43 | 23°14 | 19°56 | 28°47 | 0° 9 | 12°45 | 15°28 | S 10 |
| M11 | 15 40 16 | 26° 6'11 | 5♉29 | 16° 9 | 27°39 | 3°43 | 0°39 | 2° 3 | 14°46 | 23°15 | 19°57 | 28°41 | 0° 6 | 12°51 | 15°34 | M11 |
| T 12 | 15 44 12 | 27° 3'39 | 18° 9 | 15°48 | 28°53 | 4°28 | 0°45 | 2° 2 | 14°49 | 23°15 | 19°58 | 28°36 | 0° 3 | 12°58 | 15°39 | T 12 |
| W13 | 15 48 9 | 28° 1'06 | 1♊ 4 | 15°31 | 0♊ 7 | 5°12 | 0°51 | 2° 2 | 14°53 | 23°16 | 19°59 | 28°33 | 29♊59 | 13° 5 | 15°44 | W13 |
| T 14 | 15 52 5 | 28°58'32 | 14°12 | 15°18 | 1°20 | 5°57 | 0°57 | 2° 1 | 14°56 | 23°16 | 20° 0 | 28°30 | 29°56 | 13°12 | 15°49 | T 14 |
| F 15 | 15 56 2 | 29°55'57 | 27°33 | 15° 9 | 2°34 | 6°42 | 1° 3 | 2° 0 | 15° 0 | 23°17 | 20° 2 | 28°D30 | 29°53 | 13°18 | 15°55 | F 15 |
| S 16 | 15 59 59 | 0♊53'21 | 11♋ 6 | 15° 4 | 3°48 | 7°27 | 1° 9 | 1°59 | 15° 3 | 23°17 | 20° 3 | 28°30 | 29°50 | 13°25 | 16° 0 | S 16 |
| S 17 | 16 3 55 | 1°50'44 | 24°51 | 15°D 3 | 5° 2 | 8°11 | 1°14 | 1°58 | 15° 7 | 23°18 | 20° 4 | 28°31 | 29°47 | 13°32 | 16° 6 | S 17 |
| M18 | 16 7 52 | 2°48'05 | 8♌45 | 15° 7 | 6°15 | 8°56 | 1°19 | 1°57 | 15°10 | 23°19 | 20° 5 | 28°33 | 29°44 | 13°39 | 16°11 | M18 |
| T 19 | 16 11 48 | 3°45'26 | 22°48 | 15°15 | 7°29 | 9°40 | 1°25 | 1°56 | 15°14 | 23°19 | 20° 6 | 28°34 | 29°41 | 13°45 | 16°16 | T 19 |
| W20 | 16 15 45 | 4°42'45 | 6♍59 | 15°28 | 8°43 | 10°25 | 1°30 | 1°54 | 15°17 | 23°20 | 20° 7 | 28°R34 | 29°37 | 13°52 | 16°22 | W20 |
| T 21 | 16 19 41 | 5°40'04 | 21°15 | 15°45 | 9°56 | 11° 9 | 1°34 | 1°53 | 15°21 | 23°21 | 20° 8 | 28°34 | 29°34 | 13°59 | 16°27 | T 21 |
| F 22 | 16 23 38 | 6°37'21 | 5♎33 | 16° 7 | 11°10 | 11°53 | 1°39 | 1°51 | 15°24 | 23°21 | 20° 9 | 28°32 | 29°31 | 14° 5 | 16°33 | F 22 |
| S 23 | 16 27 34 | 7°34'37 | 19°51 | 16°33 | 12°24 | 12°38 | 1°43 | 1°50 | 15°28 | 23°22 | 20°10 | 28°30 | 29°28 | 14°12 | 16°38 | S 23 |
| S 24 | 16 31 31 | 8°31'52 | 4♏ 4 | 17° 4 | 13°37 | 13°22 | 1°48 | 1°48 | 15°32 | 23°23 | 20°11 | 28°27 | 29°25 | 14°19 | 16°44 | S 24 |
| M25 | 16 35 28 | 9°29'07 | 18° 8 | 17°39 | 14°51 | 14° 6 | 1°52 | 1°46 | 15°35 | 23°24 | 20°12 | 28°24 | 29°21 | 14°26 | 16°49 | M25 |
| T 26 | 16 39 24 | 10°26'21 | 1♐59 | 18°18 | 16° 5 | 14°50 | 1°56 | 1°45 | 15°39 | 23°25 | 20°13 | 28°22 | 29°18 | 14°32 | 16°55 | T 26 |
| W27 | 16 43 21 | 11°23'34 | 15°34 | 19° 1 | 17°18 | 15°34 | 1°59 | 1°43 | 15°42 | 23°26 | 20°14 | 28°21 | 29°15 | 14°39 | 17° 0 | W27 |
| T 28 | 16 47 17 | 12°20'47 | 28°51 | 19°48 | 18°32 | 16°18 | 2° 3 | 1°41 | 15°46 | 23°27 | 20°15 | 28°D21 | 29°12 | 14°46 | 17° 6 | T 28 |
| F 29 | 16 51 14 | 13°17'59 | 11♑49 | 20°40 | 19°46 | 17° 2 | 2° 6 | 1°38 | 15°49 | 23°28 | 20°16 | 28°21 | 29° 9 | 14°52 | 17°11 | F 29 |
| S 30 | 16 55 10 | 14°15'11 | 24°28 | 21°35 | 20°59 | 17°46 | 2°10 | 1°36 | 15°53 | 23°29 | 20°17 | 28°22 | 29° 6 | 14°59 | 17°17 | S 30 |
| S 31 | 16 59 7 | 15♊12'23 | 6♒51 | 22♉34 | 22♊13 | 18♈29 | 2♓13 | 1♒34 | 15♊57 | 23♌30 | 20♈18 | 28♊23 | 29♊ 2 | 15♓ 6 | 17♊22 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n51 | 23 s56 | 0s26 | 17n55 | 0s17 | 15n57 | 0s36 | 2s49 | 1s25 | 12s37 | 0s58 | 20s16 | 0s29 | 22n42 | 0n 5 | 14n32 | 0n44 | 7s36 | 16s35 | 23n33 | 23n33 | 11s41 | 18n15 | 4s27 |
| S 2 | 17 8 | 24 4 | 1 34 | 17 30 | 0 34 | 16 21 | 0 33 | 2 31 | 1 25 | 12 34 | 0 58 | 20 16 | 0 29 | 22 42 | 0 5 | 14 32 | 0 44 | 7 36 | 16 36 | 23 33 | 23 33 | 11 39 | 18 15 | 4 27 |
| S 3 | 17 24 | 23 0 | 2 35 | 17 4 | 0 52 | 16 44 | 0 31 | 2 13 | 1 25 | 12 32 | 0 58 | 20 16 | 0 29 | 22 42 | 0 5 | 14 32 | 0 44 | 7 36 | 16 36 | 23 33 | 23 33 | 11 37 | 18 16 | 4 27 |
| M 4 | 17 40 | 20 52 | 3 28 | 16 38 | 1 9 | 17 6 | 0 29 | 1 55 | 1 25 | 12 29 | 0 58 | 20 16 | 0 29 | 22 43 | 0 5 | 14 32 | 0 44 | 7 35 | 16 36 | 23 33 | 23 33 | 11 34 | 18 17 | 4 27 |
| T 5 | 17 55 | 17 51 | 4 12 | 16 13 | 1 26 | 17 28 | 0 27 | 1 37 | 1 25 | 12 27 | 0 59 | 20 16 | 0 29 | 22 43 | 0 5 | 14 32 | 0 44 | 7 35 | 16 36 | 23 33 | 23 33 | 11 32 | 18 17 | 4 27 |
| W 6 | 18 11 | 14 8 | 4 44 | 15 47 | 1 43 | 17 50 | 0 25 | 1 19 | 1 25 | 12 25 | 0 59 | 20 16 | 0 29 | 22 44 | 0 5 | 14 32 | 0 44 | 7 35 | 16 36 | 23 33 | 23 33 | 11 30 | 18 18 | 4 27 |
| T 7 | 18 26 | 9 53 | 5 4 | 15 23 | 1 59 | 18 11 | 0 22 | 1 1 | 1 25 | 12 23 | 0 59 | 20 16 | 0 29 | 22 44 | 0 5 | 14 32 | 0 44 | 7 34 | 16 36 | 23 33 | 23 33 | 11 27 | 18 18 | 4 27 |
| F 8 | 18 40 | 5 14 | 5 11 | 14 59 | 2 14 | 18 32 | 0 20 | 0 43 | 1 25 | 12 20 | 0 59 | 20 16 | 0 29 | 22 44 | 0 5 | 14 32 | 0 44 | 7 34 | 16 37 | 23 33 | 23 33 | 11 25 | 18 19 | 4 27 |
| S 9 | 18 55 | 0 21 | 5 4 | 14 37 | 2 29 | 18 52 | 0 18 | 0 25 | 1 25 | 12 18 | 1 0 | 20 17 | 0 30 | 22 45 | 0 5 | 14 32 | 0 44 | 7 34 | 16 37 | 23 33 | 23 33 | 11 23 | 18 20 | 4 27 |
| S 10 | 19 9 | 4n37 | 4 44 | 14 16 | 2 42 | 19 12 | 0 15 | 0 7 | 1 25 | 12 16 | 1 0 | 20 17 | 0 30 | 22 45 | 0 5 | 14 32 | 0 44 | 7 34 | 16 37 | 23 33 | 23 33 | 11 20 | 18 20 | 4 27 |
| M11 | 19 22 | 9 30 | 4 9 | 13 57 | 2 55 | 19 31 | 0 13 | 0n11 | 1 25 | 12 14 | 1 0 | 20 17 | 0 30 | 22 46 | 0 5 | 14 31 | 0 44 | 7 33 | 16 37 | 23 33 | 23 33 | 11 18 | 18 21 | 4 27 |
| T 12 | 19 36 | 14 5 | 3 22 | 13 40 | 3 7 | 19 50 | 0 11 | 0 29 | 1 25 | 12 12 | 1 1 | 20 17 | 0 30 | 22 46 | 0 5 | 14 31 | 0 44 | 7 33 | 16 37 | 23 33 | 23 33 | 11 15 | 18 21 | 4 27 |
| W13 | 19 49 | 18 7 | 2 24 | 13 25 | 3 17 | 20 8 | 0 8 | 0 47 | 1 25 | 12 10 | 1 1 | 20 18 | 0 30 | 22 46 | 0 5 | 14 31 | 0 44 | 7 33 | 16 37 | 23 33 | 23 33 | 11 13 | 18 22 | 4 27 |
| T 14 | 20 2 | 21 20 | 1 17 | 13 13 | 3 26 | 20 26 | 0 6 | 1 5 | 1 25 | 12 8 | 1 1 | 20 18 | 0 30 | 22 47 | 0 5 | 14 31 | 0 44 | 7 33 | 16 38 | 23 33 | 23 33 | 11 11 | 18 22 | 4 27 |
| F 15 | 20 14 | 23 27 | 0 5 | 13 2 | 3 34 | 20 43 | 0 4 | 1 22 | 1 25 | 12 6 | 1 1 | 20 18 | 0 30 | 22 47 | 0 5 | 14 31 | 0 44 | 7 32 | 16 38 | 23 33 | 23 33 | 11 8 | 18 23 | 4 27 |
| S 16 | 20 26 | 24 14 | 1n 9 | 12 55 | 3 41 | 21 0 | 0 1 | 1 40 | 1 25 | 12 5 | 1 2 | 20 19 | 0 31 | 22 48 | 0 5 | 14 30 | 0 44 | 7 32 | 16 38 | 23 33 | 23 33 | 11 6 | 18 24 | 4 27 |
| S 17 | 20 38 | 23 33 | 2 19 | 12 49 | 3 47 | 21 16 | 0n 1 | 1 58 | 1 25 | 12 3 | 1 2 | 20 19 | 0 31 | 22 48 | 0 5 | 14 30 | 0 44 | 7 32 | 16 38 | 23 33 | 23 33 | 11 4 | 18 24 | 4 27 |
| M18 | 20 49 | 21 25 | 3 23 | 12 46 | 3 51 | 21 31 | 0 4 | 2 16 | 1 25 | 12 1 | 1 2 | 20 19 | 0 31 | 22 48 | 0 5 | 14 30 | 0 44 | 7 32 | 16 39 | 23 33 | 23 33 | 11 1 | 18 25 | 4 27 |
| T 19 | 21 0 | 18 0 | 4 15 | 12 45 | 3 54 | 21 46 | 0 6 | 2 33 | 1 24 | 12 0 | 1 2 | 20 20 | 0 31 | 22 49 | 0 5 | 14 30 | 0 44 | 7 32 | 16 39 | 23 33 | 23 33 | 10 59 | 18 25 | 4 27 |
| W20 | 21 11 | 13 30 | 4 52 | 12 47 | 3 57 | 22 0 | 0 8 | 2 51 | 1 24 | 11 58 | 1 3 | 20 20 | 0 31 | 22 49 | 0 5 | 14 30 | 0 44 | 7 32 | 16 39 | 23 33 | 23 33 | 10 56 | 18 26 | 4 27 |
| T 21 | 21 21 | 8 15 | 5 12 | 12 50 | 3 58 | 22 14 | 0 11 | 3 9 | 1 24 | 11 57 | 1 3 | 20 21 | 0 31 | 22 50 | 0 5 | 14 29 | 0 44 | 7 31 | 16 39 | 23 33 | 23 33 | 10 54 | 18 26 | 4 27 |
| F 22 | 21 31 | 2 33 | 5 12 | 12 57 | 3 58 | 22 26 | 0 13 | 3 26 | 1 24 | 11 55 | 1 3 | 20 21 | 0 31 | 22 50 | 0 5 | 14 29 | 0 44 | 7 31 | 16 39 | 23 33 | 23 33 | 10 52 | 18 27 | 4 27 |
| S 23 | 21 41 | 3s17 | 4 53 | 13 5 | 3 57 | 22 39 | 0 16 | 3 43 | 1 24 | 11 54 | 1 4 | 20 21 | 0 31 | 22 50 | 0 5 | 14 29 | 0 44 | 7 31 | 16 40 | 23 33 | 23 33 | 10 49 | 18 27 | 4 27 |
| S 24 | 21 50 | 8 55 | 4 16 | 13 15 | 3 55 | 22 50 | 0 18 | 4 1 | 1 24 | 11 53 | 1 4 | 20 22 | 0 32 | 22 51 | 0 5 | 14 28 | 0 44 | 7 31 | 16 40 | 23 33 | 23 33 | 10 47 | 18 28 | 4 27 |
| M25 | 21 59 | 14 3 | 3 24 | 13 28 | 3 52 | 23 1 | 0 20 | 4 18 | 1 24 | 11 52 | 1 4 | 20 23 | 0 32 | 22 51 | 0 5 | 14 28 | 0 44 | 7 31 | 16 40 | 23 33 | 23 33 | 10 44 | 18 28 | 4 27 |
| T 26 | 22 7 | 18 22 | 2 20 | 13 42 | 3 48 | 23 12 | 0 23 | 4 35 | 1 23 | 11 51 | 1 4 | 20 23 | 0 32 | 22 52 | 0 5 | 14 28 | 0 44 | 7 31 | 16 40 | 23 33 | 23 33 | 10 42 | 18 29 | 4 27 |
| W27 | 22 15 | 21 37 | 1 10 | 13 58 | 3 44 | 23 21 | 0 25 | 4 53 | 1 23 | 11 49 | 1 5 | 20 24 | 0 32 | 22 52 | 0 5 | 14 28 | 0 44 | 7 31 | 16 41 | 23 33 | 23 33 | 10 40 | 18 29 | 4 27 |
| T 28 | 22 23 | 23 36 | 0s 3 | 14 16 | 3 39 | 23 30 | 0 27 | 5 10 | 1 23 | 11 48 | 1 5 | 20 24 | 0 32 | 22 52 | 0 5 | 14 27 | 0 43 | 7 30 | 16 41 | 23 33 | 23 33 | 10 37 | 18 30 | 4 27 |
| F 29 | 22 30 | 24 15 | 1 14 | 14 35 | 3 33 | 23 39 | 0 29 | 5 27 | 1 23 | 11 47 | 1 5 | 20 25 | 0 32 | 22 53 | 0 5 | 14 27 | 0 43 | 7 30 | 16 41 | 23 33 | 23 33 | 10 35 | 18 30 | 4 27 |
| S 30 | 22 37 | 23 37 | 2 19 | 14 56 | 3 26 | 23 46 | 0 32 | 5 44 | 1 23 | 11 47 | 1 6 | 20 25 | 0 32 | 22 53 | 0 5 | 14 27 | 0 43 | 7 30 | 16 41 | 23 33 | 23 33 | 10 32 | 18 31 | 4 27 |
| S 31 | 22n44 | 21 s49 | 3s17 | 15n18 | 3s18 | 23n53 | 0n34 | 6n 1 | 1s22 | 11s46 | 1s 6 | 20s26 | 0s32 | 22n54 | 0n 5 | 14n26 | 0n43 | 7s30 | 16s42 | 23n33 | 23n33 | 10s30 | 18n31 | 4s27 |

Julian Day Number = 2125875.5, Delta T = 17m16s
Ecliptic obliquity = 23°33'17, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'34, Lahiri = 11°25'35 Julian Calendar 1 May 1108 == Greg. Calendar 8 May 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## JUNE 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 3 3 | 16♊ 9'34 | 19♒ 1 | 23♉37 | 23♊27 | 19♈13 | 2♓15 | 1°R32 | 16♊ 0 | 23♎31 | 20♈18 | 28♊24 | 28♊59 | 15♓13 | 17♊28 | M 1 |
| T 2 | 17 7 0 | 17° 6'45 | 1♓ 0 | 24°43 | 24°40 | 19°57 | 2°18 | 1♒29 | 16° 4 | 23°32 | 20°19 | 28°25 | 28°56 | 15°19 | 17°33 | T 2 |
| W 3 | 17 10 57 | 18° 3'56 | 12°55 | 25°53 | 25°54 | 20°40 | 2°21 | 1°27 | 16° 7 | 23°33 | 20°20 | 28°R26 | 28°53 | 15°26 | 17°39 | W 3 |
| T 4 | 17 14 53 | 19° 1'07 | 24°48 | 27° 7 | 27° 8 | 21°24 | 2°23 | 1°24 | 16°11 | 23°34 | 20°21 | 28°26 | 28°50 | 15°33 | 17°44 | T 4 |
| F 5 | 17 18 50 | 19°58'18 | 6♈45 | 28°25 | 28°21 | 22° 7 | 2°25 | 1°21 | 16°15 | 23°35 | 20°22 | 28°25 | 28°47 | 15°39 | 17°50 | F 5 |
| S 6 | 17 22 46 | 20°55'29 | 18°51 | 29°46 | 29°35 | 22°50 | 2°27 | 1°18 | 16°18 | 23°36 | 20°22 | 28°25 | 28°43 | 15°46 | 17°55 | S 6 |
| S 7 | 17 26 43 | 21°52'40 | 1♉ 8 | 1♊10 | 0♋49 | 23°34 | 2°29 | 1°16 | 16°22 | 23°38 | 20°23 | 28°24 | 28°40 | 15°53 | 18° 1 | S 7 |
| M 8 | 17 30 39 | 22°49'51 | 13°41 | 2°38 | 2° 2 | 24°17 | 2°30 | 1°13 | 16°25 | 23°39 | 20°24 | 28°23 | 28°37 | 16° 0 | 18° 6 | M 8 |
| T 9 | 17 34 36 | 23°47'02 | 26°31 | 4° 9 | 3°16 | 25° 0 | 2°31 | 1°10 | 16°29 | 23°40 | 20°25 | 28°22 | 28°34 | 16° 6 | 18°12 | T 9 |
| W10 | 17 38 32 | 24°44'13 | 9♊40 | 5°44 | 4°30 | 25°43 | 2°33 | 1° 7 | 16°32 | 23°42 | 20°25 | 28°22 | 28°31 | 16°13 | 18°17 | W10 |
| T 11 | 17 42 29 | 25°41'24 | 23° 8 | 7°22 | 5°43 | 26°26 | 2°34 | 1° 3 | 16°36 | 23°43 | 20°26 | 28°D22 | 28°27 | 16°20 | 18°23 | T 11 |
| F 12 | 17 46 26 | 26°38'35 | 6♋54 | 9° 3 | 6°57 | 27° 9 | 2°34 | 1° 0 | 16°39 | 23°44 | 20°27 | 28°22 | 28°24 | 16°27 | 18°28 | F 12 |
| S 13 | 17 50 22 | 27°35'46 | 20°53 | 10°48 | 8°11 | 27°52 | 2°35 | 0°57 | 16°43 | 23°46 | 20°27 | 28°22 | 28°21 | 16°33 | 18°34 | S 13 |
| S 14 | 17 54 19 | 28°32'57 | 5♌ 4 | 12°35 | 9°24 | 28°34 | 2°35 | 0°54 | 16°47 | 23°47 | 20°28 | 28°R22 | 28°18 | 16°40 | 18°39 | S 14 |
| M15 | 17 58 15 | 29°30'08 | 19°22 | 14°26 | 10°38 | 29°17 | 2°R35 | 0°50 | 16°50 | 23°49 | 20°29 | 28°22 | 28°15 | 16°47 | 18°45 | M15 |
| T 16 | 18 2 12 | 0♋27'18 | 3♍43 | 16°19 | 11°52 | 29°59 | 2°35 | 0°47 | 16°54 | 23°50 | 20°29 | 28°22 | 28°12 | 16°53 | 18°50 | T 16 |
| W17 | 18 6 8 | 1°24'29 | 18° 2 | 18°15 | 13° 5 | 0♉42 | 2°35 | 0°43 | 16°57 | 23°51 | 20°30 | 28°22 | 28° 8 | 17° 0 | 18°56 | W17 |
| T 18 | 18 10 5 | 2°21'39 | 2♎18 | 20°13 | 14°19 | 1°24 | 2°35 | 0°40 | 17° 1 | 23°53 | 20°30 | 28°D22 | 28° 5 | 17° 7 | 19° 1 | T 18 |
| F 19 | 18 14 2 | 3°18'48 | 16°27 | 22°14 | 15°33 | 2° 7 | 2°34 | 0°36 | 17° 4 | 23°55 | 20°31 | 28°22 | 28° 2 | 17°14 | 19° 7 | F 19 |
| S 20 | 18 17 58 | 4°15'58 | 0♏27 | 24°17 | 16°46 | 2°49 | 2°33 | 0°32 | 17° 8 | 23°56 | 20°31 | 28°22 | 27°59 | 17°20 | 19°12 | S 20 |
| S 21 | 18 21 55 | 5°13'08 | 14°16 | 26°21 | 18° 0 | 3°31 | 2°32 | 0°28 | 17°11 | 23°58 | 20°32 | 28°23 | 27°56 | 17°27 | 19°18 | S 21 |
| M22 | 18 25 51 | 6°10'18 | 27°53 | 28°27 | 19°14 | 4°13 | 2°31 | 0°25 | 17°14 | 23°59 | 20°32 | 28°23 | 27°53 | 17°34 | 19°23 | M22 |
| T 23 | 18 29 48 | 7° 7'28 | 11♐18 | 0♋34 | 20°27 | 4°55 | 2°30 | 0°21 | 17°18 | 24° 1 | 20°33 | 28°24 | 27°49 | 17°40 | 19°28 | T 23 |
| W24 | 18 33 44 | 8° 4'38 | 24°29 | 2°42 | 21°41 | 5°37 | 2°28 | 0°17 | 17°21 | 24° 3 | 20°33 | 28°R24 | 27°46 | 17°47 | 19°34 | W24 |
| T 25 | 18 37 41 | 9° 1'48 | 7♑26 | 4°50 | 22°54 | 6°18 | 2°26 | 0°13 | 17°25 | 24° 4 | 20°34 | 28°24 | 27°43 | 17°54 | 19°39 | T 25 |
| F 26 | 18 41 37 | 9°58'59 | 20° 9 | 6°59 | 24° 8 | 7° 0 | 2°24 | 0° 9 | 17°28 | 24° 6 | 20°34 | 28°23 | 27°40 | 18° 1 | 19°44 | F 26 |
| S 27 | 18 45 34 | 10°56'11 | 2♒38 | 9° 8 | 25°22 | 7°42 | 2°22 | 0° 5 | 17°31 | 24° 8 | 20°35 | 28°22 | 27°37 | 18° 7 | 19°50 | S 27 |
| S 28 | 18 49 31 | 11°53'23 | 14°55 | 11°16 | 26°35 | 8°23 | 2°20 | 0° 1 | 17°35 | 24° 9 | 20°35 | 28°20 | 27°33 | 18°14 | 19°55 | S 28 |
| M29 | 18 53 27 | 12°50'35 | 27° 2 | 13°24 | 27°49 | 9° 4 | 2°17 | 29♑56 | 17°38 | 24°11 | 20°35 | 28°18 | 27°30 | 18°21 | 20° 0 | M29 |
| T 30 | 18 57 24 | 13♋47'48 | 9♓ 0 | 15♋31 | 29♋ 2 | 9♉46 | 2♓15 | 29♑52 | 17♊41 | 24♌13 | 20♈36 | 28♊16 | 27♊27 | 18♓28 | 20♊ 6 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n50 | 19s 4 | 4s 5 | 15n41 | 3s10 | 24n 0 | 0n36 | 6n18 | 1s22 | 11s45 | 1s 6 | 20s27 | 0s33 | 22n54 | 0n 5 | 14n26 | 0n43 | 7s30 | 16s42 | 23n33 | 23n33 | 10s27 | 18n31 | 4s27 |
| T 2 | 22 56 | 15 32 | 4 41 | 16 6 | 3 2 | 24 5 | 0 38 | 6 34 | 1 22 | 11 44 | 1 7 | 20 27 | 0 33 | 22 54 | 0 5 | 14 25 | 0 43 | 7 30 | 16 42 | 23 33 | 23 33 | 10 25 | 18 32 | 4 27 |
| W 3 | 23 1 | 11 26 | 5 5 | 16 31 | 2 53 | 24 10 | 0 41 | 6 51 | 1 22 | 11 44 | 1 7 | 20 28 | 0 33 | 22 55 | 0 5 | 14 25 | 0 43 | 7 30 | 16 42 | 23 33 | 23 33 | 10 23 | 18 32 | 4 28 |
| T 4 | 23 6 | 6 54 | 5 16 | 16 58 | 2 43 | 24 14 | 0 43 | 7 8 | 1 21 | 11 43 | 1 7 | 20 29 | 0 33 | 22 55 | 0 5 | 14 25 | 0 43 | 7 30 | 16 43 | 23 33 | 23 33 | 10 20 | 18 33 | 4 28 |
| F 5 | 23 10 | 2 6 | 5 13 | 17 25 | 2 33 | 24 17 | 0 45 | 7 24 | 1 21 | 11 43 | 1 7 | 20 30 | 0 33 | 22 55 | 0 5 | 14 24 | 0 43 | 7 30 | 16 43 | 23 33 | 23 33 | 10 18 | 18 33 | 4 28 |
| S 6 | 23 15 | 2n51 | 4 57 | 17 53 | 2 22 | 24 20 | 0 47 | 7 40 | 1 21 | 11 42 | 1 8 | 20 30 | 0 33 | 22 56 | 0 5 | 14 24 | 0 43 | 7 30 | 16 43 | 23 33 | 23 33 | 10 15 | 18 33 | 4 28 |
| S 7 | 23 18 | 7 46 | 4 26 | 18 21 | 2 12 | 24 22 | 0 49 | 7 57 | 1 20 | 11 42 | 1 8 | 20 31 | 0 33 | 22 56 | 0 5 | 14 23 | 0 43 | 7 30 | 16 44 | 23 33 | 23 33 | 10 13 | 18 34 | 4 28 |
| M 8 | 23 22 | 12 28 | 3 43 | 18 49 | 2 0 | 24 23 | 0 51 | 8 13 | 1 20 | 11 42 | 1 8 | 20 32 | 0 33 | 22 57 | 0 5 | 14 23 | 0 43 | 7 30 | 16 44 | 23 33 | 23 33 | 10 10 | 18 34 | 4 28 |
| T 9 | 23 24 | 16 45 | 2 47 | 19 18 | 1 49 | 24 24 | 0 53 | 8 29 | 1 20 | 11 42 | 1 9 | 20 33 | 0 34 | 22 57 | 0 5 | 14 23 | 0 43 | 7 30 | 16 44 | 23 33 | 23 33 | 10 8 | 18 35 | 4 28 |
| W10 | 23 27 | 20 20 | 1 42 | 19 46 | 1 37 | 24 24 | 0 55 | 8 45 | 1 20 | 11 41 | 1 9 | 20 33 | 0 34 | 22 57 | 0 5 | 14 22 | 0 43 | 7 30 | 16 44 | 23 33 | 23 33 | 10 5 | 18 35 | 4 28 |
| T 11 | 23 29 | 22 54 | 0 29 | 20 15 | 1 25 | 24 23 | 0 57 | 9 1 | 1 19 | 11 41 | 1 9 | 20 34 | 0 34 | 22 58 | 0 5 | 14 22 | 0 43 | 7 30 | 16 45 | 23 33 | 23 33 | 10 3 | 18 35 | 4 28 |
| F 12 | 23 31 | 24 9 | 0n47 | 20 43 | 1 13 | 24 21 | 0 59 | 9 17 | 1 19 | 11 41 | 1 10 | 20 35 | 0 34 | 22 58 | 0 5 | 14 21 | 0 43 | 7 30 | 16 45 | 23 33 | 23 33 | 10 0 | 18 36 | 4 29 |
| S 13 | 23 32 | 23 56 | 2 2 | 21 10 | 1 1 | 24 18 | 1 1 | 9 33 | 1 18 | 11 41 | 1 10 | 20 36 | 0 34 | 22 58 | 0 5 | 14 21 | 0 43 | 7 30 | 16 45 | 23 33 | 23 33 | 9 58 | 18 36 | 4 29 |
| S 14 | 23 33 | 22 9 | 3 10 | 21 37 | 0 49 | 24 15 | 1 2 | 9 48 | 1 18 | 11 42 | 1 10 | 20 37 | 0 34 | 22 59 | 0 5 | 14 20 | 0 43 | 7 30 | 16 46 | 23 33 | 23 33 | 9 55 | 18 36 | 4 29 |
| M15 | 23 33 | 18 59 | 4 6 | 22 2 | 0 37 | 24 11 | 1 4 | 10 4 | 1 18 | 11 42 | 1 11 | 20 38 | 0 34 | 22 59 | 0 5 | 14 20 | 0 43 | 7 30 | 16 46 | 23 33 | 23 33 | 9 53 | 18 37 | 4 29 |
| T 16 | 23 33 | 14 40 | 4 48 | 22 26 | 0 25 | 24 7 | 1 6 | 10 19 | 1 17 | 11 42 | 1 11 | 20 38 | 0 34 | 23 0 | 0 5 | 14 19 | 0 43 | 7 30 | 16 46 | 23 33 | 23 33 | 9 50 | 18 37 | 4 29 |
| W17 | 23 33 | 9 31 | 5 12 | 22 49 | 0 13 | 24 2 | 1 7 | 10 34 | 1 17 | 11 43 | 1 11 | 20 39 | 0 35 | 23 0 | 0 5 | 14 19 | 0 43 | 7 30 | 16 47 | 23 33 | 23 33 | 9 48 | 18 37 | 4 29 |
| T 18 | 23 32 | 3 55 | 5 16 | 23 10 | 0 1 | 23 56 | 1 9 | 10 49 | 1 17 | 11 43 | 1 11 | 20 40 | 0 35 | 23 0 | 0 5 | 14 18 | 0 43 | 7 30 | 16 47 | 23 33 | 23 32 | 9 45 | 18 37 | 4 29 |
| F 19 | 23 31 | 1s52 | 5 1 | 23 30 | 0n10 | 23 49 | 1 11 | 11 4 | 1 16 | 11 43 | 1 12 | 20 41 | 0 35 | 23 1 | 0 5 | 14 18 | 0 43 | 7 30 | 16 47 | 23 33 | 23 32 | 9 43 | 18 38 | 4 30 |
| S 20 | 23 29 | 7 29 | 4 29 | 23 47 | 0 21 | 23 41 | 1 12 | 11 19 | 1 16 | 11 44 | 1 12 | 20 42 | 0 35 | 23 1 | 0 5 | 14 17 | 0 43 | 7 31 | 16 48 | 23 33 | 23 32 | 9 41 | 18 38 | 4 30 |
| S 21 | 23 27 | 12 41 | 3 41 | 24 2 | 0 32 | 23 33 | 1 14 | 11 34 | 1 15 | 11 45 | 1 12 | 20 43 | 0 35 | 23 1 | 0 5 | 14 17 | 0 43 | 7 31 | 16 48 | 23 33 | 23 32 | 9 38 | 18 38 | 4 30 |
| M22 | 23 25 | 17 10 | 2 41 | 24 14 | 0 41 | 23 24 | 1 15 | 11 49 | 1 15 | 11 45 | 1 13 | 20 44 | 0 35 | 23 2 | 0 5 | 14 16 | 0 43 | 7 31 | 16 48 | 23 33 | 23 32 | 9 36 | 18 38 | 4 30 |
| T 23 | 23 22 | 20 42 | 1 33 | 24 24 | 0 51 | 23 15 | 1 16 | 12 3 | 1 14 | 11 46 | 1 13 | 20 45 | 0 35 | 23 2 | 0 5 | 14 16 | 0 43 | 7 31 | 16 49 | 23 33 | 23 32 | 9 33 | 18 39 | 4 30 |
| W24 | 23 18 | 23 5 | 0 22 | 24 31 | 1 0 | 23 5 | 1 18 | 12 18 | 1 14 | 11 47 | 1 13 | 20 46 | 0 35 | 23 2 | 0 5 | 14 15 | 0 43 | 7 31 | 16 49 | 23 33 | 23 32 | 9 30 | 18 39 | 4 31 |
| T 25 | 23 15 | 24 10 | 0s50 | 24 36 | 1 8 | 22 54 | 1 19 | 12 32 | 1 13 | 11 48 | 1 14 | 20 47 | 0 35 | 23 3 | 0 5 | 14 14 | 0 43 | 7 31 | 16 49 | 23 33 | 23 32 | 9 28 | 18 39 | 4 31 |
| F 26 | 23 11 | 23 58 | 1 57 | 24 37 | 1 15 | 22 42 | 1 20 | 12 46 | 1 13 | 11 49 | 1 14 | 20 48 | 0 36 | 23 3 | 0 5 | 14 14 | 0 43 | 7 31 | 16 50 | 23 33 | 23 32 | 9 25 | 18 39 | 4 31 |
| S 27 | 23 6 | 22 33 | 2 58 | 24 36 | 1 22 | 22 30 | 1 21 | 13 0 | 1 12 | 11 50 | 1 14 | 20 49 | 0 36 | 23 3 | 0 5 | 14 13 | 0 43 | 7 32 | 16 50 | 23 33 | 23 32 | 9 23 | 18 39 | 4 31 |
| S 28 | 23 1 | 20 5 | 3 49 | 24 32 | 1 28 | 22 17 | 1 22 | 13 14 | 1 12 | 11 51 | 1 14 | 20 50 | 0 36 | 23 4 | 0 5 | 14 13 | 0 43 | 7 32 | 16 50 | 23 33 | 23 32 | 9 20 | 18 40 | 4 31 |
| M29 | 22 56 | 16 47 | 4 30 | 24 25 | 1 33 | 22 4 | 1 23 | 13 28 | 1 11 | 11 52 | 1 15 | 20 51 | 0 36 | 23 4 | 0 5 | 14 12 | 0 43 | 7 32 | 16 50 | 23 33 | 23 32 | 9 18 | 18 40 | 4 32 |
| T 30 | 22n50 | 12s49 | 4s58 | 24n16 | 1n37 | 21n50 | 1n24 | 13n41 | 1s11 | 11s54 | 1s15 | 20s52 | 0s36 | 23n 4 | 0n 5 | 14n12 | 0n43 | 7s32 | 16s51 | 23n33 | 23n32 | 9s15 | 18n40 | 4s32 |

Julian Day Number = 2125906.5, Delta T = 17m16s
Ecliptic obliquity = 23°33'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'39, Lahiri = 11°25'39 Julian Calendar 1 June 1108 == Greg. Calendar 8 June 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## JULY 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 1 20 | 14♋45'02 | 20♓54 | 17♋37 | 0♌16 | 10♉27 | 2°R12 | 29°R48 | 17♊45 | 24♌15 | 20♈36 | 28°R14 | 27♊24 | 18♓34 | 20♊11 | W 1 |
| T 2 | 19 5 17 | 15°42'17 | 2♈47 | 19°43 | 1°30 | 11° 8 | 2♓ 9 | 29♂44 | 17°48 | 24°17 | 20°36 | 28♊13 | 27°21 | 18°41 | 20°16 | T 2 |
| F 3 | 19 9 13 | 16°39'32 | 14°44 | 21°47 | 2°43 | 11°49 | 2° 5 | 29°40 | 17°51 | 24°18 | 20°36 | 28°D13 | 27°18 | 18°48 | 20°21 | F 3 |
| S 4 | 19 13 10 | 17°36'49 | 26°48 | 23°49 | 3°57 | 12°30 | 2° 2 | 29°35 | 17°54 | 24°20 | 20°37 | 28°13 | 27°14 | 18°54 | 20°26 | S 4 |
| S 5 | 19 17 6 | 18°34'06 | 9♉ 5 | 25°50 | 5°11 | 13°11 | 1°58 | 29°31 | 17°58 | 24°22 | 20°37 | 28°14 | 27°11 | 19° 1 | 20°31 | S 5 |
| M 6 | 19 21 3 | 19°31'25 | 21°38 | 27°50 | 6°24 | 13°51 | 1°54 | 29°27 | 18° 1 | 24°24 | 20°37 | 28°15 | 27° 8 | 19° 8 | 20°37 | M 6 |
| T 7 | 19 25 0 | 20°28'44 | 4♊32 | 29°48 | 7°38 | 14°32 | 1°50 | 29°22 | 18° 4 | 24°26 | 20°37 | 28°17 | 27° 5 | 19°15 | 20°42 | T 7 |
| W 8 | 19 28 56 | 21°26'05 | 17°50 | 1♌45 | 8°51 | 15°12 | 1°46 | 29°18 | 18° 7 | 24°28 | 20°37 | 28°18 | 27° 2 | 19°21 | 20°47 | W 8 |
| T 9 | 19 32 53 | 22°23'26 | 1♋31 | 3°39 | 10° 5 | 15°53 | 1°42 | 29°13 | 18°10 | 24°30 | 20°37 | 28°R18 | 26°59 | 19°28 | 20°52 | T 9 |
| F 10 | 19 36 49 | 23°20'49 | 15°35 | 5°33 | 11°18 | 16°33 | 1°37 | 29° 9 | 18°13 | 24°32 | 20°38 | 28°17 | 26°55 | 19°35 | 20°57 | F 10 |
| S 11 | 19 40 46 | 24°18'12 | 29°58 | 7°24 | 12°32 | 17°13 | 1°33 | 29° 5 | 18°16 | 24°34 | 20°38 | 28°15 | 26°52 | 19°41 | 21° 2 | S 11 |
| S 12 | 19 44 42 | 25°15'37 | 14♌36 | 9°14 | 13°46 | 17°53 | 1°28 | 29° 0 | 18°19 | 24°36 | 20°38 | 28°12 | 26°49 | 19°48 | 21° 7 | S 12 |
| M13 | 19 48 39 | 26°13'01 | 29°21 | 11° 3 | 14°59 | 18°33 | 1°23 | 28°56 | 18°22 | 24°38 | 20°38 | 28° 8 | 26°46 | 19°55 | 21°11 | M13 |
| T 14 | 19 52 35 | 27°10'27 | 14♍ 5 | 12°49 | 16°13 | 19°13 | 1°18 | 28°51 | 18°25 | 24°40 | 20°38 | 28° 4 | 26°43 | 20° 2 | 21°16 | T 14 |
| W15 | 19 56 32 | 28° 7'54 | 28°43 | 14°35 | 17°26 | 19°52 | 1°12 | 28°47 | 18°28 | 24°42 | 20°R38 | 28° 1 | 26°39 | 20° 8 | 21°21 | W15 |
| T 16 | 20 0 29 | 29° 5'21 | 13♎ 8 | 16°18 | 18°40 | 20°32 | 1° 7 | 28°42 | 18°31 | 24°44 | 20°38 | 27°59 | 26°36 | 20°15 | 21°26 | T 16 |
| F 17 | 20 4 25 | 0♏ 2'49 | 27°18 | 18° 0 | 19°53 | 21°11 | 1° 1 | 28°38 | 18°34 | 24°46 | 20°38 | 27°D58 | 26°33 | 20°22 | 21°31 | F 17 |
| S 18 | 20 8 22 | 1° 0'17 | 11♏ 9 | 19°40 | 21° 7 | 21°51 | 0°55 | 28°33 | 18°37 | 24°48 | 20°38 | 27°58 | 26°30 | 20°29 | 21°35 | S 18 |
| S 19 | 20 12 18 | 1°57'47 | 24°44 | 21°19 | 22°20 | 22°30 | 0°50 | 28°29 | 18°40 | 24°50 | 20°38 | 27°59 | 26°27 | 20°35 | 21°40 | S 19 |
| M20 | 20 16 15 | 2°55'17 | 8♐ 1 | 22°56 | 23°34 | 23° 9 | 0°43 | 28°24 | 18°43 | 24°52 | 20°37 | 28° 1 | 26°24 | 20°42 | 21°45 | M20 |
| T 21 | 20 20 11 | 3°52'49 | 21° 4 | 24°31 | 24°48 | 23°48 | 0°37 | 28°20 | 18°46 | 24°54 | 20°37 | 28° 2 | 26°20 | 20°49 | 21°49 | T 21 |
| W22 | 20 24 8 | 4°50'21 | 3♑53 | 26° 5 | 26° 1 | 24°26 | 0°31 | 28°15 | 18°48 | 24°56 | 20°37 | 28°R 2 | 26°17 | 20°55 | 21°54 | W22 |
| T 23 | 20 28 4 | 5°47'55 | 16°30 | 27°38 | 27°14 | 25° 5 | 0°25 | 28°11 | 18°51 | 24°58 | 20°37 | 28° 1 | 26°14 | 21° 2 | 21°58 | T 23 |
| F 24 | 20 32 1 | 6°45'29 | 28°57 | 29° 8 | 28°28 | 25°44 | 0°18 | 28° 7 | 18°54 | 25° 0 | 20°37 | 27°57 | 26°11 | 21° 9 | 22° 3 | F 24 |
| S 25 | 20 35 58 | 7°43'05 | 11♒13 | 0♍37 | 29°41 | 26°22 | 0°11 | 28° 2 | 18°56 | 25° 3 | 20°37 | 27°52 | 26° 8 | 21°16 | 22° 7 | S 25 |
| S 26 | 20 39 54 | 8°40'42 | 23°22 | 2° 5 | 0♍55 | 27° 0 | 0° 5 | 27°58 | 18°59 | 25° 5 | 20°36 | 27°45 | 26° 5 | 21°22 | 22°11 | S 26 |
| M27 | 20 43 51 | 9°38'21 | 5♓23 | 3°31 | 2° 8 | 27°38 | 29♒58 | 27°54 | 19° 2 | 25° 7 | 20°36 | 27°38 | 26° 1 | 21°29 | 22°16 | M27 |
| T 28 | 20 47 47 | 10°36'00 | 17°19 | 4°55 | 3°22 | 28°16 | 29°51 | 27°49 | 19° 4 | 25° 9 | 20°36 | 27°30 | 25°58 | 21°36 | 22°20 | T 28 |
| W29 | 20 51 44 | 11°33'42 | 29°11 | 6°18 | 4°35 | 28°54 | 29°44 | 27°45 | 19° 7 | 25°11 | 20°36 | 27°23 | 25°55 | 21°43 | 22°24 | W29 |
| T 30 | 20 55 40 | 12°31'25 | 11♈ 3 | 7°39 | 5°48 | 29°32 | 29°36 | 27°41 | 19° 9 | 25°13 | 20°35 | 27°17 | 25°52 | 21°49 | 22°28 | T 30 |
| F 31 | 20 59 37 | 13♌29'09 | 22♈58 | 8♍58 | 7♍ 2 | 0♊10 | 29♒29 | 27♂36 | 19♊11 | 25♌16 | 20♈35 | 27♊13 | 25♊49 | 21♓56 | 22♊32 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n44 | 8s24 | 5s13 | 24n 4 | 1n41 | 21n35 | 1n25 | 13n55 | 1s10 | 11s55 | 1s15 | 20s53 | 0s36 | 23n 5 | 0n 5 | 14n11 | 0n43 | 7s32 | 16s51 | 23n33 | 23n32 | 9s13 | 18n40 | 4s32 |
| T 2 | 22 38 | 3 41 | 5 14 | 23 49 | 1 44 | 21 19 | 1 26 | 14 8 | 1 10 | 11 56 | 1 16 | 20 54 | 0 36 | 23 5 | 0 5 | 14 10 | 0 43 | 7 33 | 16 51 | 23 33 | 23 32 | 9 10 | 18 40 | 4 32 |
| F 3 | 22 31 | 1n11 | 5 2 | 23 32 | 1 46 | 21 3 | 1 27 | 14 21 | 1 9 | 11 58 | 1 16 | 20 55 | 0 36 | 23 5 | 0 5 | 14 10 | 0 43 | 7 33 | 16 52 | 23 33 | 23 32 | 9 8 | 18 40 | 4 32 |
| S 4 | 22 23 | 6 4 | 4 37 | 23 13 | 1 48 | 20 47 | 1 28 | 14 34 | 1 9 | 11 59 | 1 16 | 20 56 | 0 36 | 23 5 | 0 5 | 14 9 | 0 43 | 7 33 | 16 52 | 23 33 | 23 32 | 9 5 | 18 40 | 4 33 |
| S 5 | 22 16 | 10 49 | 3 59 | 22 51 | 1 49 | 20 30 | 1 28 | 14 47 | 1 8 | 12 1 | 1 17 | 20 57 | 0 37 | 23 6 | 0 5 | 14 8 | 0 43 | 7 33 | 16 52 | 23 33 | 23 31 | 9 3 | 18 41 | 4 33 |
| M 6 | 22 8 | 15 14 | 3 8 | 22 28 | 1 49 | 20 12 | 1 29 | 15 0 | 1 8 | 12 2 | 1 17 | 20 58 | 0 37 | 23 6 | 0 5 | 14 8 | 0 43 | 7 33 | 16 53 | 23 33 | 23 31 | 9 0 | 18 41 | 4 33 |
| T 7 | 21 59 | 19 4 | 2 7 | 22 3 | 1 48 | 19 53 | 1 29 | 15 13 | 1 7 | 12 4 | 1 17 | 20 59 | 0 37 | 23 6 | 0 5 | 14 7 | 0 43 | 7 34 | 16 53 | 23 33 | 23 31 | 8 58 | 18 41 | 4 33 |
| W 8 | 21 50 | 22 3 | 0 57 | 21 36 | 1 47 | 19 35 | 1 30 | 15 25 | 1 6 | 12 6 | 1 17 | 21 0 | 0 37 | 23 7 | 0 5 | 14 7 | 0 43 | 7 34 | 16 54 | 23 33 | 23 31 | 8 55 | 18 41 | 4 34 |
| T 9 | 21 41 | 23 50 | 0n18 | 21 8 | 1 45 | 19 15 | 1 30 | 15 37 | 1 6 | 12 8 | 1 18 | 21 1 | 0 37 | 23 7 | 0 5 | 14 6 | 0 43 | 7 34 | 16 54 | 23 33 | 23 31 | 8 52 | 18 41 | 4 34 |
| F 10 | 21 32 | 24 11 | 1 33 | 20 38 | 1 43 | 18 55 | 1 31 | 15 49 | 1 5 | 12 10 | 1 18 | 21 2 | 0 37 | 23 7 | 0 5 | 14 5 | 0 43 | 7 35 | 16 54 | 23 33 | 23 31 | 8 50 | 18 41 | 4 34 |
| S 11 | 21 22 | 22 56 | 2 45 | 20 7 | 1 40 | 18 35 | 1 31 | 16 1 | 1 5 | 12 12 | 1 18 | 21 3 | 0 37 | 23 8 | 0 5 | 14 5 | 0 43 | 7 35 | 16 55 | 23 33 | 23 31 | 8 47 | 18 41 | 4 35 |
| S 12 | 21 11 | 20 9 | 3 47 | 19 35 | 1 37 | 18 14 | 1 31 | 16 13 | 1 4 | 12 14 | 1 18 | 21 4 | 0 37 | 23 8 | 0 5 | 14 4 | 0 43 | 7 35 | 16 55 | 23 33 | 23 31 | 8 45 | 18 41 | 4 35 |
| M13 | 21 1 | 16 2 | 4 34 | 19 2 | 1 33 | 17 52 | 1 31 | 16 25 | 1 3 | 12 16 | 1 19 | 21 5 | 0 37 | 23 8 | 0 5 | 14 3 | 0 43 | 7 35 | 16 55 | 23 33 | 23 31 | 8 42 | 18 41 | 4 35 |
| T 14 | 20 50 | 10 57 | 5 3 | 18 28 | 1 29 | 17 30 | 1 31 | 16 37 | 1 3 | 12 18 | 1 19 | 21 6 | 0 37 | 23 8 | 0 5 | 14 3 | 0 43 | 7 36 | 16 56 | 23 32 | 23 31 | 8 40 | 18 41 | 4 35 |
| W15 | 20 38 | 5 17 | 5 12 | 17 53 | 1 24 | 17 8 | 1 31 | 16 48 | 1 2 | 12 20 | 1 19 | 21 7 | 0 37 | 23 9 | 0 6 | 14 2 | 0 43 | 7 36 | 16 56 | 23 32 | 23 31 | 8 37 | 18 41 | 4 36 |
| T 16 | 20 26 | 0s35 | 5 2 | 17 17 | 1 19 | 16 45 | 1 31 | 16 59 | 1 1 | 12 22 | 1 19 | 21 8 | 0 38 | 23 9 | 0 6 | 14 1 | 0 43 | 7 36 | 16 56 | 23 32 | 23 31 | 8 35 | 18 41 | 4 36 |
| F 17 | 20 14 | 6 19 | 4 33 | 16 40 | 1 13 | 16 21 | 1 31 | 17 10 | 1 0 | 12 24 | 1 20 | 21 9 | 0 38 | 23 9 | 0 6 | 14 0 | 0 43 | 7 37 | 16 57 | 23 32 | 23 31 | 8 32 | 18 41 | 4 36 |
| S 18 | 20 2 | 11 38 | 3 48 | 16 3 | 1 7 | 15 57 | 1 31 | 17 21 | 1 0 | 12 27 | 1 20 | 21 10 | 0 38 | 23 9 | 0 6 | 14 0 | 0 43 | 7 37 | 16 57 | 23 32 | 23 31 | 8 29 | 18 41 | 4 37 |
| S 19 | 19 49 | 16 16 | 2 52 | 15 26 | 1 1 | 15 33 | 1 30 | 17 32 | 0 59 | 12 29 | 1 20 | 21 11 | 0 38 | 23 10 | 0 6 | 13 59 | 0 43 | 7 37 | 16 57 | 23 32 | 23 30 | 8 27 | 18 41 | 4 37 |
| M20 | 19 36 | 19 59 | 1 47 | 14 48 | 0 54 | 15 9 | 1 30 | 17 42 | 0 58 | 12 31 | 1 20 | 21 12 | 0 38 | 23 10 | 0 6 | 13 58 | 0 43 | 7 38 | 16 58 | 23 32 | 23 30 | 8 24 | 18 41 | 4 37 |
| T 21 | 19 23 | 22 37 | 0 38 | 14 9 | 0 47 | 14 44 | 1 29 | 17 53 | 0 58 | 12 34 | 1 21 | 21 13 | 0 38 | 23 10 | 0 6 | 13 58 | 0 43 | 7 38 | 16 58 | 23 32 | 23 30 | 8 22 | 18 41 | 4 38 |
| W22 | 19 9 | 24 2 | 0s32 | 13 31 | 0 40 | 14 18 | 1 29 | 18 3 | 0 57 | 12 36 | 1 21 | 21 14 | 0 38 | 23 10 | 0 6 | 13 57 | 0 43 | 7 38 | 16 58 | 23 32 | 23 30 | 8 19 | 18 41 | 4 38 |
| T 23 | 18 55 | 24 10 | 1 39 | 12 52 | 0 32 | 13 52 | 1 28 | 18 13 | 0 56 | 12 39 | 1 21 | 21 15 | 0 38 | 23 11 | 0 6 | 13 56 | 0 43 | 7 39 | 16 59 | 23 32 | 23 30 | 8 16 | 18 41 | 4 38 |
| F 24 | 18 40 | 23 5 | 2 40 | 12 13 | 0 25 | 13 26 | 1 28 | 18 23 | 0 55 | 12 41 | 1 21 | 21 16 | 0 38 | 23 11 | 0 6 | 13 56 | 0 43 | 7 39 | 16 59 | 23 32 | 23 30 | 8 14 | 18 41 | 4 39 |
| S 25 | 18 26 | 20 54 | 3 33 | 11 34 | 0 17 | 13 0 | 1 27 | 18 33 | 0 55 | 12 44 | 1 21 | 21 17 | 0 38 | 23 11 | 0 6 | 13 55 | 0 43 | 7 39 | 16 59 | 23 32 | 23 30 | 8 11 | 18 41 | 4 39 |
| S 26 | 18 11 | 17 48 | 4 15 | 10 55 | 0 8 | 12 33 | 1 26 | 18 43 | 0 54 | 12 46 | 1 22 | 21 18 | 0 38 | 23 11 | 0 6 | 13 54 | 0 43 | 7 40 | 16 59 | 23 32 | 23 30 | 8 9 | 18 41 | 4 39 |
| M27 | 17 55 | 14 0 | 4 45 | 10 16 | 0s 0 | 12 5 | 1 25 | 18 52 | 0 53 | 12 49 | 1 22 | 21 19 | 0 38 | 23 12 | 0 6 | 13 53 | 0 43 | 7 40 | 17 0 | 23 32 | 23 30 | 8 6 | 18 41 | 4 40 |
| T 28 | 17 40 | 9 41 | 5 3 | 9 37 | 0 9 | 11 38 | 1 24 | 19 1 | 0 52 | 12 52 | 1 22 | 21 20 | 0 39 | 23 12 | 0 6 | 13 53 | 0 43 | 7 41 | 17 0 | 23 32 | 23 30 | 8 3 | 18 40 | 4 40 |
| W29 | 17 24 | 5 2 | 5 8 | 8 58 | 0 18 | 11 10 | 1 23 | 19 11 | 0 51 | 12 54 | 1 22 | 21 21 | 0 39 | 23 12 | 0 6 | 13 52 | 0 43 | 7 41 | 17 0 | 23 32 | 23 30 | 8 1 | 18 40 | 4 40 |
| T 30 | 17 8 | 0 12 | 4 59 | 8 20 | 0 27 | 10 42 | 1 22 | 19 20 | 0 50 | 12 57 | 1 22 | 21 21 | 0 39 | 23 12 | 0 6 | 13 51 | 0 43 | 7 41 | 17 1 | 23 32 | 23 29 | 7 58 | 18 40 | 4 41 |
| F 31 | 16n51 | 4n40 | 4s38 | 7n42 | 0s36 | 10n14 | 1n21 | 19n28 | 0s50 | 13s 0 | 1s23 | 21s22 | 0s39 | 23n12 | 0n 6 | 13n50 | 0n43 | 7s42 | 17s 1 | 23n32 | 23n29 | 7s56 | 18n40 | 4s41 |

Julian Day Number = 2125936.5, Delta T = 17m16s
Ecliptic obliquity = 23°33'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'43, Lahiri = 11°25'43 Julian Calendar 1 July 1108 == Greg. Calendar 8 July 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## AUGUST 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 3 33 | 14♌26'55 | 5♉ 0 | 10♍15 | 8♍15 | 0♊47 | 29°R22 | 27°R32 | 19♊14 | 25♌18 | 20°R35 | 27°R10 | 25♊45 | 22♓ 3 | 22♊37 | S 1 |
| S 2 | 21 7 30 | 15°24'43 | 17°14 | 11°31 | 9°29 | 1°24 | 29♒14 | 27♑28 | 19°16 | 25°20 | 20♈34 | 27°D10 | 25°42 | 22° 9 | 22°41 | S 2 |
| M 3 | 21 11 27 | 16°22'33 | 29°44 | 12°44 | 10°42 | 2° 1 | 29° 7 | 27°24 | 19°19 | 25°22 | 20°34 | 27♊11 | 25°39 | 22°16 | 22°45 | M 3 |
| T 4 | 21 15 23 | 17°20'25 | 12♊35 | 13°56 | 11°55 | 2°38 | 28°59 | 27°20 | 19°21 | 25°24 | 20°33 | 27°12 | 25°36 | 22°23 | 22°48 | T 4 |
| W 5 | 21 19 20 | 18°18'19 | 25°52 | 15° 5 | 13° 9 | 3°15 | 28°52 | 27°16 | 19°23 | 25°27 | 20°33 | 27°R12 | 25°33 | 22°30 | 22°52 | W 5 |
| T 6 | 21 23 16 | 19°16'14 | 9♋35 | 16°13 | 14°22 | 3°52 | 28°44 | 27°12 | 19°25 | 25°29 | 20°33 | 27°12 | 25°30 | 22°36 | 22°56 | T 6 |
| F 7 | 21 27 13 | 20°14'11 | 23°47 | 17°18 | 15°35 | 4°28 | 28°36 | 27° 8 | 19°27 | 25°31 | 20°32 | 27° 9 | 25°26 | 22°43 | 23° 0 | F 7 |
| S 8 | 21 31 9 | 21°12'10 | 8♌24 | 18°21 | 16°49 | 5° 5 | 28°28 | 27° 4 | 19°30 | 25°33 | 20°32 | 27° 4 | 25°23 | 22°50 | 23° 4 | S 8 |
| S 9 | 21 35 6 | 22°10'11 | 23°20 | 19°21 | 18° 2 | 5°41 | 28°21 | 27° 0 | 19°32 | 25°35 | 20°31 | 26°57 | 25°20 | 22°56 | 23° 7 | S 9 |
| M10 | 21 39 2 | 23° 8'13 | 8♍28 | 20°19 | 19°15 | 6°17 | 28°13 | 26°56 | 19°34 | 25°38 | 20°31 | 26°49 | 25°17 | 23° 3 | 23°11 | M10 |
| T 11 | 21 42 59 | 24° 6'16 | 23°35 | 21°14 | 20°28 | 6°53 | 28° 5 | 26°53 | 19°36 | 25°40 | 20°30 | 26°40 | 25°14 | 23°10 | 23°14 | T 11 |
| W12 | 21 46 56 | 25° 4'21 | 8♎34 | 22° 6 | 21°42 | 7°28 | 27°57 | 26°49 | 19°38 | 25°42 | 20°30 | 26°33 | 25°10 | 23°17 | 23°18 | W12 |
| T 13 | 21 50 52 | 26° 2'28 | 23°15 | 22°55 | 22°55 | 8° 4 | 27°49 | 26°45 | 19°39 | 25°44 | 20°29 | 26°27 | 25° 7 | 23°23 | 23°21 | T 13 |
| F 14 | 21 54 49 | 27° 0'36 | 7♏34 | 23°41 | 24° 8 | 8°39 | 27°41 | 26°42 | 19°41 | 25°47 | 20°28 | 26°23 | 25° 4 | 23°30 | 23°25 | F 14 |
| S 15 | 21 58 45 | 27°58'46 | 21°28 | 24°23 | 25°21 | 9°14 | 27°33 | 26°38 | 19°43 | 25°49 | 20°28 | 26°21 | 25° 1 | 23°37 | 23°28 | S 15 |
| S 16 | 22 2 42 | 28°56'57 | 4♐58 | 25° 1 | 26°35 | 9°49 | 27°25 | 26°35 | 19°45 | 25°51 | 20°27 | 26°D21 | 24°58 | 23°44 | 23°31 | S 16 |
| M17 | 22 6 38 | 29°55'10 | 18° 6 | 25°35 | 27°48 | 10°24 | 27°17 | 26°32 | 19°47 | 25°53 | 20°26 | 26°22 | 24°55 | 23°50 | 23°34 | M17 |
| T 18 | 22 10 35 | 0♍53'24 | 0♑56 | 26° 5 | 29° 1 | 10°58 | 27° 9 | 26°28 | 19°48 | 25°56 | 20°26 | 26°R22 | 24°51 | 23°57 | 23°37 | T 18 |
| W19 | 22 14 31 | 1°51'40 | 13°30 | 26°30 | 0♎14 | 11°33 | 27° 1 | 26°25 | 19°50 | 25°58 | 20°25 | 26°21 | 24°48 | 24° 4 | 23°40 | W19 |
| T 20 | 22 18 28 | 2°49'57 | 25°52 | 26°50 | 1°27 | 12° 7 | 26°53 | 26°22 | 19°52 | 26° 0 | 20°24 | 26°17 | 24°45 | 24°10 | 23°43 | T 20 |
| F 21 | 22 22 25 | 3°48'16 | 8♒ 5 | 27° 5 | 2°40 | 12°41 | 26°46 | 26°19 | 19°53 | 26° 2 | 20°24 | 26°11 | 24°42 | 24°17 | 23°46 | F 21 |
| S 22 | 22 26 21 | 4°46'37 | 20°10 | 27°15 | 3°53 | 13°15 | 26°38 | 26°16 | 19°55 | 26° 4 | 20°23 | 26° 1 | 24°39 | 24°24 | 23°49 | S 22 |
| S 23 | 22 30 18 | 5°44'59 | 2♓10 | 27°R18 | 5° 6 | 13°48 | 26°30 | 26°13 | 19°56 | 26° 7 | 20°22 | 25°50 | 24°36 | 24°31 | 23°52 | S 23 |
| M24 | 22 34 14 | 6°43'24 | 14° 6 | 27°16 | 6°19 | 14°22 | 26°22 | 26°10 | 19°57 | 26° 9 | 20°21 | 25°37 | 24°32 | 24°37 | 23°55 | M24 |
| T 25 | 22 38 11 | 7°41'50 | 25°59 | 27° 7 | 7°32 | 14°55 | 26°15 | 26° 7 | 19°59 | 26°11 | 20°21 | 25°24 | 24°29 | 24°44 | 23°57 | T 25 |
| W26 | 22 42 7 | 8°40'19 | 7♈51 | 26°51 | 8°45 | 15°28 | 26° 7 | 26° 5 | 20° 0 | 26°13 | 20°20 | 25°11 | 24°26 | 24°51 | 24° 0 | W26 |
| T 27 | 22 46 4 | 9°38'49 | 19°44 | 26°28 | 9°58 | 16° 1 | 26° 0 | 26° 2 | 20° 1 | 26°15 | 20°19 | 25° 1 | 24°23 | 24°58 | 24° 2 | T 27 |
| F 28 | 22 50 0 | 10°37'21 | 1♉39 | 25°58 | 11°11 | 16°33 | 25°52 | 25°59 | 20° 2 | 26°18 | 20°18 | 24°52 | 24°20 | 25° 4 | 24° 5 | F 28 |
| S 29 | 22 53 57 | 11°35'56 | 13°41 | 25°22 | 12°24 | 17° 5 | 25°45 | 25°57 | 20° 4 | 26°20 | 20°17 | 24°47 | 24°16 | 25°11 | 24° 7 | S 29 |
| S 30 | 22 57 54 | 12°34'33 | 25°53 | 24°39 | 13°37 | 17°37 | 25°38 | 25°55 | 20° 5 | 26°22 | 20°17 | 24°44 | 24°13 | 25°18 | 24° 9 | S 30 |
| M31 | 23 1 50 | 13♍33'12 | 8♊20 | 23♍50 | 14♎50 | 18♊ 9 | 25♒30 | 25♑52 | 20♊ 6 | 26♌24 | 20♈16 | 24♊43 | 24♊10 | 25♓24 | 24♊11 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n35 | 9n25 | 4s 4 | 7n 4 | 0s45 | 9n45 | 1n20 | 19n37 | 0s49 | 13s 3 | 1s23 | 21s23 | 0s39 | 23n13 | 0n 6 | 13n50 | 0n43 | 7s42 | 17s 1 | 23n31 | 23n29 | 7s53 | 18n40 | 4s41 |
| S 2 | 16 18 | 13 53 | 3 18 | 6 27 | 0 54 | 9 16 | 1 19 | 19 46 | 0 48 | 13 5 | 1 23 | 21 24 | 0 39 | 23 13 | 0 6 | 13 49 | 0 43 | 7 43 | 17 2 | 23 31 | 23 29 | 7 50 | 18 40 | 4 42 |
| M 3 | 16 0 | 17 52 | 2 22 | 5 50 | 1 4 | 8 47 | 1 17 | 19 54 | 0 47 | 13 8 | 1 23 | 21 25 | 0 39 | 23 13 | 0 6 | 13 48 | 0 43 | 7 43 | 17 2 | 23 31 | 23 29 | 7 48 | 18 40 | 4 42 |
| T 4 | 15 43 | 21 8 | 1 18 | 5 13 | 1 14 | 8 17 | 1 16 | 20 2 | 0 46 | 13 11 | 1 23 | 21 26 | 0 39 | 23 13 | 0 6 | 13 48 | 0 43 | 7 44 | 17 2 | 23 32 | 23 29 | 7 45 | 18 39 | 4 43 |
| W 5 | 15 25 | 23 22 | 0 7 | 4 37 | 1 23 | 7 48 | 1 14 | 20 10 | 0 45 | 13 14 | 1 23 | 21 27 | 0 39 | 23 13 | 0 6 | 13 47 | 0 43 | 7 44 | 17 3 | 23 32 | 23 29 | 7 42 | 18 39 | 4 43 |
| T 6 | 15 7 | 24 18 | 1n 6 | 4 2 | 1 33 | 7 18 | 1 13 | 20 18 | 0 44 | 13 17 | 1 24 | 21 28 | 0 39 | 23 14 | 0 6 | 13 46 | 0 43 | 7 44 | 17 3 | 23 32 | 23 29 | 7 40 | 18 39 | 4 43 |
| F 7 | 14 49 | 23 42 | 2 18 | 3 28 | 1 43 | 6 48 | 1 11 | 20 26 | 0 43 | 13 19 | 1 24 | 21 28 | 0 39 | 23 14 | 0 6 | 13 45 | 0 43 | 7 45 | 17 3 | 23 31 | 23 29 | 7 37 | 18 39 | 4 44 |
| S 8 | 14 30 | 21 30 | 3 22 | 2 54 | 1 52 | 6 18 | 1 9 | 20 33 | 0 42 | 13 22 | 1 24 | 21 29 | 0 39 | 23 14 | 0 6 | 13 45 | 0 43 | 7 45 | 17 4 | 23 31 | 23 28 | 7 34 | 18 39 | 4 44 |
| S 9 | 14 11 | 17 48 | 4 14 | 2 22 | 2 2 | 5 48 | 1 8 | 20 41 | 0 42 | 13 25 | 1 24 | 21 30 | 0 39 | 23 14 | 0 6 | 13 44 | 0 43 | 7 46 | 17 4 | 23 31 | 23 28 | 7 32 | 18 38 | 4 45 |
| M10 | 13 52 | 12 54 | 4 49 | 1 50 | 2 12 | 5 17 | 1 6 | 20 48 | 0 41 | 13 28 | 1 24 | 21 31 | 0 39 | 23 14 | 0 6 | 13 43 | 0 43 | 7 46 | 17 4 | 23 31 | 23 28 | 7 29 | 18 38 | 4 45 |
| T 11 | 13 33 | 7 12 | 5 4 | 1 20 | 2 21 | 4 46 | 1 4 | 20 55 | 0 40 | 13 31 | 1 24 | 21 32 | 0 39 | 23 15 | 0 6 | 13 42 | 0 43 | 7 47 | 17 4 | 23 31 | 23 28 | 7 27 | 18 38 | 4 45 |
| W12 | 13 14 | 1 9 | 4 58 | 0 50 | 2 31 | 4 16 | 1 2 | 21 2 | 0 39 | 13 34 | 1 24 | 21 32 | 0 39 | 23 15 | 0 6 | 13 42 | 0 43 | 7 47 | 17 5 | 23 31 | 23 28 | 7 24 | 18 38 | 4 46 |
| T 13 | 12 54 | 4s52 | 4 32 | 0 22 | 2 40 | 3 45 | 1 0 | 21 8 | 0 38 | 13 37 | 1 24 | 21 33 | 0 40 | 23 15 | 0 6 | 13 41 | 0 43 | 7 48 | 17 5 | 23 30 | 23 28 | 7 21 | 18 37 | 4 46 |
| F 14 | 12 34 | 10 29 | 3 50 | 0s 4 | 2 49 | 3 14 | 0 58 | 21 15 | 0 37 | 13 39 | 1 25 | 21 34 | 0 40 | 23 15 | 0 6 | 13 40 | 0 43 | 7 48 | 17 5 | 23 30 | 23 28 | 7 19 | 18 37 | 4 47 |
| S 15 | 12 14 | 15 24 | 2 55 | 0 29 | 2 58 | 2 43 | 0 56 | 21 21 | 0 36 | 13 42 | 1 25 | 21 35 | 0 40 | 23 15 | 0 6 | 13 39 | 0 43 | 7 49 | 17 6 | 23 30 | 23 28 | 7 16 | 18 37 | 4 47 |
| S 16 | 11 54 | 19 24 | 1 52 | 0 52 | 3 7 | 2 11 | 0 54 | 21 28 | 0 35 | 13 45 | 1 25 | 21 35 | 0 40 | 23 15 | 0 6 | 13 39 | 0 43 | 7 49 | 17 6 | 23 30 | 23 28 | 7 13 | 18 37 | 4 47 |
| M17 | 11 33 | 22 17 | 0 44 | 1 14 | 3 16 | 1 40 | 0 52 | 21 34 | 0 34 | 13 48 | 1 25 | 21 36 | 0 40 | 23 15 | 0 6 | 13 38 | 0 43 | 7 50 | 17 6 | 23 30 | 23 27 | 7 11 | 18 36 | 4 48 |
| T 18 | 11 13 | 23 57 | 0s24 | 1 33 | 3 24 | 1 9 | 0 49 | 21 40 | 0 32 | 13 51 | 1 25 | 21 37 | 0 40 | 23 16 | 0 6 | 13 37 | 0 43 | 7 50 | 17 6 | 23 30 | 23 27 | 7 8 | 18 36 | 4 48 |
| W19 | 10 52 | 24 21 | 1 30 | 1 50 | 3 31 | 0 37 | 0 47 | 21 45 | 0 31 | 13 53 | 1 25 | 21 37 | 0 40 | 23 16 | 0 6 | 13 36 | 0 43 | 7 50 | 17 7 | 23 30 | 23 27 | 7 5 | 18 36 | 4 49 |
| T 20 | 10 31 | 23 32 | 2 30 | 2 5 | 3 39 | 0 6 | 0 44 | 21 51 | 0 30 | 13 56 | 1 25 | 21 38 | 0 40 | 23 16 | 0 6 | 13 36 | 0 43 | 7 51 | 17 7 | 23 30 | 23 27 | 7 3 | 18 35 | 4 49 |
| F 21 | 10 10 | 21 35 | 3 22 | 2 17 | 3 45 | 0s25 | 0 42 | 21 57 | 0 29 | 13 59 | 1 25 | 21 39 | 0 40 | 23 16 | 0 6 | 13 35 | 0 43 | 7 51 | 17 7 | 23 30 | 23 27 | 7 0 | 18 35 | 4 50 |
| S 22 | 9 48 | 18 42 | 4 5 | 2 26 | 3 51 | 0 57 | 0 40 | 22 2 | 0 28 | 14 2 | 1 25 | 21 39 | 0 40 | 23 16 | 0 6 | 13 34 | 0 43 | 7 52 | 17 7 | 23 30 | 23 27 | 6 57 | 18 35 | 4 50 |
| S 23 | 9 27 | 15 2 | 4 36 | 2 32 | 3 56 | 1 28 | 0 37 | 22 7 | 0 27 | 14 4 | 1 25 | 21 40 | 0 40 | 23 16 | 0 6 | 13 33 | 0 43 | 7 52 | 17 8 | 23 29 | 23 27 | 6 55 | 18 34 | 4 51 |
| M24 | 9 5 | 10 49 | 4 55 | 2 34 | 4 0 | 2 0 | 0 34 | 22 12 | 0 26 | 14 7 | 1 25 | 21 40 | 0 40 | 23 16 | 0 6 | 13 33 | 0 43 | 7 53 | 17 8 | 23 29 | 23 27 | 6 52 | 18 34 | 4 51 |
| T 25 | 8 43 | 6 12 | 5 1 | 2 34 | 4 3 | 2 31 | 0 32 | 22 17 | 0 25 | 14 10 | 1 25 | 21 41 | 0 40 | 23 17 | 0 6 | 13 32 | 0 43 | 7 53 | 17 8 | 23 28 | 23 26 | 6 49 | 18 34 | 4 52 |
| W26 | 8 21 | 1 22 | 4 54 | 2 29 | 4 5 | 3 2 | 0 29 | 22 22 | 0 24 | 14 12 | 1 25 | 21 42 | 0 40 | 23 17 | 0 6 | 13 31 | 0 43 | 7 54 | 17 8 | 23 28 | 23 26 | 6 46 | 18 33 | 4 52 |
| T 27 | 7 59 | 3n32 | 4 34 | 2 21 | 4 6 | 3 34 | 0 26 | 22 27 | 0 22 | 14 15 | 1 25 | 21 42 | 0 40 | 23 17 | 0 6 | 13 30 | 0 43 | 7 54 | 17 8 | 23 28 | 23 26 | 6 44 | 18 33 | 4 52 |
| F 28 | 7 37 | 8 20 | 4 2 | 2 8 | 4 5 | 4 5 | 0 24 | 22 31 | 0 21 | 14 17 | 1 25 | 21 43 | 0 40 | 23 17 | 0 6 | 13 30 | 0 44 | 7 55 | 17 9 | 23 27 | 23 26 | 6 41 | 18 33 | 4 53 |
| S 29 | 7 15 | 12 52 | 3 19 | 1 51 | 4 2 | 4 36 | 0 21 | 22 36 | 0 20 | 14 20 | 1 25 | 21 43 | 0 40 | 23 17 | 0 6 | 13 29 | 0 44 | 7 55 | 17 9 | 23 27 | 23 26 | 6 38 | 18 32 | 4 53 |
| S 30 | 6 52 | 16 57 | 2 26 | 1 31 | 3 58 | 5 7 | 0 18 | 22 40 | 0 19 | 14 22 | 1 25 | 21 44 | 0 40 | 23 17 | 0 6 | 13 28 | 0 44 | 7 56 | 17 9 | 23 27 | 23 26 | 6 36 | 18 32 | 4 54 |
| M31 | 6n30 | 20n24 | 1s26 | 1s 5 | 3s52 | 5s38 | 0n15 | 22n44 | 0s18 | 14s25 | 1s25 | 21s44 | 0s40 | 23n17 | 0n 6 | 13n28 | 0n44 | 7s56 | 17s 9 | 23n27 | 23n26 | 6s33 | 18n31 | 4s54 |

Julian Day Number = 2125967.5, Delta T = 17m15s
Ecliptic obliquity = 23°33'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'47, Lahiri = 11°25'47 Julian Calendar 1 Aug. 1108 == Greg. Calendar 8 Aug. 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## SEPTEMBER 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 5 47 | 14♍31'54 | 21♊ 6 | 22°R55 | 16♎ 2 | 18♊41 | 25°R23 | 25°R50 | 20♊ 7 | 26♌26 | 20°R15 | 24°R43 | 24♊ 7 | 25♓31 | 24♊14 | T 1 |
| W 2 | 23 9 43 | 15°30'38 | 4♋16 | 21♍56 | 17°15 | 19°12 | 25♒16 | 25♉48 | 20° 8 | 26°28 | 20♈14 | 24♊42 | 24° 4 | 25°38 | 24°16 | W 2 |
| T 3 | 23 13 40 | 16°29'24 | 17°54 | 20°53 | 18°28 | 19°43 | 25° 9 | 25°46 | 20° 9 | 26°30 | 20°13 | 24°41 | 24° 1 | 25°45 | 24°18 | T 3 |
| F 4 | 23 17 36 | 17°28'13 | 2♌ 1 | 19°48 | 19°41 | 20°14 | 25° 3 | 25°44 | 20° 9 | 26°33 | 20°12 | 24°37 | 23°57 | 25°51 | 24°19 | F 4 |
| S 5 | 23 21 33 | 18°27'03 | 16°37 | 18°41 | 20°54 | 20°45 | 24°56 | 25°42 | 20°10 | 26°35 | 20°11 | 24°31 | 23°54 | 25°58 | 24°21 | S 5 |
| S 6 | 23 25 29 | 19°25'56 | 1♍36 | 17°36 | 22° 6 | 21°15 | 24°49 | 25°40 | 20°11 | 26°37 | 20°10 | 24°22 | 23°51 | 26° 5 | 24°23 | S 6 |
| M 7 | 23 29 26 | 20°24'51 | 16°52 | 16°34 | 23°19 | 21°45 | 24°43 | 25°39 | 20°12 | 26°39 | 20° 9 | 24°11 | 23°48 | 26°11 | 24°25 | M 7 |
| T 8 | 23 33 23 | 21°23'48 | 2♎12 | 15°35 | 24°32 | 22°15 | 24°37 | 25°37 | 20°12 | 26°41 | 20° 8 | 23°59 | 23°45 | 26°18 | 24°26 | T 8 |
| W 9 | 23 37 19 | 22°22'47 | 17°26 | 14°43 | 25°44 | 22°44 | 24°30 | 25°36 | 20°13 | 26°43 | 20° 7 | 23°49 | 23°42 | 26°25 | 24°28 | W 9 |
| T 10 | 23 41 16 | 23°21'48 | 2♏23 | 13°57 | 26°57 | 23°14 | 24°24 | 25°34 | 20°13 | 26°45 | 20° 6 | 23°41 | 23°38 | 26°32 | 24°29 | T 10 |
| F 11 | 23 45 12 | 24°20'51 | 16°54 | 13°20 | 28°10 | 23°43 | 24°18 | 25°33 | 20°14 | 26°47 | 20° 5 | 23°35 | 23°35 | 26°38 | 24°31 | F 11 |
| S 12 | 23 49 9 | 25°19'56 | 0♐58 | 12°52 | 29°22 | 24°11 | 24°13 | 25°32 | 20°14 | 26°49 | 20° 4 | 23°32 | 23°32 | 26°45 | 24°32 | S 12 |
| S 13 | 23 53 5 | 26°19'02 | 14°33 | 12°35 | 0♏35 | 24°39 | 24° 7 | 25°31 | 20°15 | 26°51 | 20° 3 | 23°30 | 23°29 | 26°52 | 24°33 | S 13 |
| M14 | 23 57 2 | 27°18'11 | 27°42 | 12°D28 | 1°47 | 25° 7 | 24° 2 | 25°30 | 20°15 | 26°53 | 20° 2 | 23°30 | 23°26 | 26°59 | 24°34 | M14 |
| T 15 | 0 0 58 | 28°17'21 | 10♑28 | 12°31 | 3° 0 | 25°35 | 23°56 | 25°29 | 20°15 | 26°55 | 20° 1 | 23°30 | 23°22 | 27° 5 | 24°35 | T 15 |
| W16 | 0 4 55 | 29°16'33 | 22°55 | 12°45 | 4°12 | 26° 2 | 23°51 | 25°28 | 20°15 | 26°57 | 20° 0 | 23°28 | 23°19 | 27°12 | 24°36 | W16 |
| T 17 | 0 8 51 | 0♎15'47 | 5♒10 | 13° 9 | 5°25 | 26°30 | 23°46 | 25°28 | 20°16 | 26°59 | 19°59 | 23°24 | 23°16 | 27°19 | 24°37 | T 17 |
| F 18 | 0 12 48 | 1°15'02 | 17°14 | 13°42 | 6°37 | 26°56 | 23°42 | 25°27 | 20°16 | 27° 1 | 19°58 | 23°17 | 23°13 | 27°25 | 24°38 | F 18 |
| S 19 | 0 16 45 | 2°14'20 | 29°12 | 14°25 | 7°49 | 27°23 | 23°37 | 25°26 | 20°R16 | 27° 3 | 19°57 | 23° 8 | 23°10 | 27°32 | 24°39 | S 19 |
| S 20 | 0 20 41 | 3°13'39 | 11♓ 7 | 15°16 | 9° 2 | 27°49 | 23°33 | 25°26 | 20°16 | 27° 5 | 19°56 | 22°55 | 23° 7 | 27°39 | 24°39 | S 20 |
| M21 | 0 24 38 | 4°13'00 | 22°59 | 16°15 | 10°14 | 28°14 | 23°28 | 25°26 | 20°16 | 27° 6 | 19°55 | 22°42 | 23° 3 | 27°46 | 24°40 | M21 |
| T 22 | 0 28 34 | 5°12'24 | 4♈52 | 17°20 | 11°26 | 28°40 | 23°24 | 25°26 | 20°16 | 27° 8 | 19°54 | 22°27 | 23° 0 | 27°52 | 24°40 | T 22 |
| W23 | 0 32 31 | 6°11'49 | 16°46 | 18°32 | 12°38 | 29° 5 | 23°20 | 25°D25 | 20°15 | 27°10 | 19°53 | 22°14 | 22°57 | 27°59 | 24°41 | W23 |
| T 24 | 0 36 27 | 7°11'17 | 28°43 | 19°49 | 13°50 | 29°29 | 23°17 | 25°25 | 20°15 | 27°12 | 19°52 | 22° 2 | 22°54 | 28° 6 | 24°41 | T 24 |
| F 25 | 0 40 24 | 8°10'47 | 10♉44 | 21°10 | 15° 3 | 29°54 | 23°13 | 25°26 | 20°15 | 27°14 | 19°50 | 21°53 | 22°51 | 28°12 | 24°41 | F 25 |
| S 26 | 0 44 20 | 9°10'19 | 22°51 | 22°36 | 16°15 | 0♋17 | 23°10 | 25°26 | 20°15 | 27°16 | 19°49 | 21°47 | 22°47 | 28°19 | 24°41 | S 26 |
| S 27 | 0 48 17 | 10° 9'53 | 5♊ 8 | 24° 5 | 17°27 | 0°41 | 23° 6 | 25°26 | 20°14 | 27°17 | 19°48 | 21°43 | 22°44 | 28°26 | 24°R41 | S 27 |
| M28 | 0 52 14 | 11° 9'30 | 17°36 | 25°37 | 18°39 | 1° 4 | 23° 3 | 25°27 | 20°14 | 27°19 | 19°47 | 21°D42 | 22°41 | 28°33 | 24°41 | M28 |
| T 29 | 0 56 10 | 12° 9'09 | 0♋22 | 27°11 | 19°51 | 1°26 | 23° 1 | 25°27 | 20°13 | 27°21 | 19°46 | 21°42 | 22°38 | 28°39 | 24°41 | T 29 |
| W30 | 1 0 7 | 13♎ 8'50 | 13♋27 | 28♍46 | 21♏ 3 | 1♋49 | 22♒58 | 25♉28 | 20♊13 | 27♌22 | 19♈45 | 21°R42 | 22♊35 | 28♓46 | 24♊41 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n 7 | 22n56 | 0s19 | 0s37 | 3s44 | 6s 9 | 0n12 | 22n48 | 0s16 | 14s27 | 1s25 | 21s44 | 0s40 | 23n17 | 0n 6 | 13n27 | 0n44 | 7s57 | 17s10 | 23n27 | 23n25 | 6s30 | 18n31 | 4s55 |
| W 2 | 5 44 | 24 19 | 0n50 | 0 4 | 3 34 | 6 40 | 0 9 | 22 52 | 0 15 | 14 30 | 1 25 | 21 45 | 0 40 | 23 17 | 0 6 | 13 26 | 0 44 | 7 57 | 17 10 | 23 27 | 23 25 | 6 28 | 18 31 | 4 55 |
| T 3 | 5 21 | 24 19 | 1 59 | 0n32 | 3 23 | 7 11 | 0 6 | 22 56 | 0 14 | 14 32 | 1 25 | 21 45 | 0 40 | 23 17 | 0 6 | 13 25 | 0 44 | 7 58 | 17 10 | 23 27 | 23 25 | 6 25 | 18 30 | 4 56 |
| F 4 | 4 58 | 22 47 | 3 3 | 1 10 | 3 9 | 7 41 | 0 3 | 22 59 | 0 12 | 14 34 | 1 25 | 21 46 | 0 40 | 23 17 | 0 6 | 13 25 | 0 44 | 7 58 | 17 10 | 23 27 | 23 25 | 6 22 | 18 30 | 4 56 |
| S 5 | 4 35 | 19 42 | 3 58 | 1 50 | 2 53 | 8 11 | 0 0 | 23 3 | 0 11 | 14 36 | 1 25 | 21 46 | 0 40 | 23 18 | 0 6 | 13 24 | 0 44 | 7 59 | 17 10 | 23 26 | 23 25 | 6 19 | 18 29 | 4 57 |
| S 6 | 4 12 | 15 16 | 4 37 | 2 31 | 2 36 | 8 42 | 0s 3 | 23 6 | 0 10 | 14 39 | 1 25 | 21 46 | 0 40 | 23 18 | 0 6 | 13 23 | 0 44 | 7 59 | 17 10 | 23 26 | 23 25 | 6 17 | 18 29 | 4 57 |
| M 7 | 3 49 | 9 46 | 4 58 | 3 13 | 2 18 | 9 12 | 0 6 | 23 9 | 0 8 | 14 41 | 1 25 | 21 47 | 0 40 | 23 18 | 0 6 | 13 23 | 0 44 | 8 0 | 17 11 | 23 26 | 23 25 | 6 14 | 18 29 | 4 58 |
| T 8 | 3 26 | 3 39 | 4 57 | 3 53 | 1 59 | 9 42 | 0 9 | 23 13 | 0 7 | 14 43 | 1 25 | 21 47 | 0 40 | 23 18 | 0 6 | 13 22 | 0 44 | 8 0 | 17 11 | 23 25 | 23 24 | 6 11 | 18 28 | 4 58 |
| W 9 | 3 2 | 2s38 | 4 35 | 4 32 | 1 39 | 10 11 | 0 12 | 23 16 | 0 6 | 14 45 | 1 25 | 21 47 | 0 40 | 23 18 | 0 6 | 13 21 | 0 44 | 8 1 | 17 11 | 23 25 | 23 24 | 6 9 | 18 28 | 4 59 |
| T 10 | 2 39 | 8 41 | 3 55 | 5 8 | 1 19 | 10 41 | 0 16 | 23 19 | 0 4 | 14 47 | 1 25 | 21 48 | 0 41 | 23 18 | 0 6 | 13 21 | 0 44 | 8 1 | 17 11 | 23 24 | 23 24 | 6 6 | 18 27 | 4 59 |
| F 11 | 2 15 | 14 5 | 3 0 | 5 41 | 0 59 | 11 10 | 0 19 | 23 21 | 0 3 | 14 49 | 1 24 | 21 48 | 0 41 | 23 18 | 0 6 | 13 20 | 0 44 | 8 2 | 17 11 | 23 24 | 23 24 | 6 3 | 18 27 | 5 0 |
| S 12 | 1 52 | 18 34 | 1 56 | 6 10 | 0 39 | 11 39 | 0 22 | 23 24 | 0 1 | 14 50 | 1 24 | 21 48 | 0 41 | 23 18 | 0 6 | 13 19 | 0 44 | 8 2 | 17 11 | 23 24 | 23 24 | 6 0 | 18 26 | 5 0 |
| S 13 | 1 28 | 21 52 | 0 47 | 6 34 | 0 20 | 12 7 | 0 25 | 23 27 | 0 0 | 14 52 | 1 24 | 21 48 | 0 41 | 23 18 | 0 6 | 13 19 | 0 44 | 8 3 | 17 12 | 23 24 | 23 24 | 5 58 | 18 26 | 5 1 |
| M14 | 1 5 | 23 54 | 0s22 | 6 54 | 0 1 | 12 36 | 0 28 | 23 29 | 0n 1 | 14 54 | 1 24 | 21 49 | 0 41 | 23 18 | 0 6 | 13 18 | 0 44 | 8 3 | 17 12 | 23 24 | 23 23 | 5 55 | 18 25 | 5 1 |
| T 15 | 0 41 | 24 36 | 1 28 | 7 9 | 0n16 | 13 4 | 0 32 | 23 32 | 0 3 | 14 56 | 1 24 | 21 49 | 0 41 | 23 18 | 0 6 | 13 17 | 0 44 | 8 4 | 17 12 | 23 24 | 23 23 | 5 52 | 18 25 | 5 2 |
| W16 | 0 17 | 24 2 | 2 29 | 7 18 | 0 32 | 13 32 | 0 35 | 23 34 | 0 4 | 14 57 | 1 24 | 21 49 | 0 41 | 23 18 | 0 6 | 13 17 | 0 44 | 8 4 | 17 12 | 23 24 | 23 23 | 5 49 | 18 25 | 5 2 |
| T 17 | 0s 6 | 22 19 | 3 21 | 7 23 | 0 47 | 13 59 | 0 38 | 23 36 | 0 6 | 14 59 | 1 24 | 21 49 | 0 41 | 23 18 | 0 6 | 13 16 | 0 44 | 8 5 | 17 12 | 23 23 | 23 23 | 5 47 | 18 24 | 5 3 |
| F 18 | 0 30 | 19 36 | 4 3 | 7 22 | 1 0 | 14 26 | 0 41 | 23 39 | 0 7 | 15 0 | 1 24 | 21 49 | 0 41 | 23 18 | 0 6 | 13 15 | 0 44 | 8 5 | 17 12 | 23 23 | 23 23 | 5 44 | 18 24 | 5 3 |
| S 19 | 0 54 | 16 5 | 4 35 | 7 16 | 1 12 | 14 53 | 0 45 | 23 41 | 0 9 | 15 2 | 1 24 | 21 49 | 0 41 | 23 18 | 0 6 | 13 15 | 0 44 | 8 6 | 17 12 | 23 23 | 23 23 | 5 41 | 18 23 | 5 4 |
| S 20 | 1 17 | 11 57 | 4 54 | 7 6 | 1 23 | 15 20 | 0 48 | 23 43 | 0 11 | 15 3 | 1 24 | 21 49 | 0 41 | 23 18 | 0 6 | 13 14 | 0 44 | 8 6 | 17 12 | 23 22 | 23 23 | 5 38 | 18 23 | 5 4 |
| M21 | 1 41 | 7 23 | 5 0 | 6 52 | 1 32 | 15 46 | 0 51 | 23 45 | 0 12 | 15 4 | 1 23 | 21 49 | 0 41 | 23 18 | 0 6 | 13 13 | 0 44 | 8 7 | 17 12 | 23 21 | 23 22 | 5 36 | 18 22 | 5 5 |
| T 22 | 2 5 | 2 32 | 4 53 | 6 33 | 1 39 | 16 12 | 0 54 | 23 47 | 0 14 | 15 6 | 1 23 | 21 49 | 0 41 | 23 18 | 0 6 | 13 13 | 0 44 | 8 7 | 17 12 | 23 20 | 23 22 | 5 33 | 18 22 | 5 6 |
| W23 | 2 28 | 2n25 | 4 33 | 6 11 | 1 46 | 16 37 | 0 58 | 23 49 | 0 15 | 15 7 | 1 23 | 21 49 | 0 41 | 23 18 | 0 7 | 13 12 | 0 44 | 8 8 | 17 13 | 23 20 | 23 22 | 5 30 | 18 21 | 5 6 |
| T 24 | 2 52 | 7 18 | 4 2 | 5 45 | 1 51 | 17 2 | 1 1 | 23 50 | 0 17 | 15 8 | 1 23 | 21 49 | 0 41 | 23 18 | 0 7 | 13 12 | 0 44 | 8 8 | 17 13 | 23 19 | 23 22 | 5 27 | 18 21 | 5 7 |
| F 25 | 3 16 | 11 58 | 3 19 | 5 16 | 1 55 | 17 27 | 1 4 | 23 52 | 0 19 | 15 9 | 1 23 | 21 49 | 0 41 | 23 18 | 0 7 | 13 11 | 0 44 | 8 9 | 17 13 | 23 18 | 23 22 | 5 25 | 18 20 | 5 7 |
| S 26 | 3 39 | 16 13 | 2 27 | 4 45 | 1 58 | 17 51 | 1 7 | 23 54 | 0 21 | 15 10 | 1 23 | 21 49 | 0 41 | 23 18 | 0 7 | 13 10 | 0 44 | 8 9 | 17 13 | 23 18 | 23 21 | 5 22 | 18 20 | 5 8 |
| S 27 | 4 3 | 19 50 | 1 27 | 4 11 | 1 59 | 18 15 | 1 10 | 23 55 | 0 22 | 15 11 | 1 23 | 21 49 | 0 41 | 23 18 | 0 7 | 13 10 | 0 44 | 8 10 | 17 13 | 23 18 | 23 21 | 5 19 | 18 19 | 5 8 |
| M28 | 4 26 | 22 37 | 0 22 | 3 36 | 2 0 | 18 38 | 1 13 | 23 57 | 0 24 | 15 12 | 1 22 | 21 49 | 0 41 | 23 18 | 0 7 | 13 9 | 0 44 | 8 10 | 17 13 | 23 18 | 23 21 | 5 16 | 18 19 | 5 9 |
| T 29 | 4 50 | 24 19 | 0n46 | 2 58 | 2 0 | 19 1 | 1 17 | 23 59 | 0 26 | 15 12 | 1 22 | 21 49 | 0 41 | 23 18 | 0 7 | 13 9 | 0 44 | 8 11 | 17 13 | 23 18 | 23 21 | 5 14 | 18 18 | 5 9 |
| W30 | 5s13 | 24n45 | 1n53 | 2n19 | 2n 0 | 19s23 | 1s20 | 24n 0 | 0n28 | 15s13 | 1s22 | 21s49 | 0s41 | 23n18 | 0n 7 | 13n 8 | 0n44 | 8s11 | 17s13 | 23n18 | 23n21 | 5s11 | 18n17 | 5s10 |

Julian Day Number = 2125998.5, Delta T = 17m15s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'51, Lahiri = 11°25'52 Julian Calendar 1 Sept. 1108 == Greg. Calendar 8 Sept. 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## OCTOBER 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 4 3 | 14♎ 8'34 | 26♋56 | 0♎24 | 22♏15 | 2♋10 | 22°R56 | 25♑28 | 20°R12 | 27♌24 | 19°R44 | 21°R42 | 22♊32 | 28♓53 | 24°R41 | T 1 |
| F 2 | 1 8 0 | 15° 8'19 | 10♌52 | 2° 2 | 23°26 | 2°32 | 22♒53 | 25°29 | 20♊12 | 27°26 | 19♈43 | 21♊39 | 22°28 | 29° 0 | 24♊40 | F 2 |
| S 3 | 1 11 56 | 16° 8'08 | 25°15 | 3°42 | 24°38 | 2°53 | 22°51 | 25°30 | 20°11 | 27°27 | 19°41 | 21°34 | 22°25 | 29° 6 | 24°40 | S 3 |
| S 4 | 1 15 53 | 17° 7'58 | 10♍ 3 | 5°22 | 25°50 | 3°13 | 22°50 | 25°31 | 20°10 | 27°29 | 19°40 | 21°27 | 22°22 | 29°13 | 24°39 | S 4 |
| M 5 | 1 19 49 | 18° 7'51 | 25° 9 | 7° 2 | 27° 2 | 3°33 | 22°48 | 25°32 | 20° 9 | 27°30 | 19°39 | 21°18 | 22°19 | 29°20 | 24°39 | M 5 |
| T 6 | 1 23 46 | 19° 7'45 | 10♎24 | 8°43 | 28°13 | 3°52 | 22°47 | 25°34 | 20° 9 | 27°32 | 19°38 | 21° 8 | 22°16 | 29°26 | 24°38 | T 6 |
| W 7 | 1 27 43 | 20° 7'42 | 25°37 | 10°24 | 29°25 | 4°11 | 22°45 | 25°35 | 20° 8 | 27°34 | 19°37 | 20°59 | 22°13 | 29°33 | 24°37 | W 7 |
| T 8 | 1 31 39 | 21° 7'41 | 10♏38 | 12° 5 | 0♐37 | 4°30 | 22°45 | 25°36 | 20° 7 | 27°35 | 19°36 | 20°51 | 22° 9 | 29°40 | 24°36 | T 8 |
| F 9 | 1 35 36 | 22° 7'41 | 25°17 | 13°45 | 1°48 | 4°48 | 22°44 | 25°38 | 20° 6 | 27°37 | 19°35 | 20°46 | 22° 6 | 29°47 | 24°36 | F 9 |
| S 10 | 1 39 32 | 23° 7'44 | 9♐30 | 15°26 | 3° 0 | 5° 5 | 22°43 | 25°39 | 20° 5 | 27°38 | 19°33 | 20°43 | 22° 3 | 29°53 | 24°35 | S 10 |
| S 11 | 1 43 29 | 24° 7'48 | 23°14 | 17° 6 | 4°11 | 5°22 | 22°43 | 25°41 | 20° 4 | 27°39 | 19°32 | 20°D43 | 22° 0 | 0♈ 0 | 24°33 | S 11 |
| M12 | 1 47 25 | 25° 7'54 | 6♑29 | 18°46 | 5°23 | 5°38 | 22°D43 | 25°43 | 20° 3 | 27°41 | 19°31 | 20°44 | 21°57 | 0° 7 | 24°32 | M12 |
| T 13 | 1 51 22 | 26° 8'01 | 19°19 | 20°26 | 6°34 | 5°54 | 22°43 | 25°45 | 20° 1 | 27°42 | 19°30 | 20°45 | 21°53 | 0°14 | 24°31 | T 13 |
| W14 | 1 55 18 | 27° 8'10 | 1♒49 | 22° 5 | 7°45 | 6° 9 | 22°43 | 25°47 | 20° 0 | 27°43 | 19°29 | 20°R45 | 21°50 | 0°20 | 24°30 | W14 |
| T 15 | 1 59 15 | 28° 8'20 | 14° 2 | 23°44 | 8°56 | 6°24 | 22°43 | 25°49 | 19°59 | 27°45 | 19°28 | 20°43 | 21°47 | 0°27 | 24°28 | T 15 |
| F 16 | 2 3 12 | 29° 8'32 | 26° 4 | 25°23 | 10° 8 | 6°38 | 22°44 | 25°51 | 19°58 | 27°46 | 19°27 | 20°39 | 21°44 | 0°34 | 24°27 | F 16 |
| S 17 | 2 7 8 | 0♏ 8'46 | 8♓ 0 | 27° 1 | 11°19 | 6°51 | 22°45 | 25°54 | 19°56 | 27°47 | 19°26 | 20°33 | 21°41 | 0°40 | 24°25 | S 17 |
| S 18 | 2 11 5 | 1° 9'01 | 19°52 | 28°39 | 12°30 | 7° 4 | 22°46 | 25°56 | 19°55 | 27°49 | 19°24 | 20°26 | 21°38 | 0°47 | 24°24 | S 18 |
| M19 | 2 15 1 | 2° 9'18 | 1♈44 | 0♏17 | 13°41 | 7°16 | 22°47 | 25°59 | 19°53 | 27°50 | 19°23 | 20°16 | 21°34 | 0°54 | 24°22 | M19 |
| T 20 | 2 18 58 | 3° 9'36 | 13°38 | 1°54 | 14°51 | 7°28 | 22°49 | 26° 1 | 19°52 | 27°51 | 19°22 | 20° 7 | 21°31 | 1° 1 | 24°20 | T 20 |
| W21 | 2 22 54 | 4° 9'56 | 25°37 | 3°30 | 16° 2 | 7°39 | 22°50 | 26° 4 | 19°50 | 27°52 | 19°21 | 19°58 | 21°28 | 1° 7 | 24°18 | W21 |
| T 22 | 2 26 51 | 5°10'18 | 7♉42 | 5° 7 | 17°13 | 7°49 | 22°52 | 26° 7 | 19°49 | 27°53 | 19°20 | 19°50 | 21°25 | 1°14 | 24°16 | T 22 |
| F 23 | 2 30 47 | 6°10'42 | 19°53 | 6°43 | 18°24 | 7°58 | 22°54 | 26°10 | 19°47 | 27°54 | 19°19 | 19°44 | 21°22 | 1°21 | 24°14 | F 23 |
| S 24 | 2 34 44 | 7°11'07 | 2♊13 | 8°19 | 19°34 | 8° 7 | 22°57 | 26°13 | 19°45 | 27°55 | 19°18 | 19°40 | 21°19 | 1°27 | 24°12 | S 24 |
| S 25 | 2 38 40 | 8°11'34 | 14°42 | 9°54 | 20°45 | 8°16 | 22°59 | 26°16 | 19°44 | 27°56 | 19°17 | 19°D39 | 21°15 | 1°34 | 24°10 | S 25 |
| M26 | 2 42 37 | 9°12'03 | 27°23 | 11°29 | 21°55 | 8°23 | 23° 2 | 26°19 | 19°42 | 27°57 | 19°16 | 19°39 | 21°12 | 1°41 | 24° 8 | M26 |
| T 27 | 2 46 34 | 10°12'34 | 10♋17 | 13° 4 | 23° 5 | 8°30 | 23° 5 | 26°22 | 19°40 | 27°58 | 19°15 | 19°40 | 21° 9 | 1°48 | 24° 5 | T 27 |
| W28 | 2 50 30 | 11°13'07 | 23°27 | 14°39 | 24°16 | 8°36 | 23° 8 | 26°25 | 19°38 | 27°59 | 19°14 | 19°42 | 21° 6 | 1°54 | 24° 3 | W28 |
| T 29 | 2 54 27 | 12°13'41 | 6♌55 | 16°13 | 25°26 | 8°41 | 23°11 | 26°29 | 19°37 | 28° 0 | 19°13 | 19°R43 | 21° 3 | 2° 1 | 24° 1 | T 29 |
| F 30 | 2 58 23 | 13°14'17 | 20°43 | 17°47 | 26°36 | 8°46 | 23°14 | 26°32 | 19°35 | 28° 1 | 19°12 | 19°42 | 20°59 | 2° 8 | 23°58 | F 30 |
| S 31 | 3 2 20 | 14♏14'55 | 4♍52 | 19♏21 | 27♐46 | 8♋49 | 23♒18 | 26♑36 | 19♊33 | 28♌ 2 | 19♈11 | 19♊41 | 20♊56 | 2♈15 | 23♊55 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s36 | 23n45 | 2n56 | 1n39 | 1n58 | 19s45 | 1s23 | 24n 2 | 0n29 | 15s14 | 1s22 | 21s49 | 0s41 | 23n18 | 0n 7 | 13n 8 | 0n44 | 8s11 | 17s13 | 23n18 | 23n21 | 5s 8 | 18n17 | 5s10 |
| F 2 | 5 59 | 21 17 | 3 50 | 0 58 | 1 56 | 20 6 | 1 26 | 24 3 | 0 31 | 15 14 | 1 22 | 21 49 | 0 41 | 23 18 | 0 7 | 13 7 | 0 44 | 8 12 | 17 13 | 23 17 | 23 20 | 5 5 | 18 16 | 5 11 |
| S 3 | 6 23 | 17 26 | 4 32 | 0 15 | 1 53 | 20 27 | 1 29 | 24 5 | 0 33 | 15 15 | 1 22 | 21 49 | 0 41 | 23 18 | 0 7 | 13 6 | 0 44 | 8 12 | 17 13 | 23 17 | 23 20 | 5 2 | 18 16 | 5 11 |
| S 4 | 6 46 | 12 25 | 4 57 | 0s27 | 1 50 | 20 48 | 1 32 | 24 6 | 0 35 | 15 15 | 1 21 | 21 49 | 0 41 | 23 18 | 0 7 | 13 6 | 0 44 | 8 13 | 17 13 | 23 17 | 23 20 | 5 0 | 18 15 | 5 12 |
| M 5 | 7 9 | 6 34 | 5 3 | 1 11 | 1 47 | 21 8 | 1 35 | 24 7 | 0 37 | 15 16 | 1 21 | 21 48 | 0 41 | 23 18 | 0 7 | 13 5 | 0 44 | 8 13 | 17 13 | 23 16 | 23 20 | 4 57 | 18 15 | 5 12 |
| T 6 | 7 31 | 0 15 | 4 47 | 1 54 | 1 42 | 21 27 | 1 38 | 24 9 | 0 39 | 15 16 | 1 21 | 21 48 | 0 41 | 23 18 | 0 7 | 13 5 | 0 44 | 8 13 | 17 13 | 23 15 | 23 20 | 4 54 | 18 14 | 5 13 |
| W 7 | 7 54 | 6s 4 | 4 10 | 2 38 | 1 38 | 21 46 | 1 41 | 24 10 | 0 41 | 15 16 | 1 21 | 21 48 | 0 41 | 23 18 | 0 7 | 13 4 | 0 44 | 8 14 | 17 13 | 23 15 | 23 19 | 4 51 | 18 14 | 5 13 |
| T 8 | 8 17 | 11 58 | 3 17 | 3 22 | 1 33 | 22 4 | 1 43 | 24 12 | 0 43 | 15 16 | 1 21 | 21 48 | 0 41 | 23 18 | 0 7 | 13 4 | 0 44 | 8 14 | 17 13 | 23 14 | 23 19 | 4 49 | 18 13 | 5 14 |
| F 9 | 8 39 | 17 3 | 2 12 | 4 6 | 1 28 | 22 21 | 1 46 | 24 13 | 0 45 | 15 16 | 1 21 | 21 47 | 0 41 | 23 18 | 0 7 | 13 3 | 0 45 | 8 15 | 17 13 | 23 14 | 23 19 | 4 46 | 18 13 | 5 14 |
| S 10 | 9 2 | 21 0 | 1 0 | 4 50 | 1 22 | 22 38 | 1 49 | 24 14 | 0 47 | 15 16 | 1 20 | 21 47 | 0 41 | 23 18 | 0 7 | 13 3 | 0 45 | 8 15 | 17 13 | 23 14 | 23 19 | 4 43 | 18 12 | 5 15 |
| S 11 | 9 24 | 23 36 | 0s13 | 5 34 | 1 17 | 22 55 | 1 52 | 24 16 | 0 49 | 15 16 | 1 20 | 21 47 | 0 41 | 23 18 | 0 7 | 13 3 | 0 45 | 8 15 | 17 13 | 23 14 | 23 19 | 4 40 | 18 12 | 5 15 |
| M12 | 9 46 | 24 47 | 1 24 | 6 18 | 1 11 | 23 11 | 1 54 | 24 17 | 0 51 | 15 16 | 1 20 | 21 46 | 0 41 | 23 18 | 0 7 | 13 2 | 0 45 | 8 16 | 17 13 | 23 14 | 23 19 | 4 37 | 18 11 | 5 16 |
| T 13 | 10 8 | 24 35 | 2 27 | 7 1 | 1 5 | 23 26 | 1 57 | 24 19 | 0 53 | 15 16 | 1 20 | 21 46 | 0 41 | 23 17 | 0 7 | 13 2 | 0 45 | 8 16 | 17 13 | 23 14 | 23 18 | 4 35 | 18 11 | 5 16 |
| W14 | 10 30 | 23 8 | 3 22 | 7 44 | 0 59 | 23 40 | 2 0 | 24 20 | 0 55 | 15 16 | 1 20 | 21 46 | 0 41 | 23 17 | 0 7 | 13 1 | 0 45 | 8 17 | 17 13 | 23 14 | 23 18 | 4 32 | 18 10 | 5 17 |
| T 15 | 10 52 | 20 37 | 4 6 | 8 27 | 0 52 | 23 54 | 2 2 | 24 22 | 0 58 | 15 15 | 1 19 | 21 45 | 0 41 | 23 17 | 0 7 | 13 1 | 0 45 | 8 17 | 17 13 | 23 14 | 23 18 | 4 29 | 18 9 | 5 17 |
| F 16 | 11 13 | 17 15 | 4 39 | 9 9 | 0 46 | 24 8 | 2 4 | 24 23 | 1 0 | 15 15 | 1 19 | 21 45 | 0 41 | 23 17 | 0 7 | 13 0 | 0 45 | 8 17 | 17 13 | 23 13 | 23 18 | 4 26 | 18 9 | 5 18 |
| S 17 | 11 35 | 13 14 | 4 59 | 9 51 | 0 40 | 24 20 | 2 7 | 24 25 | 1 2 | 15 15 | 1 19 | 21 44 | 0 41 | 23 17 | 0 7 | 13 0 | 0 45 | 8 18 | 17 12 | 23 13 | 23 18 | 4 23 | 18 8 | 5 18 |
| S 18 | 11 56 | 8 43 | 5 6 | 10 32 | 0 33 | 24 32 | 2 9 | 24 26 | 1 4 | 15 14 | 1 19 | 21 44 | 0 41 | 23 17 | 0 7 | 13 0 | 0 45 | 8 18 | 17 12 | 23 12 | 23 17 | 4 21 | 18 8 | 5 19 |
| M19 | 12 17 | 3 54 | 5 0 | 11 13 | 0 26 | 24 43 | 2 11 | 24 28 | 1 7 | 15 13 | 1 19 | 21 44 | 0 41 | 23 17 | 0 7 | 12 59 | 0 45 | 8 18 | 17 12 | 23 12 | 23 17 | 4 18 | 18 7 | 5 19 |
| T 20 | 12 38 | 1n 5 | 4 41 | 11 53 | 0 20 | 24 54 | 2 14 | 24 30 | 1 9 | 15 13 | 1 18 | 21 43 | 0 41 | 23 17 | 0 7 | 12 59 | 0 45 | 8 19 | 17 12 | 23 11 | 23 17 | 4 15 | 18 7 | 5 19 |
| W21 | 12 58 | 6 4 | 4 10 | 12 32 | 0 13 | 25 4 | 2 16 | 24 31 | 1 11 | 15 12 | 1 18 | 21 43 | 0 41 | 23 17 | 0 7 | 12 58 | 0 45 | 8 19 | 17 12 | 23 10 | 23 17 | 4 12 | 18 6 | 5 20 |
| T 22 | 13 19 | 10 53 | 3 27 | 13 11 | 0 6 | 25 13 | 2 18 | 24 33 | 1 14 | 15 11 | 1 18 | 21 42 | 0 41 | 23 17 | 0 7 | 12 58 | 0 45 | 8 19 | 17 12 | 23 10 | 23 17 | 4 9 | 18 6 | 5 20 |
| F 23 | 13 39 | 15 20 | 2 34 | 13 50 | 0s 0 | 25 22 | 2 20 | 24 35 | 1 16 | 15 10 | 1 18 | 21 42 | 0 41 | 23 17 | 0 7 | 12 58 | 0 45 | 8 19 | 17 12 | 23 9 | 23 16 | 4 6 | 18 5 | 5 21 |
| S 24 | 13 59 | 19 11 | 1 33 | 14 27 | 0 7 | 25 30 | 2 21 | 24 37 | 1 19 | 15 9 | 1 18 | 21 41 | 0 41 | 23 16 | 0 7 | 12 57 | 0 45 | 8 20 | 17 12 | 23 9 | 23 16 | 4 4 | 18 5 | 5 21 |
| S 25 | 14 18 | 22 14 | 0 27 | 15 4 | 0 14 | 25 37 | 2 23 | 24 39 | 1 21 | 15 8 | 1 18 | 21 40 | 0 41 | 23 16 | 0 7 | 12 57 | 0 45 | 8 20 | 17 12 | 23 9 | 23 16 | 4 1 | 18 4 | 5 22 |
| M26 | 14 38 | 24 14 | 0n42 | 15 40 | 0 20 | 25 43 | 2 25 | 24 41 | 1 24 | 15 7 | 1 17 | 21 40 | 0 41 | 23 16 | 0 7 | 12 57 | 0 45 | 8 20 | 17 11 | 23 9 | 23 16 | 3 58 | 18 4 | 5 22 |
| T 27 | 14 57 | 24 59 | 1 50 | 16 16 | 0 27 | 25 49 | 2 26 | 24 43 | 1 26 | 15 6 | 1 17 | 21 39 | 0 41 | 23 16 | 0 7 | 12 56 | 0 45 | 8 20 | 17 11 | 23 9 | 23 15 | 3 55 | 18 3 | 5 23 |
| W28 | 15 16 | 24 21 | 2 53 | 16 50 | 0 33 | 25 54 | 2 28 | 24 45 | 1 29 | 15 5 | 1 17 | 21 39 | 0 41 | 23 16 | 0 7 | 12 56 | 0 45 | 8 21 | 17 11 | 23 9 | 23 15 | 3 52 | 18 3 | 5 23 |
| T 29 | 15 35 | 22 19 | 3 49 | 17 24 | 0 40 | 25 58 | 2 29 | 24 47 | 1 31 | 15 4 | 1 17 | 21 38 | 0 41 | 23 16 | 0 7 | 12 56 | 0 45 | 8 21 | 17 11 | 23 9 | 23 15 | 3 49 | 18 2 | 5 23 |
| F 30 | 15 53 | 18 57 | 4 33 | 17 57 | 0 46 | 26 1 | 2 31 | 24 50 | 1 34 | 15 2 | 1 17 | 21 37 | 0 41 | 23 16 | 0 7 | 12 56 | 0 45 | 8 21 | 17 11 | 23 9 | 23 15 | 3 47 | 18 1 | 5 24 |
| S 31 | 16s12 | 14n26 | 5n 1 | 18s29 | 0s52 | 26s 4 | 2s32 | 24n52 | 1n37 | 15s 1 | 1s16 | 21s37 | 0s41 | 23n16 | 0n 7 | 12n55 | 0n45 | 8s21 | 17s11 | 23n 9 | 23n15 | 3s44 | 18n 1 | 5s24 |

Julian Day Number = 2126028.5, Delta T = 17m15s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°18'55, Lahiri = 11°25'56 Julian Calendar 1 Oct. 1108 == Greg. Calendar 8 Oct. 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## NOVEMBER 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 6 16 | 15♏15'35 | 19♍19 | 20♏55 | 28♐56 | 8♋52 | 23♒22 | 26♑40 | 19°R31 | 28♌ 3 | 19°R10 | 19°R38 | 20♊53 | 2♈21 | 23°R53 | S 1 |
| M 2 | 3 10 13 | 16°16'17 | 4♎ 3 | 22°28 | 0♑ 5 | 8°54 | 23°26 | 26°43 | 19♊29 | 28° 3 | 19♈ 9 | 19♊33 | 20°50 | 2°28 | 23♊50 | M 2 |
| T 3 | 3 14 9 | 17°17'00 | 18°56 | 24° 2 | 1°15 | 8°56 | 23°30 | 26°47 | 19°27 | 28° 4 | 19° 8 | 19°28 | 20°47 | 2°35 | 23°47 | T 3 |
| W 4 | 3 18 6 | 18°17'45 | 3♏51 | 25°35 | 2°25 | 8°R56 | 23°34 | 26°51 | 19°25 | 28° 5 | 19° 7 | 19°23 | 20°44 | 2°41 | 23°44 | W 4 |
| T 5 | 3 22 3 | 19°18'31 | 18°38 | 27° 8 | 3°34 | 8°56 | 23°39 | 26°55 | 19°22 | 28° 5 | 19° 6 | 19°20 | 20°40 | 2°48 | 23°42 | T 5 |
| F 6 | 3 25 59 | 20°19'19 | 3♐11 | 28°41 | 4°43 | 8°55 | 23°44 | 26°59 | 19°20 | 28° 6 | 19° 5 | 19°17 | 20°37 | 2°55 | 23°39 | F 6 |
| S 7 | 3 29 56 | 21°20'08 | 17°23 | 0♐13 | 5°53 | 8°53 | 23°49 | 27° 4 | 19°18 | 28° 7 | 19° 4 | 19°D16 | 20°34 | 3° 2 | 23°36 | S 7 |
| S 8 | 3 33 52 | 22°20'58 | 1♑10 | 1°46 | 7° 2 | 8°50 | 23°54 | 27° 8 | 19°16 | 28° 7 | 19° 3 | 19°17 | 20°31 | 3° 8 | 23°33 | S 8 |
| M 9 | 3 37 49 | 23°21'49 | 14°31 | 3°19 | 8°11 | 8°46 | 23°59 | 27°12 | 19°14 | 28° 8 | 19° 2 | 19°18 | 20°28 | 3°15 | 23°29 | M 9 |
| T 10 | 3 41 45 | 24°22'41 | 27°27 | 4°51 | 9°19 | 8°42 | 24° 5 | 27°17 | 19°11 | 28° 8 | 19° 1 | 19°20 | 20°25 | 3°22 | 23°26 | T 10 |
| W11 | 3 45 42 | 25°23'34 | 10♒ 2 | 6°23 | 10°28 | 8°36 | 24°10 | 27°21 | 19° 9 | 28° 9 | 19° 0 | 19°21 | 20°21 | 3°28 | 23°23 | W11 |
| T 12 | 3 49 39 | 26°24'28 | 22°19 | 7°55 | 11°37 | 8°30 | 24°16 | 27°26 | 19° 7 | 28° 9 | 18°59 | 19°R22 | 20°18 | 3°35 | 23°20 | T 12 |
| F 13 | 3 53 35 | 27°25'23 | 4♓24 | 9°27 | 12°45 | 8°23 | 24°22 | 27°30 | 19° 5 | 28° 9 | 18°58 | 19°22 | 20°15 | 3°42 | 23°17 | F 13 |
| S 14 | 3 57 32 | 28°26'18 | 16°19 | 10°59 | 13°53 | 8°15 | 24°29 | 27°35 | 19° 2 | 28°10 | 18°57 | 19°21 | 20°12 | 3°49 | 23°13 | S 14 |
| S 15 | 4 1 28 | 29°27'15 | 28°11 | 12°31 | 15° 1 | 8° 6 | 24°35 | 27°40 | 19° 0 | 28°10 | 18°57 | 19°19 | 20° 9 | 3°55 | 23°10 | S 15 |
| M16 | 4 5 25 | 0♐28'12 | 10♈ 4 | 14° 2 | 16° 9 | 7°57 | 24°41 | 27°45 | 18°57 | 28°10 | 18°56 | 19°16 | 20° 5 | 4° 2 | 23° 6 | M16 |
| T 17 | 4 9 21 | 1°29'10 | 22° 0 | 15°33 | 17°17 | 7°46 | 24°48 | 27°50 | 18°55 | 28°11 | 18°55 | 19°13 | 20° 2 | 4° 9 | 23° 3 | T 17 |
| W18 | 4 13 18 | 2°30'09 | 4♉ 4 | 17° 4 | 18°24 | 7°35 | 24°55 | 27°55 | 18°53 | 28°11 | 18°54 | 19°10 | 19°59 | 4°15 | 22°59 | W18 |
| T 19 | 4 17 14 | 3°31'08 | 16°17 | 18°34 | 19°32 | 7°23 | 25° 2 | 28° 0 | 18°50 | 28°11 | 18°53 | 19° 8 | 19°56 | 4°22 | 22°56 | T 19 |
| F 20 | 4 21 11 | 4°32'09 | 28°42 | 20° 4 | 20°39 | 7°10 | 25° 9 | 28° 5 | 18°48 | 28°11 | 18°53 | 19° 6 | 19°53 | 4°29 | 22°52 | F 20 |
| S 21 | 4 25 8 | 5°33'10 | 11♊18 | 21°34 | 21°46 | 6°56 | 25°17 | 28°10 | 18°45 | 28°11 | 18°52 | 19° 5 | 19°50 | 4°36 | 22°49 | S 21 |
| S 22 | 4 29 4 | 6°34'12 | 24° 7 | 23° 2 | 22°53 | 6°42 | 25°24 | 28°16 | 18°43 | 28°11 | 18°51 | 19°D 5 | 19°46 | 4°42 | 22°45 | S 22 |
| M23 | 4 33 1 | 7°35'15 | 7♋ 9 | 24°30 | 23°59 | 6°26 | 25°32 | 28°21 | 18°40 | 28°11 | 18°51 | 19° 5 | 19°43 | 4°49 | 22°41 | M23 |
| T 24 | 4 36 57 | 8°36'19 | 20°24 | 25°58 | 25° 5 | 6°10 | 25°40 | 28°26 | 18°38 | 28°R11 | 18°50 | 19° 6 | 19°40 | 4°56 | 22°37 | T 24 |
| W25 | 4 40 54 | 9°37'24 | 3♌51 | 27°24 | 26°11 | 5°54 | 25°48 | 28°32 | 18°35 | 28°11 | 18°49 | 19° 7 | 19°37 | 5° 3 | 22°34 | W25 |
| T 26 | 4 44 50 | 10°38'30 | 17°31 | 28°48 | 27°17 | 5°36 | 25°56 | 28°37 | 18°33 | 28°11 | 18°49 | 19° 8 | 19°34 | 5° 9 | 22°30 | T 26 |
| F 27 | 4 48 47 | 11°39'37 | 1♍23 | 0♑12 | 28°23 | 5°18 | 26° 4 | 28°43 | 18°30 | 28°11 | 18°48 | 19° 9 | 19°31 | 5°16 | 22°26 | F 27 |
| S 28 | 4 52 43 | 12°40'44 | 15°27 | 1°33 | 29°28 | 4°59 | 26°12 | 28°49 | 18°28 | 28°11 | 18°47 | 19°R 9 | 19°27 | 5°23 | 22°22 | S 28 |
| S 29 | 4 56 40 | 13°41'52 | 29°40 | 2°53 | 0♒33 | 4°40 | 26°21 | 28°55 | 18°25 | 28°11 | 18°47 | 19° 9 | 19°24 | 5°29 | 22°18 | S 29 |
| M30 | 5 0 37 | 14♐43'02 | 14♎ 1 | 4♑10 | 1♒38 | 4♋20 | 26♒30 | 29♑ 0 | 18♊22 | 28♌11 | 18♈46 | 19♊ 8 | 19♊21 | 5♈36 | 22♊15 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s29 | 9n 1 | 5n11 | 19s 0 | 0s58 | 26s 6 | 2s33 | 24n54 | 1n39 | 15s 0 | 1s16 | 21s36 | 0s41 | 23n15 | 0n 7 | 12n55 | 0n45 | 8s22 | 17s11 | 23n 9 | 23n14 | 3s41 | 18n 0 | 5s25 |
| M 2 | 16 47 | 3 0 | 5 2 | 19 31 | 1 4 | 26 7 | 2 34 | 24 57 | 1 42 | 14 58 | 1 16 | 21 35 | 0 41 | 23 15 | 0 7 | 12 55 | 0 45 | 8 22 | 17 10 | 23 9 | 23 14 | 3 38 | 18 0 | 5 25 |
| T 3 | 17 4 | 3s16 | 4 32 | 20 0 | 1 10 | 26 8 | 2 35 | 24 59 | 1 45 | 14 57 | 1 16 | 21 34 | 0 41 | 23 15 | 0 7 | 12 55 | 0 45 | 8 22 | 17 10 | 23 8 | 23 14 | 3 35 | 17 59 | 5 26 |
| W 4 | 17 22 | 9 22 | 3 43 | 20 28 | 1 16 | 26 8 | 2 36 | 25 2 | 1 47 | 14 55 | 1 16 | 21 34 | 0 41 | 23 15 | 0 7 | 12 55 | 0 45 | 8 22 | 17 10 | 23 8 | 23 14 | 3 32 | 17 59 | 5 26 |
| T 5 | 17 38 | 14 54 | 2 40 | 20 56 | 1 21 | 26 7 | 2 37 | 25 5 | 1 50 | 14 53 | 1 15 | 21 33 | 0 41 | 23 15 | 0 7 | 12 54 | 0 45 | 8 22 | 17 10 | 23 7 | 23 14 | 3 30 | 17 58 | 5 26 |
| F 6 | 17 55 | 19 28 | 1 27 | 21 22 | 1 27 | 26 5 | 2 37 | 25 8 | 1 53 | 14 51 | 1 15 | 21 32 | 0 41 | 23 15 | 0 7 | 12 54 | 0 45 | 8 23 | 17 10 | 23 7 | 23 13 | 3 27 | 17 58 | 5 27 |
| S 7 | 18 11 | 22 47 | 0 10 | 21 47 | 1 32 | 26 3 | 2 38 | 25 11 | 1 56 | 14 50 | 1 15 | 21 31 | 0 41 | 23 14 | 0 7 | 12 54 | 0 46 | 8 23 | 17 9 | 23 7 | 23 13 | 3 24 | 17 57 | 5 27 |
| S 8 | 18 27 | 24 38 | 1s 5 | 22 12 | 1 37 | 26 0 | 2 38 | 25 14 | 1 58 | 14 48 | 1 15 | 21 30 | 0 41 | 23 14 | 0 7 | 12 54 | 0 46 | 8 23 | 17 9 | 23 7 | 23 13 | 3 21 | 17 57 | 5 27 |
| M 9 | 18 42 | 24 59 | 2 14 | 22 35 | 1 42 | 25 56 | 2 38 | 25 17 | 2 1 | 14 46 | 1 15 | 21 30 | 0 41 | 23 14 | 0 7 | 12 54 | 0 46 | 8 23 | 17 9 | 23 7 | 23 13 | 3 18 | 17 56 | 5 28 |
| T 10 | 18 57 | 23 57 | 3 15 | 22 57 | 1 46 | 25 52 | 2 39 | 25 20 | 2 4 | 14 44 | 1 14 | 21 29 | 0 41 | 23 14 | 0 7 | 12 54 | 0 46 | 8 23 | 17 9 | 23 7 | 23 12 | 3 15 | 17 56 | 5 28 |
| W11 | 19 12 | 21 43 | 4 4 | 23 18 | 1 51 | 25 47 | 2 39 | 25 23 | 2 7 | 14 42 | 1 14 | 21 28 | 0 41 | 23 14 | 0 7 | 12 53 | 0 46 | 8 23 | 17 9 | 23 8 | 23 12 | 3 12 | 17 55 | 5 28 |
| T 12 | 19 27 | 18 33 | 4 41 | 23 37 | 1 55 | 25 41 | 2 39 | 25 26 | 2 10 | 14 40 | 1 14 | 21 27 | 0 41 | 23 14 | 0 7 | 12 53 | 0 46 | 8 23 | 17 8 | 23 8 | 23 12 | 3 10 | 17 55 | 5 29 |
| F 13 | 19 41 | 14 39 | 5 4 | 23 56 | 1 58 | 25 34 | 2 38 | 25 30 | 2 13 | 14 37 | 1 14 | 21 26 | 0 41 | 23 13 | 0 7 | 12 53 | 0 46 | 8 23 | 17 8 | 23 8 | 23 12 | 3 7 | 17 54 | 5 29 |
| S 14 | 19 55 | 10 15 | 5 14 | 24 13 | 2 2 | 25 27 | 2 38 | 25 33 | 2 15 | 14 35 | 1 14 | 21 25 | 0 41 | 23 13 | 0 7 | 12 53 | 0 46 | 8 24 | 17 8 | 23 8 | 23 11 | 3 4 | 17 54 | 5 29 |
| S 15 | 20 8 | 5 28 | 5 11 | 24 29 | 2 5 | 25 19 | 2 38 | 25 36 | 2 18 | 14 33 | 1 14 | 21 24 | 0 41 | 23 13 | 0 7 | 12 53 | 0 46 | 8 24 | 17 8 | 23 7 | 23 11 | 3 1 | 17 53 | 5 30 |
| M16 | 20 21 | 0 30 | 4 54 | 24 43 | 2 8 | 25 10 | 2 37 | 25 40 | 2 21 | 14 30 | 1 13 | 21 23 | 0 41 | 23 13 | 0 7 | 12 53 | 0 46 | 8 24 | 17 7 | 23 7 | 23 11 | 2 58 | 17 53 | 5 30 |
| T 17 | 20 34 | 4n31 | 4 25 | 24 56 | 2 11 | 25 1 | 2 36 | 25 43 | 2 24 | 14 28 | 1 13 | 21 22 | 0 41 | 23 13 | 0 7 | 12 53 | 0 46 | 8 24 | 17 7 | 23 7 | 23 11 | 2 55 | 17 52 | 5 30 |
| W18 | 20 46 | 9 26 | 3 44 | 25 8 | 2 13 | 24 51 | 2 35 | 25 47 | 2 27 | 14 25 | 1 13 | 21 21 | 0 41 | 23 12 | 0 7 | 12 53 | 0 46 | 8 24 | 17 7 | 23 7 | 23 11 | 2 52 | 17 52 | 5 31 |
| T 19 | 20 58 | 14 3 | 2 51 | 25 18 | 2 15 | 24 40 | 2 34 | 25 50 | 2 30 | 14 23 | 1 13 | 21 20 | 0 41 | 23 12 | 0 7 | 12 53 | 0 46 | 8 24 | 17 7 | 23 6 | 23 10 | 2 50 | 17 52 | 5 31 |
| F 20 | 21 9 | 18 10 | 1 50 | 25 27 | 2 16 | 24 29 | 2 33 | 25 54 | 2 33 | 14 20 | 1 13 | 21 19 | 0 41 | 23 12 | 0 7 | 12 53 | 0 46 | 8 24 | 17 6 | 23 6 | 23 10 | 2 47 | 17 51 | 5 31 |
| S 21 | 21 20 | 21 32 | 0 43 | 25 34 | 2 17 | 24 17 | 2 32 | 25 58 | 2 35 | 14 18 | 1 12 | 21 18 | 0 41 | 23 12 | 0 7 | 12 53 | 0 46 | 8 24 | 17 6 | 23 6 | 23 10 | 2 44 | 17 51 | 5 31 |
| S 22 | 21 31 | 23 53 | 0n28 | 25 40 | 2 18 | 24 5 | 2 31 | 26 1 | 2 38 | 14 15 | 1 12 | 21 17 | 0 41 | 23 12 | 0 7 | 12 53 | 0 46 | 8 24 | 17 6 | 23 6 | 23 10 | 2 41 | 17 50 | 5 32 |
| M23 | 21 41 | 25 0 | 1 38 | 25 44 | 2 18 | 23 52 | 2 29 | 26 5 | 2 41 | 14 12 | 1 12 | 21 16 | 0 42 | 23 11 | 0 7 | 12 53 | 0 46 | 8 24 | 17 5 | 23 6 | 23 9 | 2 38 | 17 50 | 5 32 |
| T 24 | 21 51 | 24 43 | 2 45 | 25 47 | 2 18 | 23 38 | 2 28 | 26 8 | 2 44 | 14 9 | 1 12 | 21 15 | 0 42 | 23 11 | 0 7 | 12 53 | 0 46 | 8 24 | 17 5 | 23 6 | 23 9 | 2 35 | 17 49 | 5 32 |
| W25 | 22 0 | 23 0 | 3 43 | 25 48 | 2 16 | 23 24 | 2 26 | 26 12 | 2 47 | 14 7 | 1 12 | 21 14 | 0 42 | 23 11 | 0 7 | 12 53 | 0 46 | 8 24 | 17 5 | 23 6 | 23 9 | 2 32 | 17 49 | 5 32 |
| T 26 | 22 9 | 19 56 | 4 30 | 25 48 | 2 15 | 23 9 | 2 24 | 26 15 | 2 49 | 14 4 | 1 12 | 21 13 | 0 42 | 23 11 | 0 7 | 12 53 | 0 46 | 8 24 | 17 5 | 23 6 | 23 9 | 2 29 | 17 49 | 5 32 |
| F 27 | 22 18 | 15 44 | 5 2 | 25 46 | 2 12 | 22 54 | 2 22 | 26 19 | 2 52 | 14 1 | 1 11 | 21 12 | 0 42 | 23 11 | 0 7 | 12 53 | 0 46 | 8 24 | 17 4 | 23 7 | 23 8 | 2 27 | 17 48 | 5 33 |
| S 28 | 22 26 | 10 37 | 5 16 | 25 42 | 2 9 | 22 38 | 2 19 | 26 22 | 2 55 | 13 58 | 1 11 | 21 11 | 0 42 | 23 10 | 0 7 | 12 53 | 0 46 | 8 24 | 17 4 | 23 7 | 23 8 | 2 24 | 17 48 | 5 33 |
| S 29 | 22 33 | 4 54 | 5 12 | 25 37 | 2 5 | 22 21 | 2 17 | 26 25 | 2 57 | 13 55 | 1 11 | 21 9 | 0 42 | 23 10 | 0 7 | 12 53 | 0 46 | 8 24 | 17 4 | 23 7 | 23 8 | 2 21 | 17 47 | 5 33 |
| M30 | 22s40 | 1s 8 | 4n48 | 25s30 | 2s 1 | 22s 4 | 2s14 | 26n29 | 3n 0 | 13s51 | 1s11 | 21s 8 | 0s42 | 23n10 | 0n 7 | 12n53 | 0n46 | 8s24 | 17s 3 | 23n 6 | 23n 8 | 2s18 | 17n47 | 5s33 |

Julian Day Number = 2126059.5, Delta T = 17m14s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'00, Lahiri = 11°26'00 Julian Calendar 1 Nov. 1108 == Greg. Calendar 8 Nov. 1108


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# ASTRODIENST EPHEMERIS for the year 1108
# geocentric

## DECEMBER 1108 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 4 33 | 15♐44'12 | 28♎26 | 5♑24 | 2♒43 | 3°R59 | 26♒38 | 29♑ 6 | 18°R20 | 28°R11 | 18°R46 | 19°R 8 | 19♊18 | 5♈43 | 22°R11 | T 1 |
| W 2 | 5 8 30 | 16°45'22 | 12♏51 | 6°34 | 3°47 | 3♋38 | 26°47 | 29°12 | 18♊17 | 28♏10 | 18♈45 | 19♊ 7 | 19°15 | 5°50 | 22♊ 7 | W 2 |
| T 3 | 5 12 26 | 17°46'34 | 27°11 | 7°41 | 4°51 | 3°16 | 26°56 | 29°18 | 18°15 | 28°10 | 18°45 | 19° 7 | 19°11 | 5°56 | 22° 3 | T 3 |
| F 4 | 5 16 23 | 18°47'46 | 11♑22 | 8°43 | 5°55 | 2°54 | 27° 6 | 29°24 | 18°12 | 28°10 | 18°44 | 19°D 7 | 19° 8 | 6° 3 | 21°59 | F 4 |
| S 5 | 5 20 19 | 19°48'58 | 25°18 | 9°40 | 6°58 | 2°32 | 27°15 | 29°30 | 18°10 | 28° 9 | 18°44 | 19°R 7 | 19° 5 | 6°10 | 21°55 | S 5 |
| S 6 | 5 24 16 | 20°50'11 | 8♑56 | 10°31 | 8° 1 | 2° 9 | 27°25 | 29°36 | 18° 7 | 28° 9 | 18°43 | 19° 7 | 19° 2 | 6°16 | 21°51 | S 6 |
| M 7 | 5 28 12 | 21°51'23 | 22°14 | 11°15 | 9° 4 | 1°46 | 27°34 | 29°42 | 18° 4 | 28° 8 | 18°43 | 19° 7 | 18°59 | 6°23 | 21°47 | M 7 |
| T 8 | 5 32 9 | 22°52'36 | 5♒11 | 11°51 | 10° 6 | 1°22 | 27°44 | 29°49 | 18° 2 | 28° 8 | 18°42 | 19° 6 | 18°56 | 6°30 | 21°43 | T 8 |
| W 9 | 5 36 6 | 23°53'49 | 17°49 | 12°19 | 11° 9 | 0°59 | 27°54 | 29°55 | 17°59 | 28° 8 | 18°42 | 19° 6 | 18°52 | 6°37 | 21°39 | W 9 |
| T 10 | 5 40 2 | 24°55'02 | 0♓ 9 | 12°37 | 12°10 | 0°35 | 28° 4 | 0♒ 1 | 17°57 | 28° 7 | 18°41 | 19° 5 | 18°49 | 6°43 | 21°35 | T 10 |
| F 11 | 5 43 59 | 25°56'14 | 12°16 | 12°R44 | 13°11 | 0°11 | 28°14 | 0° 8 | 17°54 | 28° 6 | 18°41 | 19° 5 | 18°46 | 6°50 | 21°32 | F 11 |
| S 12 | 5 47 55 | 26°57'26 | 24°13 | 12°41 | 14°12 | 29♊47 | 28°24 | 0°14 | 17°52 | 28° 6 | 18°41 | 19°D 4 | 18°43 | 6°57 | 21°28 | S 12 |
| S 13 | 5 51 52 | 27°58'38 | 6♈ 6 | 12°25 | 15°13 | 29°23 | 28°35 | 0°20 | 17°49 | 28° 5 | 18°40 | 19° 5 | 18°40 | 7° 3 | 21°24 | S 13 |
| M14 | 5 55 48 | 28°59'50 | 17°58 | 11°58 | 16°13 | 28°59 | 28°45 | 0°27 | 17°47 | 28° 5 | 18°40 | 19° 5 | 18°37 | 7°10 | 21°20 | M14 |
| T 15 | 5 59 45 | 0♉ 1'01 | 29°56 | 11°20 | 17°12 | 28°35 | 28°56 | 0°33 | 17°44 | 28° 4 | 18°40 | 19° 6 | 18°33 | 7°17 | 21°16 | T 15 |
| W16 | 6 3 41 | 1° 2'12 | 12♉ 2 | 10°30 | 18°11 | 28°11 | 29° 7 | 0°40 | 17°42 | 28° 3 | 18°40 | 19° 7 | 18°30 | 7°24 | 21°12 | W16 |
| T 17 | 6 7 38 | 2° 3'23 | 24°20 | 9°30 | 19°10 | 27°48 | 29°17 | 0°47 | 17°39 | 28° 2 | 18°39 | 19° 8 | 18°27 | 7°30 | 21° 8 | T 17 |
| F 18 | 6 11 35 | 3° 4'34 | 6♊55 | 8°21 | 20° 8 | 27°24 | 29°28 | 0°53 | 17°37 | 28° 2 | 18°39 | 19° 9 | 18°24 | 7°37 | 21° 4 | F 18 |
| S 19 | 6 15 31 | 4° 5'44 | 19°46 | 7° 6 | 21° 5 | 27° 1 | 29°39 | 1° 0 | 17°34 | 28° 1 | 18°39 | 19°R10 | 18°21 | 7°44 | 21° 1 | S 19 |
| S 20 | 6 19 28 | 5° 6'54 | 2♋56 | 5°48 | 22° 2 | 26°39 | 29°50 | 1° 7 | 17°32 | 28° 0 | 18°39 | 19° 9 | 18°17 | 7°50 | 20°57 | S 20 |
| M21 | 6 23 24 | 6° 8'04 | 16°23 | 4°27 | 22°58 | 26°16 | 0♓ 2 | 1°13 | 17°29 | 27°59 | 18°39 | 19° 8 | 18°14 | 7°57 | 20°53 | M21 |
| T 22 | 6 27 21 | 7° 9'13 | 0♌ 6 | 3° 8 | 23°54 | 25°54 | 0°13 | 1°20 | 17°27 | 27°58 | 18°39 | 19° 6 | 18°11 | 8° 4 | 20°49 | T 22 |
| W23 | 6 31 17 | 8°10'22 | 14° 1 | 1°53 | 24°49 | 25°33 | 0°25 | 1°27 | 17°25 | 27°57 | 18°39 | 19° 3 | 18° 8 | 8°11 | 20°46 | W23 |
| T 24 | 6 35 14 | 9°11'31 | 28° 6 | 0°43 | 25°44 | 25°12 | 0°36 | 1°34 | 17°22 | 27°56 | 18°38 | 19° 0 | 18° 5 | 8°17 | 20°42 | T 24 |
| F 25 | 6 39 11 | 10°12'40 | 12♍16 | 29♑40 | 26°37 | 24°51 | 0°48 | 1°41 | 17°20 | 27°55 | 18°38 | 18°58 | 18° 2 | 8°24 | 20°38 | F 25 |
| S 26 | 6 43 7 | 11°13'48 | 26°28 | 28°46 | 27°31 | 24°31 | 0°59 | 1°48 | 17°18 | 27°54 | 18°38 | 18°56 | 17°58 | 8°31 | 20°35 | S 26 |
| S 27 | 6 47 4 | 12°14'56 | 10♎40 | 28° 1 | 28°23 | 24°11 | 1°11 | 1°54 | 17°15 | 27°53 | 18°D38 | 18°D55 | 17°55 | 8°37 | 20°31 | S 27 |
| M28 | 6 51 0 | 13°16'04 | 24°49 | 27°25 | 29°15 | 23°53 | 1°23 | 2° 1 | 17°13 | 27°52 | 18°38 | 18°56 | 17°52 | 8°44 | 20°28 | M28 |
| T 29 | 6 54 57 | 14°17'12 | 8♏53 | 26°59 | 0♓ 6 | 23°34 | 1°35 | 2° 8 | 17°11 | 27°51 | 18°38 | 18°57 | 17°49 | 8°51 | 20°24 | T 29 |
| W30 | 6 58 53 | 15°18'19 | 22°52 | 26°42 | 0°56 | 23°17 | 1°47 | 2°15 | 17° 9 | 27°50 | 18°38 | 18°58 | 17°46 | 8°58 | 20°21 | W30 |
| T 31 | 7 2 50 | 16♑19'26 | 6♑42 | 26°D35 | 1♓45 | 23♊ 0 | 1♓59 | 2♒22 | 17♊ 6 | 27♏49 | 18♈39 | 19♊ 0 | 17♊42 | 9♈ 4 | 20♊17 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s47 | 7s 9 | 4n 6 | 25s22 | 1s55 | 21s47 | 2s12 | 26n32 | 3n 2 | 13s48 | 1s11 | 21s 7 | 0s42 | 23n10 | 0n 7 | 12n53 | 0n46 | 8s23 | 17s 3 | 23n 6 | 23n 7 | 2s15 | 17n47 | 5s33 |
| W 2 | 22 54 | 12 47 | 3 8 | 25 12 | 1 49 | 21 29 | 2 9 | 26 35 | 3 5 | 13 45 | 1 11 | 21 6 | 0 42 | 23 10 | 0 7 | 12 54 | 0 46 | 8 23 | 17 3 | 23 6 | 23 7 | 2 12 | 17 46 | 5 34 |
| T 3 | 22 59 | 17 42 | 1 59 | 25 1 | 1 41 | 21 11 | 2 6 | 26 38 | 3 7 | 13 42 | 1 11 | 21 5 | 0 42 | 23 9 | 0 7 | 12 54 | 0 46 | 8 23 | 17 2 | 23 6 | 23 7 | 2 9 | 17 46 | 5 34 |
| F 4 | 23 5 | 21 33 | 0 43 | 24 49 | 1 33 | 20 52 | 2 3 | 26 41 | 3 9 | 13 38 | 1 10 | 21 3 | 0 42 | 23 9 | 0 7 | 12 54 | 0 46 | 8 23 | 17 2 | 23 6 | 23 7 | 2 6 | 17 45 | 5 34 |
| S 5 | 23 10 | 24 2 | 0s34 | 24 35 | 1 23 | 20 32 | 1 59 | 26 43 | 3 11 | 13 35 | 1 10 | 21 2 | 0 42 | 23 9 | 0 7 | 12 54 | 0 47 | 8 23 | 17 2 | 23 6 | 23 6 | 2 3 | 17 45 | 5 34 |
| S 6 | 23 14 | 25 3 | 1 48 | 24 20 | 1 12 | 20 13 | 1 56 | 26 46 | 3 14 | 13 32 | 1 10 | 21 1 | 0 42 | 23 9 | 0 7 | 12 54 | 0 47 | 8 23 | 17 1 | 23 6 | 23 6 | 2 0 | 17 45 | 5 34 |
| M 7 | 23 18 | 24 34 | 2 54 | 24 5 | 1 1 | 19 52 | 1 52 | 26 48 | 3 16 | 13 28 | 1 10 | 21 0 | 0 42 | 23 8 | 0 8 | 12 54 | 0 47 | 8 23 | 17 1 | 23 6 | 23 6 | 1 58 | 17 44 | 5 34 |
| T 8 | 23 22 | 22 45 | 3 49 | 23 49 | 0 47 | 19 32 | 1 48 | 26 50 | 3 18 | 13 25 | 1 10 | 20 58 | 0 42 | 23 8 | 0 8 | 12 55 | 0 47 | 8 23 | 17 1 | 23 6 | 23 5 | 1 55 | 17 44 | 5 34 |
| W 9 | 23 25 | 19 52 | 4 31 | 23 32 | 0 33 | 19 11 | 1 44 | 26 53 | 3 19 | 13 21 | 1 10 | 20 57 | 0 42 | 23 8 | 0 8 | 12 55 | 0 47 | 8 22 | 17 0 | 23 6 | 23 5 | 1 52 | 17 44 | 5 34 |
| T 10 | 23 27 | 16 8 | 5 0 | 23 15 | 0 17 | 18 50 | 1 40 | 26 55 | 3 21 | 13 17 | 1 10 | 20 56 | 0 42 | 23 8 | 0 8 | 12 55 | 0 47 | 8 22 | 17 0 | 23 6 | 23 5 | 1 49 | 17 43 | 5 35 |
| F 11 | 23 30 | 11 50 | 5 15 | 22 57 | 0 1 | 18 28 | 1 36 | 26 56 | 3 23 | 13 14 | 1 9 | 20 54 | 0 42 | 23 8 | 0 8 | 12 55 | 0 47 | 8 22 | 17 0 | 23 6 | 23 5 | 1 46 | 17 43 | 5 35 |
| S 12 | 23 31 | 7 8 | 5 16 | 22 40 | 0n17 | 18 6 | 1 31 | 26 58 | 3 25 | 13 10 | 1 9 | 20 53 | 0 42 | 23 7 | 0 8 | 12 55 | 0 47 | 8 22 | 16 59 | 23 6 | 23 4 | 1 43 | 17 43 | 5 35 |
| S 13 | 23 32 | 2 12 | 5 3 | 22 23 | 0 36 | 17 44 | 1 26 | 26 59 | 3 26 | 13 6 | 1 9 | 20 52 | 0 42 | 23 7 | 0 8 | 12 56 | 0 47 | 8 22 | 16 59 | 23 6 | 23 4 | 1 40 | 17 42 | 5 35 |
| M14 | 23 33 | 2n48 | 4 38 | 22 6 | 0 55 | 17 21 | 1 21 | 27 1 | 3 28 | 13 2 | 1 9 | 20 50 | 0 42 | 23 7 | 0 8 | 12 56 | 0 47 | 8 21 | 16 59 | 23 6 | 23 4 | 1 37 | 17 42 | 5 35 |
| T 15 | 23 33 | 7 45 | 4 0 | 21 50 | 1 15 | 16 58 | 1 16 | 27 2 | 3 29 | 12 59 | 1 9 | 20 49 | 0 42 | 23 7 | 0 8 | 12 56 | 0 47 | 8 21 | 16 58 | 23 6 | 23 4 | 1 34 | 17 42 | 5 35 |
| W16 | 23 33 | 12 29 | 3 11 | 21 34 | 1 34 | 16 35 | 1 11 | 27 3 | 3 30 | 12 55 | 1 9 | 20 48 | 0 42 | 23 6 | 0 8 | 12 56 | 0 47 | 8 21 | 16 58 | 23 6 | 23 3 | 1 31 | 17 42 | 5 35 |
| T 17 | 23 32 | 16 48 | 2 13 | 21 20 | 1 53 | 16 11 | 1 6 | 27 4 | 3 32 | 12 51 | 1 9 | 20 46 | 0 42 | 23 6 | 0 8 | 12 57 | 0 47 | 8 21 | 16 58 | 23 7 | 23 3 | 1 28 | 17 41 | 5 35 |
| F 18 | 23 31 | 20 28 | 1 7 | 21 6 | 2 11 | 15 48 | 1 0 | 27 4 | 3 33 | 12 47 | 1 9 | 20 45 | 0 42 | 23 6 | 0 8 | 12 57 | 0 47 | 8 20 | 16 57 | 23 7 | 23 3 | 1 26 | 17 41 | 5 35 |
| S 19 | 23 29 | 23 13 | 0n 3 | 20 54 | 2 28 | 15 24 | 0 54 | 27 5 | 3 34 | 12 43 | 1 8 | 20 43 | 0 42 | 23 6 | 0 8 | 12 57 | 0 47 | 8 20 | 16 57 | 23 7 | 23 2 | 1 23 | 17 41 | 5 35 |
| S 20 | 23 27 | 24 47 | 1 15 | 20 43 | 2 43 | 15 0 | 0 48 | 27 5 | 3 35 | 12 39 | 1 8 | 20 42 | 0 42 | 23 6 | 0 8 | 12 58 | 0 47 | 8 20 | 16 57 | 23 7 | 23 2 | 1 20 | 17 41 | 5 35 |
| M21 | 23 25 | 24 56 | 2 25 | 20 33 | 2 56 | 14 35 | 0 42 | 27 5 | 3 35 | 12 35 | 1 8 | 20 40 | 0 42 | 23 5 | 0 8 | 12 58 | 0 47 | 8 20 | 16 56 | 23 6 | 23 2 | 1 17 | 17 40 | 5 35 |
| T 22 | 23 22 | 23 36 | 3 27 | 20 25 | 3 6 | 14 11 | 0 36 | 27 5 | 3 36 | 12 31 | 1 8 | 20 39 | 0 42 | 23 5 | 0 8 | 12 58 | 0 47 | 8 19 | 16 56 | 23 6 | 23 2 | 1 14 | 17 40 | 5 35 |
| W23 | 23 18 | 20 49 | 4 18 | 20 18 | 3 14 | 13 46 | 0 29 | 27 5 | 3 37 | 12 26 | 1 8 | 20 37 | 0 43 | 23 5 | 0 8 | 12 59 | 0 47 | 8 19 | 16 56 | 23 6 | 23 1 | 1 11 | 17 40 | 5 35 |
| T 24 | 23 14 | 16 47 | 4 54 | 20 13 | 3 20 | 13 22 | 0 23 | 27 5 | 3 37 | 12 22 | 1 8 | 20 36 | 0 43 | 23 5 | 0 8 | 12 59 | 0 47 | 8 19 | 16 55 | 23 6 | 23 1 | 1 8 | 17 40 | 5 35 |
| F 25 | 23 10 | 11 48 | 5 12 | 20 10 | 3 23 | 12 57 | 0 16 | 27 5 | 3 38 | 12 18 | 1 8 | 20 34 | 0 43 | 23 5 | 0 8 | 12 59 | 0 47 | 8 18 | 16 55 | 23 6 | 23 1 | 1 5 | 17 40 | 5 35 |
| S 26 | 23 5 | 6 10 | 5 12 | 20 9 | 3 24 | 12 32 | 0 9 | 27 4 | 3 38 | 12 14 | 1 8 | 20 33 | 0 43 | 23 4 | 0 8 | 13 0 | 0 47 | 8 18 | 16 54 | 23 5 | 23 0 | 1 2 | 17 39 | 5 35 |
| S 27 | 22 59 | 0 14 | 4 52 | 20 10 | 3 23 | 12 7 | 0 1 | 27 4 | 3 38 | 12 9 | 1 7 | 20 31 | 0 43 | 23 4 | 0 8 | 13 0 | 0 47 | 8 18 | 16 54 | 23 5 | 23 0 | 0 59 | 17 39 | 5 34 |
| M28 | 22 53 | 5s42 | 4 15 | 20 12 | 3 19 | 11 42 | 0n 6 | 27 3 | 3 38 | 12 5 | 1 7 | 20 30 | 0 43 | 23 4 | 0 8 | 13 1 | 0 47 | 8 17 | 16 54 | 23 5 | 23 0 | 0 56 | 17 39 | 5 34 |
| T 29 | 22 47 | 11 20 | 3 23 | 20 16 | 3 15 | 11 17 | 0 14 | 27 2 | 3 39 | 12 1 | 1 7 | 20 28 | 0 43 | 23 4 | 0 8 | 13 1 | 0 47 | 8 17 | 16 53 | 23 6 | 23 0 | 0 53 | 17 39 | 5 34 |
| W30 | 22 40 | 16 20 | 2 19 | 20 22 | 3 9 | 10 51 | 0 22 | 27 1 | 3 39 | 11 56 | 1 7 | 20 27 | 0 43 | 23 3 | 0 8 | 13 1 | 0 47 | 8 17 | 16 53 | 23 6 | 22 59 | 0 50 | 17 39 | 5 34 |
| T 31 | 22s33 | 20s26 | 1n 7 | 20s29 | 3n 2 | 10s26 | 0n30 | 27n 0 | 3n39 | 11s52 | 1s 7 | 20s25 | 0s43 | 23n 3 | 0n 8 | 13n 2 | 0n47 | 8s16 | 16s53 | 23n 6 | 22n59 | 0s47 | 17n39 | 5s34 |

Julian Day Number = 2126089.5, Delta T = 17m14s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'04, Lahiri = 11°26'04 Julian Calendar 1 Dec. 1108 == Greg. Calendar 8 Dec. 1108


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## JANUARY 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 6 46 | 17♉20'33 | 20♐24 | 26♐35 | 2♓33 | 22°R43 | 2♓12 | 2♒29 | 17°R 4 | 27°R48 | 18♈39 | 19°R 0 | 17♊39 | 9♈11 | 20°R14 | F 1 |
| S 2 | 7 10 43 | 18°21'39 | 3♉54 | 26°44 | 3°21 | 22♊28 | 2°24 | 2°37 | 17♊ 2 | 27♌47 | 18°39 | 18♊59 | 17°36 | 9°18 | 20♊11 | S 2 |
| S 3 | 7 14 40 | 19°22'44 | 17°12 | 27° 0 | 4° 7 | 22°13 | 2°36 | 2°44 | 17° 0 | 27°45 | 18°39 | 18°57 | 17°33 | 9°24 | 20° 7 | S 3 |
| M 4 | 7 18 36 | 20°23'49 | 0♒16 | 27°22 | 4°53 | 21°59 | 2°49 | 2°51 | 16°58 | 27°44 | 18°39 | 18°53 | 17°30 | 9°31 | 20° 4 | M 4 |
| T 5 | 7 22 33 | 21°24'52 | 13° 4 | 27°51 | 5°38 | 21°46 | 3° 2 | 2°58 | 16°56 | 27°43 | 18°39 | 18°47 | 17°27 | 9°38 | 20° 1 | T 5 |
| W 6 | 7 26 29 | 22°25'55 | 25°37 | 28°25 | 6°21 | 21°34 | 3°14 | 3° 5 | 16°54 | 27°42 | 18°40 | 18°41 | 17°23 | 9°45 | 19°58 | W 6 |
| T 7 | 7 30 26 | 23°26'56 | 7♓57 | 29° 5 | 7° 4 | 21°22 | 3°27 | 3°12 | 16°52 | 27°40 | 18°40 | 18°35 | 17°20 | 9°51 | 19°55 | T 7 |
| F 8 | 7 34 22 | 24°27'56 | 20° 3 | 29°48 | 7°45 | 21°11 | 3°40 | 3°19 | 16°50 | 27°39 | 18°40 | 18°29 | 17°17 | 9°58 | 19°52 | F 8 |
| S 9 | 7 38 19 | 25°28'55 | 2♈ 1 | 0♉36 | 8°25 | 21° 1 | 3°53 | 3°26 | 16°48 | 27°38 | 18°40 | 18°25 | 17°14 | 10° 5 | 19°49 | S 9 |
| S 10 | 7 42 15 | 26°29'53 | 13°53 | 1°28 | 9° 4 | 20°52 | 4° 6 | 3°34 | 16°47 | 27°36 | 18°41 | 18°22 | 17°11 | 10°11 | 19°46 | S 10 |
| M11 | 7 46 12 | 27°30'49 | 25°44 | 2°23 | 9°42 | 20°44 | 4°19 | 3°41 | 16°45 | 27°35 | 18°41 | 18°D21 | 17° 8 | 10°18 | 19°43 | M11 |
| T 12 | 7 50 9 | 28°31'44 | 7♉40 | 3°22 | 10°18 | 20°36 | 4°32 | 3°48 | 16°43 | 27°33 | 18°41 | 18°22 | 17° 4 | 10°25 | 19°40 | T 12 |
| W13 | 7 54 5 | 29°32'38 | 19°44 | 4°23 | 10°53 | 20°29 | 4°45 | 3°55 | 16°41 | 27°32 | 18°42 | 18°23 | 17° 1 | 10°32 | 19°38 | W13 |
| T 14 | 7 58 2 | 0♒33'31 | 2♊ 3 | 5°26 | 11°26 | 20°23 | 4°58 | 4° 2 | 16°40 | 27°31 | 18°42 | 18°25 | 16°58 | 10°38 | 19°35 | T 14 |
| F 15 | 8 1 58 | 1°34'22 | 14°40 | 6°33 | 11°58 | 20°18 | 5°11 | 4°10 | 16°38 | 27°29 | 18°43 | 18°R26 | 16°55 | 10°45 | 19°32 | F 15 |
| S 16 | 8 5 55 | 2°35'11 | 27°39 | 7°41 | 12°28 | 20°14 | 5°25 | 4°17 | 16°36 | 27°28 | 18°43 | 18°25 | 16°52 | 10°52 | 19°30 | S 16 |
| S 17 | 8 9 51 | 3°35'59 | 11♋ 2 | 8°51 | 12°56 | 20°10 | 5°38 | 4°24 | 16°35 | 27°26 | 18°43 | 18°23 | 16°48 | 10°58 | 19°27 | S 17 |
| M18 | 8 13 48 | 4°36'46 | 24°49 | 10° 3 | 13°23 | 20° 8 | 5°51 | 4°31 | 16°33 | 27°25 | 18°44 | 18°19 | 16°45 | 11° 5 | 19°25 | M18 |
| T 19 | 8 17 44 | 5°37'32 | 8♌57 | 11°17 | 13°49 | 20° 6 | 6° 5 | 4°38 | 16°32 | 27°23 | 18°44 | 18°12 | 16°42 | 11°12 | 19°23 | T 19 |
| W20 | 8 21 41 | 6°38'16 | 23°22 | 12°33 | 14°12 | 20° 4 | 6°18 | 4°46 | 16°31 | 27°22 | 18°45 | 18° 4 | 16°39 | 11°19 | 19°21 | W20 |
| T 21 | 8 25 38 | 7°38'59 | 7♍57 | 13°50 | 14°33 | 20°D 4 | 6°32 | 4°53 | 16°29 | 27°20 | 18°45 | 17°56 | 16°36 | 11°25 | 19°18 | T 21 |
| F 22 | 8 29 34 | 8°39'40 | 22°35 | 15° 8 | 14°53 | 20° 4 | 6°46 | 5° 0 | 16°28 | 27°18 | 18°46 | 17°49 | 16°33 | 11°32 | 19°16 | F 22 |
| S 23 | 8 33 31 | 9°40'20 | 7♎ 9 | 16°28 | 15°10 | 20° 5 | 6°59 | 5° 7 | 16°27 | 27°17 | 18°47 | 17°43 | 16°29 | 11°39 | 19°14 | S 23 |
| S 24 | 8 37 27 | 10°40'59 | 21°34 | 17°49 | 15°25 | 20° 7 | 7°13 | 5°15 | 16°25 | 27°15 | 18°47 | 17°39 | 16°26 | 11°45 | 19°12 | S 24 |
| M25 | 8 41 24 | 11°41'37 | 5♏46 | 19°11 | 15°39 | 20° 9 | 7°27 | 5°22 | 16°24 | 27°14 | 18°48 | 17°D37 | 16°23 | 11°52 | 19°10 | M25 |
| T 26 | 8 45 20 | 12°42'14 | 19°44 | 20°35 | 15°50 | 20°13 | 7°41 | 5°29 | 16°23 | 27°12 | 18°48 | 17°37 | 16°20 | 11°59 | 19° 9 | T 26 |
| W27 | 8 49 17 | 13°42'50 | 3♐27 | 22° 0 | 15°59 | 20°16 | 7°55 | 5°36 | 16°22 | 27°11 | 18°49 | 17°38 | 16°17 | 12° 6 | 19° 7 | W27 |
| T 28 | 8 53 13 | 14°43'24 | 16°57 | 23°26 | 16° 5 | 20°21 | 8° 8 | 5°43 | 16°21 | 27° 9 | 18°50 | 17°R38 | 16°14 | 12°12 | 19° 5 | T 28 |
| F 29 | 8 57 10 | 15°43'57 | 0♑14 | 24°52 | 16° 9 | 20°26 | 8°22 | 5°50 | 16°20 | 27° 7 | 18°51 | 17°38 | 16°10 | 12°19 | 19° 4 | F 29 |
| S 30 | 9 1 7 | 16°44'29 | 13°20 | 26°20 | 16°R11 | 20°32 | 8°36 | 5°58 | 16°19 | 27° 6 | 18°51 | 17°35 | 16° 7 | 12°26 | 19° 2 | S 30 |
| S 31 | 9 5 3 | 17♒44'59 | 26♑15 | 27♑49 | 16♓10 | 20♊39 | 8♓50 | 6♒ 5 | 16♊18 | 27♌ 4 | 18♈52 | 17♊29 | 16♊ 4 | 12♈32 | 19♊ 1 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s25 | 23s20 | 0s 8 | 20s37 | 2n54 | 10s 1 | 0n38 | 26n59 | 3n38 | 11s47 | 1s 7 | 20s24 | 0s43 | 23n 3 | 0n 8 | 13n 2 | 0n47 | 8s16 | 16s52 | 23n 6 | 22n59 | 0s45 | 17n39 | 5s34 |
| S 2 | 22 17 | 24 51 | 1 21 | 20 45 | 2 45 | 9 36 | 0 47 | 26 58 | 3 38 | 11 43 | 1 7 | 20 22 | 0 43 | 23 3 | 0 8 | 13 3 | 0 47 | 8 16 | 16 52 | 23 6 | 22 58 | 0 42 | 17 38 | 5 34 |
| S 3 | 22 9 | 24 53 | 2 28 | 20 55 | 2 36 | 9 11 | 0 55 | 26 57 | 3 38 | 11 38 | 1 7 | 20 21 | 0 43 | 23 3 | 0 8 | 13 3 | 0 47 | 8 15 | 16 52 | 23 6 | 22 58 | 0 39 | 17 38 | 5 34 |
| M 4 | 22 0 | 23 33 | 3 26 | 21 5 | 2 27 | 8 46 | 1 4 | 26 56 | 3 38 | 11 33 | 1 7 | 20 19 | 0 43 | 23 2 | 0 8 | 13 4 | 0 48 | 8 15 | 16 51 | 23 5 | 22 58 | 0 36 | 17 38 | 5 34 |
| T 5 | 21 51 | 21 1 | 4 13 | 21 15 | 2 17 | 8 21 | 1 13 | 26 55 | 3 37 | 11 29 | 1 7 | 20 17 | 0 43 | 23 2 | 0 8 | 13 4 | 0 48 | 8 14 | 16 51 | 23 5 | 22 58 | 0 33 | 17 38 | 5 33 |
| W 6 | 21 41 | 17 31 | 4 46 | 21 26 | 2 7 | 7 57 | 1 23 | 26 53 | 3 37 | 11 24 | 1 7 | 20 16 | 0 43 | 23 2 | 0 8 | 13 5 | 0 48 | 8 14 | 16 50 | 23 4 | 22 57 | 0 30 | 17 38 | 5 33 |
| T 7 | 21 30 | 13 21 | 5 6 | 21 37 | 1 57 | 7 32 | 1 32 | 26 52 | 3 36 | 11 19 | 1 6 | 20 14 | 0 43 | 23 2 | 0 8 | 13 5 | 0 48 | 8 14 | 16 50 | 23 4 | 22 57 | 0 27 | 17 38 | 5 33 |
| F 8 | 21 20 | 8 43 | 5 11 | 21 47 | 1 46 | 7 8 | 1 42 | 26 51 | 3 36 | 11 15 | 1 6 | 20 13 | 0 43 | 23 2 | 0 8 | 13 6 | 0 48 | 8 13 | 16 50 | 23 3 | 22 57 | 0 24 | 17 38 | 5 33 |
| S 9 | 21 9 | 3 49 | 5 2 | 21 57 | 1 36 | 6 44 | 1 52 | 26 49 | 3 35 | 11 10 | 1 6 | 20 11 | 0 43 | 23 2 | 0 8 | 13 6 | 0 48 | 8 13 | 16 49 | 23 3 | 22 56 | 0 21 | 17 38 | 5 33 |
| S 10 | 20 57 | 1n11 | 4 41 | 22 7 | 1 26 | 6 20 | 2 2 | 26 48 | 3 34 | 11 5 | 1 6 | 20 9 | 0 43 | 23 1 | 0 8 | 13 7 | 0 48 | 8 12 | 16 49 | 23 3 | 22 56 | 0 18 | 17 38 | 5 32 |
| M11 | 20 46 | 6 9 | 4 7 | 22 17 | 1 16 | 5 56 | 2 12 | 26 47 | 3 34 | 11 0 | 1 6 | 20 8 | 0 44 | 23 1 | 0 8 | 13 7 | 0 48 | 8 12 | 16 49 | 23 3 | 22 56 | 0 15 | 17 38 | 5 32 |
| T 12 | 20 33 | 10 56 | 3 23 | 22 25 | 1 5 | 5 33 | 2 23 | 26 45 | 3 33 | 10 55 | 1 6 | 20 6 | 0 44 | 23 1 | 0 8 | 13 8 | 0 48 | 8 11 | 16 48 | 23 3 | 22 55 | 0 12 | 17 38 | 5 32 |
| W13 | 20 21 | 15 21 | 2 29 | 22 34 | 0 55 | 5 10 | 2 33 | 26 44 | 3 32 | 10 50 | 1 6 | 20 4 | 0 44 | 23 1 | 0 8 | 13 8 | 0 48 | 8 11 | 16 48 | 23 3 | 22 55 | 0 9 | 17 38 | 5 32 |
| T 14 | 20 8 | 19 14 | 1 28 | 22 41 | 0 46 | 4 47 | 2 44 | 26 43 | 3 31 | 10 45 | 1 6 | 20 3 | 0 44 | 23 1 | 0 8 | 13 9 | 0 48 | 8 10 | 16 48 | 23 3 | 22 55 | 0 6 | 17 38 | 5 32 |
| F 15 | 19 54 | 22 20 | 0 20 | 22 48 | 0 36 | 4 25 | 2 55 | 26 42 | 3 30 | 10 41 | 1 6 | 20 1 | 0 44 | 23 1 | 0 8 | 13 9 | 0 48 | 8 10 | 16 47 | 23 3 | 22 54 | 0 3 | 17 38 | 5 31 |
| S 16 | 19 41 | 24 22 | 0n50 | 22 53 | 0 27 | 4 3 | 3 6 | 26 40 | 3 29 | 10 36 | 1 6 | 19 59 | 0 44 | 23 0 | 0 8 | 13 10 | 0 48 | 8 9 | 16 47 | 23 3 | 22 54 | 0 0 | 17 38 | 5 31 |
| S 17 | 19 27 | 25 4 | 1 59 | 22 58 | 0 17 | 3 41 | 3 18 | 26 39 | 3 28 | 10 31 | 1 6 | 19 58 | 0 44 | 23 0 | 0 8 | 13 10 | 0 48 | 8 9 | 16 47 | 23 3 | 22 54 | 0n 3 | 17 38 | 5 31 |
| M18 | 19 12 | 24 16 | 3 3 | 23 2 | 0 8 | 3 20 | 3 29 | 26 38 | 3 27 | 10 25 | 1 6 | 19 56 | 0 44 | 23 0 | 0 8 | 13 11 | 0 48 | 8 8 | 16 46 | 23 2 | 22 54 | 0 6 | 17 38 | 5 31 |
| T 19 | 18 57 | 21 56 | 3 58 | 23 5 | 0s 1 | 3 0 | 3 41 | 26 37 | 3 26 | 10 20 | 1 6 | 19 54 | 0 44 | 23 0 | 0 8 | 13 11 | 0 48 | 8 8 | 16 46 | 23 2 | 22 53 | 0 9 | 17 38 | 5 30 |
| W20 | 18 42 | 18 11 | 4 39 | 23 7 | 0 9 | 2 40 | 3 53 | 26 36 | 3 25 | 10 15 | 1 6 | 19 53 | 0 44 | 23 0 | 0 8 | 13 12 | 0 48 | 8 7 | 16 45 | 23 1 | 22 53 | 0 12 | 17 38 | 5 30 |
| T 21 | 18 27 | 13 17 | 5 2 | 23 8 | 0 18 | 2 21 | 4 5 | 26 35 | 3 24 | 10 10 | 1 6 | 19 51 | 0 44 | 23 0 | 0 8 | 13 12 | 0 48 | 8 7 | 16 45 | 23 0 | 22 53 | 0 14 | 17 38 | 5 30 |
| F 22 | 18 11 | 7 38 | 5 5 | 23 7 | 0 26 | 2 2 | 4 17 | 26 34 | 3 23 | 10 5 | 1 5 | 19 49 | 0 44 | 23 0 | 0 8 | 13 13 | 0 48 | 8 6 | 16 45 | 23 0 | 22 52 | 0 17 | 17 39 | 5 30 |
| S 23 | 17 55 | 1 35 | 4 49 | 23 5 | 0 34 | 1 44 | 4 29 | 26 33 | 3 22 | 10 0 | 1 5 | 19 48 | 0 44 | 22 59 | 0 8 | 13 14 | 0 48 | 8 6 | 16 44 | 22 59 | 22 52 | 0 20 | 17 39 | 5 29 |
| S 24 | 17 38 | 4s30 | 4 15 | 23 3 | 0 41 | 1 27 | 4 42 | 26 32 | 3 21 | 9 55 | 1 5 | 19 46 | 0 44 | 22 59 | 0 8 | 13 14 | 0 48 | 8 5 | 16 44 | 22 59 | 22 52 | 0 23 | 17 39 | 5 29 |
| M25 | 17 22 | 10 17 | 3 25 | 22 58 | 0 49 | 1 10 | 4 54 | 26 31 | 3 20 | 9 50 | 1 5 | 19 44 | 0 45 | 22 59 | 0 8 | 13 15 | 0 48 | 8 5 | 16 44 | 22 59 | 22 51 | 0 26 | 17 39 | 5 29 |
| T 26 | 17 5 | 15 27 | 2 24 | 22 53 | 0 56 | 0 54 | 5 7 | 26 30 | 3 19 | 9 44 | 1 5 | 19 43 | 0 45 | 22 59 | 0 8 | 13 15 | 0 48 | 8 4 | 16 43 | 22 59 | 22 51 | 0 29 | 17 39 | 5 29 |
| W27 | 16 47 | 19 43 | 1 15 | 22 46 | 1 2 | 0 39 | 5 19 | 26 29 | 3 18 | 9 39 | 1 5 | 19 41 | 0 45 | 22 59 | 0 8 | 13 16 | 0 48 | 8 4 | 16 43 | 22 59 | 22 51 | 0 32 | 17 39 | 5 28 |
| T 28 | 16 30 | 22 51 | 0 4 | 22 39 | 1 9 | 0 25 | 5 32 | 26 28 | 3 16 | 9 34 | 1 5 | 19 39 | 0 45 | 22 59 | 0 8 | 13 16 | 0 48 | 8 3 | 16 43 | 22 59 | 22 50 | 0 35 | 17 39 | 5 28 |
| F 29 | 16 12 | 24 40 | 1s 7 | 22 29 | 1 15 | 0 12 | 5 44 | 26 27 | 3 15 | 9 29 | 1 5 | 19 38 | 0 45 | 22 59 | 0 8 | 13 17 | 0 48 | 8 3 | 16 42 | 22 59 | 22 50 | 0 38 | 17 40 | 5 28 |
| S 30 | 15 54 | 25 5 | 2 13 | 22 19 | 1 21 | 0 0 | 5 56 | 26 27 | 3 14 | 9 23 | 1 5 | 19 36 | 0 45 | 22 59 | 0 8 | 13 18 | 0 48 | 8 2 | 16 42 | 22 58 | 22 50 | 0 41 | 17 40 | 5 27 |
| S 31 | 15s35 | 24s 7 | 3s11 | 22s 7 | 1s27 | 0n11 | 6n 9 | 26n26 | 3n13 | 9s18 | 1s 5 | 19s34 | 0s45 | 22n59 | 0n 8 | 13n18 | 0n48 | 8s 1 | 16s42 | 22n58 | 22n49 | 0n44 | 17n40 | 5s27 |

Julian Day Number = 2126120.5, Delta T = 17m14s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'08, Lahiri = 11°26'08 Julian Calendar 1 Jan. 1109 == Greg. Calendar 8 Jan. 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## FEBRUARY 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 9 0 | 18♒45'28 | 8♒58 | 29♑19 | 16°R 7 | 20♊46 | 9♓ 5 | 6♒12 | 16°R17 | 27°R 2 | 18♈53 | 17°R20 | 16♊ 1 | 12♈39 | 19°R 0 | M 1 |
| T 2 | 9 12 56 | 19°45'55 | 21°32 | 0♒50 | 16♓ 2 | 20°54 | 9°19 | 6°19 | 16♊17 | 27♌ 1 | 18°54 | 17♊10 | 15°58 | 12°46 | 18♊58 | T 2 |
| W 3 | 9 16 53 | 20°46'20 | 3♓54 | 2°22 | 15°53 | 21° 2 | 9°33 | 6°26 | 16°16 | 26°59 | 18°54 | 16°57 | 15°54 | 12°53 | 18°57 | W 3 |
| T 4 | 9 20 49 | 21°46'43 | 16° 6 | 3°56 | 15°43 | 21°11 | 9°47 | 6°33 | 16°15 | 26°57 | 18°55 | 16°45 | 15°51 | 12°59 | 18°56 | T 4 |
| F 5 | 9 24 46 | 22°47'05 | 28° 9 | 5°30 | 15°30 | 21°21 | 10° 1 | 6°40 | 16°15 | 26°56 | 18°56 | 16°33 | 15°48 | 13° 6 | 18°55 | F 5 |
| S 6 | 9 28 42 | 23°47'24 | 10♈ 4 | 7° 5 | 15°14 | 21°31 | 10°15 | 6°47 | 16°14 | 26°54 | 18°57 | 16°23 | 15°45 | 13°13 | 18°54 | S 6 |
| S 7 | 9 32 39 | 24°47'42 | 21°55 | 8°41 | 14°56 | 21°42 | 10°30 | 6°54 | 16°14 | 26°52 | 18°58 | 16°15 | 15°42 | 13°19 | 18°53 | S 7 |
| M 8 | 9 36 36 | 25°47'57 | 3♉44 | 10°18 | 14°35 | 21°54 | 10°44 | 7° 1 | 16°13 | 26°51 | 18°59 | 16°11 | 15°39 | 13°26 | 18°53 | M 8 |
| T 9 | 9 40 32 | 26°48'11 | 15°37 | 11°56 | 14°12 | 22° 6 | 10°58 | 7° 8 | 16°13 | 26°49 | 18°59 | 16° 8 | 15°35 | 13°33 | 18°52 | T 9 |
| W10 | 9 44 29 | 27°48'23 | 27°38 | 13°35 | 13°47 | 22°18 | 11°12 | 7°15 | 16°12 | 26°47 | 19° 0 | 16°D 8 | 15°32 | 13°39 | 18°52 | W10 |
| T 11 | 9 48 25 | 28°48'32 | 9♊53 | 15°15 | 13°20 | 22°31 | 11°27 | 7°22 | 16°12 | 26°46 | 19° 1 | 16°R 8 | 15°29 | 13°46 | 18°51 | T 11 |
| F 12 | 9 52 22 | 29°48'39 | 22°28 | 16°56 | 12°51 | 22°45 | 11°41 | 7°29 | 16°12 | 26°44 | 19° 2 | 16° 8 | 15°26 | 13°53 | 18°51 | F 12 |
| S 13 | 9 56 18 | 0♓48'45 | 5♋26 | 18°38 | 12°20 | 22°59 | 11°56 | 7°36 | 16°12 | 26°42 | 19° 3 | 16° 6 | 15°23 | 14° 0 | 18°50 | S 13 |
| S 14 | 10 0 15 | 1°48'48 | 18°51 | 20°22 | 11°47 | 23°13 | 12°10 | 7°42 | 16°11 | 26°41 | 19° 4 | 16° 3 | 15°20 | 14° 6 | 18°50 | S 14 |
| M15 | 10 4 11 | 2°48'49 | 2♌45 | 22° 6 | 11°13 | 23°28 | 12°24 | 7°49 | 16°11 | 26°39 | 19° 5 | 15°56 | 15°16 | 14°13 | 18°50 | M15 |
| T 16 | 10 8 8 | 3°48'47 | 17° 7 | 23°52 | 10°38 | 23°43 | 12°39 | 7°56 | 16°D11 | 26°37 | 19° 6 | 15°47 | 15°13 | 14°20 | 18°D50 | T 16 |
| W17 | 10 12 5 | 4°48'44 | 1♍51 | 25°38 | 10° 2 | 23°59 | 12°53 | 8° 3 | 16°11 | 26°36 | 19° 7 | 15°36 | 15°10 | 14°26 | 18°50 | W17 |
| T 18 | 10 16 1 | 5°48'39 | 16°49 | 27°26 | 9°24 | 24°16 | 13° 8 | 8° 9 | 16°11 | 26°34 | 19° 8 | 15°25 | 15° 7 | 14°33 | 18°50 | T 18 |
| F 19 | 10 19 58 | 6°48'31 | 1♎53 | 29°15 | 8°47 | 24°32 | 13°22 | 8°16 | 16°12 | 26°32 | 19° 9 | 15°14 | 15° 4 | 14°40 | 18°50 | F 19 |
| S 20 | 10 23 54 | 7°48'22 | 16°53 | 1♓ 5 | 8° 9 | 24°50 | 13°37 | 8°23 | 16°12 | 26°31 | 19°10 | 15° 5 | 15° 0 | 14°47 | 18°51 | S 20 |
| S 21 | 10 27 51 | 8°48'11 | 1♏39 | 2°56 | 7°31 | 25° 7 | 13°51 | 8°29 | 16°12 | 26°29 | 19°12 | 14°59 | 14°57 | 14°53 | 18°51 | S 21 |
| M22 | 10 31 47 | 9°47'59 | 16° 6 | 4°49 | 6°54 | 25°25 | 14° 6 | 8°36 | 16°12 | 26°27 | 19°13 | 14°55 | 14°54 | 15° 0 | 18°51 | M22 |
| T 23 | 10 35 44 | 10°47'44 | 0♐11 | 6°42 | 6°16 | 25°44 | 14°20 | 8°42 | 16°13 | 26°26 | 19°14 | 14°53 | 14°51 | 15° 7 | 18°52 | T 23 |
| W24 | 10 39 40 | 11°47'28 | 13°54 | 8°37 | 5°40 | 26° 2 | 14°35 | 8°49 | 16°13 | 26°24 | 19°15 | 14°53 | 14°48 | 15°13 | 18°53 | W24 |
| T 25 | 10 43 37 | 12°47'11 | 27°17 | 10°32 | 5° 5 | 26°22 | 14°49 | 8°55 | 16°13 | 26°23 | 19°16 | 14°53 | 14°45 | 15°20 | 18°53 | T 25 |
| F 26 | 10 47 34 | 13°46'51 | 10♑21 | 12°29 | 4°31 | 26°41 | 15° 4 | 9° 2 | 16°14 | 26°21 | 19°17 | 14°51 | 14°41 | 15°27 | 18°54 | F 26 |
| S 27 | 10 51 30 | 14°46'30 | 23°11 | 14°27 | 3°58 | 27° 1 | 15°18 | 9° 8 | 16°14 | 26°19 | 19°18 | 14°48 | 14°38 | 15°33 | 18°55 | S 27 |
| S 28 | 10 55 27 | 15♓46'07 | 5♒48 | 16♓26 | 3♓27 | 27♊21 | 15♓33 | 9♒14 | 16♊15 | 26♌18 | 19♈19 | 14♊41 | 14♊35 | 15♈40 | 18♊56 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15s17 | 21s55 | 3s58 | 21s53 | 1s32 | 0n21 | 6n21 | 26n25 | 3n12 | 9s13 | 1s 5 | 19s33 | 0s45 | 22n59 | 0n 8 | 13n19 | 0n48 | 8s 1 | 16s42 | 22n57 | 22n49 | 0n47 | 17n40 | 5s27 |
| T 2 | 14 58 | 18 42 | 4 33 | 21 38 | 1 37 | 0 30 | 6 33 | 26 24 | 3 10 | 9 7 | 1 5 | 19 31 | 0 45 | 22 58 | 0 8 | 13 19 | 0 48 | 8 0 | 16 41 | 22 56 | 22 49 | 0 50 | 17 40 | 5 26 |
| W 3 | 14 38 | 14 42 | 4 55 | 21 22 | 1 41 | 0 38 | 6 45 | 26 24 | 3 9 | 9 2 | 1 5 | 19 29 | 0 45 | 22 58 | 0 8 | 13 20 | 0 48 | 8 0 | 16 41 | 22 55 | 22 48 | 0 53 | 17 41 | 5 26 |
| T 4 | 14 19 | 10 9 | 5 2 | 21 5 | 1 46 | 0 44 | 6 57 | 26 23 | 3 8 | 8 56 | 1 5 | 19 27 | 0 45 | 22 58 | 0 8 | 13 20 | 0 48 | 7 59 | 16 41 | 22 54 | 22 48 | 0 56 | 17 41 | 5 26 |
| F 5 | 13 59 | 5 16 | 4 56 | 20 46 | 1 50 | 0 50 | 7 8 | 26 23 | 3 7 | 8 51 | 1 5 | 19 26 | 0 45 | 22 58 | 0 8 | 13 21 | 0 48 | 7 59 | 16 40 | 22 52 | 22 48 | 0 59 | 17 41 | 5 25 |
| S 6 | 13 39 | 0 14 | 4 37 | 20 25 | 1 53 | 0 54 | 7 19 | 26 22 | 3 6 | 8 46 | 1 5 | 19 24 | 0 46 | 22 58 | 0 8 | 13 22 | 0 48 | 7 58 | 16 40 | 22 51 | 22 47 | 1 2 | 17 41 | 5 25 |
| S 7 | 13 19 | 4n46 | 4 6 | 20 3 | 1 56 | 0 57 | 7 29 | 26 22 | 3 4 | 8 40 | 1 5 | 19 22 | 0 46 | 22 58 | 0 8 | 13 22 | 0 48 | 7 57 | 16 40 | 22 51 | 22 47 | 1 5 | 17 42 | 5 25 |
| M 8 | 12 59 | 9 37 | 3 25 | 19 40 | 1 59 | 0 58 | 7 39 | 26 21 | 3 3 | 8 35 | 1 5 | 19 21 | 0 46 | 22 58 | 0 8 | 13 23 | 0 48 | 7 57 | 16 39 | 22 50 | 22 47 | 1 8 | 17 42 | 5 24 |
| T 9 | 12 38 | 14 8 | 2 35 | 19 15 | 2 2 | 0 58 | 7 49 | 26 21 | 3 2 | 8 29 | 1 5 | 19 19 | 0 46 | 22 58 | 0 8 | 13 23 | 0 48 | 7 56 | 16 39 | 22 50 | 22 46 | 1 11 | 17 42 | 5 24 |
| W10 | 12 18 | 18 10 | 1 37 | 18 48 | 2 4 | 0 57 | 7 58 | 26 20 | 3 1 | 8 24 | 1 5 | 19 17 | 0 46 | 22 58 | 0 8 | 13 24 | 0 48 | 7 56 | 16 39 | 22 50 | 22 46 | 1 14 | 17 42 | 5 24 |
| T 11 | 11 57 | 21 30 | 0 33 | 18 20 | 2 6 | 0 54 | 8 6 | 26 20 | 3 0 | 8 18 | 1 5 | 19 16 | 0 46 | 22 58 | 0 8 | 13 25 | 0 48 | 7 55 | 16 39 | 22 50 | 22 46 | 1 17 | 17 43 | 5 23 |
| F 12 | 11 36 | 23 54 | 0n34 | 17 51 | 2 7 | 0 50 | 8 14 | 26 19 | 2 58 | 8 13 | 1 5 | 19 14 | 0 46 | 22 58 | 0 8 | 13 25 | 0 48 | 7 54 | 16 38 | 22 50 | 22 45 | 1 20 | 17 43 | 5 23 |
| S 13 | 11 14 | 25 7 | 1 40 | 17 20 | 2 8 | 0 45 | 8 21 | 26 19 | 2 57 | 8 7 | 1 5 | 19 12 | 0 46 | 22 58 | 0 8 | 13 26 | 0 48 | 7 54 | 16 38 | 22 50 | 22 45 | 1 23 | 17 43 | 5 23 |
| S 14 | 10 53 | 24 56 | 2 44 | 16 48 | 2 8 | 0 39 | 8 27 | 26 19 | 2 56 | 8 2 | 1 5 | 19 11 | 0 46 | 22 58 | 0 8 | 13 26 | 0 48 | 7 53 | 16 38 | 22 49 | 22 45 | 1 26 | 17 44 | 5 22 |
| M15 | 10 31 | 23 12 | 3 40 | 16 14 | 2 8 | 0 31 | 8 32 | 26 18 | 2 55 | 7 56 | 1 5 | 19 9 | 0 46 | 22 58 | 0 8 | 13 27 | 0 48 | 7 53 | 16 37 | 22 49 | 22 44 | 1 29 | 17 44 | 5 22 |
| T 16 | 10 9 | 19 58 | 4 24 | 15 38 | 2 8 | 0 22 | 8 37 | 26 18 | 2 54 | 7 51 | 1 5 | 19 7 | 0 46 | 22 58 | 0 8 | 13 27 | 0 48 | 7 52 | 16 37 | 22 48 | 22 44 | 1 32 | 17 44 | 5 22 |
| W17 | 9 48 | 15 24 | 4 52 | 15 1 | 2 7 | 0 11 | 8 40 | 26 17 | 2 52 | 7 45 | 1 5 | 19 6 | 0 47 | 22 58 | 0 8 | 13 28 | 0 48 | 7 51 | 16 37 | 22 46 | 22 44 | 1 35 | 17 45 | 5 21 |
| T 18 | 9 25 | 9 50 | 5 0 | 14 23 | 2 5 | 0s 0 | 8 43 | 26 17 | 2 51 | 7 40 | 1 5 | 19 4 | 0 47 | 22 58 | 0 8 | 13 29 | 0 48 | 7 51 | 16 37 | 22 45 | 22 43 | 1 38 | 17 45 | 5 21 |
| F 19 | 9 3 | 3 39 | 4 48 | 13 43 | 2 4 | 0 13 | 8 44 | 26 17 | 2 50 | 7 34 | 1 5 | 19 2 | 0 47 | 22 58 | 0 8 | 13 29 | 0 48 | 7 50 | 16 36 | 22 44 | 22 43 | 1 41 | 17 45 | 5 21 |
| S 20 | 8 41 | 2s43 | 4 16 | 13 2 | 2 1 | 0 26 | 8 45 | 26 16 | 2 49 | 7 28 | 1 5 | 19 1 | 0 47 | 22 58 | 0 8 | 13 30 | 0 48 | 7 50 | 16 36 | 22 43 | 22 42 | 1 44 | 17 46 | 5 20 |
| S 21 | 8 18 | 8 52 | 3 27 | 12 19 | 1 58 | 0 40 | 8 45 | 26 16 | 2 48 | 7 23 | 1 5 | 18 59 | 0 47 | 22 58 | 0 8 | 13 30 | 0 48 | 7 49 | 16 36 | 22 42 | 22 42 | 1 47 | 17 46 | 5 20 |
| M22 | 7 56 | 14 24 | 2 26 | 11 35 | 1 55 | 0 55 | 8 43 | 26 15 | 2 47 | 7 17 | 1 5 | 18 57 | 0 47 | 22 58 | 0 8 | 13 31 | 0 48 | 7 48 | 16 36 | 22 42 | 22 42 | 1 50 | 17 47 | 5 20 |
| T 23 | 7 33 | 19 2 | 1 17 | 10 49 | 1 51 | 1 11 | 8 41 | 26 15 | 2 45 | 7 12 | 1 5 | 18 56 | 0 47 | 22 58 | 0 8 | 13 31 | 0 48 | 7 48 | 16 36 | 22 42 | 22 41 | 1 53 | 17 47 | 5 19 |
| W24 | 7 10 | 22 30 | 0 5 | 10 2 | 1 47 | 1 27 | 8 38 | 26 14 | 2 44 | 7 6 | 1 5 | 18 54 | 0 47 | 22 58 | 0 8 | 13 32 | 0 48 | 7 47 | 16 35 | 22 42 | 22 41 | 1 56 | 17 47 | 5 19 |
| T 25 | 6 48 | 24 37 | 1s 5 | 9 13 | 1 42 | 1 44 | 8 33 | 26 13 | 2 43 | 7 0 | 1 5 | 18 53 | 0 47 | 22 58 | 0 8 | 13 33 | 0 48 | 7 46 | 16 35 | 22 42 | 22 41 | 1 59 | 17 48 | 5 18 |
| F 26 | 6 25 | 25 19 | 2 10 | 8 23 | 1 36 | 2 1 | 8 28 | 26 13 | 2 42 | 6 55 | 1 5 | 18 51 | 0 48 | 22 58 | 0 8 | 13 33 | 0 48 | 7 46 | 16 35 | 22 41 | 22 40 | 2 2 | 17 48 | 5 18 |
| S 27 | 6 1 | 24 38 | 3 7 | 7 32 | 1 30 | 2 18 | 8 22 | 26 12 | 2 41 | 6 49 | 1 5 | 18 49 | 0 48 | 22 58 | 0 8 | 13 34 | 0 48 | 7 45 | 16 35 | 22 41 | 22 40 | 2 5 | 17 49 | 5 18 |
| S 28 | 5s38 | 22s41 | 3s54 | 6s40 | 1s23 | 2s35 | 8n16 | 26n12 | 2n40 | 6s43 | 1s 5 | 18s48 | 0s48 | 22n58 | 0n 8 | 13n34 | 0n48 | 7s45 | 16s34 | 22n40 | 22n40 | 2n 8 | 17n49 | 5s17 |

Julian Day Number = 2126151.5, Delta T = 17m14s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'12, Lahiri = 11°26'13 Julian Calendar 1 Feb. 1109 == Greg. Calendar 8 Feb. 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## MARCH 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 59 23 | 16♓45'42 | 18♒15 | 18♓25 | 2°R58 | 27♊42 | 15♓47 | 9♒21 | 16♊16 | 26°R16 | 19♈21 | 14°R31 | 14♊32 | 15♈47 | 18♊57 | M 1 |
| T 2 | 11 3 20 | 17°45'15 | 0♓32 | 20°25 | 2♓31 | 28° 3 | 16° 2 | 9°27 | 16°16 | 26♌15 | 19°22 | 14♊18 | 14°29 | 15°54 | 18°58 | T 2 |
| W 3 | 11 7 16 | 18°44'46 | 12°42 | 22°26 | 2° 6 | 28°24 | 16°16 | 9°33 | 16°17 | 26°13 | 19°23 | 14° 4 | 14°26 | 16° 0 | 18°59 | W 3 |
| T 4 | 11 11 13 | 19°44'15 | 24°45 | 24°28 | 1°43 | 28°46 | 16°31 | 9°39 | 16°18 | 26°12 | 19°24 | 13°50 | 14°22 | 16° 7 | 19° 1 | T 4 |
| F 5 | 11 15 9 | 20°43'42 | 6♈41 | 26°29 | 1°22 | 29° 7 | 16°45 | 9°45 | 16°19 | 26°10 | 19°26 | 13°36 | 14°19 | 16°14 | 19° 2 | F 5 |
| S 6 | 11 19 6 | 21°43'07 | 18°33 | 28°31 | 1° 3 | 29°30 | 17° 0 | 9°51 | 16°20 | 26° 9 | 19°27 | 13°24 | 14°16 | 16°20 | 19° 3 | S 6 |
| S 7 | 11 23 3 | 22°42'29 | 0♉23 | 0♈32 | 0°47 | 29°52 | 17°14 | 9°57 | 16°21 | 26° 7 | 19°28 | 13°14 | 14°13 | 16°27 | 19° 5 | S 7 |
| M 8 | 11 26 59 | 23°41'49 | 12°12 | 2°33 | 0°34 | 0♋15 | 17°29 | 10° 3 | 16°22 | 26° 6 | 19°29 | 13° 8 | 14°10 | 16°34 | 19° 7 | M 8 |
| T 9 | 11 30 56 | 24°41'07 | 24° 4 | 4°33 | 0°23 | 0°38 | 17°43 | 10° 9 | 16°23 | 26° 4 | 19°31 | 13° 4 | 14° 6 | 16°40 | 19° 8 | T 9 |
| W10 | 11 34 52 | 25°40'23 | 6♊ 4 | 6°32 | 0°14 | 1° 1 | 17°58 | 10°15 | 16°24 | 26° 3 | 19°32 | 13° 3 | 14° 3 | 16°47 | 19°10 | W10 |
| T 11 | 11 38 49 | 26°39'36 | 18°17 | 8°30 | 0° 7 | 1°25 | 18°12 | 10°20 | 16°25 | 26° 2 | 19°33 | 13°D 3 | 14° 0 | 16°54 | 19°12 | T 11 |
| F 12 | 11 42 45 | 27°38'48 | 0♋48 | 10°25 | 0° 4 | 1°49 | 18°26 | 10°26 | 16°26 | 26° 0 | 19°34 | 13°R 3 | 13°57 | 17° 1 | 19°14 | F 12 |
| S 13 | 11 46 42 | 28°37'56 | 13°41 | 12°19 | 0°D 2 | 2°13 | 18°41 | 10°32 | 16°28 | 25°59 | 19°36 | 13° 2 | 13°54 | 17° 7 | 19°16 | S 13 |
| S 14 | 11 50 38 | 29°37'03 | 27° 1 | 14° 9 | 0° 3 | 2°38 | 18°55 | 10°37 | 16°29 | 25°57 | 19°37 | 12°59 | 13°51 | 17°14 | 19°18 | S 14 |
| M15 | 11 54 35 | 0♈36'07 | 10♌51 | 15°57 | 0° 6 | 3° 2 | 19°10 | 10°43 | 16°30 | 25°56 | 19°38 | 12°54 | 13°47 | 17°21 | 19°20 | M15 |
| T 16 | 11 58 31 | 1°35'08 | 25°11 | 17°41 | 0°12 | 3°27 | 19°24 | 10°48 | 16°32 | 25°55 | 19°40 | 12°46 | 13°44 | 17°27 | 19°23 | T 16 |
| W17 | 12 2 28 | 2°34'08 | 9♍57 | 19°21 | 0°20 | 3°52 | 19°38 | 10°54 | 16°33 | 25°54 | 19°41 | 12°37 | 13°41 | 17°34 | 19°25 | W17 |
| T 18 | 12 6 25 | 3°33'05 | 25° 4 | 20°57 | 0°30 | 4°18 | 19°53 | 10°59 | 16°35 | 25°52 | 19°42 | 12°27 | 13°38 | 17°41 | 19°27 | T 18 |
| F 19 | 12 10 21 | 4°32'00 | 10♎21 | 22°29 | 0°42 | 4°43 | 20° 7 | 11° 4 | 16°36 | 25°51 | 19°44 | 12°17 | 13°35 | 17°47 | 19°30 | F 19 |
| S 20 | 12 14 18 | 5°30'53 | 25°37 | 23°56 | 0°56 | 5° 9 | 20°21 | 11° 9 | 16°38 | 25°50 | 19°45 | 12° 9 | 13°31 | 17°54 | 19°32 | S 20 |
| S 21 | 12 18 14 | 6°29'44 | 10♏41 | 25°18 | 1°12 | 5°35 | 20°35 | 11°15 | 16°40 | 25°49 | 19°46 | 12° 3 | 13°28 | 18° 1 | 19°35 | S 21 |
| M22 | 12 22 11 | 7°28'33 | 25°25 | 26°35 | 1°31 | 6° 2 | 20°49 | 11°20 | 16°41 | 25°47 | 19°48 | 12° 0 | 13°25 | 18° 8 | 19°38 | M22 |
| T 23 | 12 26 7 | 8°27'20 | 9♐45 | 27°46 | 1°51 | 6°28 | 21° 4 | 11°25 | 16°43 | 25°46 | 19°49 | 11°D59 | 13°22 | 18°14 | 19°40 | T 23 |
| W24 | 12 30 4 | 9°26'06 | 23°38 | 28°52 | 2°13 | 6°55 | 21°18 | 11°30 | 16°45 | 25°45 | 19°50 | 11°59 | 13°19 | 18°21 | 19°43 | W24 |
| T 25 | 12 34 0 | 10°24'50 | 7♑ 5 | 29°52 | 2°36 | 7°22 | 21°32 | 11°34 | 16°47 | 25°44 | 19°52 | 11°R59 | 13°16 | 18°28 | 19°46 | T 25 |
| F 26 | 12 37 57 | 11°23'33 | 20° 9 | 0♉46 | 3° 2 | 7°49 | 21°46 | 11°39 | 16°49 | 25°43 | 19°53 | 11°59 | 13°12 | 18°34 | 19°49 | F 26 |
| S 27 | 12 41 54 | 12°22'13 | 2♒54 | 1°35 | 3°29 | 8°16 | 22° 0 | 11°44 | 16°51 | 25°42 | 19°55 | 11°57 | 13° 9 | 18°41 | 19°52 | S 27 |
| S 28 | 12 45 50 | 13°20'52 | 15°22 | 2°17 | 3°58 | 8°43 | 22°14 | 11°49 | 16°53 | 25°41 | 19°56 | 11°53 | 13° 6 | 18°48 | 19°55 | S 28 |
| M29 | 12 49 47 | 14°19'29 | 27°39 | 2°54 | 4°28 | 9°11 | 22°28 | 11°53 | 16°55 | 25°40 | 19°57 | 11°46 | 13° 3 | 18°54 | 19°59 | M29 |
| T 30 | 12 53 43 | 15°18'04 | 9♓45 | 3°24 | 4°59 | 9°39 | 22°42 | 11°58 | 16°57 | 25°39 | 19°59 | 11°37 | 13° 0 | 19° 1 | 20° 2 | T 30 |
| W31 | 12 57 40 | 16♈16'38 | 21♓45 | 3♉48 | 5♓32 | 10♋ 7 | 22♓56 | 12♒ 2 | 16♊59 | 25♌38 | 20♈ 0 | 11♊27 | 12♊57 | 19♈ 8 | 20♊ 5 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s15 | 19s42 | 4s29 | 5s46 | 1s16 | 2s52 | 8n 8 | 26n11 | 2n39 | 6s38 | 1s 5 | 18s46 | 0s48 | 22n58 | 0n 8 | 13n35 | 0n48 | 7s44 | 16s34 | 22n39 | 22n39 | 2n11 | 17n50 | 5s17 |
| T 2 | 4 52 | 15 52 | 4 51 | 4 52 | 1 9 | 3 9 | 8 0 | 26 10 | 2 38 | 6 32 | 1 5 | 18 45 | 0 48 | 22 59 | 0 8 | 13 35 | 0 48 | 7 43 | 16 34 | 22 38 | 22 39 | 2 14 | 17 50 | 5 17 |
| W 3 | 4 28 | 11 26 | 4 59 | 3 56 | 1 0 | 3 26 | 7 51 | 26 9 | 2 37 | 6 27 | 1 5 | 18 43 | 0 48 | 22 59 | 0 8 | 13 36 | 0 48 | 7 43 | 16 34 | 22 36 | 22 38 | 2 17 | 17 50 | 5 16 |
| T 4 | 4 5 | 6 35 | 4 54 | 3 0 | 0 51 | 3 43 | 7 42 | 26 8 | 2 35 | 6 21 | 1 5 | 18 42 | 0 48 | 22 59 | 0 8 | 13 36 | 0 48 | 7 42 | 16 34 | 22 34 | 22 38 | 2 20 | 17 51 | 5 16 |
| F 5 | 3 42 | 1 33 | 4 36 | 2 3 | 0 42 | 4 0 | 7 32 | 26 7 | 2 34 | 6 15 | 1 5 | 18 40 | 0 48 | 22 59 | 0 8 | 13 37 | 0 48 | 7 41 | 16 33 | 22 33 | 22 38 | 2 23 | 17 51 | 5 16 |
| S 6 | 3 18 | 3n31 | 4 6 | 1 5 | 0 32 | 4 16 | 7 22 | 26 7 | 2 33 | 6 10 | 1 5 | 18 39 | 0 48 | 22 59 | 0 8 | 13 37 | 0 48 | 7 41 | 16 33 | 22 31 | 22 37 | 2 26 | 17 52 | 5 15 |
| S 7 | 2 54 | 8 27 | 3 25 | 0 7 | 0 22 | 4 31 | 7 11 | 26 6 | 2 32 | 6 4 | 1 5 | 18 37 | 0 49 | 22 59 | 0 8 | 13 38 | 0 48 | 7 40 | 16 33 | 22 30 | 22 37 | 2 29 | 17 52 | 5 15 |
| M 8 | 2 31 | 13 6 | 2 35 | 0n51 | 0 11 | 4 46 | 7 0 | 26 4 | 2 31 | 5 58 | 1 5 | 18 36 | 0 49 | 22 59 | 0 8 | 13 38 | 0 48 | 7 40 | 16 33 | 22 29 | 22 37 | 2 32 | 17 53 | 5 15 |
| T 9 | 2 7 | 17 17 | 1 39 | 1 49 | 0 0 | 5 1 | 6 49 | 26 3 | 2 30 | 5 53 | 1 5 | 18 34 | 0 49 | 22 59 | 0 8 | 13 39 | 0 48 | 7 39 | 16 33 | 22 29 | 22 36 | 2 35 | 17 53 | 5 14 |
| W10 | 1 44 | 20 49 | 0 37 | 2 47 | 0n11 | 5 15 | 6 37 | 26 2 | 2 29 | 5 47 | 1 5 | 18 33 | 0 49 | 22 59 | 0 8 | 13 39 | 0 48 | 7 38 | 16 33 | 22 28 | 22 36 | 2 38 | 17 54 | 5 14 |
| T 11 | 1 20 | 23 30 | 0n28 | 3 44 | 0 23 | 5 28 | 6 25 | 26 1 | 2 28 | 5 41 | 1 5 | 18 31 | 0 49 | 22 59 | 0 8 | 13 40 | 0 48 | 7 38 | 16 33 | 22 28 | 22 35 | 2 41 | 17 54 | 5 14 |
| F 12 | 0 56 | 25 6 | 1 33 | 4 41 | 0 35 | 5 40 | 6 14 | 26 0 | 2 27 | 5 36 | 1 6 | 18 30 | 0 49 | 23 0 | 0 8 | 13 40 | 0 48 | 7 37 | 16 32 | 22 28 | 22 35 | 2 44 | 17 55 | 5 13 |
| S 13 | 0 33 | 25 25 | 2 35 | 5 36 | 0 47 | 5 52 | 6 1 | 25 58 | 2 26 | 5 30 | 1 6 | 18 29 | 0 49 | 23 0 | 0 8 | 13 41 | 0 48 | 7 37 | 16 32 | 22 28 | 22 35 | 2 47 | 17 55 | 5 13 |
| S 14 | 0 9 | 24 18 | 3 31 | 6 30 | 0 59 | 6 3 | 5 49 | 25 57 | 2 25 | 5 25 | 1 6 | 18 27 | 0 50 | 23 0 | 0 8 | 13 41 | 0 48 | 7 36 | 16 32 | 22 28 | 22 34 | 2 50 | 17 56 | 5 13 |
| M15 | 0n14 | 21 42 | 4 17 | 7 23 | 1 10 | 6 14 | 5 37 | 25 55 | 2 24 | 5 19 | 1 6 | 18 26 | 0 50 | 23 0 | 0 8 | 13 42 | 0 48 | 7 35 | 16 32 | 22 27 | 22 34 | 2 53 | 17 56 | 5 12 |
| T 16 | 0 38 | 17 42 | 4 48 | 8 14 | 1 22 | 6 23 | 5 25 | 25 53 | 2 23 | 5 13 | 1 6 | 18 24 | 0 50 | 23 0 | 0 8 | 13 42 | 0 48 | 7 35 | 16 32 | 22 26 | 22 34 | 2 56 | 17 57 | 5 12 |
| W17 | 1 2 | 12 31 | 5 2 | 9 3 | 1 33 | 6 32 | 5 13 | 25 52 | 2 22 | 5 8 | 1 6 | 18 23 | 0 50 | 23 0 | 0 8 | 13 42 | 0 48 | 7 34 | 16 32 | 22 25 | 22 33 | 2 59 | 17 57 | 5 12 |
| T 18 | 1 25 | 6 28 | 4 55 | 9 50 | 1 45 | 6 40 | 5 1 | 25 50 | 2 21 | 5 2 | 1 6 | 18 22 | 0 50 | 23 0 | 0 8 | 13 43 | 0 48 | 7 34 | 16 32 | 22 24 | 22 33 | 3 2 | 17 58 | 5 11 |
| F 19 | 1 49 | 0s 2 | 4 27 | 10 34 | 1 55 | 6 47 | 4 48 | 25 48 | 2 20 | 4 57 | 1 6 | 18 20 | 0 50 | 23 1 | 0 8 | 13 43 | 0 48 | 7 33 | 16 32 | 22 23 | 22 32 | 3 5 | 17 58 | 5 11 |
| S 20 | 2 12 | 6 32 | 3 40 | 11 16 | 2 5 | 6 53 | 4 36 | 25 46 | 2 19 | 4 51 | 1 6 | 18 19 | 0 50 | 23 1 | 0 8 | 13 44 | 0 48 | 7 32 | 16 31 | 22 21 | 22 32 | 3 8 | 17 59 | 5 11 |
| S 21 | 2 35 | 12 36 | 2 38 | 11 55 | 2 15 | 6 59 | 4 24 | 25 44 | 2 18 | 4 46 | 1 6 | 18 18 | 0 50 | 23 1 | 0 8 | 13 44 | 0 48 | 7 32 | 16 31 | 22 21 | 22 32 | 3 11 | 17 59 | 5 10 |
| M22 | 2 59 | 17 48 | 1 27 | 12 32 | 2 24 | 7 3 | 4 13 | 25 42 | 2 17 | 4 40 | 1 6 | 18 16 | 0 51 | 23 1 | 0 8 | 13 44 | 0 48 | 7 31 | 16 31 | 22 20 | 22 31 | 3 14 | 18 0 | 5 10 |
| T 23 | 3 22 | 21 49 | 0 12 | 13 5 | 2 32 | 7 7 | 4 1 | 25 40 | 2 16 | 4 34 | 1 6 | 18 15 | 0 51 | 23 1 | 0 8 | 13 45 | 0 48 | 7 31 | 16 31 | 22 20 | 22 31 | 3 17 | 18 0 | 5 10 |
| W24 | 3 45 | 24 26 | 1s 2 | 13 36 | 2 39 | 7 10 | 3 49 | 25 37 | 2 15 | 4 29 | 1 6 | 18 14 | 0 51 | 23 1 | 0 8 | 13 45 | 0 48 | 7 30 | 16 31 | 22 20 | 22 30 | 3 20 | 18 1 | 5 9 |
| T 25 | 4 9 | 25 32 | 2 10 | 14 4 | 2 46 | 7 12 | 3 38 | 25 35 | 2 14 | 4 23 | 1 6 | 18 13 | 0 51 | 23 2 | 0 8 | 13 46 | 0 48 | 7 30 | 16 31 | 22 20 | 22 30 | 3 23 | 18 1 | 5 9 |
| F 26 | 4 32 | 25 9 | 3 9 | 14 28 | 2 51 | 7 14 | 3 26 | 25 32 | 2 13 | 4 18 | 1 6 | 18 12 | 0 51 | 23 2 | 0 8 | 13 46 | 0 48 | 7 29 | 16 31 | 22 20 | 22 30 | 3 26 | 18 2 | 5 9 |
| S 27 | 4 55 | 23 27 | 3 57 | 14 49 | 2 56 | 7 15 | 3 15 | 25 30 | 2 12 | 4 12 | 1 7 | 18 10 | 0 51 | 23 2 | 0 8 | 13 46 | 0 48 | 7 29 | 16 31 | 22 20 | 22 29 | 3 29 | 18 3 | 5 8 |
| S 28 | 5 18 | 20 39 | 4 33 | 15 8 | 2 59 | 7 14 | 3 4 | 25 27 | 2 11 | 4 7 | 1 7 | 18 9 | 0 51 | 23 2 | 0 8 | 13 47 | 0 48 | 7 28 | 16 31 | 22 19 | 22 29 | 3 32 | 18 3 | 5 8 |
| M29 | 5 40 | 16 58 | 4 56 | 15 22 | 3 2 | 7 14 | 2 54 | 25 24 | 2 10 | 4 1 | 1 7 | 18 8 | 0 52 | 23 2 | 0 8 | 13 47 | 0 48 | 7 27 | 16 31 | 22 18 | 22 28 | 3 35 | 18 4 | 5 8 |
| T 30 | 6 3 | 12 38 | 5 4 | 15 34 | 3 3 | 7 12 | 2 43 | 25 21 | 2 9 | 3 56 | 1 7 | 18 7 | 0 52 | 23 3 | 0 8 | 13 47 | 0 48 | 7 27 | 16 31 | 22 17 | 22 28 | 3 38 | 18 4 | 5 7 |
| W31 | 6n26 | 7s52 | 5s 0 | 15n42 | 3n 3 | 7s10 | 2n33 | 25n18 | 2n 8 | 3s50 | 1s 7 | 18s 6 | 0s52 | 23n 3 | 0n 8 | 13n48 | 0n48 | 7s26 | 16s31 | 22n16 | 22n28 | 3n41 | 18n 5 | 5s 7 |

Julian Day Number = 2126179.5, Delta T = 17m13s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'16, Lahiri = 11°26'16 Julian Calendar 1 March 1109 == Greg. Calendar 8 March 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## APRIL 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 1 36 | 17♈15'09 | 3♈40 | 4♉ 6 | 6♓ 7 | 10♋35 | 23♓10 | 12♒ 6 | 17♊ 1 | 25°R37 | 20♈ 1 | 11°R16 | 12♊53 | 19♈15 | 20♊ 9 | T 1 |
| F 2 | 13 5 33 | 18°13'39 | 15°32 | 4°18 | 6°42 | 11° 3 | 23°24 | 12°11 | 17° 3 | 25♎36 | 20° 3 | 11♊ 6 | 12°50 | 19°21 | 20°12 | F 2 |
| S 3 | 13 9 29 | 19°12'07 | 27°22 | 4°25 | 7°19 | 11°32 | 23°37 | 12°15 | 17° 5 | 25°35 | 20° 4 | 10°57 | 12°47 | 19°28 | 20°16 | S 3 |
| S 4 | 13 13 26 | 20°10'33 | 9♉12 | 4°R25 | 7°57 | 12° 1 | 23°51 | 12°19 | 17° 8 | 25°35 | 20° 6 | 10°50 | 12°44 | 19°35 | 20°19 | S 4 |
| M 5 | 13 17 23 | 21° 8'56 | 21° 4 | 4°20 | 8°36 | 12°29 | 24° 5 | 12°23 | 17°10 | 25°34 | 20° 7 | 10°46 | 12°41 | 19°41 | 20°23 | M 5 |
| T 6 | 13 21 19 | 22° 7'18 | 3♊ 1 | 4° 9 | 9°17 | 12°58 | 24°18 | 12°27 | 17°12 | 25°33 | 20° 8 | 10°44 | 12°37 | 19°48 | 20°27 | T 6 |
| W 7 | 13 25 16 | 23° 5'38 | 15° 5 | 3°53 | 9°58 | 13°28 | 24°32 | 12°31 | 17°15 | 25°32 | 20°10 | 10°D43 | 12°34 | 19°55 | 20°30 | W 7 |
| T 8 | 13 29 12 | 24° 3'56 | 27°21 | 3°33 | 10°40 | 13°57 | 24°46 | 12°35 | 17°17 | 25°32 | 20°11 | 10°44 | 12°31 | 20° 1 | 20°34 | T 8 |
| F 9 | 13 33 9 | 25° 2'12 | 9♋52 | 3° 9 | 11°24 | 14°26 | 24°59 | 12°38 | 17°20 | 25°31 | 20°12 | 10°46 | 12°28 | 20° 8 | 20°38 | F 9 |
| S 10 | 13 37 5 | 26° 0'26 | 22°43 | 2°40 | 12° 8 | 14°56 | 25°13 | 12°42 | 17°22 | 25°30 | 20°14 | 10°R47 | 12°25 | 20°15 | 20°42 | S 10 |
| S 11 | 13 41 2 | 26°58'38 | 5♌58 | 2° 9 | 12°53 | 15°26 | 25°26 | 12°46 | 17°25 | 25°30 | 20°15 | 10°46 | 12°22 | 20°21 | 20°46 | S 11 |
| M12 | 13 44 58 | 27°56'47 | 19°40 | 1°35 | 13°39 | 15°56 | 25°39 | 12°49 | 17°27 | 25°29 | 20°17 | 10°44 | 12°18 | 20°28 | 20°50 | M12 |
| T 13 | 13 48 55 | 28°54'55 | 3♍50 | 0°59 | 14°26 | 16°26 | 25°53 | 12°52 | 17°30 | 25°28 | 20°18 | 10°41 | 12°15 | 20°35 | 20°54 | T 13 |
| W14 | 13 52 52 | 29°53'00 | 18°26 | 0°21 | 15°13 | 16°56 | 26° 6 | 12°56 | 17°33 | 25°28 | 20°19 | 10°35 | 12°12 | 20°42 | 20°59 | W14 |
| T 15 | 13 56 48 | 0♉51'04 | 3♎24 | 29♈43 | 16° 2 | 17°26 | 26°19 | 12°59 | 17°35 | 25°27 | 20°21 | 10°30 | 12° 9 | 20°48 | 21° 3 | T 15 |
| F 16 | 14 0 45 | 1°49'06 | 18°36 | 29° 5 | 16°51 | 17°56 | 26°32 | 13° 2 | 17°38 | 25°27 | 20°22 | 10°24 | 12° 6 | 20°55 | 21° 7 | F 16 |
| S 17 | 14 4 41 | 2°47'06 | 3♏52 | 28°28 | 17°41 | 18°27 | 26°45 | 13° 5 | 17°41 | 25°26 | 20°23 | 10°19 | 12° 3 | 21° 2 | 21°12 | S 17 |
| S 18 | 14 8 38 | 3°45'04 | 19° 1 | 27°52 | 18°31 | 18°58 | 26°58 | 13° 8 | 17°44 | 25°26 | 20°25 | 10°16 | 11°59 | 21° 8 | 21°16 | S 18 |
| M19 | 14 12 34 | 4°43'01 | 3♐54 | 27°18 | 19°23 | 19°28 | 27°11 | 13°11 | 17°46 | 25°26 | 20°26 | 10°D15 | 11°56 | 21°15 | 21°20 | M19 |
| T 20 | 14 16 31 | 5°40'56 | 18°24 | 26°47 | 20°14 | 19°59 | 27°24 | 13°14 | 17°49 | 25°25 | 20°28 | 10°15 | 11°53 | 21°22 | 21°25 | T 20 |
| W21 | 14 20 27 | 6°38'50 | 2♑28 | 26°19 | 21° 7 | 20°30 | 27°37 | 13°16 | 17°52 | 25°25 | 20°29 | 10°16 | 11°50 | 21°28 | 21°30 | W21 |
| T 22 | 14 24 24 | 7°36'43 | 16° 5 | 25°54 | 22° 0 | 21° 1 | 27°50 | 13°19 | 17°55 | 25°25 | 20°30 | 10°17 | 11°47 | 21°35 | 21°34 | T 22 |
| F 23 | 14 28 21 | 8°34'35 | 29°15 | 25°33 | 22°54 | 21°33 | 28° 2 | 13°21 | 17°58 | 25°24 | 20°32 | 10°19 | 11°43 | 21°42 | 21°39 | F 23 |
| S 24 | 14 32 17 | 9°32'25 | 12♒ 3 | 25°16 | 23°48 | 22° 4 | 28°15 | 13°24 | 18° 1 | 25°24 | 20°33 | 10°R19 | 11°40 | 21°48 | 21°44 | S 24 |
| S 25 | 14 36 14 | 10°30'14 | 24°31 | 25° 3 | 24°42 | 22°36 | 28°28 | 13°26 | 18° 4 | 25°24 | 20°34 | 10°18 | 11°37 | 21°55 | 21°48 | S 25 |
| M26 | 14 40 10 | 11°28'01 | 6♓45 | 24°54 | 25°38 | 23° 7 | 28°40 | 13°28 | 18° 7 | 25°24 | 20°35 | 10°16 | 11°34 | 22° 2 | 21°53 | M26 |
| T 27 | 14 44 7 | 12°25'48 | 18°47 | 24°D50 | 26°33 | 23°39 | 28°52 | 13°30 | 18°10 | 25°24 | 20°37 | 10°12 | 11°31 | 22° 9 | 21°58 | T 27 |
| W28 | 14 48 3 | 13°23'33 | 0♈42 | 24°51 | 27°29 | 24°11 | 29° 5 | 13°33 | 18°13 | 25°24 | 20°38 | 10° 8 | 11°28 | 22°15 | 22° 3 | W28 |
| T 29 | 14 52 0 | 14°21'17 | 12°33 | 24°56 | 28°26 | 24°43 | 29°17 | 13°34 | 18°16 | 25°24 | 20°39 | 10° 4 | 11°24 | 22°22 | 22° 8 | T 29 |
| F 30 | 14 55 56 | 15♉19'00 | 24♈22 | 25♈ 6 | 29♓23 | 25♋15 | 29♓29 | 13♒36 | 18♊19 | 25°D24 | 20♈41 | 10♊ 0 | 11♊21 | 22♈29 | 22♊13 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 6n48 | 2s51 | 4s42 | 15n47 | 3n 1 | 7s 6 | 2n22 | 25n15 | 2n 8 | 3s45 | 1s 7 | 18s 5 | 0s52 | 23n 3 | 0n 8 | 13n48 | 0n48 | 7s26 | 16s31 | 22n14 | 22n27 | 3n44 | 18n 5 | 5s 7 | T 1 |
| F 2 | 7 11 | 2n16 | 4 12 | 15 49 | 2 59 | 7 3 | 2 12 | 25 12 | 2 7 | 3 40 | 1 7 | 18 4 | 0 52 | 23 3 | 0 8 | 13 48 | 0 48 | 7 25 | 16 31 | 22 13 | 22 27 | 3 47 | 18 6 | 5 7 | F 2 |
| S 3 | 7 33 | 7 18 | 3 31 | 15 47 | 2 55 | 6 58 | 2 3 | 25 8 | 2 6 | 3 34 | 1 7 | 18 3 | 0 52 | 23 4 | 0 8 | 13 48 | 0 48 | 7 25 | 16 31 | 22 12 | 22 26 | 3 50 | 18 6 | 5 6 | S 3 |
| S 4 | 7 55 | 12 5 | 2 41 | 15 43 | 2 49 | 6 53 | 1 53 | 25 5 | 2 5 | 3 29 | 1 7 | 18 2 | 0 52 | 23 4 | 0 8 | 13 49 | 0 48 | 7 24 | 16 31 | 22 11 | 22 26 | 3 53 | 18 7 | 5 6 | S 4 |
| M 5 | 8 17 | 16 26 | 1 44 | 15 35 | 2 43 | 6 47 | 1 43 | 25 1 | 2 4 | 3 24 | 1 7 | 18 1 | 0 53 | 23 4 | 0 8 | 13 49 | 0 48 | 7 24 | 16 31 | 22 10 | 22 26 | 3 56 | 18 7 | 5 6 | M 5 |
| T 6 | 8 39 | 20 11 | 0 42 | 15 23 | 2 35 | 6 40 | 1 34 | 24 58 | 2 3 | 3 18 | 1 7 | 18 0 | 0 53 | 23 4 | 0 8 | 13 49 | 0 48 | 7 23 | 16 31 | 22 10 | 22 25 | 3 59 | 18 8 | 5 5 | T 6 |
| W 7 | 9 1 | 23 6 | 0n24 | 15 9 | 2 26 | 6 33 | 1 25 | 24 54 | 2 2 | 3 13 | 1 8 | 17 59 | 0 53 | 23 4 | 0 8 | 13 49 | 0 48 | 7 23 | 16 31 | 22 10 | 22 25 | 4 2 | 18 8 | 5 5 | W 7 |
| T 8 | 9 23 | 25 0 | 1 29 | 14 52 | 2 15 | 6 25 | 1 16 | 24 50 | 2 1 | 3 8 | 1 8 | 17 58 | 0 53 | 23 5 | 0 8 | 13 50 | 0 48 | 7 22 | 16 31 | 22 10 | 22 24 | 4 5 | 18 9 | 5 5 | T 8 |
| F 9 | 9 44 | 25 42 | 2 31 | 14 33 | 2 3 | 6 17 | 1 8 | 24 46 | 2 0 | 3 2 | 1 8 | 17 57 | 0 53 | 23 5 | 0 8 | 13 50 | 0 48 | 7 22 | 16 31 | 22 10 | 22 24 | 4 8 | 18 9 | 5 5 | F 9 |
| S 10 | 10 6 | 25 2 | 3 27 | 14 11 | 1 50 | 6 8 | 0 59 | 24 42 | 2 0 | 2 57 | 1 8 | 17 56 | 0 53 | 23 5 | 0 8 | 13 50 | 0 48 | 7 21 | 16 31 | 22 10 | 22 24 | 4 11 | 18 10 | 5 4 | S 10 |
| S 11 | 10 27 | 22 59 | 4 15 | 13 47 | 1 36 | 5 58 | 0 51 | 24 37 | 1 59 | 2 52 | 1 8 | 17 55 | 0 54 | 23 5 | 0 8 | 13 50 | 0 48 | 7 21 | 16 31 | 22 10 | 22 23 | 4 14 | 18 10 | 5 4 | S 11 |
| M12 | 10 48 | 19 33 | 4 49 | 13 21 | 1 21 | 5 48 | 0 43 | 24 33 | 1 58 | 2 47 | 1 8 | 17 54 | 0 54 | 23 6 | 0 8 | 13 51 | 0 48 | 7 20 | 16 31 | 22 10 | 22 23 | 4 17 | 18 11 | 5 4 | M12 |
| T 13 | 11 8 | 14 55 | 5 8 | 12 54 | 1 6 | 5 37 | 0 35 | 24 29 | 1 57 | 2 41 | 1 8 | 17 53 | 0 54 | 23 6 | 0 8 | 13 51 | 0 48 | 7 20 | 16 31 | 22 9 | 22 22 | 4 20 | 18 12 | 5 4 | T 13 |
| W14 | 11 29 | 9 18 | 5 7 | 12 25 | 0 49 | 5 26 | 0 27 | 24 24 | 1 56 | 2 36 | 1 8 | 17 53 | 0 54 | 23 6 | 0 8 | 13 51 | 0 48 | 7 19 | 16 31 | 22 9 | 22 22 | 4 23 | 18 12 | 5 3 | W14 |
| T 15 | 11 50 | 3 0 | 4 46 | 11 56 | 0 32 | 5 14 | 0 20 | 24 19 | 1 55 | 2 31 | 1 8 | 17 52 | 0 54 | 23 6 | 0 8 | 13 51 | 0 48 | 7 19 | 16 31 | 22 8 | 22 21 | 4 26 | 18 13 | 5 3 | T 15 |
| F 16 | 12 10 | 3s34 | 4 4 | 11 27 | 0 15 | 5 2 | 0 12 | 24 14 | 1 55 | 2 26 | 1 9 | 17 51 | 0 54 | 23 7 | 0 8 | 13 51 | 0 48 | 7 18 | 16 31 | 22 7 | 22 21 | 4 29 | 18 13 | 5 3 | F 16 |
| S 17 | 12 30 | 9 58 | 3 5 | 10 57 | 0s 2 | 4 49 | 0 5 | 24 9 | 1 54 | 2 21 | 1 9 | 17 50 | 0 55 | 23 7 | 0 8 | 13 51 | 0 48 | 7 18 | 16 31 | 22 6 | 22 21 | 4 32 | 18 14 | 5 3 | S 17 |
| S 18 | 12 50 | 15 45 | 1 53 | 10 28 | 0 19 | 4 35 | 0s 2 | 24 4 | 1 53 | 2 16 | 1 9 | 17 50 | 0 55 | 23 7 | 0 8 | 13 51 | 0 48 | 7 18 | 16 31 | 22 6 | 22 20 | 4 35 | 18 14 | 5 3 | S 18 |
| M19 | 13 9 | 20 28 | 0 35 | 10 0 | 0 36 | 4 22 | 0 9 | 23 59 | 1 52 | 2 11 | 1 9 | 17 49 | 0 55 | 23 7 | 0 8 | 13 52 | 0 48 | 7 17 | 16 31 | 22 6 | 22 20 | 4 38 | 18 15 | 5 2 | M19 |
| T 20 | 13 29 | 23 47 | 0s44 | 9 33 | 0 53 | 4 7 | 0 15 | 23 54 | 1 51 | 2 6 | 1 9 | 17 48 | 0 55 | 23 8 | 0 8 | 13 52 | 0 48 | 7 17 | 16 31 | 22 6 | 22 19 | 4 41 | 18 15 | 5 2 | T 20 |
| W21 | 13 48 | 25 30 | 1 58 | 9 8 | 1 9 | 3 52 | 0 22 | 23 48 | 1 50 | 2 1 | 1 9 | 17 48 | 0 55 | 23 8 | 0 8 | 13 52 | 0 48 | 7 16 | 16 31 | 22 6 | 22 19 | 4 44 | 18 16 | 5 2 | W21 |
| T 22 | 14 7 | 25 37 | 3 3 | 8 44 | 1 25 | 3 37 | 0 28 | 23 42 | 1 50 | 1 56 | 1 9 | 17 47 | 0 55 | 23 8 | 0 8 | 13 52 | 0 48 | 7 16 | 16 31 | 22 6 | 22 19 | 4 47 | 18 16 | 5 2 | T 22 |
| F 23 | 14 26 | 24 15 | 3 56 | 8 23 | 1 40 | 3 21 | 0 34 | 23 37 | 1 49 | 1 51 | 1 10 | 17 47 | 0 56 | 23 9 | 0 8 | 13 52 | 0 48 | 7 15 | 16 31 | 22 6 | 22 18 | 4 50 | 18 16 | 5 2 | F 23 |
| S 24 | 14 44 | 21 40 | 4 36 | 8 3 | 1 54 | 3 5 | 0 40 | 23 31 | 1 48 | 1 46 | 1 10 | 17 46 | 0 56 | 23 9 | 0 8 | 13 52 | 0 48 | 7 15 | 16 31 | 22 6 | 22 18 | 4 53 | 18 17 | 5 1 | S 24 |
| S 25 | 15 3 | 18 8 | 5 1 | 7 46 | 2 7 | 2 49 | 0 46 | 23 25 | 1 47 | 1 41 | 1 10 | 17 46 | 0 56 | 23 9 | 0 8 | 13 52 | 0 48 | 7 15 | 16 31 | 22 6 | 22 17 | 4 56 | 18 17 | 5 1 | S 25 |
| M26 | 15 21 | 13 54 | 5 12 | 7 32 | 2 19 | 2 32 | 0 51 | 23 19 | 1 46 | 1 36 | 1 10 | 17 45 | 0 56 | 23 9 | 0 8 | 13 52 | 0 48 | 7 14 | 16 32 | 22 6 | 22 17 | 4 59 | 18 18 | 5 1 | M26 |
| T 27 | 15 39 | 9 12 | 5 9 | 7 20 | 2 31 | 2 14 | 0 56 | 23 12 | 1 46 | 1 31 | 1 10 | 17 45 | 0 56 | 23 10 | 0 8 | 13 52 | 0 48 | 7 14 | 16 32 | 22 5 | 22 16 | 5 2 | 18 18 | 5 1 | T 27 |
| W28 | 15 56 | 4 12 | 4 53 | 7 10 | 2 41 | 1 57 | 1 2 | 23 6 | 1 45 | 1 27 | 1 10 | 17 44 | 0 56 | 23 10 | 0 8 | 13 52 | 0 48 | 7 14 | 16 32 | 22 5 | 22 16 | 5 5 | 18 19 | 5 1 | W28 |
| T 29 | 16 13 | 0n55 | 4 24 | 7 3 | 2 51 | 1 39 | 1 7 | 23 0 | 1 44 | 1 22 | 1 10 | 17 44 | 0 57 | 23 10 | 0 8 | 13 52 | 0 48 | 7 13 | 16 32 | 22 4 | 22 15 | 5 8 | 18 19 | 5 0 | T 29 |
| F 30 | 16n30 | 6n 1 | 3s44 | 6n59 | 2s59 | 1s20 | 1s12 | 22n53 | 1n43 | 1s17 | 1s11 | 17s44 | 0s57 | 23n10 | 0n 8 | 13n52 | 0n48 | 7s13 | 16s32 | 22n 3 | 22n15 | 5n11 | 18n20 | 5s 0 | F 30 |

Julian Day Number = 2126210.5, Delta T = 17m13s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'20, Lahiri = 11°26'21 Julian Calendar 1 Apr. 1109 == Greg. Calendar 8 Apr. 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## MAY 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 59 53 | 16♉16'41 | 6♉13 | 25♈20 | 0♈21 | 25♋47 | 29♓41 | 13♒38 | 18♊22 | 25♎24 | 20♈42 | 9°R56 | 11♊18 | 22♈35 | 22♊18 | S 1 |
| S 2 | 15 3 50 | 17°14'21 | 18° 7 | 25°38 | 1°19 | 26°19 | 29°53 | 13°40 | 18°26 | 25°24 | 20°43 | 9♊53 | 11°15 | 22°42 | 22°23 | S 2 |
| M 3 | 15 7 46 | 18°12'00 | 0♊ 6 | 26° 1 | 2°17 | 26°51 | 0♈ 5 | 13°41 | 18°29 | 25°24 | 20°44 | 9°52 | 11°12 | 22°49 | 22°28 | M 3 |
| T 4 | 15 11 43 | 19° 9'38 | 12°12 | 26°29 | 3°15 | 27°24 | 0°17 | 13°43 | 18°32 | 25°24 | 20°46 | 9°D52 | 11° 8 | 22°55 | 22°33 | T 4 |
| W 5 | 15 15 39 | 20° 7'15 | 24°27 | 27° 0 | 4°15 | 27°56 | 0°29 | 13°44 | 18°35 | 25°24 | 20°47 | 9°52 | 11° 5 | 23° 2 | 22°38 | W 5 |
| T 6 | 15 19 36 | 21° 4'50 | 6♋53 | 27°36 | 5°14 | 28°29 | 0°41 | 13°45 | 18°39 | 25°24 | 20°48 | 9°53 | 11° 2 | 23° 9 | 22°43 | T 6 |
| F 7 | 15 23 32 | 22° 2'23 | 19°34 | 28°15 | 6°14 | 29° 1 | 0°52 | 13°46 | 18°42 | 25°24 | 20°49 | 9°55 | 10°59 | 23°15 | 22°49 | F 7 |
| S 8 | 15 27 29 | 22°59'55 | 2♌31 | 28°58 | 7°14 | 29°34 | 1° 4 | 13°48 | 18°45 | 25°25 | 20°51 | 9°56 | 10°56 | 23°22 | 22°54 | S 8 |
| S 9 | 15 31 25 | 23°57'26 | 15°48 | 29°45 | 8°14 | 0♌ 7 | 1°15 | 13°49 | 18°49 | 25°25 | 20°52 | 9°57 | 10°53 | 23°29 | 22°59 | S 9 |
| M10 | 15 35 22 | 24°54'56 | 29°25 | 0♍36 | 9°15 | 0°40 | 1°26 | 13°49 | 18°52 | 25°25 | 20°53 | 9°R57 | 10°49 | 23°36 | 23° 5 | M10 |
| T 11 | 15 39 19 | 25°52'23 | 13♍25 | 1°30 | 10°16 | 1°13 | 1°38 | 13°50 | 18°55 | 25°25 | 20°54 | 9°56 | 10°46 | 23°42 | 23°10 | T 11 |
| W12 | 15 43 15 | 26°49'50 | 27°47 | 2°28 | 11°17 | 1°46 | 1°49 | 13°51 | 18°59 | 25°26 | 20°55 | 9°55 | 10°43 | 23°49 | 23°15 | W12 |
| T 13 | 15 47 12 | 27°47'15 | 12♎26 | 3°28 | 12°18 | 2°19 | 2° 0 | 13°51 | 19° 2 | 25°26 | 20°56 | 9°54 | 10°40 | 23°56 | 23°21 | T 13 |
| F 14 | 15 51 8 | 28°44'39 | 27°20 | 4°33 | 13°20 | 2°53 | 2°11 | 13°52 | 19° 5 | 25°27 | 20°58 | 9°53 | 10°37 | 24° 2 | 23°26 | F 14 |
| S 15 | 15 55 5 | 29°42'02 | 12♏19 | 5°40 | 14°22 | 3°26 | 2°22 | 13°52 | 19° 9 | 25°27 | 20°59 | 9°51 | 10°34 | 24° 9 | 23°32 | S 15 |
| S 16 | 15 59 1 | 0♊39'24 | 27°17 | 6°50 | 15°25 | 4° 0 | 2°32 | 13°53 | 19°12 | 25°28 | 21° 0 | 9°51 | 10°30 | 24°16 | 23°37 | S 16 |
| M17 | 16 2 58 | 1°36'45 | 12♐ 4 | 8° 4 | 16°27 | 4°33 | 2°43 | 13°53 | 19°16 | 25°28 | 21° 1 | 9°D51 | 10°27 | 24°22 | 23°43 | M17 |
| T 18 | 16 6 54 | 2°34'05 | 26°34 | 9°20 | 17°30 | 5° 7 | 2°54 | 13°R53 | 19°19 | 25°29 | 21° 2 | 9°51 | 10°24 | 24°29 | 23°48 | T 18 |
| W19 | 16 10 51 | 3°31'25 | 10♑42 | 10°40 | 18°33 | 5°41 | 3° 4 | 13°53 | 19°23 | 25°29 | 21° 3 | 9°51 | 10°21 | 24°36 | 23°54 | W19 |
| T 20 | 16 14 48 | 4°28'44 | 24°24 | 12° 2 | 19°36 | 6°14 | 3°14 | 13°53 | 19°26 | 25°30 | 21° 4 | 9°52 | 10°18 | 24°42 | 23°59 | T 20 |
| F 21 | 16 18 44 | 5°26'02 | 7♒41 | 13°28 | 20°40 | 6°48 | 3°25 | 13°53 | 19°30 | 25°31 | 21° 5 | 9°52 | 10°14 | 24°49 | 24° 5 | F 21 |
| S 22 | 16 22 41 | 6°23'20 | 20°34 | 14°56 | 21°44 | 7°22 | 3°35 | 13°52 | 19°33 | 25°31 | 21° 6 | 9°53 | 10°11 | 24°56 | 24°11 | S 22 |
| S 23 | 16 26 37 | 7°20'37 | 3♓ 6 | 16°27 | 22°48 | 7°56 | 3°45 | 13°52 | 19°37 | 25°32 | 21° 7 | 9°R53 | 10° 8 | 25° 2 | 24°16 | S 23 |
| M24 | 16 30 34 | 8°17'54 | 15°20 | 18° 1 | 23°52 | 8°30 | 3°55 | 13°51 | 19°40 | 25°33 | 21° 8 | 9°53 | 10° 5 | 25° 9 | 24°22 | M24 |
| T 25 | 16 34 30 | 9°15'10 | 27°23 | 19°38 | 24°56 | 9° 4 | 4° 4 | 13°51 | 19°44 | 25°34 | 21° 9 | 9°53 | 10° 2 | 25°16 | 24°28 | T 25 |
| W26 | 16 38 27 | 10°12'26 | 9♈17 | 21°17 | 26° 1 | 9°39 | 4°14 | 13°50 | 19°47 | 25°34 | 21°10 | 9°D53 | 9°59 | 25°22 | 24°34 | W26 |
| T 27 | 16 42 23 | 11° 9'42 | 21° 7 | 23° 0 | 27° 6 | 10°13 | 4°23 | 13°49 | 19°51 | 25°35 | 21°11 | 9°53 | 9°55 | 25°29 | 24°39 | T 27 |
| F 28 | 16 46 20 | 12° 6'57 | 2♉57 | 24°45 | 28°11 | 10°47 | 4°33 | 13°48 | 19°54 | 25°36 | 21°12 | 9°53 | 9°52 | 25°36 | 24°45 | F 28 |
| S 29 | 16 50 17 | 13° 4'12 | 14°50 | 26°33 | 29°16 | 11°22 | 4°42 | 13°47 | 19°58 | 25°37 | 21°13 | 9°53 | 9°49 | 25°43 | 24°51 | S 29 |
| S 30 | 16 54 13 | 14° 1'27 | 26°50 | 28°23 | 0♉21 | 11°56 | 4°51 | 13°46 | 20° 2 | 25°38 | 21°14 | 9°54 | 9°46 | 25°49 | 24°57 | S 30 |
| M31 | 16 58 10 | 14♊58'41 | 8♊59 | 0♊16 | 1♉27 | 12♌31 | 5♈ 0 | 13♒45 | 20♊ 5 | 25♌39 | 21♈15 | 9°R54 | 9♊43 | 25♈56 | 25♊ 3 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n47 | 10n55 | 2s55 | 6n57 | 3s 6 | 1s 2 | 1s16 | 22n46 | 1n42 | 1s12 | 1s11 | 17s43 | 0s57 | 23n11 | 0n 8 | 13n52 | 0n48 | 7s13 | 16s32 | 22n 3 | 22n15 | 5n14 | 18n20 | 5s 0 |
| S 2 | 17 4 | 15 26 | 1 57 | 6 58 | 3 13 | 0 43 | 1 21 | 22 39 | 1 42 | 1 8 | 1 11 | 17 43 | 0 57 | 23 11 | 0 8 | 13 52 | 0 48 | 7 12 | 16 32 | 22 2 | 22 14 | 5 17 | 18 21 | 5 0 |
| M 3 | 17 20 | 19 24 | 0 54 | 7 1 | 3 18 | 0 23 | 1 25 | 22 32 | 1 41 | 1 3 | 1 11 | 17 43 | 0 57 | 23 11 | 0 8 | 13 52 | 0 48 | 7 12 | 16 32 | 22 2 | 22 14 | 5 20 | 18 21 | 5 0 |
| T 4 | 17 36 | 22 35 | 0n13 | 7 7 | 3 23 | 0 4 | 1 29 | 22 25 | 1 40 | 0 58 | 1 11 | 17 42 | 0 57 | 23 12 | 0 8 | 13 52 | 0 48 | 7 12 | 16 33 | 22 2 | 22 13 | 5 23 | 18 21 | 5 0 |
| W 5 | 17 52 | 24 46 | 1 20 | 7 15 | 3 26 | 0n16 | 1 33 | 22 18 | 1 39 | 0 54 | 1 11 | 17 42 | 0 58 | 23 12 | 0 8 | 13 52 | 0 48 | 7 11 | 16 33 | 22 2 | 22 13 | 5 26 | 18 22 | 5 0 |
| T 6 | 18 7 | 25 46 | 2 24 | 7 25 | 3 29 | 0 36 | 1 37 | 22 10 | 1 39 | 0 49 | 1 12 | 17 42 | 0 58 | 23 12 | 0 8 | 13 52 | 0 48 | 7 11 | 16 33 | 22 2 | 22 12 | 5 29 | 18 22 | 4 59 |
| F 7 | 18 22 | 25 27 | 3 22 | 7 37 | 3 31 | 0 56 | 1 41 | 22 3 | 1 38 | 0 45 | 1 12 | 17 42 | 0 58 | 23 12 | 0 8 | 13 52 | 0 48 | 7 11 | 16 33 | 22 3 | 22 12 | 5 32 | 18 23 | 4 59 |
| S 8 | 18 37 | 23 46 | 4 11 | 7 52 | 3 32 | 1 17 | 1 44 | 21 55 | 1 37 | 0 41 | 1 12 | 17 42 | 0 58 | 23 13 | 0 8 | 13 52 | 0 48 | 7 10 | 16 33 | 22 3 | 22 11 | 5 35 | 18 23 | 4 59 |
| S 9 | 18 51 | 20 46 | 4 49 | 8 8 | 3 32 | 1 38 | 1 48 | 21 48 | 1 36 | 0 36 | 1 12 | 17 42 | 0 58 | 23 13 | 0 8 | 13 52 | 0 48 | 7 10 | 16 33 | 22 3 | 22 11 | 5 38 | 18 23 | 4 59 |
| M10 | 19 5 | 16 35 | 5 11 | 8 27 | 3 31 | 1 59 | 1 51 | 21 40 | 1 36 | 0 32 | 1 12 | 17 41 | 0 58 | 23 13 | 0 8 | 13 51 | 0 48 | 7 10 | 16 34 | 22 3 | 22 11 | 5 41 | 18 24 | 4 59 |
| T 11 | 19 19 | 11 24 | 5 16 | 8 47 | 3 29 | 2 20 | 1 54 | 21 32 | 1 35 | 0 27 | 1 12 | 17 41 | 0 59 | 23 14 | 0 8 | 13 51 | 0 48 | 7 10 | 16 34 | 22 3 | 22 10 | 5 44 | 18 24 | 4 59 |
| W12 | 19 33 | 5 29 | 5 1 | 9 9 | 3 27 | 2 41 | 1 57 | 21 23 | 1 34 | 0 23 | 1 13 | 17 41 | 0 59 | 23 14 | 0 8 | 13 51 | 0 48 | 7 9 | 16 34 | 22 3 | 22 10 | 5 47 | 18 25 | 4 59 |
| T 13 | 19 46 | 0s51 | 4 27 | 9 32 | 3 24 | 3 3 | 2 0 | 21 15 | 1 33 | 0 19 | 1 13 | 17 41 | 0 59 | 23 14 | 0 8 | 13 51 | 0 48 | 7 9 | 16 34 | 22 3 | 22 9 | 5 50 | 18 25 | 4 59 |
| F 14 | 19 59 | 7 14 | 3 34 | 9 57 | 3 20 | 3 24 | 2 3 | 21 7 | 1 33 | 0 15 | 1 13 | 17 41 | 0 59 | 23 14 | 0 8 | 13 51 | 0 48 | 7 9 | 16 34 | 22 2 | 22 9 | 5 53 | 18 25 | 4 59 |
| S 15 | 20 11 | 13 17 | 2 27 | 10 23 | 3 16 | 3 46 | 2 5 | 20 58 | 1 32 | 0 11 | 1 13 | 17 41 | 0 59 | 23 15 | 0 8 | 13 51 | 0 48 | 7 9 | 16 34 | 22 2 | 22 8 | 5 56 | 18 26 | 4 59 |
| S 16 | 20 23 | 18 32 | 1 9 | 10 51 | 3 11 | 4 8 | 2 8 | 20 50 | 1 31 | 0 6 | 1 13 | 17 42 | 1 0 | 23 15 | 0 8 | 13 50 | 0 48 | 7 8 | 16 35 | 22 2 | 22 8 | 5 59 | 18 26 | 4 58 |
| M17 | 20 35 | 22 33 | 0s12 | 11 20 | 3 5 | 4 30 | 2 10 | 20 41 | 1 30 | 0 2 | 1 14 | 17 42 | 1 0 | 23 15 | 0 8 | 13 50 | 0 48 | 7 8 | 16 35 | 22 2 | 22 7 | 6 2 | 18 26 | 4 58 |
| T 18 | 20 47 | 25 2 | 1 31 | 11 51 | 2 59 | 4 52 | 2 12 | 20 32 | 1 30 | 0n 2 | 1 14 | 17 42 | 1 0 | 23 16 | 0 8 | 13 50 | 0 48 | 7 8 | 16 35 | 22 2 | 22 7 | 6 5 | 18 27 | 4 58 |
| W19 | 20 58 | 25 50 | 2 43 | 12 22 | 2 52 | 5 14 | 2 14 | 20 23 | 1 29 | 0 6 | 1 14 | 17 42 | 1 0 | 23 16 | 0 8 | 13 50 | 0 47 | 7 8 | 16 35 | 22 2 | 22 6 | 6 8 | 18 27 | 4 58 |
| T 20 | 21 8 | 25 0 | 3 43 | 12 54 | 2 45 | 5 37 | 2 16 | 20 14 | 1 28 | 0 10 | 1 14 | 17 42 | 1 0 | 23 16 | 0 8 | 13 50 | 0 47 | 7 8 | 16 35 | 22 2 | 22 6 | 6 11 | 18 27 | 4 58 |
| F 21 | 21 19 | 22 46 | 4 29 | 13 27 | 2 37 | 5 59 | 2 17 | 20 4 | 1 28 | 0 13 | 1 14 | 17 42 | 1 0 | 23 16 | 0 8 | 13 49 | 0 47 | 7 7 | 16 36 | 22 2 | 22 6 | 6 14 | 18 28 | 4 58 |
| S 22 | 21 29 | 19 26 | 4 59 | 14 1 | 2 29 | 6 22 | 2 19 | 19 55 | 1 27 | 0 17 | 1 15 | 17 43 | 1 1 | 23 17 | 0 8 | 13 49 | 0 47 | 7 7 | 16 36 | 22 2 | 22 5 | 6 18 | 18 28 | 4 58 |
| S 23 | 21 38 | 15 18 | 5 15 | 14 36 | 2 20 | 6 44 | 2 20 | 19 45 | 1 26 | 0 21 | 1 15 | 17 43 | 1 1 | 23 17 | 0 8 | 13 49 | 0 47 | 7 7 | 16 36 | 22 2 | 22 5 | 6 21 | 18 28 | 4 58 |
| M24 | 21 48 | 10 39 | 5 16 | 15 11 | 2 11 | 7 7 | 2 22 | 19 36 | 1 25 | 0 25 | 1 15 | 17 43 | 1 1 | 23 17 | 0 8 | 13 49 | 0 47 | 7 7 | 16 36 | 22 2 | 22 4 | 6 24 | 18 28 | 4 58 |
| T 25 | 21 57 | 5 40 | 5 3 | 15 47 | 2 1 | 7 29 | 2 23 | 19 26 | 1 25 | 0 29 | 1 15 | 17 44 | 1 1 | 23 18 | 0 8 | 13 48 | 0 47 | 7 7 | 16 37 | 22 2 | 22 4 | 6 27 | 18 29 | 4 58 |
| W26 | 22 5 | 0 32 | 4 37 | 16 23 | 1 51 | 7 52 | 2 24 | 19 16 | 1 24 | 0 32 | 1 15 | 17 44 | 1 1 | 23 18 | 0 8 | 13 48 | 0 47 | 7 7 | 16 37 | 22 2 | 22 3 | 6 30 | 18 29 | 4 58 |
| T 27 | 22 13 | 4n35 | 3 59 | 17 0 | 1 40 | 8 14 | 2 25 | 19 6 | 1 23 | 0 36 | 1 16 | 17 44 | 1 2 | 23 18 | 0 8 | 13 48 | 0 47 | 7 7 | 16 37 | 22 2 | 22 3 | 6 33 | 18 29 | 4 58 |
| F 28 | 22 21 | 9 34 | 3 11 | 17 36 | 1 30 | 8 37 | 2 26 | 18 56 | 1 23 | 0 39 | 1 16 | 17 45 | 1 2 | 23 18 | 0 8 | 13 47 | 0 47 | 7 6 | 16 37 | 22 2 | 22 2 | 6 36 | 18 29 | 4 58 |
| S 29 | 22 29 | 14 13 | 2 15 | 18 12 | 1 19 | 8 59 | 2 26 | 18 46 | 1 22 | 0 43 | 1 16 | 17 45 | 1 2 | 23 19 | 0 8 | 13 47 | 0 47 | 7 6 | 16 38 | 22 2 | 22 2 | 6 39 | 18 30 | 4 58 |
| S 30 | 22 36 | 18 23 | 1 12 | 18 48 | 1 8 | 9 22 | 2 27 | 18 35 | 1 21 | 0 46 | 1 16 | 17 46 | 1 2 | 23 19 | 0 8 | 13 47 | 0 47 | 7 6 | 16 38 | 22 3 | 22 1 | 6 42 | 18 30 | 4 58 |
| M31 | 22n42 | 21n49 | 0s 5 | 19n23 | 0s56 | 9n44 | 2s27 | 18n25 | 1n20 | 0n50 | 1s17 | 17s46 | 1s 2 | 23n19 | 0n 8 | 13n46 | 0n47 | 7s 6 | 16s38 | 22n 3 | 22n 1 | 6n45 | 18n30 | 4s58 |

Julian Day Number = 2126240.5, Delta T = 17m13s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'24, Lahiri = 11°26'25 Julian Calendar 1 May 1109 == Greg. Calendar 8 May 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## JUNE 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 2 6 | 15♊55'55 | 21♊18 | 2♊12 | 2♉32 | 13♌ 6 | 5♈ 9 | 13°R44 | 20♊ 9 | 25♌40 | 21♈16 | 9°R54 | 9♊40 | 26♈ 3 | 25♊ 8 | T 1 |
| W 2 | 17 6 3 | 16°53'09 | 3♋49 | 4°10 | 3°38 | 13°40 | 5°18 | 13♒42 | 20°12 | 25°41 | 21°17 | 9♊53 | 9°36 | 26° 9 | 25°14 | W 2 |
| T 3 | 17 9 59 | 17°50'22 | 16°34 | 6°10 | 4°44 | 14°15 | 5°27 | 13°41 | 20°16 | 25°42 | 21°18 | 9°52 | 9°33 | 26°16 | 25°20 | T 3 |
| F 4 | 17 13 56 | 18°47'34 | 29°32 | 8°12 | 5°50 | 14°50 | 5°35 | 13°39 | 20°20 | 25°43 | 21°18 | 9°51 | 9°30 | 26°23 | 25°26 | F 4 |
| S 5 | 17 17 52 | 19°44'46 | 12♌45 | 10°16 | 6°56 | 15°25 | 5°44 | 13°38 | 20°23 | 25°44 | 21°19 | 9°50 | 9°27 | 26°29 | 25°32 | S 5 |
| S 6 | 17 21 49 | 20°41'58 | 26°12 | 12°22 | 8° 3 | 16° 0 | 5°52 | 13°36 | 20°27 | 25°45 | 21°20 | 9°49 | 9°24 | 26°36 | 25°38 | S 6 |
| M 7 | 17 25 46 | 21°39'09 | 9♍55 | 14°29 | 9° 9 | 16°35 | 6° 0 | 13°34 | 20°30 | 25°46 | 21°21 | 9°48 | 9°20 | 26°43 | 25°44 | M 7 |
| T 8 | 17 29 42 | 22°36'19 | 23°52 | 16°38 | 10°16 | 17°10 | 6° 8 | 13°32 | 20°34 | 25°48 | 21°22 | 9°D48 | 9°17 | 26°49 | 25°49 | T 8 |
| W 9 | 17 33 39 | 23°33'29 | 8♎ 2 | 18°48 | 11°23 | 17°46 | 6°16 | 13°30 | 20°38 | 25°49 | 21°22 | 9°48 | 9°14 | 26°56 | 25°55 | W 9 |
| T 10 | 17 37 35 | 24°30'39 | 22°24 | 20°58 | 12°30 | 18°21 | 6°24 | 13°28 | 20°41 | 25°50 | 21°23 | 9°49 | 9°11 | 27° 3 | 26° 1 | T 10 |
| F 11 | 17 41 32 | 25°27'48 | 6♏55 | 23° 8 | 13°37 | 18°56 | 6°31 | 13°26 | 20°45 | 25°51 | 21°24 | 9°50 | 9° 8 | 27° 9 | 26° 7 | F 11 |
| S 12 | 17 45 28 | 26°24'57 | 21°30 | 25°19 | 14°44 | 19°32 | 6°39 | 13°24 | 20°48 | 25°53 | 21°24 | 9°51 | 9° 5 | 27°16 | 26°13 | S 12 |
| S 13 | 17 49 25 | 27°22'05 | 6♐ 4 | 27°30 | 15°51 | 20° 7 | 6°46 | 13°21 | 20°52 | 25°54 | 21°25 | 9°R52 | 9° 1 | 27°23 | 26°19 | S 13 |
| M14 | 17 53 21 | 28°19'14 | 20°33 | 29°40 | 16°59 | 20°43 | 6°53 | 13°19 | 20°55 | 25°55 | 21°26 | 9°52 | 8°58 | 27°29 | 26°25 | M14 |
| T 15 | 17 57 18 | 29°16'22 | 4♑49 | 1♋49 | 18° 6 | 21°18 | 7° 0 | 13°17 | 20°59 | 25°57 | 21°26 | 9°51 | 8°55 | 27°36 | 26°31 | T 15 |
| W16 | 18 1 15 | 0♋13'31 | 18°48 | 3°58 | 19°14 | 21°54 | 7° 7 | 13°14 | 21° 3 | 25°58 | 21°27 | 9°49 | 8°52 | 27°43 | 26°37 | W16 |
| T 17 | 18 5 11 | 1°10'40 | 2♒27 | 6° 5 | 20°22 | 22°30 | 7°14 | 13°11 | 21° 6 | 25°59 | 21°28 | 9°46 | 8°49 | 27°50 | 26°43 | T 17 |
| F 18 | 18 9 8 | 2° 7'49 | 15°44 | 8°11 | 21°30 | 23° 6 | 7°20 | 13° 9 | 21°10 | 26° 1 | 21°28 | 9°43 | 8°46 | 27°56 | 26°48 | F 18 |
| S 19 | 18 13 4 | 3° 4'58 | 28°38 | 10°16 | 22°38 | 23°42 | 7°26 | 13° 6 | 21°13 | 26° 2 | 21°29 | 9°39 | 8°42 | 28° 3 | 26°54 | S 19 |
| S 20 | 18 17 1 | 4° 2'08 | 11♓13 | 12°19 | 23°46 | 24°17 | 7°33 | 13° 3 | 21°17 | 26° 4 | 21°29 | 9°37 | 8°39 | 28°10 | 27° 0 | S 20 |
| M21 | 18 20 57 | 4°59'18 | 23°29 | 14°21 | 24°54 | 24°53 | 7°39 | 13° 0 | 21°20 | 26° 5 | 21°30 | 9°35 | 8°36 | 28°16 | 27° 6 | M21 |
| T 22 | 18 24 54 | 5°56'29 | 5♈33 | 16°21 | 26° 3 | 25°29 | 7°45 | 12°57 | 21°24 | 26° 7 | 21°30 | 9°D35 | 8°33 | 28°23 | 27°12 | T 22 |
| W23 | 18 28 51 | 6°53'40 | 17°27 | 18°19 | 27°11 | 26° 6 | 7°50 | 12°54 | 21°27 | 26° 9 | 21°31 | 9°35 | 8°30 | 28°30 | 27°18 | W23 |
| T 24 | 18 32 47 | 7°50'52 | 29°18 | 20°16 | 28°20 | 26°42 | 7°56 | 12°50 | 21°31 | 26°10 | 21°31 | 9°36 | 8°26 | 28°36 | 27°24 | T 24 |
| F 25 | 18 36 44 | 8°48'04 | 11♉ 9 | 22°10 | 29°29 | 27°18 | 8° 1 | 12°47 | 21°34 | 26°12 | 21°32 | 9°38 | 8°23 | 28°43 | 27°30 | F 25 |
| S 26 | 18 40 40 | 9°45'17 | 23° 5 | 24° 3 | 0♊37 | 27°54 | 8° 6 | 12°44 | 21°38 | 26°13 | 21°32 | 9°40 | 8°20 | 28°50 | 27°35 | S 26 |
| S 27 | 18 44 37 | 10°42'31 | 5♊11 | 25°54 | 1°46 | 28°31 | 8°12 | 12°40 | 21°41 | 26°15 | 21°33 | 9°R41 | 8°17 | 28°56 | 27°41 | S 27 |
| M28 | 18 48 33 | 11°39'45 | 17°30 | 27°44 | 2°55 | 29° 7 | 8°16 | 12°37 | 21°45 | 26°17 | 21°33 | 9°41 | 8°14 | 29° 3 | 27°47 | M28 |
| T 29 | 18 52 30 | 12°37'00 | 0♋ 3 | 29°31 | 4° 4 | 29°44 | 8°21 | 12°33 | 21°48 | 26°18 | 21°33 | 9°39 | 8°11 | 29°10 | 27°53 | T 29 |
| W30 | 18 56 26 | 13♋34'16 | 12♋53 | 1♌17 | 5♊14 | 0♍20 | 8♈26 | 12♒30 | 21♊52 | 26♌20 | 21♈34 | 9♊36 | 8♊ 7 | 29♈16 | 27♊59 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n49 | 24n19 | 1n 3 | 19n58 | 0s45 | 10n 6 | 2s28 | 18n14 | 1n20 | 0n53 | 1s17 | 17s47 | 1s 2 | 23n20 | 0n 8 | 13n46 | 0n47 | 7s 6 | 16s38 | 22n 3 | 22n 0 | 6n48 | 18n30 | 4s58 |
| W 2 | 22 54 | 25 39 | 2 9 | 20 32 | 0 34 | 10 28 | 2 28 | 18 4 | 1 19 | 0 56 | 1 17 | 17 47 | 1 3 | 23 20 | 0 8 | 13 46 | 0 47 | 7 6 | 16 39 | 22 2 | 22 0 | 6 51 | 18 30 | 4 58 |
| T 3 | 23 0 | 25 39 | 3 10 | 21 5 | 0 22 | 10 50 | 2 28 | 17 53 | 1 18 | 1 0 | 1 17 | 17 48 | 1 3 | 23 20 | 0 8 | 13 45 | 0 47 | 7 6 | 16 39 | 22 2 | 21 59 | 6 54 | 18 31 | 4 58 |
| F 4 | 23 5 | 24 17 | 4 2 | 21 36 | 0 11 | 11 12 | 2 28 | 17 42 | 1 18 | 1 3 | 1 17 | 17 49 | 1 3 | 23 20 | 0 8 | 13 45 | 0 47 | 7 6 | 16 39 | 22 2 | 21 59 | 6 57 | 18 31 | 4 58 |
| S 5 | 23 9 | 21 34 | 4 42 | 22 6 | 0n 0 | 11 34 | 2 28 | 17 31 | 1 17 | 1 6 | 1 18 | 17 49 | 1 3 | 23 21 | 0 8 | 13 45 | 0 47 | 7 6 | 16 39 | 22 2 | 21 58 | 7 0 | 18 31 | 4 58 |
| S 6 | 23 14 | 17 39 | 5 8 | 22 34 | 0 11 | 11 56 | 2 28 | 17 20 | 1 16 | 1 9 | 1 18 | 17 50 | 1 3 | 23 21 | 0 8 | 13 44 | 0 47 | 7 6 | 16 40 | 22 2 | 21 58 | 7 3 | 18 31 | 4 58 |
| M 7 | 23 17 | 12 46 | 5 16 | 23 1 | 0 22 | 12 17 | 2 27 | 17 8 | 1 16 | 1 12 | 1 18 | 17 51 | 1 3 | 23 21 | 0 8 | 13 44 | 0 47 | 7 6 | 16 40 | 22 2 | 21 58 | 7 6 | 18 31 | 4 58 |
| T 8 | 23 21 | 7 9 | 5 7 | 23 25 | 0 32 | 12 39 | 2 27 | 16 57 | 1 15 | 1 15 | 1 18 | 17 51 | 1 4 | 23 21 | 0 8 | 13 43 | 0 47 | 7 6 | 16 40 | 22 2 | 21 57 | 7 9 | 18 31 | 4 58 |
| W 9 | 23 24 | 1 4 | 4 39 | 23 47 | 0 42 | 13 0 | 2 26 | 16 46 | 1 14 | 1 18 | 1 19 | 17 52 | 1 4 | 23 22 | 0 8 | 13 43 | 0 47 | 7 6 | 16 41 | 22 2 | 21 57 | 7 12 | 18 31 | 4 58 |
| T 10 | 23 26 | 5s 9 | 3 53 | 24 6 | 0 51 | 13 21 | 2 26 | 16 34 | 1 14 | 1 21 | 1 19 | 17 53 | 1 4 | 23 22 | 0 8 | 13 43 | 0 47 | 7 6 | 16 41 | 22 2 | 21 56 | 7 15 | 18 32 | 4 58 |
| F 11 | 23 29 | 11 10 | 2 52 | 24 23 | 1 0 | 13 42 | 2 25 | 16 22 | 1 13 | 1 23 | 1 19 | 17 54 | 1 4 | 23 22 | 0 8 | 13 42 | 0 47 | 7 6 | 16 41 | 22 2 | 21 56 | 7 18 | 18 32 | 4 58 |
| S 12 | 23 30 | 16 37 | 1 40 | 24 36 | 1 8 | 14 3 | 2 24 | 16 10 | 1 12 | 1 26 | 1 19 | 17 54 | 1 4 | 23 23 | 0 8 | 13 42 | 0 47 | 7 6 | 16 41 | 22 2 | 21 55 | 7 21 | 18 32 | 4 58 |
| S 13 | 23 32 | 21 5 | 0 21 | 24 48 | 1 16 | 14 23 | 2 23 | 15 59 | 1 11 | 1 29 | 1 20 | 17 55 | 1 4 | 23 23 | 0 8 | 13 41 | 0 47 | 7 6 | 16 42 | 22 2 | 21 55 | 7 24 | 18 32 | 4 59 |
| M14 | 23 33 | 24 11 | 0s59 | 24 56 | 1 23 | 14 43 | 2 22 | 15 47 | 1 11 | 1 31 | 1 20 | 17 56 | 1 5 | 23 23 | 0 8 | 13 41 | 0 47 | 7 6 | 16 42 | 22 2 | 21 54 | 7 27 | 18 32 | 4 59 |
| T 15 | 23 33 | 25 41 | 2 13 | 25 1 | 1 29 | 15 3 | 2 21 | 15 34 | 1 10 | 1 34 | 1 20 | 17 57 | 1 5 | 23 23 | 0 8 | 13 40 | 0 47 | 7 6 | 16 42 | 22 2 | 21 54 | 7 30 | 18 32 | 4 59 |
| W16 | 23 33 | 25 30 | 3 18 | 25 4 | 1 34 | 15 23 | 2 20 | 15 22 | 1 9 | 1 36 | 1 20 | 17 58 | 1 5 | 23 24 | 0 8 | 13 40 | 0 47 | 7 6 | 16 43 | 22 2 | 21 53 | 7 33 | 18 32 | 4 59 |
| T 17 | 23 33 | 23 46 | 4 10 | 25 4 | 1 39 | 15 42 | 2 18 | 15 10 | 1 9 | 1 39 | 1 21 | 17 59 | 1 5 | 23 24 | 0 8 | 13 39 | 0 47 | 7 6 | 16 43 | 22 1 | 21 53 | 7 36 | 18 32 | 4 59 |
| F 18 | 23 32 | 20 46 | 4 47 | 25 1 | 1 43 | 16 1 | 2 17 | 14 57 | 1 8 | 1 41 | 1 21 | 18 0 | 1 5 | 23 24 | 0 9 | 13 39 | 0 47 | 7 6 | 16 43 | 22 1 | 21 52 | 7 39 | 18 32 | 4 59 |
| S 19 | 23 31 | 16 49 | 5 9 | 24 55 | 1 46 | 16 20 | 2 16 | 14 45 | 1 7 | 1 43 | 1 21 | 18 1 | 1 5 | 23 24 | 0 9 | 13 38 | 0 47 | 7 6 | 16 44 | 22 0 | 21 52 | 7 42 | 18 32 | 4 59 |
| S 20 | 23 30 | 12 14 | 5 14 | 24 47 | 1 49 | 16 38 | 2 14 | 14 32 | 1 7 | 1 46 | 1 22 | 18 2 | 1 6 | 23 25 | 0 9 | 13 38 | 0 47 | 7 6 | 16 44 | 22 0 | 21 51 | 7 45 | 18 32 | 4 59 |
| M21 | 23 28 | 7 16 | 5 5 | 24 36 | 1 50 | 16 57 | 2 12 | 14 20 | 1 6 | 1 48 | 1 22 | 18 3 | 1 6 | 23 25 | 0 9 | 13 37 | 0 47 | 7 6 | 16 44 | 22 0 | 21 51 | 7 48 | 18 32 | 4 59 |
| T 22 | 23 25 | 2 7 | 4 43 | 24 24 | 1 51 | 17 14 | 2 11 | 14 7 | 1 5 | 1 50 | 1 22 | 18 4 | 1 6 | 23 25 | 0 9 | 13 37 | 0 47 | 7 7 | 16 45 | 22 0 | 21 50 | 7 51 | 18 32 | 5 0 |
| W23 | 23 22 | 3n 4 | 4 8 | 24 9 | 1 52 | 17 32 | 2 9 | 13 54 | 1 5 | 1 52 | 1 22 | 18 5 | 1 6 | 23 25 | 0 9 | 13 36 | 0 47 | 7 7 | 16 45 | 22 0 | 21 50 | 7 54 | 18 32 | 5 0 |
| T 24 | 23 19 | 8 6 | 3 24 | 23 51 | 1 52 | 17 49 | 2 7 | 13 41 | 1 4 | 1 54 | 1 23 | 18 6 | 1 6 | 23 25 | 0 9 | 13 36 | 0 47 | 7 7 | 16 45 | 22 0 | 21 49 | 7 57 | 18 32 | 5 0 |
| F 25 | 23 16 | 12 52 | 2 30 | 23 32 | 1 51 | 18 6 | 2 5 | 13 28 | 1 3 | 1 56 | 1 23 | 18 7 | 1 6 | 23 26 | 0 9 | 13 35 | 0 47 | 7 7 | 16 45 | 22 0 | 21 49 | 8 0 | 18 32 | 5 0 |
| S 26 | 23 12 | 17 11 | 1 30 | 23 12 | 1 49 | 18 22 | 2 3 | 13 14 | 1 3 | 1 58 | 1 23 | 18 8 | 1 6 | 23 26 | 0 9 | 13 34 | 0 47 | 7 7 | 16 46 | 22 0 | 21 48 | 8 3 | 18 32 | 5 0 |
| S 27 | 23 7 | 20 52 | 0 25 | 22 49 | 1 47 | 18 38 | 2 1 | 13 1 | 1 2 | 1 59 | 1 23 | 18 9 | 1 7 | 23 26 | 0 9 | 13 34 | 0 47 | 7 7 | 16 46 | 22 1 | 21 48 | 8 6 | 18 32 | 5 0 |
| M28 | 23 2 | 23 40 | 0n43 | 22 25 | 1 44 | 18 54 | 1 59 | 12 48 | 1 1 | 2 1 | 1 24 | 18 10 | 1 7 | 23 26 | 0 9 | 13 33 | 0 47 | 7 7 | 16 46 | 22 1 | 21 47 | 8 9 | 18 32 | 5 0 |
| T 29 | 22 57 | 25 22 | 1 49 | 22 0 | 1 41 | 19 9 | 1 57 | 12 34 | 1 1 | 2 3 | 1 24 | 18 11 | 1 7 | 23 27 | 0 9 | 13 33 | 0 47 | 7 8 | 16 47 | 22 0 | 21 47 | 8 12 | 18 32 | 5 1 |
| W30 | 22n52 | 25n46 | 2n51 | 21n33 | 1n37 | 19n24 | 1s55 | 12n21 | 1n 0 | 2n 4 | 1s24 | 18s13 | 1s 7 | 23n27 | 0n 9 | 13n32 | 0n47 | 7s 8 | 16s47 | 22n 0 | 21n46 | 8n15 | 18n32 | 5s 1 |

Julian Day Number = 2126271.5, Delta T = 17m13s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'29, Lahiri = 11°26'29 Julian Calendar 1 June 1109 == Greg. Calendar 8 June 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## JULY 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 0 23 | 14♋31'32 | 26♋ 0 | 3♌ 0 | 6♊23 | 0♍57 | 8♈30 | 12°R26 | 21♊55 | 26♌22 | 21♈34 | 9°R31 | 8♊ 4 | 29♈23 | 28♊ 4 | T 1 |
| F 2 | 19 4 20 | 15°28'48 | 9♌22 | 4°42 | 7°32 | 1°33 | 8°34 | 12♒22 | 21°58 | 26°24 | 21°34 | 9♊26 | 8° 1 | 29°30 | 28°10 | F 2 |
| S 3 | 19 8 16 | 16°26'05 | 22°58 | 6°22 | 8°42 | 2°10 | 8°38 | 12°19 | 22° 2 | 26°25 | 21°35 | 9°20 | 7°58 | 29°36 | 28°16 | S 3 |
| S 4 | 19 12 13 | 17°23'23 | 6♍46 | 8° 0 | 9°51 | 2°47 | 8°42 | 12°15 | 22° 5 | 26°27 | 21°35 | 9°14 | 7°55 | 29°43 | 28°22 | S 4 |
| M 5 | 19 16 9 | 18°20'41 | 20°43 | 9°37 | 11° 1 | 3°24 | 8°46 | 12°11 | 22° 8 | 26°29 | 21°35 | 9°10 | 7°52 | 29°50 | 28°27 | M 5 |
| T 6 | 19 20 6 | 19°17'59 | 4♎47 | 11°11 | 12°11 | 4° 1 | 8°49 | 12° 7 | 22°12 | 26°31 | 21°35 | 9° 8 | 7°48 | 29°56 | 28°33 | T 6 |
| W 7 | 19 24 2 | 20°15'17 | 18°55 | 12°44 | 13°21 | 4°38 | 8°52 | 12° 3 | 22°15 | 26°33 | 21°35 | 9°D 7 | 7°45 | 0♉ 3 | 28°39 | W 7 |
| T 8 | 19 27 59 | 21°12'37 | 3♏ 7 | 14°15 | 14°31 | 5°15 | 8°55 | 11°59 | 22°18 | 26°35 | 21°36 | 9° 7 | 7°42 | 0°10 | 28°44 | T 8 |
| F 9 | 19 31 55 | 22° 9'56 | 17°19 | 15°44 | 15°41 | 5°52 | 8°58 | 11°55 | 22°21 | 26°37 | 21°36 | 9° 8 | 7°39 | 0°16 | 28°50 | F 9 |
| S 10 | 19 35 52 | 23° 7'17 | 1♐31 | 17°11 | 16°51 | 6°29 | 9° 1 | 11°51 | 22°25 | 26°38 | 21°36 | 9°10 | 7°36 | 0°23 | 28°56 | S 10 |
| S 11 | 19 39 49 | 24° 4'37 | 15°39 | 18°37 | 18° 1 | 7° 6 | 9° 4 | 11°47 | 22°28 | 26°40 | 21°36 | 9°R10 | 7°32 | 0°30 | 29° 1 | S 11 |
| M12 | 19 43 45 | 25° 1'59 | 29°41 | 20° 0 | 19°11 | 7°43 | 9° 6 | 11°42 | 22°31 | 26°42 | 21°36 | 9° 8 | 7°29 | 0°36 | 29° 7 | M12 |
| T 13 | 19 47 42 | 25°59'22 | 13♑35 | 21°22 | 20°21 | 8°21 | 9° 8 | 11°38 | 22°34 | 26°44 | 21°36 | 9° 4 | 7°26 | 0°43 | 29°12 | T 13 |
| W14 | 19 51 38 | 26°56'45 | 27°16 | 22°41 | 21°32 | 8°58 | 9°10 | 11°34 | 22°37 | 26°46 | 21°36 | 8°58 | 7°23 | 0°50 | 29°18 | W14 |
| T 15 | 19 55 35 | 27°54'09 | 10♒41 | 23°58 | 22°42 | 9°35 | 9°12 | 11°30 | 22°40 | 26°48 | 21°36 | 8°51 | 7°20 | 0°56 | 29°23 | T 15 |
| F 16 | 19 59 31 | 28°51'34 | 23°49 | 25°14 | 23°53 | 10°13 | 9°13 | 11°25 | 22°43 | 26°50 | 21°R36 | 8°42 | 7°17 | 1° 3 | 29°29 | F 16 |
| S 17 | 20 3 28 | 29°49'01 | 6♓39 | 26°27 | 25° 3 | 10°50 | 9°15 | 11°21 | 22°47 | 26°52 | 21°36 | 8°34 | 7°13 | 1°10 | 29°34 | S 17 |
| S 18 | 20 7 24 | 0♌46'28 | 19°11 | 27°38 | 26°14 | 11°28 | 9°16 | 11°17 | 22°50 | 26°54 | 21°36 | 8°26 | 7°10 | 1°16 | 29°39 | S 18 |
| M19 | 20 11 21 | 1°43'57 | 1♈26 | 28°47 | 27°25 | 12° 5 | 9°17 | 11°12 | 22°53 | 26°56 | 21°36 | 8°20 | 7° 7 | 1°23 | 29°45 | M19 |
| T 20 | 20 15 18 | 2°41'27 | 13°29 | 29°53 | 28°36 | 12°43 | 9°18 | 11° 8 | 22°55 | 26°58 | 21°36 | 8°16 | 7° 4 | 1°30 | 29°50 | T 20 |
| W21 | 20 19 14 | 3°38'59 | 25°23 | 0♍57 | 29°47 | 13°21 | 9°18 | 11° 3 | 22°58 | 27° 0 | 21°36 | 8°14 | 7° 1 | 1°36 | 29°55 | W21 |
| T 22 | 20 23 11 | 4°36'32 | 7♉13 | 1°58 | 0♋58 | 13°59 | 9°19 | 10°59 | 23° 1 | 27° 3 | 21°36 | 8°D13 | 6°58 | 1°43 | 0♋ 1 | T 22 |
| F 23 | 20 27 7 | 5°34'06 | 19° 4 | 2°57 | 2° 9 | 14°37 | 9°R19 | 10°54 | 23° 4 | 27° 5 | 21°36 | 8°14 | 6°54 | 1°50 | 0° 6 | F 23 |
| S 24 | 20 31 4 | 6°31'42 | 1♊ 2 | 3°52 | 3°20 | 15°15 | 9°19 | 10°50 | 23° 7 | 27° 7 | 21°36 | 8°15 | 6°51 | 1°56 | 0°11 | S 24 |
| S 25 | 20 35 0 | 7°29'20 | 13°11 | 4°45 | 4°32 | 15°53 | 9°19 | 10°45 | 23°10 | 27° 9 | 21°35 | 8°R15 | 6°48 | 2° 3 | 0°16 | S 25 |
| M26 | 20 38 57 | 8°26'59 | 25°36 | 5°35 | 5°43 | 16°31 | 9°18 | 10°41 | 23°13 | 27°11 | 21°35 | 8°13 | 6°45 | 2°10 | 0°21 | M26 |
| T 27 | 20 42 53 | 9°24'40 | 8♋21 | 6°21 | 6°54 | 17° 9 | 9°18 | 10°36 | 23°15 | 27°13 | 21°35 | 8°10 | 6°42 | 2°17 | 0°26 | T 27 |
| W28 | 20 46 50 | 10°22'22 | 21°27 | 7° 4 | 8° 6 | 17°47 | 9°17 | 10°32 | 23°18 | 27°15 | 21°35 | 8° 4 | 6°38 | 2°23 | 0°31 | W28 |
| T 29 | 20 50 47 | 11°20'05 | 4♌54 | 7°44 | 9°17 | 18°25 | 9°16 | 10°27 | 23°21 | 27°17 | 21°34 | 7°55 | 6°35 | 2°30 | 0°36 | T 29 |
| F 30 | 20 54 43 | 12°17'50 | 18°41 | 8°19 | 10°29 | 19° 3 | 9°15 | 10°23 | 23°24 | 27°20 | 21°34 | 7°45 | 6°32 | 2°37 | 0°41 | F 30 |
| S 31 | 20 58 40 | 13♌15'37 | 2♍44 | 8♍50 | 11♋41 | 19♍42 | 9♈13 | 10♒18 | 23♊26 | 27♌22 | 21♈34 | 7♊35 | 6♊29 | 2♉43 | 0♋46 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n46 | 24n45 | 3n46 | 21n 5 | 1n33 | 19n38 | 1s52 | 12n 7 | 0n59 | 2n 6 | 1s25 | 18s14 | 1s 7 | 23n27 | 0n 9 | 13n31 | 0n47 | 7s 8 | 16s47 | 21n59 | 21n46 | 8n18 | 18n31 | 5s 1 | T 1 |
| F 2 | 22 39 | 22 19 | 4 29 | 20 36 | 1 28 | 19 52 | 1 50 | 11 53 | 0 59 | 2 7 | 1 25 | 18 15 | 1 7 | 23 27 | 0 9 | 13 31 | 0 47 | 7 8 | 16 48 | 21 58 | 21 45 | 8 21 | 18 31 | 5 1 | F 2 |
| S 3 | 22 32 | 18 37 | 4 58 | 20 6 | 1 23 | 20 5 | 1 48 | 11 39 | 0 58 | 2 8 | 1 25 | 18 16 | 1 7 | 23 28 | 0 9 | 13 30 | 0 47 | 7 8 | 16 48 | 21 57 | 21 45 | 8 24 | 18 31 | 5 1 | S 3 |
| S 4 | 22 25 | 13 52 | 5 10 | 19 36 | 1 17 | 20 18 | 1 45 | 11 26 | 0 57 | 2 10 | 1 25 | 18 17 | 1 8 | 23 28 | 0 9 | 13 30 | 0 47 | 7 9 | 16 48 | 21 57 | 21 44 | 8 27 | 18 31 | 5 2 | S 4 |
| M 5 | 22 18 | 8 21 | 5 4 | 19 4 | 1 11 | 20 31 | 1 43 | 11 12 | 0 57 | 2 11 | 1 26 | 18 19 | 1 8 | 23 28 | 0 9 | 13 29 | 0 47 | 7 9 | 16 49 | 21 56 | 21 44 | 8 30 | 18 31 | 5 2 | M 5 |
| T 6 | 22 10 | 2 22 | 4 40 | 18 32 | 1 4 | 20 43 | 1 40 | 10 57 | 0 56 | 2 12 | 1 26 | 18 20 | 1 8 | 23 28 | 0 9 | 13 28 | 0 47 | 7 9 | 16 49 | 21 56 | 21 43 | 8 33 | 18 31 | 5 2 | T 6 |
| W 7 | 22 1 | 3s46 | 3 59 | 17 59 | 0 57 | 20 54 | 1 38 | 10 43 | 0 55 | 2 13 | 1 26 | 18 21 | 1 8 | 23 28 | 0 9 | 13 28 | 0 47 | 7 9 | 16 49 | 21 55 | 21 43 | 8 36 | 18 31 | 5 2 | W 7 |
| T 8 | 21 52 | 9 45 | 3 3 | 17 26 | 0 50 | 21 5 | 1 35 | 10 29 | 0 55 | 2 14 | 1 27 | 18 22 | 1 8 | 23 29 | 0 9 | 13 27 | 0 47 | 7 10 | 16 50 | 21 56 | 21 42 | 8 39 | 18 30 | 5 2 | T 8 |
| F 9 | 21 43 | 15 14 | 1 56 | 16 52 | 0 42 | 21 15 | 1 32 | 10 15 | 0 54 | 2 15 | 1 27 | 18 24 | 1 8 | 23 29 | 0 9 | 13 26 | 0 47 | 7 10 | 16 50 | 21 56 | 21 41 | 8 42 | 18 30 | 5 3 | F 9 |
| S 10 | 21 34 | 19 53 | 0 41 | 16 18 | 0 34 | 21 25 | 1 29 | 10 0 | 0 54 | 2 15 | 1 27 | 18 25 | 1 8 | 23 29 | 0 9 | 13 26 | 0 47 | 7 10 | 16 50 | 21 56 | 21 41 | 8 45 | 18 30 | 5 3 | S 10 |
| S 11 | 21 24 | 23 22 | 0s35 | 15 44 | 0 26 | 21 34 | 1 27 | 9 46 | 0 53 | 2 16 | 1 27 | 18 26 | 1 9 | 23 29 | 0 9 | 13 25 | 0 47 | 7 10 | 16 51 | 21 56 | 21 40 | 8 48 | 18 30 | 5 3 | S 11 |
| M12 | 21 14 | 25 22 | 1 49 | 15 9 | 0 17 | 21 43 | 1 24 | 9 31 | 0 52 | 2 17 | 1 28 | 18 27 | 1 9 | 23 29 | 0 9 | 13 24 | 0 47 | 7 11 | 16 51 | 21 56 | 21 40 | 8 51 | 18 30 | 5 3 | M12 |
| T 13 | 21 3 | 25 45 | 2 55 | 14 35 | 0 8 | 21 51 | 1 21 | 9 17 | 0 52 | 2 17 | 1 28 | 18 29 | 1 9 | 23 30 | 0 9 | 13 24 | 0 47 | 7 11 | 16 51 | 21 55 | 21 39 | 8 54 | 18 29 | 5 4 | T 13 |
| W14 | 20 52 | 24 34 | 3 50 | 14 0 | 0s 1 | 21 59 | 1 18 | 9 2 | 0 51 | 2 18 | 1 28 | 18 30 | 1 9 | 23 30 | 0 9 | 13 23 | 0 47 | 7 11 | 16 52 | 21 54 | 21 39 | 8 56 | 18 29 | 5 4 | W14 |
| T 15 | 20 41 | 21 59 | 4 31 | 13 25 | 0 11 | 22 6 | 1 15 | 8 47 | 0 50 | 2 18 | 1 29 | 18 31 | 1 9 | 23 30 | 0 9 | 13 22 | 0 47 | 7 11 | 16 52 | 21 53 | 21 38 | 8 59 | 18 29 | 5 4 | T 15 |
| F 16 | 20 29 | 18 18 | 4 56 | 12 51 | 0 21 | 22 12 | 1 12 | 8 32 | 0 50 | 2 19 | 1 29 | 18 33 | 1 9 | 23 30 | 0 9 | 13 22 | 0 47 | 7 12 | 16 52 | 21 52 | 21 38 | 9 2 | 18 29 | 5 5 | F 16 |
| S 17 | 20 17 | 13 51 | 5 6 | 12 17 | 0 31 | 22 18 | 1 9 | 8 18 | 0 49 | 2 19 | 1 29 | 18 34 | 1 9 | 23 30 | 0 9 | 13 21 | 0 47 | 7 12 | 16 53 | 21 50 | 21 37 | 9 5 | 18 28 | 5 5 | S 17 |
| S 18 | 20 5 | 8 55 | 5 1 | 11 43 | 0 41 | 22 24 | 1 7 | 8 3 | 0 48 | 2 19 | 1 29 | 18 35 | 1 9 | 23 30 | 0 9 | 13 20 | 0 47 | 7 12 | 16 53 | 21 49 | 21 37 | 9 8 | 18 28 | 5 5 | S 18 |
| M19 | 19 52 | 3 44 | 4 42 | 11 10 | 0 51 | 22 28 | 1 4 | 7 48 | 0 48 | 2 19 | 1 30 | 18 37 | 1 9 | 23 31 | 0 9 | 13 20 | 0 47 | 7 13 | 16 53 | 21 48 | 21 36 | 9 11 | 18 28 | 5 5 | M19 |
| T 20 | 19 39 | 1n30 | 4 11 | 10 36 | 1 2 | 22 32 | 1 1 | 7 32 | 0 47 | 2 19 | 1 30 | 18 38 | 1 10 | 23 31 | 0 9 | 13 19 | 0 47 | 7 13 | 16 54 | 21 47 | 21 36 | 9 14 | 18 28 | 5 6 | T 20 |
| W21 | 19 26 | 6 37 | 3 29 | 10 4 | 1 12 | 22 36 | 0 57 | 7 17 | 0 46 | 2 19 | 1 30 | 18 39 | 1 10 | 23 31 | 0 9 | 13 18 | 0 47 | 7 13 | 16 54 | 21 47 | 21 35 | 9 17 | 18 27 | 5 6 | W21 |
| T 22 | 19 12 | 11 29 | 2 39 | 9 32 | 1 23 | 22 39 | 0 54 | 7 2 | 0 46 | 2 19 | 1 31 | 18 41 | 1 10 | 23 31 | 0 9 | 13 17 | 0 47 | 7 14 | 16 54 | 21 47 | 21 35 | 9 20 | 18 27 | 5 6 | T 22 |
| F 23 | 18 58 | 15 57 | 1 41 | 9 1 | 1 34 | 22 41 | 0 51 | 6 47 | 0 45 | 2 19 | 1 31 | 18 42 | 1 10 | 23 31 | 0 9 | 13 17 | 0 47 | 7 14 | 16 55 | 21 47 | 21 34 | 9 23 | 18 27 | 5 7 | F 23 |
| S 24 | 18 44 | 19 50 | 0 39 | 8 30 | 1 45 | 22 42 | 0 48 | 6 32 | 0 44 | 2 19 | 1 31 | 18 43 | 1 10 | 23 31 | 0 9 | 13 16 | 0 47 | 7 14 | 16 55 | 21 47 | 21 34 | 9 26 | 18 26 | 5 7 | S 24 |
| S 25 | 18 29 | 22 56 | 0n26 | 8 1 | 1 56 | 22 43 | 0 45 | 6 16 | 0 44 | 2 18 | 1 31 | 18 45 | 1 10 | 23 32 | 0 9 | 13 15 | 0 47 | 7 15 | 16 55 | 21 47 | 21 33 | 9 29 | 18 26 | 5 7 | S 25 |
| M26 | 18 14 | 25 0 | 1 31 | 7 32 | 2 7 | 22 44 | 0 42 | 6 1 | 0 43 | 2 18 | 1 32 | 18 46 | 1 10 | 23 32 | 0 9 | 13 15 | 0 47 | 7 15 | 16 56 | 21 47 | 21 33 | 9 32 | 18 26 | 5 8 | M26 |
| T 27 | 17 59 | 25 51 | 2 34 | 7 5 | 2 18 | 22 43 | 0 39 | 5 45 | 0 42 | 2 17 | 1 32 | 18 47 | 1 10 | 23 32 | 0 9 | 13 14 | 0 47 | 7 16 | 16 56 | 21 46 | 21 32 | 9 35 | 18 25 | 5 8 | T 27 |
| W28 | 17 44 | 25 17 | 3 29 | 6 39 | 2 29 | 22 42 | 0 36 | 5 30 | 0 42 | 2 17 | 1 32 | 18 49 | 1 10 | 23 32 | 0 9 | 13 13 | 0 47 | 7 16 | 16 56 | 21 46 | 21 31 | 9 38 | 18 25 | 5 8 | W28 |
| T 29 | 17 28 | 23 15 | 4 15 | 6 14 | 2 40 | 22 41 | 0 33 | 5 14 | 0 41 | 2 16 | 1 33 | 18 50 | 1 10 | 23 32 | 0 9 | 13 12 | 0 47 | 7 16 | 16 57 | 21 44 | 21 31 | 9 41 | 18 25 | 5 9 | T 29 |
| F 30 | 17 12 | 19 50 | 4 46 | 5 51 | 2 51 | 22 39 | 0 30 | 4 58 | 0 41 | 2 16 | 1 33 | 18 51 | 1 10 | 23 32 | 0 9 | 13 12 | 0 47 | 7 17 | 16 57 | 21 43 | 21 30 | 9 44 | 18 24 | 5 9 | F 30 |
| S 31 | 16n55 | 15n14 | 5n 2 | 5n29 | 3s 2 | 22n36 | 0s27 | 4n43 | 0n40 | 2n15 | 1s33 | 18s53 | 1s11 | 23n33 | 0n 9 | 13n11 | 0n47 | 7s17 | 16s57 | 21n41 | 21n30 | 9n47 | 18n24 | 5s 9 | S 31 |

Julian Day Number = 2126301.5, Delta T = 17m12s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'33, Lahiri = 11°26'33 Julian Calendar 1 July 1109 == Greg. Calendar 8 July 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## AUGUST 1109 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 2 36 | 14♌13'24 | 16♍58 | 9♍17 | 12♋53 | 20♍20 | 9°R12 | 10°R14 | 23♊29 | 27♌24 | 21°R34 | 7°R25 | 6♊26 | 2♉50 | 0♋51 | S 1 |
| M 2 | 21 6 33 | 15°11'13 | 1♎18 | 9°40 | 14° 5 | 20°59 | 9♈10 | 10♒ 9 | 23°31 | 27°26 | 21♈33 | 7♊17 | 6°23 | 2°57 | 0°56 | M 2 |
| T 3 | 21 10 29 | 16° 9'03 | 15°38 | 9°58 | 15°16 | 21°37 | 9° 8 | 10° 5 | 23°34 | 27°28 | 21°33 | 7°11 | 6°19 | 3° 3 | 1° 1 | T 3 |
| W 4 | 21 14 26 | 17° 6'54 | 29°56 | 10°10 | 16°28 | 22°16 | 9° 5 | 10° 0 | 23°36 | 27°31 | 21°32 | 7° 8 | 6°16 | 3°10 | 1° 5 | W 4 |
| T 5 | 21 18 22 | 18° 4'47 | 14♏ 7 | 10°17 | 17°40 | 22°54 | 9° 3 | 9°56 | 23°39 | 27°33 | 21°32 | 7°D 7 | 6°13 | 3°17 | 1°10 | T 5 |
| F 6 | 21 22 19 | 19° 2'41 | 28°11 | 10°R19 | 18°53 | 23°33 | 9° 1 | 9°51 | 23°41 | 27°35 | 21°32 | 7° 7 | 6°10 | 3°23 | 1°15 | F 6 |
| S 7 | 21 26 16 | 20° 0'36 | 12♐ 7 | 10°15 | 20° 5 | 24°12 | 8°58 | 9°47 | 23°43 | 27°37 | 21°31 | 7°R 7 | 6° 7 | 3°30 | 1°19 | S 7 |
| S 8 | 21 30 12 | 20°58'33 | 25°54 | 10° 5 | 21°17 | 24°51 | 8°55 | 9°43 | 23°46 | 27°39 | 21°31 | 7° 6 | 6° 4 | 3°37 | 1°24 | S 8 |
| M 9 | 21 34 9 | 21°56'30 | 9♑32 | 9°49 | 22°29 | 25°29 | 8°52 | 9°38 | 23°48 | 27°42 | 21°30 | 7° 3 | 6° 0 | 3°43 | 1°28 | M 9 |
| T 10 | 21 38 5 | 22°54'30 | 23° 1 | 9°27 | 23°42 | 26° 8 | 8°48 | 9°34 | 23°50 | 27°44 | 21°30 | 6°57 | 5°57 | 3°50 | 1°33 | T 10 |
| W11 | 21 42 2 | 23°52'31 | 6♒19 | 8°59 | 24°54 | 26°47 | 8°45 | 9°30 | 23°52 | 27°46 | 21°29 | 6°48 | 5°54 | 3°57 | 1°37 | W11 |
| T 12 | 21 45 58 | 24°50'33 | 19°25 | 8°25 | 26° 7 | 27°26 | 8°41 | 9°25 | 23°55 | 27°48 | 21°29 | 6°36 | 5°51 | 4° 3 | 1°41 | T 12 |
| F 13 | 21 49 55 | 25°48'37 | 2♓17 | 7°45 | 27°19 | 28° 5 | 8°37 | 9°21 | 23°57 | 27°50 | 21°28 | 6°24 | 5°48 | 4°10 | 1°45 | F 13 |
| S 14 | 21 53 51 | 26°46'43 | 14°55 | 7° 0 | 28°32 | 28°44 | 8°33 | 9°17 | 23°59 | 27°53 | 21°28 | 6°11 | 5°44 | 4°17 | 1°50 | S 14 |
| S 15 | 21 57 48 | 27°44'50 | 27°19 | 6°10 | 29°45 | 29°24 | 8°29 | 9°13 | 24° 1 | 27°55 | 21°27 | 5°59 | 5°41 | 4°23 | 1°54 | S 15 |
| M16 | 22 1 45 | 28°43'00 | 9♈29 | 5°16 | 0♌57 | 0♎ 3 | 8°24 | 9° 9 | 24° 3 | 27°57 | 21°26 | 5°49 | 5°38 | 4°30 | 1°58 | M16 |
| T 17 | 22 5 41 | 29°41'11 | 21°29 | 4°19 | 2°10 | 0°42 | 8°20 | 9° 5 | 24° 5 | 27°59 | 21°26 | 5°41 | 5°35 | 4°37 | 2° 2 | T 17 |
| W18 | 22 9 38 | 0♍39'24 | 3♉21 | 3°21 | 3°23 | 1°22 | 8°15 | 9° 1 | 24° 7 | 28° 2 | 21°25 | 5°37 | 5°32 | 4°43 | 2° 6 | W18 |
| T 19 | 22 13 34 | 1°37'40 | 15° 9 | 2°21 | 4°36 | 2° 1 | 8°10 | 8°57 | 24° 9 | 28° 4 | 21°24 | 5°34 | 5°29 | 4°50 | 2°10 | T 19 |
| F 20 | 22 17 31 | 2°35'58 | 26°59 | 1°22 | 5°49 | 2°40 | 8° 5 | 8°53 | 24°10 | 28° 6 | 21°24 | 5°33 | 5°25 | 4°57 | 2°14 | F 20 |
| S 21 | 22 21 27 | 3°34'17 | 8♊55 | 0°25 | 7° 2 | 3°20 | 8° 0 | 8°49 | 24°12 | 28° 8 | 21°23 | 5°33 | 5°22 | 5° 3 | 2°17 | S 21 |
| S 22 | 22 25 24 | 4°32'39 | 21° 4 | 29♌31 | 8°15 | 4° 0 | 7°54 | 8°45 | 24°14 | 28°11 | 21°22 | 5°33 | 5°19 | 5°10 | 2°21 | S 22 |
| M23 | 22 29 20 | 5°31'03 | 3♋30 | 28°42 | 9°29 | 4°39 | 7°49 | 8°41 | 24°16 | 28°13 | 21°22 | 5°31 | 5°16 | 5°17 | 2°25 | M23 |
| T 24 | 22 33 17 | 6°29'29 | 16°19 | 27°58 | 10°42 | 5°19 | 7°43 | 8°37 | 24°17 | 28°15 | 21°21 | 5°27 | 5°13 | 5°23 | 2°28 | T 24 |
| W25 | 22 37 14 | 7°27'58 | 29°32 | 27°21 | 11°55 | 5°59 | 7°37 | 8°34 | 24°19 | 28°17 | 21°20 | 5°20 | 5°10 | 5°30 | 2°32 | W25 |
| T 26 | 22 41 10 | 8°26'28 | 13♌12 | 26°52 | 13° 9 | 6°39 | 7°31 | 8°30 | 24°20 | 28°19 | 21°19 | 5°10 | 5° 6 | 5°37 | 2°35 | T 26 |
| F 27 | 22 45 7 | 9°25'01 | 27°17 | 26°32 | 14°22 | 7°19 | 7°25 | 8°26 | 24°22 | 28°22 | 21°19 | 4°59 | 5° 3 | 5°43 | 2°39 | F 27 |
| S 28 | 22 49 3 | 10°23'35 | 11♍42 | 26°21 | 15°35 | 7°58 | 7°18 | 8°23 | 24°23 | 28°24 | 21°18 | 4°47 | 5° 0 | 5°50 | 2°42 | S 28 |
| S 29 | 22 53 0 | 11°22'11 | 26°22 | 26°D19 | 16°49 | 8°38 | 7°12 | 8°20 | 24°25 | 28°26 | 21°17 | 4°36 | 4°57 | 5°57 | 2°45 | S 29 |
| M30 | 22 56 56 | 12°20'50 | 11♎ 8 | 26°26 | 18° 3 | 9°19 | 7° 5 | 8°16 | 24°26 | 28°28 | 21°16 | 4°27 | 4°54 | 6° 3 | 2°49 | M30 |
| T 31 | 23 0 53 | 13♍19'30 | 25♎52 | 26♌44 | 19♌16 | 9♎59 | 6♈59 | 8♒13 | 24♊27 | 28♌30 | 21♈15 | 4♊20 | 4♊50 | 6♉10 | 2♋52 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n39 | 9n45 | 4n59 | 5n 9 | 3s12 | 22n32 | 0s24 | 4n27 | 0n39 | 2n14 | 1s33 | 18s54 | 1s11 | 23n33 | 0n 9 | 13n10 | 0n47 | 7s18 | 16s58 | 21n39 | 21n29 | 9n50 | 18n24 | 5s10 |
| M 2 | 16 22 | 3 43 | 4 37 | 4 52 | 3 22 | 22 28 | 0 21 | 4 11 | 0 39 | 2 13 | 1 34 | 18 55 | 1 11 | 23 33 | 0 9 | 13 9 | 0 47 | 7 18 | 16 58 | 21 38 | 21 29 | 9 53 | 18 23 | 5 10 |
| T 3 | 16 4 | 2s32 | 3 58 | 4 36 | 3 32 | 22 23 | 0 18 | 3 55 | 0 38 | 2 12 | 1 34 | 18 56 | 1 11 | 23 33 | 0 9 | 13 9 | 0 47 | 7 18 | 16 58 | 21 37 | 21 28 | 9 56 | 18 23 | 5 10 |
| W 4 | 15 47 | 8 38 | 3 4 | 4 23 | 3 41 | 22 18 | 0 15 | 3 39 | 0 37 | 2 11 | 1 34 | 18 58 | 1 11 | 23 33 | 0 9 | 13 8 | 0 47 | 7 19 | 16 59 | 21 36 | 21 28 | 9 59 | 18 22 | 5 11 |
| T 5 | 15 29 | 14 16 | 1 59 | 4 12 | 3 50 | 22 11 | 0 12 | 3 23 | 0 37 | 2 9 | 1 34 | 18 59 | 1 11 | 23 33 | 0 9 | 13 7 | 0 47 | 7 19 | 16 59 | 21 36 | 21 27 | 10 2 | 18 22 | 5 11 |
| F 6 | 15 11 | 19 5 | 0 47 | 4 4 | 3 58 | 22 5 | 0 9 | 3 7 | 0 36 | 2 8 | 1 35 | 19 0 | 1 11 | 23 33 | 0 9 | 13 6 | 0 47 | 7 20 | 16 59 | 21 36 | 21 27 | 10 5 | 18 21 | 5 12 |
| S 7 | 14 53 | 22 47 | 0s26 | 3 58 | 4 6 | 21 57 | 0 6 | 2 51 | 0 35 | 2 7 | 1 35 | 19 1 | 1 11 | 23 34 | 0 9 | 13 6 | 0 47 | 7 20 | 16 59 | 21 36 | 21 26 | 10 8 | 18 21 | 5 12 |
| S 8 | 14 34 | 25 7 | 1 38 | 3 56 | 4 12 | 21 49 | 0 3 | 2 35 | 0 35 | 2 5 | 1 35 | 19 3 | 1 11 | 23 34 | 0 9 | 13 5 | 0 47 | 7 21 | 17 0 | 21 36 | 21 25 | 10 11 | 18 21 | 5 12 |
| M 9 | 14 16 | 25 55 | 2 43 | 3 57 | 4 18 | 21 41 | 0n 0 | 2 19 | 0 34 | 2 4 | 1 36 | 19 4 | 1 11 | 23 34 | 0 9 | 13 4 | 0 47 | 7 21 | 17 0 | 21 36 | 21 25 | 10 14 | 18 20 | 5 13 |
| T 10 | 13 57 | 25 9 | 3 38 | 4 1 | 4 22 | 21 31 | 0 3 | 2 3 | 0 33 | 2 2 | 1 36 | 19 5 | 1 11 | 23 34 | 0 9 | 13 3 | 0 47 | 7 21 | 17 0 | 21 34 | 21 24 | 10 17 | 18 20 | 5 13 |
| W11 | 13 38 | 22 58 | 4 20 | 4 9 | 4 25 | 21 21 | 0 6 | 1 47 | 0 33 | 2 1 | 1 36 | 19 6 | 1 11 | 23 34 | 0 9 | 13 3 | 0 47 | 7 22 | 17 1 | 21 33 | 21 24 | 10 20 | 18 19 | 5 14 |
| T 12 | 13 18 | 19 37 | 4 47 | 4 20 | 4 27 | 21 11 | 0 9 | 1 31 | 0 32 | 1 59 | 1 36 | 19 8 | 1 11 | 23 34 | 0 9 | 13 2 | 0 47 | 7 22 | 17 1 | 21 31 | 21 23 | 10 23 | 18 19 | 5 14 |
| F 13 | 12 59 | 15 22 | 5 0 | 4 35 | 4 27 | 21 0 | 0 12 | 1 15 | 0 32 | 1 57 | 1 37 | 19 9 | 1 11 | 23 34 | 0 9 | 13 1 | 0 47 | 7 23 | 17 1 | 21 29 | 21 23 | 10 25 | 18 18 | 5 14 |
| S 14 | 12 39 | 10 32 | 4 57 | 4 53 | 4 25 | 20 48 | 0 15 | 0 59 | 0 31 | 1 56 | 1 37 | 19 10 | 1 11 | 23 34 | 0 9 | 13 0 | 0 47 | 7 23 | 17 2 | 21 27 | 21 22 | 10 28 | 18 18 | 5 15 |
| S 15 | 12 19 | 5 21 | 4 40 | 5 14 | 4 22 | 20 35 | 0 18 | 0 42 | 0 30 | 1 54 | 1 37 | 19 11 | 1 11 | 23 34 | 0 9 | 12 59 | 0 47 | 7 24 | 17 2 | 21 25 | 21 22 | 10 31 | 18 17 | 5 15 |
| M16 | 11 59 | 0 4 | 4 11 | 5 39 | 4 16 | 20 22 | 0 20 | 0 26 | 0 30 | 1 52 | 1 37 | 19 12 | 1 11 | 23 35 | 0 9 | 12 59 | 0 47 | 7 24 | 17 2 | 21 23 | 21 21 | 10 34 | 18 17 | 5 16 |
| T 17 | 11 38 | 5n10 | 3 31 | 6 6 | 4 9 | 20 9 | 0 23 | 0 10 | 0 29 | 1 50 | 1 37 | 19 13 | 1 11 | 23 35 | 0 9 | 12 58 | 0 47 | 7 25 | 17 2 | 21 22 | 21 20 | 10 37 | 18 16 | 5 16 |
| W18 | 11 18 | 10 9 | 2 42 | 6 36 | 4 0 | 19 55 | 0 26 | 0s 7 | 0 28 | 1 48 | 1 38 | 19 14 | 1 12 | 23 35 | 0 9 | 12 57 | 0 47 | 7 25 | 17 3 | 21 21 | 21 20 | 10 40 | 18 16 | 5 17 |
| T 19 | 10 57 | 14 46 | 1 46 | 7 8 | 3 48 | 19 40 | 0 28 | 0 23 | 0 28 | 1 45 | 1 38 | 19 16 | 1 12 | 23 35 | 0 9 | 12 56 | 0 47 | 7 26 | 17 3 | 21 20 | 21 19 | 10 43 | 18 15 | 5 17 |
| F 20 | 10 36 | 18 51 | 0 45 | 7 41 | 3 35 | 19 25 | 0 31 | 0 39 | 0 27 | 1 43 | 1 38 | 19 17 | 1 12 | 23 35 | 0 9 | 12 56 | 0 47 | 7 26 | 17 3 | 21 20 | 21 19 | 10 46 | 18 15 | 5 18 |
| S 21 | 10 15 | 22 11 | 0n18 | 8 15 | 3 20 | 19 9 | 0 34 | 0 56 | 0 26 | 1 41 | 1 38 | 19 18 | 1 12 | 23 35 | 0 9 | 12 55 | 0 47 | 7 27 | 17 3 | 21 20 | 21 18 | 10 49 | 18 14 | 5 18 |
| S 22 | 9 53 | 24 36 | 1 21 | 8 49 | 3 4 | 18 52 | 0 36 | 1 12 | 0 26 | 1 39 | 1 39 | 19 19 | 1 12 | 23 35 | 0 9 | 12 54 | 0 47 | 7 27 | 17 4 | 21 20 | 21 18 | 10 52 | 18 14 | 5 19 |
| M23 | 9 32 | 25 53 | 2 22 | 9 23 | 2 47 | 18 35 | 0 39 | 1 28 | 0 25 | 1 36 | 1 39 | 19 20 | 1 12 | 23 35 | 0 9 | 12 53 | 0 47 | 7 28 | 17 4 | 21 20 | 21 17 | 10 55 | 18 13 | 5 19 |
| T 24 | 9 10 | 25 49 | 3 18 | 9 55 | 2 29 | 18 18 | 0 41 | 1 45 | 0 25 | 1 34 | 1 39 | 19 21 | 1 12 | 23 35 | 0 9 | 12 53 | 0 47 | 7 28 | 17 4 | 21 19 | 21 16 | 10 58 | 18 13 | 5 19 |
| W25 | 8 49 | 24 20 | 4 5 | 10 25 | 2 10 | 18 0 | 0 43 | 2 1 | 0 24 | 1 31 | 1 39 | 19 22 | 1 12 | 23 35 | 0 9 | 12 52 | 0 47 | 7 29 | 17 4 | 21 18 | 21 16 | 11 1 | 18 12 | 5 20 |
| T 26 | 8 27 | 21 23 | 4 39 | 10 53 | 1 50 | 17 41 | 0 46 | 2 18 | 0 23 | 1 29 | 1 39 | 19 23 | 1 12 | 23 36 | 0 9 | 12 51 | 0 47 | 7 29 | 17 5 | 21 16 | 21 15 | 11 4 | 18 11 | 5 20 |
| F 27 | 8 5 | 17 8 | 4 58 | 11 19 | 1 31 | 17 22 | 0 48 | 2 34 | 0 23 | 1 26 | 1 39 | 19 24 | 1 12 | 23 36 | 0 9 | 12 50 | 0 47 | 7 30 | 17 5 | 21 14 | 21 15 | 11 7 | 18 11 | 5 21 |
| S 28 | 7 42 | 11 48 | 4 58 | 11 41 | 1 11 | 17 2 | 0 50 | 2 51 | 0 22 | 1 23 | 1 40 | 19 25 | 1 12 | 23 36 | 0 10 | 12 50 | 0 47 | 7 30 | 17 5 | 21 12 | 21 14 | 11 10 | 18 10 | 5 21 |
| S 29 | 7 20 | 5 43 | 4 39 | 11 59 | 0 52 | 16 42 | 0 53 | 3 7 | 0 21 | 1 21 | 1 40 | 19 26 | 1 12 | 23 36 | 0 10 | 12 49 | 0 47 | 7 31 | 17 5 | 21 10 | 21 14 | 11 12 | 18 10 | 5 22 |
| M30 | 6 58 | 0s43 | 4 2 | 12 14 | 0 34 | 16 22 | 0 55 | 3 23 | 0 21 | 1 18 | 1 40 | 19 26 | 1 12 | 23 36 | 0 10 | 12 48 | 0 47 | 7 31 | 17 5 | 21 8 | 21 13 | 11 15 | 18 9 | 5 22 |
| T 31 | 6n35 | 7s 7 | 3n 8 | 12n25 | 0s16 | 16n 1 | 0n57 | 3s40 | 0n20 | 1n15 | 1s40 | 19s27 | 1s12 | 23n36 | 0n10 | 12n47 | 0n47 | 7s32 | 17s 6 | 21n 7 | 21n12 | 11n18 | 18n 9 | 5s23 |

Julian Day Number = 2126332.5, Delta T = 17m12s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'37, Lahiri = 11°26'37 Julian Calendar 1 Aug. 1109 == Greg. Calendar 8 Aug. 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## SEPTEMBER 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 4 49 | 14♍18'11 | 10♏28 | 27♌10 | 20♌30 | 10♎39 | 6°R52 | 8°R10 | 24♊28 | 28♌32 | 21°R14 | 4°R16 | 4♊47 | 6♉16 | 2♋55 | W 1 |
| T 2 | 23 8 46 | 15°16'55 | 24°51 | 27°46 | 21°44 | 11°19 | 6♈45 | 8♒ 7 | 24°30 | 28°35 | 21♈14 | 4♊14 | 4°44 | 6°23 | 2°58 | T 2 |
| F 3 | 23 12 43 | 16°15'40 | 8♐58 | 28°31 | 22°58 | 11°59 | 6°38 | 8° 4 | 24°31 | 28°37 | 21°13 | 4°14 | 4°41 | 6°30 | 3° 1 | F 3 |
| S 4 | 23 16 39 | 17°14'28 | 22°50 | 29°24 | 24°11 | 12°40 | 6°31 | 8° 1 | 24°32 | 28°39 | 21°12 | 4°14 | 4°38 | 6°36 | 3° 3 | S 4 |
| S 5 | 23 20 36 | 18°13'16 | 6♑26 | 0♍24 | 25°25 | 13°20 | 6°23 | 7°58 | 24°33 | 28°41 | 21°11 | 4°13 | 4°35 | 6°43 | 3° 6 | S 5 |
| M 6 | 23 24 32 | 19°12'07 | 19°48 | 1°31 | 26°39 | 14° 1 | 6°16 | 7°55 | 24°34 | 28°43 | 21°10 | 4°10 | 4°31 | 6°50 | 3° 9 | M 6 |
| T 7 | 23 28 29 | 20°10'59 | 2♒56 | 2°45 | 27°53 | 14°41 | 6° 9 | 7°52 | 24°35 | 28°45 | 21° 9 | 4° 4 | 4°28 | 6°56 | 3°11 | T 7 |
| W 8 | 23 32 25 | 21° 9'54 | 15°53 | 4° 5 | 29° 7 | 15°22 | 6° 1 | 7°49 | 24°36 | 28°47 | 21° 8 | 3°55 | 4°25 | 7° 3 | 3°14 | W 8 |
| T 9 | 23 36 22 | 22° 8'50 | 28°39 | 5°29 | 0♍21 | 16° 2 | 5°53 | 7°47 | 24°37 | 28°49 | 21° 7 | 3°44 | 4°22 | 7°10 | 3°16 | T 9 |
| F 10 | 23 40 18 | 23° 7'48 | 11♓13 | 6°58 | 1°35 | 16°43 | 5°46 | 7°44 | 24°37 | 28°52 | 21° 6 | 3°32 | 4°19 | 7°16 | 3°19 | F 10 |
| S 11 | 23 44 15 | 24° 6'47 | 23°36 | 8°30 | 2°50 | 17°24 | 5°38 | 7°42 | 24°38 | 28°54 | 21° 5 | 3°19 | 4°15 | 7°23 | 3°21 | S 11 |
| S 12 | 23 48 12 | 25° 5'49 | 5♈48 | 10° 6 | 4° 4 | 18° 5 | 5°30 | 7°40 | 24°39 | 28°56 | 21° 4 | 3° 7 | 4°12 | 7°30 | 3°23 | S 12 |
| M13 | 23 52 8 | 26° 4'54 | 17°51 | 11°44 | 5°18 | 18°46 | 5°22 | 7°37 | 24°39 | 28°58 | 21° 3 | 2°57 | 4° 9 | 7°36 | 3°25 | M13 |
| T 14 | 23 56 5 | 27° 4'00 | 29°46 | 13°25 | 6°32 | 19°27 | 5°14 | 7°35 | 24°40 | 29° 0 | 21° 2 | 2°50 | 4° 6 | 7°43 | 3°27 | T 14 |
| W15 | 0 0 1 | 28° 3'08 | 11♉35 | 15° 7 | 7°47 | 20° 8 | 5° 6 | 7°33 | 24°40 | 29° 2 | 21° 1 | 2°45 | 4° 3 | 7°50 | 3°29 | W15 |
| T 16 | 0 3 58 | 29° 2'19 | 23°21 | 16°50 | 9° 1 | 20°49 | 4°58 | 7°31 | 24°41 | 29° 4 | 21° 0 | 2°43 | 4° 0 | 7°56 | 3°31 | T 16 |
| F 17 | 0 7 54 | 0♎ 1'32 | 5♊10 | 18°34 | 10°15 | 21°30 | 4°50 | 7°29 | 24°41 | 29° 6 | 20°59 | 2°D42 | 3°56 | 8° 3 | 3°33 | F 17 |
| S 18 | 0 11 51 | 1° 0'48 | 17° 5 | 20°20 | 11°30 | 22°11 | 4°42 | 7°28 | 24°42 | 29° 8 | 20°58 | 2°43 | 3°53 | 8°10 | 3°35 | S 18 |
| S 19 | 0 15 47 | 2° 0'06 | 29°11 | 22° 5 | 12°44 | 22°52 | 4°34 | 7°26 | 24°42 | 29°10 | 20°57 | 2°R44 | 3°50 | 8°16 | 3°37 | S 19 |
| M20 | 0 19 44 | 2°59'26 | 11♋35 | 23°51 | 13°59 | 23°33 | 4°26 | 7°24 | 24°42 | 29°12 | 20°56 | 2°43 | 3°47 | 8°23 | 3°38 | M20 |
| T 21 | 0 23 40 | 3°58'49 | 24°21 | 25°36 | 15°14 | 24°15 | 4°18 | 7°23 | 24°43 | 29°13 | 20°55 | 2°41 | 3°44 | 8°30 | 3°40 | T 21 |
| W22 | 0 27 37 | 4°58'14 | 7♌33 | 27°22 | 16°28 | 24°56 | 4°10 | 7°21 | 24°43 | 29°15 | 20°54 | 2°37 | 3°41 | 8°36 | 3°41 | W22 |
| T 23 | 0 31 34 | 5°57'41 | 21°13 | 29° 8 | 17°43 | 25°38 | 4° 2 | 7°20 | 24°43 | 29°17 | 20°53 | 2°30 | 3°37 | 8°43 | 3°42 | T 23 |
| F 24 | 0 35 30 | 6°57'10 | 5♍23 | 0♎53 | 18°58 | 26°19 | 3°54 | 7°19 | 24°R43 | 29°19 | 20°51 | 2°22 | 3°34 | 8°50 | 3°44 | F 24 |
| S 25 | 0 39 27 | 7°56'42 | 19°58 | 2°37 | 20°12 | 27° 1 | 3°46 | 7°18 | 24°43 | 29°21 | 20°50 | 2°13 | 3°31 | 8°56 | 3°45 | S 25 |
| S 26 | 0 43 23 | 8°56'16 | 4♎52 | 4°22 | 21°27 | 27°42 | 3°38 | 7°17 | 24°43 | 29°23 | 20°49 | 2° 5 | 3°28 | 9° 3 | 3°46 | S 26 |
| M27 | 0 47 20 | 9°55'52 | 19°57 | 6° 5 | 22°42 | 28°24 | 3°30 | 7°16 | 24°43 | 29°25 | 20°48 | 1°58 | 3°25 | 9°10 | 3°47 | M27 |
| T 28 | 0 51 16 | 10°55'30 | 5♏ 3 | 7°49 | 23°57 | 29° 6 | 3°22 | 7°15 | 24°42 | 29°26 | 20°47 | 1°53 | 3°21 | 9°16 | 3°48 | T 28 |
| W29 | 0 55 13 | 11°55'10 | 20° 1 | 9°31 | 25°12 | 29°48 | 3°14 | 7°14 | 24°42 | 29°28 | 20°46 | 1°50 | 3°18 | 9°23 | 3°48 | W29 |
| T 30 | 0 59 9 | 12♎54'52 | 4♐42 | 11♎13 | 26♍26 | 0♏30 | 3♈ 6 | 7♒14 | 24♊42 | 29♌30 | 20♈45 | 1°D50 | 3♊15 | 9♉30 | 3♋49 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n12 | 13s 6 | 2n 2 | 12n32 | 0n 1 | 15n39 | 0n59 | 3s56 | 0n19 | 1n12 | 1s40 | 19s28 | 1s12 | 23n36 | 0n10 | 12n47 | 0n47 | 7s32 | 17s 6 | 21n 6 | 21n12 | 11n21 | 18n 8 | 5s23 |
| T 2 | 5 50 | 18 16 | 0 50 | 12 34 | 0 17 | 15 17 | 1 1 | 4 13 | 0 19 | 1 9 | 1 40 | 19 29 | 1 12 | 23 36 | 0 10 | 12 46 | 0 47 | 7 33 | 17 6 | 21 6 | 21 11 | 11 24 | 18 7 | 5 24 |
| F 3 | 5 27 | 22 19 | 0s25 | 12 32 | 0 31 | 14 55 | 1 3 | 4 29 | 0 18 | 1 6 | 1 40 | 19 30 | 1 12 | 23 36 | 0 10 | 12 45 | 0 47 | 7 33 | 17 6 | 21 6 | 21 11 | 11 27 | 18 7 | 5 24 |
| S 4 | 5 4 | 24 58 | 1 37 | 12 26 | 0 45 | 14 32 | 1 5 | 4 45 | 0 18 | 1 3 | 1 41 | 19 30 | 1 12 | 23 36 | 0 10 | 12 44 | 0 47 | 7 34 | 17 6 | 21 6 | 21 10 | 11 30 | 18 6 | 5 25 |
| S 5 | 4 41 | 26 5 | 2 42 | 12 16 | 0 57 | 14 9 | 1 6 | 5 2 | 0 17 | 1 1 | 1 41 | 19 31 | 1 12 | 23 36 | 0 10 | 12 44 | 0 47 | 7 34 | 17 7 | 21 6 | 21 9 | 11 33 | 18 6 | 5 26 |
| M 6 | 4 18 | 25 39 | 3 37 | 12 3 | 1 8 | 13 45 | 1 8 | 5 18 | 0 16 | 0 57 | 1 41 | 19 32 | 1 12 | 23 36 | 0 10 | 12 43 | 0 47 | 7 35 | 17 7 | 21 5 | 21 9 | 11 36 | 18 5 | 5 26 |
| T 7 | 3 54 | 23 47 | 4 19 | 11 45 | 1 18 | 13 21 | 1 10 | 5 35 | 0 16 | 0 54 | 1 41 | 19 33 | 1 12 | 23 36 | 0 10 | 12 42 | 0 47 | 7 35 | 17 7 | 21 4 | 21 8 | 11 39 | 18 5 | 5 27 |
| W 8 | 3 31 | 20 43 | 4 47 | 11 24 | 1 26 | 12 57 | 1 11 | 5 51 | 0 15 | 0 51 | 1 41 | 19 33 | 1 12 | 23 36 | 0 10 | 12 42 | 0 47 | 7 36 | 17 7 | 21 2 | 21 8 | 11 42 | 18 4 | 5 27 |
| T 9 | 3 8 | 16 41 | 5 0 | 11 0 | 1 33 | 12 32 | 1 13 | 6 7 | 0 14 | 0 48 | 1 41 | 19 34 | 1 12 | 23 36 | 0 10 | 12 41 | 0 47 | 7 36 | 17 7 | 21 0 | 21 7 | 11 45 | 18 3 | 5 28 |
| F 10 | 2 44 | 12 0 | 4 59 | 10 32 | 1 40 | 12 7 | 1 14 | 6 23 | 0 14 | 0 45 | 1 41 | 19 35 | 1 12 | 23 37 | 0 10 | 12 40 | 0 47 | 7 37 | 17 7 | 20 58 | 21 7 | 11 47 | 18 3 | 5 28 |
| S 11 | 2 21 | 6 53 | 4 43 | 10 2 | 1 45 | 11 42 | 1 16 | 6 40 | 0 13 | 0 42 | 1 41 | 19 35 | 1 12 | 23 37 | 0 10 | 12 39 | 0 47 | 7 37 | 17 8 | 20 55 | 21 6 | 11 50 | 18 2 | 5 29 |
| S 12 | 1 57 | 1 35 | 4 15 | 9 29 | 1 48 | 11 16 | 1 17 | 6 56 | 0 12 | 0 39 | 1 41 | 19 36 | 1 12 | 23 37 | 0 10 | 12 39 | 0 47 | 7 38 | 17 8 | 20 53 | 21 5 | 11 53 | 18 2 | 5 29 |
| M13 | 1 34 | 3n44 | 3 35 | 8 55 | 1 51 | 10 50 | 1 18 | 7 12 | 0 12 | 0 36 | 1 41 | 19 36 | 1 12 | 23 37 | 0 10 | 12 38 | 0 47 | 7 38 | 17 8 | 20 51 | 21 5 | 11 56 | 18 1 | 5 30 |
| T 14 | 1 10 | 8 51 | 2 46 | 8 18 | 1 53 | 10 23 | 1 20 | 7 28 | 0 11 | 0 32 | 1 41 | 19 37 | 1 12 | 23 37 | 0 10 | 12 37 | 0 48 | 7 39 | 17 8 | 20 50 | 21 4 | 11 59 | 18 0 | 5 30 |
| W15 | 0 47 | 13 38 | 1 50 | 7 39 | 1 54 | 9 57 | 1 21 | 7 44 | 0 11 | 0 29 | 1 41 | 19 37 | 1 12 | 23 37 | 0 10 | 12 37 | 0 48 | 7 39 | 17 8 | 20 49 | 21 4 | 12 2 | 18 0 | 5 31 |
| T 16 | 0 23 | 17 54 | 0 50 | 6 59 | 1 55 | 9 30 | 1 22 | 8 1 | 0 10 | 0 26 | 1 41 | 19 38 | 1 12 | 23 37 | 0 10 | 12 36 | 0 48 | 7 40 | 17 8 | 20 48 | 21 3 | 12 5 | 17 59 | 5 32 |
| F 17 | 0s 1 | 21 29 | 0n13 | 6 18 | 1 54 | 9 2 | 1 23 | 8 17 | 0 9 | 0 23 | 1 42 | 19 38 | 1 12 | 23 37 | 0 10 | 12 35 | 0 48 | 7 40 | 17 8 | 20 48 | 21 2 | 12 8 | 17 58 | 5 32 |
| S 18 | 0 24 | 24 11 | 1 16 | 5 35 | 1 53 | 8 35 | 1 24 | 8 33 | 0 9 | 0 20 | 1 42 | 19 39 | 1 12 | 23 37 | 0 10 | 12 35 | 0 48 | 7 40 | 17 9 | 20 48 | 21 2 | 12 11 | 17 58 | 5 33 |
| S 19 | 0 48 | 25 50 | 2 17 | 4 52 | 1 51 | 8 7 | 1 25 | 8 49 | 0 8 | 0 16 | 1 42 | 19 39 | 1 11 | 23 37 | 0 10 | 12 34 | 0 48 | 7 41 | 17 9 | 20 48 | 21 1 | 12 14 | 17 57 | 5 33 |
| M20 | 1 12 | 26 15 | 3 13 | 4 7 | 1 49 | 7 39 | 1 26 | 9 5 | 0 7 | 0 13 | 1 42 | 19 40 | 1 11 | 23 37 | 0 10 | 12 33 | 0 48 | 7 41 | 17 9 | 20 48 | 21 1 | 12 16 | 17 57 | 5 34 |
| T 21 | 1 35 | 25 18 | 4 1 | 3 23 | 1 46 | 7 11 | 1 26 | 9 20 | 0 7 | 0 10 | 1 42 | 19 40 | 1 11 | 23 37 | 0 10 | 12 33 | 0 48 | 7 42 | 17 9 | 20 48 | 21 0 | 12 19 | 17 56 | 5 34 |
| W22 | 1 59 | 22 56 | 4 37 | 2 37 | 1 43 | 6 42 | 1 27 | 9 36 | 0 6 | 0 7 | 1 42 | 19 40 | 1 11 | 23 37 | 0 10 | 12 32 | 0 48 | 7 42 | 17 9 | 20 47 | 20 59 | 12 22 | 17 55 | 5 35 |
| T 23 | 2 23 | 19 13 | 5 0 | 1 52 | 1 39 | 6 13 | 1 28 | 9 52 | 0 5 | 0 4 | 1 41 | 19 41 | 1 11 | 23 37 | 0 10 | 12 31 | 0 48 | 7 43 | 17 9 | 20 46 | 20 59 | 12 25 | 17 55 | 5 36 |
| F 24 | 2 46 | 14 19 | 5 5 | 1 6 | 1 35 | 5 44 | 1 28 | 10 8 | 0 5 | 0 0 | 1 41 | 19 41 | 1 11 | 23 37 | 0 10 | 12 31 | 0 48 | 7 43 | 17 9 | 20 44 | 20 58 | 12 28 | 17 54 | 5 36 |
| S 25 | 3 10 | 8 27 | 4 52 | 0 20 | 1 30 | 5 15 | 1 29 | 10 24 | 0 4 | 0s 3 | 1 41 | 19 41 | 1 11 | 23 37 | 0 10 | 12 30 | 0 48 | 7 44 | 17 9 | 20 42 | 20 58 | 12 31 | 17 54 | 5 37 |
| S 26 | 3 34 | 2 0 | 4 18 | 0s26 | 1 25 | 4 46 | 1 29 | 10 39 | 0 4 | 0 6 | 1 41 | 19 41 | 1 11 | 23 37 | 0 10 | 12 29 | 0 48 | 7 44 | 17 9 | 20 41 | 20 57 | 12 34 | 17 53 | 5 37 |
| M27 | 3 57 | 4s40 | 3 26 | 1 12 | 1 20 | 4 17 | 1 29 | 10 55 | 0 3 | 0 9 | 1 41 | 19 42 | 1 11 | 23 37 | 0 10 | 12 29 | 0 48 | 7 45 | 17 9 | 20 39 | 20 56 | 12 37 | 17 52 | 5 38 |
| T 28 | 4 21 | 11 5 | 2 19 | 1 58 | 1 15 | 3 47 | 1 30 | 11 10 | 0 2 | 0 12 | 1 41 | 19 42 | 1 11 | 23 37 | 0 10 | 12 28 | 0 48 | 7 45 | 17 9 | 20 38 | 20 56 | 12 40 | 17 52 | 5 38 |
| W29 | 4 44 | 16 49 | 1 3 | 2 44 | 1 9 | 3 18 | 1 30 | 11 26 | 0 2 | 0 15 | 1 41 | 19 42 | 1 11 | 23 37 | 0 10 | 12 28 | 0 48 | 7 46 | 17 9 | 20 38 | 20 55 | 12 42 | 17 51 | 5 39 |
| T 30 | 5s 7 | 21s26 | 0s16 | 3s29 | 1n 3 | 2n48 | 1n30 | 11s41 | 0n 1 | 0s18 | 1s41 | 19s42 | 1s11 | 23n37 | 0n10 | 12n27 | 0n48 | 7s46 | 17s 9 | 20n38 | 20n55 | 12n45 | 17n51 | 5s40 |

Julian Day Number = 2126363.5, Delta T = 17m12s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'41, Lahiri = 11°26'42 Julian Calendar 1 Sept. 1109 == Greg. Calendar 8 Sept. 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## OCTOBER 1109 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 3 6 | 13♎54'35 | 19♐ 4 | 12♎55 | 27♍41 | 1♏11 | 2°R58 | 7°R13 | 24°R42 | 29♌32 | 20°R44 | 1♊51 | 3♊12 | 9♉36 | 3♋50 | F 1 |
| S 2 | 1 7 3 | 14°54'21 | 3♑ 3 | 14°36 | 28°56 | 1°53 | 2♈50 | 7♒13 | 24♊41 | 29°33 | 20♈43 | 1°52 | 3° 9 | 9°43 | 3°50 | S 2 |
| S 3 | 1 10 59 | 15°54'08 | 16°40 | 16°16 | 0♎11 | 2°36 | 2°43 | 7°13 | 24°41 | 29°35 | 20°41 | 1°R52 | 3° 6 | 9°50 | 3°51 | S 3 |
| M 4 | 1 14 56 | 16°53'57 | 29°57 | 17°56 | 1°26 | 3°18 | 2°35 | 7°12 | 24°40 | 29°37 | 20°40 | 1°51 | 3° 2 | 9°56 | 3°51 | M 4 |
| T 5 | 1 18 52 | 17°53'47 | 12♒56 | 19°35 | 2°41 | 4° 0 | 2°27 | 7°D12 | 24°40 | 29°38 | 20°39 | 1°48 | 2°59 | 10° 3 | 3°51 | T 5 |
| W 6 | 1 22 49 | 18°53'39 | 25°38 | 21°13 | 3°56 | 4°42 | 2°20 | 7°12 | 24°39 | 29°40 | 20°38 | 1°44 | 2°56 | 10°10 | 3°52 | W 6 |
| T 7 | 1 26 45 | 19°53'33 | 8♓ 8 | 22°51 | 5°11 | 5°24 | 2°13 | 7°12 | 24°39 | 29°41 | 20°37 | 1°37 | 2°53 | 10°16 | 3°52 | T 7 |
| F 8 | 1 30 42 | 20°53'29 | 20°27 | 24°29 | 6°26 | 6° 7 | 2° 5 | 7°13 | 24°38 | 29°43 | 20°36 | 1°30 | 2°50 | 10°23 | 3°R52 | F 8 |
| S 9 | 1 34 38 | 21°53'26 | 2♈36 | 26° 6 | 7°42 | 6°49 | 1°58 | 7°13 | 24°37 | 29°44 | 20°35 | 1°22 | 2°47 | 10°30 | 3°52 | S 9 |
| S 10 | 1 38 35 | 22°53'25 | 14°37 | 27°42 | 8°57 | 7°31 | 1°51 | 7°13 | 24°36 | 29°46 | 20°33 | 1°15 | 2°43 | 10°36 | 3°51 | S 10 |
| M11 | 1 42 32 | 23°53'26 | 26°32 | 29°18 | 10°12 | 8°14 | 1°44 | 7°14 | 24°35 | 29°47 | 20°32 | 1° 9 | 2°40 | 10°43 | 3°51 | M11 |
| T 12 | 1 46 28 | 24°53'30 | 8♉22 | 0♏54 | 11°27 | 8°57 | 1°37 | 7°15 | 24°34 | 29°49 | 20°31 | 1° 5 | 2°37 | 10°49 | 3°51 | T 12 |
| W13 | 1 50 25 | 25°53'35 | 20°10 | 2°29 | 12°42 | 9°39 | 1°31 | 7°15 | 24°34 | 29°50 | 20°30 | 1° 2 | 2°34 | 10°56 | 3°50 | W13 |
| T 14 | 1 54 21 | 26°53'42 | 1♊57 | 4° 3 | 13°57 | 10°22 | 1°24 | 7°16 | 24°33 | 29°52 | 20°29 | 1°D 2 | 2°31 | 11° 3 | 3°50 | T 14 |
| F 15 | 1 58 18 | 27°53'51 | 13°47 | 5°37 | 15°13 | 11° 5 | 1°18 | 7°17 | 24°32 | 29°53 | 20°28 | 1° 2 | 2°27 | 11° 9 | 3°49 | F 15 |
| S 16 | 2 2 14 | 28°54'02 | 25°44 | 7°11 | 16°28 | 11°47 | 1°11 | 7°18 | 24°30 | 29°54 | 20°27 | 1° 4 | 2°24 | 11°16 | 3°49 | S 16 |
| S 17 | 2 6 11 | 29°54'15 | 7♋51 | 8°44 | 17°43 | 12°30 | 1° 5 | 7°19 | 24°29 | 29°56 | 20°26 | 1° 6 | 2°21 | 11°23 | 3°48 | S 17 |
| M18 | 2 10 7 | 0♏54'31 | 20°13 | 10°17 | 18°58 | 13°13 | 0°59 | 7°20 | 24°28 | 29°57 | 20°24 | 1° 7 | 2°18 | 11°29 | 3°47 | M18 |
| T 19 | 2 14 4 | 1°54'48 | 2♌55 | 11°50 | 20°14 | 13°56 | 0°53 | 7°22 | 24°27 | 29°58 | 20°23 | 1°R 8 | 2°15 | 11°36 | 3°46 | T 19 |
| W20 | 2 18 1 | 2°55'08 | 16° 0 | 13°22 | 21°29 | 14°39 | 0°48 | 7°23 | 24°26 | 29°59 | 20°22 | 1° 7 | 2°12 | 11°43 | 3°45 | W20 |
| T 21 | 2 21 57 | 3°55'29 | 29°33 | 14°54 | 22°44 | 15°22 | 0°42 | 7°25 | 24°24 | 0♍ 1 | 20°21 | 1° 5 | 2° 8 | 11°49 | 3°44 | T 21 |
| F 22 | 2 25 54 | 4°55'52 | 13♍34 | 16°26 | 24° 0 | 16° 5 | 0°37 | 7°26 | 24°23 | 0° 2 | 20°20 | 1° 2 | 2° 5 | 11°56 | 3°43 | F 22 |
| S 23 | 2 29 50 | 5°56'18 | 28° 2 | 17°57 | 25°15 | 16°49 | 0°31 | 7°28 | 24°21 | 0° 3 | 20°19 | 0°58 | 2° 2 | 12° 3 | 3°41 | S 23 |
| S 24 | 2 33 47 | 6°56'45 | 12♎54 | 19°28 | 26°31 | 17°32 | 0°26 | 7°30 | 24°20 | 0° 4 | 20°18 | 0°55 | 1°59 | 12° 9 | 3°40 | S 24 |
| M25 | 2 37 43 | 7°57'14 | 28° 2 | 20°58 | 27°46 | 18°15 | 0°21 | 7°32 | 24°18 | 0° 5 | 20°17 | 0°52 | 1°56 | 12°16 | 3°39 | M25 |
| T 26 | 2 41 40 | 8°57'45 | 13♏16 | 22°28 | 29° 1 | 18°59 | 0°17 | 7°34 | 24°17 | 0° 6 | 20°16 | 0°50 | 1°52 | 12°23 | 3°37 | T 26 |
| W27 | 2 45 36 | 9°58'17 | 28°28 | 23°58 | 0♏17 | 19°42 | 0°12 | 7°36 | 24°15 | 0° 7 | 20°15 | 0°D49 | 1°49 | 12°29 | 3°35 | W27 |
| T 28 | 2 49 33 | 10°58'51 | 13♐27 | 25°28 | 1°32 | 20°25 | 0° 8 | 7°39 | 24°14 | 0° 8 | 20°14 | 0°50 | 1°46 | 12°36 | 3°34 | T 28 |
| F 29 | 2 53 30 | 11°59'26 | 28° 6 | 26°57 | 2°48 | 21° 9 | 0° 3 | 7°41 | 24°12 | 0° 9 | 20°12 | 0°51 | 1°43 | 12°43 | 3°32 | F 29 |
| S 30 | 2 57 26 | 13° 0'03 | 12♑20 | 28°25 | 4° 3 | 21°53 | 29♓59 | 7°43 | 24°10 | 0°10 | 20°11 | 0°52 | 1°40 | 12°49 | 3°30 | S 30 |
| S 31 | 3 1 23 | 14♏ 0'41 | 26♑ 8 | 29♏53 | 5♏19 | 22♏36 | 29♓56 | 7♒46 | 24♊ 8 | 0♍11 | 20♈10 | 0♊53 | 1♊37 | 12♉56 | 3♋28 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s31 | 24s38 | 1s32 | 4s15 | 0n57 | 2n18 | 1n30 | 11s56 | 0n 0 | 0s21 | 1s41 | 19s42 | 1s11 | 23n37 | 0n10 | 12n27 | 0n48 | 7s46 | 17s 9 | 20n38 | 20n54 | 12n48 | 17n50 | 5s40 |
| S 2 | 5 54 | 26 12 | 2 41 | 5 0 | 0 51 | 1 48 | 1 30 | 12 12 | 0s 0 | 0 24 | 1 41 | 19 42 | 1 11 | 23 37 | 0 10 | 12 26 | 0 48 | 7 47 | 17 9 | 20 38 | 20 53 | 12 51 | 17 49 | 5 41 |
| S 3 | 6 17 | 26 7 | 3 38 | 5 44 | 0 45 | 1 18 | 1 30 | 12 27 | 0 1 | 0 27 | 1 41 | 19 42 | 1 11 | 23 37 | 0 10 | 12 25 | 0 48 | 7 47 | 17 9 | 20 38 | 20 53 | 12 54 | 17 49 | 5 41 |
| M 4 | 6 40 | 24 32 | 4 23 | 6 28 | 0 39 | 0 48 | 1 30 | 12 42 | 0 1 | 0 30 | 1 41 | 19 42 | 1 11 | 23 37 | 0 10 | 12 25 | 0 48 | 7 48 | 17 10 | 20 38 | 20 52 | 12 57 | 17 48 | 5 42 |
| T 5 | 7 3 | 21 41 | 4 53 | 7 12 | 0 32 | 0 18 | 1 30 | 12 57 | 0 2 | 0 33 | 1 41 | 19 42 | 1 11 | 23 37 | 0 10 | 12 24 | 0 48 | 7 48 | 17 10 | 20 37 | 20 51 | 13 0 | 17 48 | 5 42 |
| W 6 | 7 26 | 17 51 | 5 8 | 7 55 | 0 26 | 0s13 | 1 29 | 13 12 | 0 3 | 0 36 | 1 40 | 19 42 | 1 11 | 23 37 | 0 10 | 12 24 | 0 48 | 7 49 | 17 10 | 20 36 | 20 51 | 13 2 | 17 47 | 5 43 |
| T 7 | 7 49 | 13 18 | 5 7 | 8 38 | 0 19 | 0 43 | 1 29 | 13 26 | 0 3 | 0 39 | 1 40 | 19 42 | 1 11 | 23 37 | 0 10 | 12 23 | 0 48 | 7 49 | 17 10 | 20 35 | 20 50 | 13 5 | 17 46 | 5 44 |
| F 8 | 8 12 | 8 17 | 4 53 | 9 21 | 0 12 | 1 13 | 1 29 | 13 41 | 0 4 | 0 42 | 1 40 | 19 42 | 1 11 | 23 37 | 0 10 | 12 23 | 0 48 | 7 49 | 17 9 | 20 34 | 20 50 | 13 8 | 17 46 | 5 44 |
| S 9 | 8 34 | 3 1 | 4 25 | 10 2 | 0 6 | 1 43 | 1 28 | 13 56 | 0 5 | 0 44 | 1 40 | 19 42 | 1 11 | 23 37 | 0 10 | 12 22 | 0 48 | 7 50 | 17 9 | 20 32 | 20 49 | 13 11 | 17 45 | 5 45 |
| S 10 | 8 57 | 2n19 | 3 46 | 10 43 | 0s 1 | 2 13 | 1 27 | 14 10 | 0 5 | 0 47 | 1 40 | 19 42 | 1 11 | 23 37 | 0 10 | 12 22 | 0 48 | 7 50 | 17 9 | 20 31 | 20 48 | 13 14 | 17 45 | 5 45 |
| M11 | 9 19 | 7 32 | 2 57 | 11 24 | 0 8 | 2 44 | 1 27 | 14 25 | 0 6 | 0 50 | 1 40 | 19 42 | 1 11 | 23 37 | 0 10 | 12 21 | 0 48 | 7 51 | 17 9 | 20 29 | 20 48 | 13 17 | 17 44 | 5 46 |
| T 12 | 9 41 | 12 28 | 2 1 | 12 4 | 0 14 | 3 14 | 1 26 | 14 39 | 0 6 | 0 52 | 1 40 | 19 41 | 1 11 | 23 37 | 0 10 | 12 21 | 0 48 | 7 51 | 17 9 | 20 29 | 20 47 | 13 20 | 17 44 | 5 47 |
| W13 | 10 3 | 16 55 | 0 59 | 12 43 | 0 21 | 3 44 | 1 25 | 14 53 | 0 7 | 0 55 | 1 39 | 19 41 | 1 11 | 23 37 | 0 10 | 12 20 | 0 48 | 7 51 | 17 9 | 20 28 | 20 46 | 13 22 | 17 43 | 5 47 |
| T 14 | 10 25 | 20 44 | 0n 5 | 13 22 | 0 28 | 4 14 | 1 25 | 15 7 | 0 8 | 0 57 | 1 39 | 19 41 | 1 11 | 23 37 | 0 10 | 12 20 | 0 48 | 7 52 | 17 9 | 20 28 | 20 46 | 13 25 | 17 42 | 5 48 |
| F 15 | 10 47 | 23 43 | 1 9 | 14 0 | 0 34 | 4 44 | 1 24 | 15 21 | 0 8 | 1 0 | 1 39 | 19 41 | 1 10 | 23 37 | 0 10 | 12 19 | 0 48 | 7 52 | 17 9 | 20 28 | 20 45 | 13 28 | 17 42 | 5 48 |
| S 16 | 11 8 | 25 40 | 2 11 | 14 37 | 0 41 | 5 14 | 1 23 | 15 35 | 0 9 | 1 2 | 1 39 | 19 40 | 1 10 | 23 37 | 0 10 | 12 19 | 0 48 | 7 52 | 17 9 | 20 28 | 20 45 | 13 31 | 17 41 | 5 49 |
| S 17 | 11 30 | 26 27 | 3 8 | 15 14 | 0 47 | 5 44 | 1 22 | 15 49 | 0 10 | 1 4 | 1 39 | 19 40 | 1 10 | 23 37 | 0 10 | 12 18 | 0 48 | 7 53 | 17 9 | 20 29 | 20 44 | 13 34 | 17 41 | 5 49 |
| M18 | 11 51 | 25 57 | 3 58 | 15 50 | 0 54 | 6 13 | 1 21 | 16 3 | 0 10 | 1 7 | 1 38 | 19 40 | 1 10 | 23 37 | 0 10 | 12 18 | 0 48 | 7 53 | 17 9 | 20 29 | 20 43 | 13 37 | 17 40 | 5 50 |
| T 19 | 12 12 | 24 6 | 4 37 | 16 25 | 1 0 | 6 43 | 1 20 | 16 16 | 0 11 | 1 9 | 1 38 | 19 39 | 1 10 | 23 37 | 0 10 | 12 18 | 0 49 | 7 53 | 17 9 | 20 29 | 20 43 | 13 39 | 17 40 | 5 51 |
| W20 | 12 33 | 20 56 | 5 4 | 16 59 | 1 6 | 7 12 | 1 18 | 16 30 | 0 11 | 1 11 | 1 38 | 19 39 | 1 10 | 23 37 | 0 10 | 12 17 | 0 49 | 7 54 | 17 9 | 20 29 | 20 42 | 13 42 | 17 39 | 5 51 |
| T 21 | 12 53 | 16 35 | 5 14 | 17 32 | 1 12 | 7 42 | 1 17 | 16 43 | 0 12 | 1 13 | 1 38 | 19 38 | 1 10 | 23 37 | 0 10 | 12 17 | 0 49 | 7 54 | 17 9 | 20 29 | 20 41 | 13 45 | 17 39 | 5 52 |
| F 22 | 13 14 | 11 13 | 5 7 | 18 5 | 1 18 | 8 11 | 1 16 | 16 56 | 0 13 | 1 15 | 1 37 | 19 38 | 1 10 | 23 37 | 0 11 | 12 16 | 0 49 | 7 54 | 17 9 | 20 28 | 20 41 | 13 48 | 17 38 | 5 52 |
| S 23 | 13 34 | 5 4 | 4 40 | 18 36 | 1 24 | 8 40 | 1 15 | 17 9 | 0 13 | 1 17 | 1 37 | 19 37 | 1 10 | 23 37 | 0 11 | 12 16 | 0 49 | 7 55 | 17 9 | 20 27 | 20 40 | 13 51 | 17 38 | 5 53 |
| S 24 | 13 54 | 1s31 | 3 54 | 19 7 | 1 30 | 9 8 | 1 13 | 17 22 | 0 14 | 1 18 | 1 37 | 19 37 | 1 10 | 23 37 | 0 11 | 12 16 | 0 49 | 7 55 | 17 8 | 20 26 | 20 40 | 13 54 | 17 37 | 5 53 |
| M25 | 14 14 | 8 10 | 2 51 | 19 37 | 1 35 | 9 37 | 1 12 | 17 35 | 0 15 | 1 20 | 1 37 | 19 36 | 1 10 | 23 37 | 0 11 | 12 15 | 0 49 | 7 55 | 17 8 | 20 26 | 20 39 | 13 56 | 17 37 | 5 54 |
| T 26 | 14 33 | 14 23 | 1 35 | 20 6 | 1 40 | 10 5 | 1 10 | 17 47 | 0 15 | 1 22 | 1 37 | 19 36 | 1 10 | 23 36 | 0 11 | 12 15 | 0 49 | 7 55 | 17 8 | 20 25 | 20 38 | 13 59 | 17 36 | 5 54 |
| W27 | 14 53 | 19 42 | 0 13 | 20 34 | 1 46 | 10 33 | 1 9 | 18 0 | 0 16 | 1 23 | 1 36 | 19 35 | 1 10 | 23 36 | 0 11 | 12 15 | 0 49 | 7 56 | 17 8 | 20 25 | 20 38 | 14 2 | 17 36 | 5 55 |
| T 28 | 15 12 | 23 40 | 1s 9 | 21 0 | 1 51 | 11 1 | 1 7 | 18 12 | 0 16 | 1 25 | 1 36 | 19 34 | 1 10 | 23 36 | 0 11 | 12 14 | 0 49 | 7 56 | 17 8 | 20 25 | 20 37 | 14 5 | 17 35 | 5 55 |
| F 29 | 15 30 | 25 58 | 2 25 | 21 26 | 1 55 | 11 29 | 1 5 | 18 24 | 0 17 | 1 26 | 1 36 | 19 34 | 1 10 | 23 36 | 0 11 | 12 14 | 0 49 | 7 56 | 17 8 | 20 26 | 20 36 | 14 8 | 17 35 | 5 56 |
| S 30 | 15 49 | 26 28 | 3 30 | 21 51 | 2 0 | 11 56 | 1 4 | 18 36 | 0 18 | 1 28 | 1 35 | 19 33 | 1 10 | 23 36 | 0 11 | 12 14 | 0 49 | 7 56 | 17 8 | 20 26 | 20 36 | 14 10 | 17 34 | 5 56 |
| S 31 | 16s 7 | 25s17 | 4s20 | 22s15 | 2s 4 | 12s23 | 1n 2 | 18s48 | 0s18 | 1s29 | 1s35 | 19s32 | 1s10 | 23n36 | 0n11 | 12n13 | 0n49 | 7s57 | 17s 7 | 20n26 | 20n35 | 14n13 | 17n34 | 5s57 |

Julian Day Number = 2126393.5, Delta T = 17m12s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'45, Lahiri = 11°26'46 Julian Calendar 1 Oct. 1109 == Greg. Calendar 8 Oct. 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## NOVEMBER 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 5 19 | 15♏ 1'20 | 9♒30 | 1♐21 | 6♏34 | 23♏20 | 29°R52 | 7♒49 | 24°R 7 | 0♍12 | 20°R 9 | 0°R54 | 1♊33 | 13♉ 3 | 3°R26 | M 1 |
| T 2 | 3 9 16 | 16° 2'00 | 22°28 | 2°48 | 7°50 | 24° 4 | 29♓49 | 7°51 | 24♊ 5 | 0°13 | 20♈ 8 | 0♊54 | 1°30 | 13° 9 | 3♋24 | T 2 |
| W 3 | 3 13 12 | 17° 2'42 | 5♓ 7 | 4°15 | 9° 5 | 24°48 | 29°45 | 7°54 | 24° 3 | 0°14 | 20° 7 | 0°53 | 1°27 | 13°16 | 3°22 | W 3 |
| T 4 | 3 17 9 | 18° 3'24 | 17°29 | 5°41 | 10°21 | 25°31 | 29°42 | 7°57 | 24° 1 | 0°15 | 20° 6 | 0°52 | 1°24 | 13°23 | 3°19 | T 4 |
| F 5 | 3 21 5 | 19° 4'07 | 29°38 | 7° 6 | 11°36 | 26°15 | 29°40 | 8° 0 | 23°59 | 0°15 | 20° 5 | 0°50 | 1°21 | 13°29 | 3°17 | F 5 |
| S 6 | 3 25 2 | 20° 4'52 | 11♈37 | 8°31 | 12°51 | 26°59 | 29°37 | 8° 3 | 23°57 | 0°16 | 20° 4 | 0°48 | 1°18 | 13°36 | 3°15 | S 6 |
| S 7 | 3 28 59 | 21° 5'38 | 23°30 | 9°54 | 14° 7 | 27°43 | 29°35 | 8° 6 | 23°55 | 0°17 | 20° 3 | 0°47 | 1°14 | 13°42 | 3°12 | S 7 |
| M 8 | 3 32 55 | 22° 6'25 | 5♉20 | 11°16 | 15°22 | 28°27 | 29°32 | 8°10 | 23°53 | 0°17 | 20° 3 | 0°46 | 1°11 | 13°49 | 3°10 | M 8 |
| T 9 | 3 36 52 | 23° 7'13 | 17° 8 | 12°37 | 16°38 | 29°11 | 29°30 | 8°13 | 23°51 | 0°18 | 20° 2 | 0°45 | 1° 8 | 13°56 | 3° 7 | T 9 |
| W10 | 3 40 48 | 24° 8'03 | 28°57 | 13°57 | 17°53 | 29°56 | 29°28 | 8°17 | 23°49 | 0°18 | 20° 1 | 0°D45 | 1° 5 | 14° 2 | 3° 4 | W10 |
| T 11 | 3 44 45 | 25° 8'53 | 10♊49 | 15°15 | 19° 9 | 0♐40 | 29°27 | 8°20 | 23°47 | 0°19 | 20° 0 | 0°45 | 1° 2 | 14° 9 | 3° 2 | T 11 |
| F 12 | 3 48 41 | 26° 9'45 | 22°46 | 16°31 | 20°25 | 1°24 | 29°25 | 8°24 | 23°44 | 0°20 | 19°59 | 0°45 | 0°58 | 14°16 | 2°59 | F 12 |
| S 13 | 3 52 38 | 27°10'39 | 4♋50 | 17°46 | 21°40 | 2° 8 | 29°24 | 8°28 | 23°42 | 0°20 | 19°58 | 0°45 | 0°55 | 14°22 | 2°56 | S 13 |
| S 14 | 3 56 34 | 28°11'33 | 17° 5 | 18°57 | 22°56 | 2°53 | 29°23 | 8°31 | 23°40 | 0°20 | 19°57 | 0°46 | 0°52 | 14°29 | 2°53 | S 14 |
| M15 | 4 0 31 | 29°12'29 | 29°32 | 20° 6 | 24°11 | 3°37 | 29°23 | 8°35 | 23°38 | 0°21 | 19°56 | 0°46 | 0°49 | 14°36 | 2°50 | M15 |
| T 16 | 4 4 28 | 0♐13'26 | 12♌16 | 21°11 | 25°27 | 4°22 | 29°22 | 8°39 | 23°35 | 0°21 | 19°55 | 0°46 | 0°46 | 14°42 | 2°47 | T 16 |
| W17 | 4 8 24 | 1°14'24 | 25°18 | 22°13 | 26°42 | 5° 6 | 29°22 | 8°43 | 23°33 | 0°22 | 19°55 | 0°46 | 0°43 | 14°49 | 2°44 | W17 |
| T 18 | 4 12 21 | 2°15'24 | 8♍42 | 23°10 | 27°58 | 5°51 | 29°D21 | 8°48 | 23°31 | 0°22 | 19°54 | 0°46 | 0°39 | 14°56 | 2°40 | T 18 |
| F 19 | 4 16 17 | 3°16'24 | 22°30 | 24° 3 | 29°13 | 6°36 | 29°21 | 8°52 | 23°28 | 0°22 | 19°53 | 0°46 | 0°36 | 15° 2 | 2°37 | F 19 |
| S 20 | 4 20 14 | 4°17'26 | 6♎42 | 24°49 | 0♐29 | 7°20 | 29°22 | 8°56 | 23°26 | 0°22 | 19°52 | 0°47 | 0°33 | 15° 9 | 2°34 | S 20 |
| S 21 | 4 24 10 | 5°18'29 | 21°16 | 25°30 | 1°44 | 8° 5 | 29°22 | 9° 1 | 23°24 | 0°23 | 19°52 | 0°47 | 0°30 | 15°16 | 2°31 | S 21 |
| M22 | 4 28 7 | 6°19'33 | 6♏ 9 | 26° 3 | 3° 0 | 8°50 | 29°23 | 9° 5 | 23°21 | 0°23 | 19°51 | 0°47 | 0°27 | 15°22 | 2°27 | M22 |
| T 23 | 4 32 3 | 7°20'39 | 21°13 | 26°28 | 4°15 | 9°35 | 29°24 | 9°10 | 23°19 | 0°23 | 19°50 | 0°48 | 0°24 | 15°29 | 2°24 | T 23 |
| W24 | 4 36 0 | 8°21'45 | 6♐21 | 26°44 | 5°31 | 10°20 | 29°25 | 9°14 | 23°16 | 0°23 | 19°49 | 0°R48 | 0°20 | 15°36 | 2°20 | W24 |
| T 25 | 4 39 57 | 9°22'52 | 21°23 | 26°R50 | 6°47 | 11° 5 | 29°26 | 9°19 | 23°14 | 0°23 | 19°49 | 0°47 | 0°17 | 15°42 | 2°17 | T 25 |
| F 26 | 4 43 53 | 10°23'59 | 6♑10 | 26°46 | 8° 2 | 11°50 | 29°28 | 9°24 | 23°11 | 0°R23 | 19°48 | 0°47 | 0°14 | 15°49 | 2°13 | F 26 |
| S 27 | 4 47 50 | 11°25'07 | 20°36 | 26°30 | 9°18 | 12°35 | 29°29 | 9°29 | 23° 9 | 0°23 | 19°47 | 0°45 | 0°11 | 15°56 | 2° 9 | S 27 |
| S 28 | 4 51 46 | 12°26'15 | 4♒36 | 26° 3 | 10°33 | 13°20 | 29°31 | 9°34 | 23° 6 | 0°23 | 19°47 | 0°44 | 0° 8 | 16° 2 | 2° 6 | S 28 |
| M29 | 4 55 43 | 13°27'24 | 18° 9 | 25°24 | 11°49 | 14° 5 | 29°33 | 9°39 | 23° 4 | 0°23 | 19°46 | 0°42 | 0° 4 | 16° 9 | 2° 2 | M29 |
| T 30 | 4 59 39 | 14♐28'33 | 1♓14 | 24♐34 | 13♐ 4 | 14♐50 | 29♓36 | 9♒44 | 23♊ 1 | 0♍23 | 19♈45 | 0♊41 | 0♊ 1 | 16♉15 | 1♋58 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s25 | 22s42 | 4s55 | 22s37 | 2s 8 | 12s50 | 1n 0 | 19s 0 | 0s19 | 1s30 | 1s35 | 19s32 | 1s10 | 23n36 | 0n11 | 12n13 | 0n49 | 7s57 | 17s 7 | 20n26 | 20n34 | 14n16 | 17n33 | 5s57 |
| T 2 | 16 43 | 19 1 | 5 13 | 22 58 | 2 11 | 13 16 | 0 58 | 19 12 | 0 19 | 1 31 | 1 35 | 19 31 | 1 10 | 23 36 | 0 11 | 12 13 | 0 49 | 7 57 | 17 7 | 20 26 | 20 34 | 14 19 | 17 33 | 5 58 |
| W 3 | 17 0 | 14 34 | 5 16 | 23 18 | 2 15 | 13 42 | 0 57 | 19 23 | 0 20 | 1 32 | 1 34 | 19 30 | 1 10 | 23 36 | 0 11 | 12 13 | 0 49 | 7 57 | 17 7 | 20 26 | 20 33 | 14 22 | 17 32 | 5 58 |
| T 4 | 17 18 | 9 37 | 5 4 | 23 37 | 2 18 | 14 8 | 0 55 | 19 34 | 0 21 | 1 33 | 1 34 | 19 29 | 1 10 | 23 36 | 0 11 | 12 12 | 0 49 | 7 57 | 17 7 | 20 26 | 20 32 | 14 25 | 17 32 | 5 59 |
| F 5 | 17 34 | 4 24 | 4 38 | 23 54 | 2 20 | 14 33 | 0 53 | 19 45 | 0 21 | 1 34 | 1 34 | 19 28 | 1 10 | 23 36 | 0 11 | 12 12 | 0 49 | 7 58 | 17 7 | 20 25 | 20 32 | 14 27 | 17 32 | 5 59 |
| S 6 | 17 51 | 0n56 | 4 0 | 24 10 | 2 22 | 14 58 | 0 51 | 19 56 | 0 22 | 1 35 | 1 34 | 19 28 | 1 9 | 23 36 | 0 11 | 12 12 | 0 49 | 7 58 | 17 6 | 20 25 | 20 31 | 14 30 | 17 31 | 6 0 |
| S 7 | 18 7 | 6 11 | 3 12 | 24 25 | 2 24 | 15 23 | 0 49 | 20 7 | 0 22 | 1 36 | 1 33 | 19 27 | 1 9 | 23 36 | 0 11 | 12 12 | 0 49 | 7 58 | 17 6 | 20 25 | 20 30 | 14 33 | 17 31 | 6 0 |
| M 8 | 18 23 | 11 13 | 2 17 | 24 39 | 2 26 | 15 47 | 0 47 | 20 17 | 0 23 | 1 36 | 1 33 | 19 26 | 1 9 | 23 36 | 0 11 | 12 12 | 0 49 | 7 58 | 17 6 | 20 25 | 20 30 | 14 36 | 17 30 | 6 1 |
| T 9 | 18 39 | 15 50 | 1 15 | 24 50 | 2 26 | 16 11 | 0 45 | 20 27 | 0 24 | 1 37 | 1 33 | 19 25 | 1 9 | 23 36 | 0 11 | 12 11 | 0 49 | 7 58 | 17 6 | 20 24 | 20 29 | 14 38 | 17 30 | 6 1 |
| W10 | 18 54 | 19 52 | 0 10 | 25 1 | 2 27 | 16 34 | 0 42 | 20 38 | 0 24 | 1 37 | 1 32 | 19 24 | 1 9 | 23 35 | 0 11 | 12 11 | 0 49 | 7 58 | 17 6 | 20 24 | 20 29 | 14 41 | 17 30 | 6 2 |
| T 11 | 19 9 | 23 6 | 0n56 | 25 10 | 2 26 | 16 57 | 0 40 | 20 48 | 0 25 | 1 38 | 1 32 | 19 23 | 1 9 | 23 35 | 0 11 | 12 11 | 0 49 | 7 59 | 17 5 | 20 24 | 20 28 | 14 44 | 17 29 | 6 2 |
| F 12 | 19 23 | 25 21 | 1 59 | 25 17 | 2 25 | 17 19 | 0 38 | 20 57 | 0 25 | 1 38 | 1 32 | 19 22 | 1 9 | 23 35 | 0 11 | 12 11 | 0 49 | 7 59 | 17 5 | 20 24 | 20 27 | 14 47 | 17 29 | 6 3 |
| S 13 | 19 37 | 26 26 | 2 59 | 25 23 | 2 24 | 17 41 | 0 36 | 21 7 | 0 26 | 1 38 | 1 31 | 19 21 | 1 9 | 23 35 | 0 11 | 12 11 | 0 49 | 7 59 | 17 5 | 20 25 | 20 27 | 14 50 | 17 28 | 6 3 |
| S 14 | 19 51 | 26 16 | 3 50 | 25 27 | 2 22 | 18 3 | 0 34 | 21 16 | 0 27 | 1 38 | 1 31 | 19 20 | 1 9 | 23 35 | 0 11 | 12 11 | 0 49 | 7 59 | 17 5 | 20 25 | 20 26 | 14 52 | 17 28 | 6 4 |
| M15 | 20 5 | 24 47 | 4 32 | 25 29 | 2 19 | 18 24 | 0 32 | 21 25 | 0 27 | 1 38 | 1 31 | 19 19 | 1 9 | 23 35 | 0 11 | 12 11 | 0 50 | 7 59 | 17 4 | 20 25 | 20 25 | 14 55 | 17 28 | 6 4 |
| T 16 | 20 18 | 22 1 | 5 2 | 25 30 | 2 15 | 18 45 | 0 29 | 21 34 | 0 28 | 1 38 | 1 31 | 19 18 | 1 9 | 23 35 | 0 11 | 12 10 | 0 50 | 7 59 | 17 4 | 20 25 | 20 25 | 14 58 | 17 27 | 6 4 |
| W17 | 20 30 | 18 7 | 5 17 | 25 29 | 2 10 | 19 5 | 0 27 | 21 43 | 0 28 | 1 38 | 1 30 | 19 17 | 1 9 | 23 35 | 0 11 | 12 10 | 0 50 | 7 59 | 17 4 | 20 25 | 20 24 | 15 1 | 17 27 | 6 5 |
| T 18 | 20 43 | 13 12 | 5 15 | 25 26 | 2 4 | 19 24 | 0 25 | 21 52 | 0 29 | 1 38 | 1 30 | 19 16 | 1 9 | 23 35 | 0 11 | 12 10 | 0 50 | 7 59 | 17 4 | 20 25 | 20 23 | 15 3 | 17 27 | 6 5 |
| F 19 | 20 55 | 7 31 | 4 56 | 25 22 | 1 57 | 19 43 | 0 22 | 22 0 | 0 29 | 1 38 | 1 30 | 19 14 | 1 9 | 23 35 | 0 11 | 12 10 | 0 50 | 7 59 | 17 3 | 20 25 | 20 23 | 15 6 | 17 26 | 6 6 |
| S 20 | 21 6 | 1 16 | 4 18 | 25 16 | 1 49 | 20 1 | 0 20 | 22 8 | 0 30 | 1 37 | 1 29 | 19 13 | 1 9 | 23 34 | 0 11 | 12 10 | 0 50 | 7 59 | 17 3 | 20 25 | 20 22 | 15 9 | 17 26 | 6 6 |
| S 21 | 21 17 | 5s12 | 3 23 | 25 8 | 1 40 | 20 19 | 0 18 | 22 16 | 0 31 | 1 37 | 1 29 | 19 12 | 1 9 | 23 34 | 0 11 | 12 10 | 0 50 | 7 59 | 17 3 | 20 25 | 20 21 | 15 12 | 17 26 | 6 6 |
| M22 | 21 28 | 11 33 | 2 13 | 24 59 | 1 29 | 20 37 | 0 15 | 22 24 | 0 31 | 1 36 | 1 29 | 19 11 | 1 9 | 23 34 | 0 11 | 12 10 | 0 50 | 7 59 | 17 3 | 20 25 | 20 21 | 15 14 | 17 25 | 6 7 |
| T 23 | 21 39 | 17 18 | 0 53 | 24 48 | 1 17 | 20 53 | 0 13 | 22 31 | 0 32 | 1 35 | 1 28 | 19 9 | 1 9 | 23 34 | 0 11 | 12 10 | 0 50 | 7 59 | 17 2 | 20 25 | 20 20 | 15 17 | 17 25 | 6 7 |
| W24 | 21 48 | 21 59 | 0s31 | 24 35 | 1 4 | 21 9 | 0 11 | 22 38 | 0 32 | 1 35 | 1 28 | 19 8 | 1 9 | 23 34 | 0 11 | 12 10 | 0 50 | 7 59 | 17 2 | 20 25 | 20 19 | 15 20 | 17 25 | 6 7 |
| T 25 | 21 58 | 25 8 | 1 52 | 24 21 | 0 50 | 21 25 | 0 8 | 22 45 | 0 33 | 1 34 | 1 28 | 19 7 | 1 9 | 23 34 | 0 11 | 12 10 | 0 50 | 7 59 | 17 2 | 20 25 | 20 19 | 15 23 | 17 25 | 6 8 |
| F 26 | 22 7 | 26 29 | 3 4 | 24 5 | 0 34 | 21 40 | 0 6 | 22 52 | 0 33 | 1 33 | 1 27 | 19 6 | 1 9 | 23 34 | 0 11 | 12 10 | 0 50 | 7 59 | 17 1 | 20 25 | 20 18 | 15 25 | 17 24 | 6 8 |
| S 27 | 22 16 | 25 58 | 4 3 | 23 47 | 0 17 | 21 54 | 0 3 | 22 59 | 0 34 | 1 32 | 1 27 | 19 4 | 1 9 | 23 34 | 0 11 | 12 10 | 0 50 | 7 59 | 17 1 | 20 24 | 20 17 | 15 28 | 17 24 | 6 8 |
| S 28 | 22 24 | 23 49 | 4 45 | 23 28 | 0n 2 | 22 7 | 0 1 | 23 5 | 0 34 | 1 31 | 1 27 | 19 3 | 1 9 | 23 34 | 0 11 | 12 10 | 0 50 | 7 59 | 17 1 | 20 24 | 20 17 | 15 31 | 17 24 | 6 9 |
| M29 | 22 32 | 20 22 | 5 10 | 23 8 | 0 21 | 22 20 | 0s 1 | 23 11 | 0 35 | 1 30 | 1 27 | 19 2 | 1 9 | 23 33 | 0 11 | 12 10 | 0 50 | 7 59 | 17 1 | 20 24 | 20 16 | 15 34 | 17 24 | 6 9 |
| T 30 | 22s39 | 16s 1 | 5s17 | 22s46 | 0n41 | 22s32 | 0s 4 | 23s17 | 0s36 | 1s29 | 1s26 | 19s 0 | 1s 9 | 23n33 | 0n11 | 12n10 | 0n50 | 7s59 | 17s 0 | 20n24 | 20n15 | 15n36 | 17n23 | 6s 9 |

Julian Day Number = 2126424.5, Delta T = 17m11s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'50, Lahiri = 11°26'50 Julian Calendar 1 Nov. 1109 == Greg. Calendar 8 Nov. 1109


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# ASTRODIENST EPHEMERIS for the year 1109
# geocentric

## DECEMBER 1109 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 3 36 | 15♐29'42 | 13♓56 | 23°R33 | 14♐20 | 15♐35 | 29♓38 | 9♒49 | 22°R59 | 0°R23 | 19°R45 | 0°D41 | 29♉58 | 16♉22 | 1°R54 | W 1 |
| T 2 | 5 7 32 | 16°30'51 | 26°18 | 22♐24 | 15°35 | 16°21 | 29°41 | 9°54 | 22♊56 | 0♍22 | 19♈44 | 0♊41 | 29°55 | 16°29 | 1♋50 | T 2 |
| F 3 | 5 11 29 | 17°32'00 | 8♈24 | 21° 7 | 16°51 | 17° 6 | 29°44 | 9°59 | 22°54 | 0°22 | 19°44 | 0°42 | 29°52 | 16°35 | 1°47 | F 3 |
| S 4 | 5 15 26 | 18°33'10 | 20°20 | 19°47 | 18° 6 | 17°51 | 29°47 | 10° 5 | 22°51 | 0°22 | 19°43 | 0°44 | 29°49 | 16°42 | 1°43 | S 4 |
| S 5 | 5 19 22 | 19°34'19 | 2♉ 9 | 18°24 | 19°22 | 18°37 | 29°51 | 10°10 | 22°48 | 0°22 | 19°43 | 0°45 | 29°45 | 16°49 | 1°39 | S 5 |
| M 6 | 5 23 19 | 20°35'29 | 13°56 | 17° 3 | 20°37 | 19°22 | 29°54 | 10°16 | 22°46 | 0°21 | 19°42 | 0°47 | 29°42 | 16°55 | 1°35 | M 6 |
| T 7 | 5 27 15 | 21°36'39 | 25°45 | 15°45 | 21°53 | 20° 8 | 29°58 | 10°21 | 22°43 | 0°21 | 19°42 | 0°R48 | 29°39 | 17° 2 | 1°31 | T 7 |
| W 8 | 5 31 12 | 22°37'49 | 7♊38 | 14°33 | 23° 8 | 20°53 | 0♈ 2 | 10°27 | 22°41 | 0°21 | 19°41 | 0°47 | 29°36 | 17° 9 | 1°27 | W 8 |
| T 9 | 5 35 8 | 23°38'59 | 19°37 | 13°29 | 24°24 | 21°39 | 0° 6 | 10°33 | 22°38 | 0°20 | 19°41 | 0°46 | 29°33 | 17°15 | 1°23 | T 9 |
| F 10 | 5 39 5 | 24°40'10 | 1♋46 | 12°34 | 25°39 | 22°24 | 0°10 | 10°38 | 22°35 | 0°20 | 19°41 | 0°44 | 29°30 | 17°22 | 1°19 | F 10 |
| S 11 | 5 43 2 | 25°41'20 | 14° 5 | 11°49 | 26°55 | 23°10 | 0°15 | 10°44 | 22°33 | 0°19 | 19°40 | 0°40 | 29°26 | 17°29 | 1°15 | S 11 |
| S 12 | 5 46 58 | 26°42'31 | 26°35 | 11°15 | 28°10 | 23°56 | 0°19 | 10°50 | 22°30 | 0°19 | 19°40 | 0°36 | 29°23 | 17°35 | 1°11 | S 12 |
| M13 | 5 50 55 | 27°43'42 | 9♌18 | 10°51 | 29°26 | 24°41 | 0°24 | 10°56 | 22°28 | 0°18 | 19°39 | 0°31 | 29°20 | 17°42 | 1° 7 | M13 |
| T 14 | 5 54 51 | 28°44'53 | 22°13 | 10°37 | 0♎41 | 25°27 | 0°29 | 11° 2 | 22°25 | 0°18 | 19°39 | 0°27 | 29°17 | 17°49 | 1° 3 | T 14 |
| W15 | 5 58 48 | 29°46'04 | 5♍23 | 10°D33 | 1°57 | 26°13 | 0°34 | 11° 8 | 22°23 | 0°17 | 19°39 | 0°23 | 29°14 | 17°55 | 0°59 | W15 |
| T 16 | 6 2 44 | 0♎47'15 | 18°48 | 10°38 | 3°12 | 26°59 | 0°40 | 11°14 | 22°20 | 0°16 | 19°39 | 0°21 | 29°10 | 18° 2 | 0°54 | T 16 |
| F 17 | 6 6 41 | 1°48'26 | 2♏29 | 10°51 | 4°28 | 27°45 | 0°45 | 11°20 | 22°18 | 0°16 | 19°38 | 0°D21 | 29° 7 | 18° 9 | 0°50 | F 17 |
| S 18 | 6 10 37 | 2°49'38 | 16°26 | 11°12 | 5°43 | 28°31 | 0°51 | 11°26 | 22°15 | 0°15 | 19°38 | 0°21 | 29° 4 | 18°15 | 0°46 | S 18 |
| S 19 | 6 14 34 | 3°50'50 | 0♏40 | 11°40 | 6°59 | 29°17 | 0°57 | 11°33 | 22°12 | 0°14 | 19°38 | 0°23 | 29° 1 | 18°22 | 0°42 | S 19 |
| M20 | 6 18 31 | 4°52'01 | 15° 9 | 12°14 | 8°14 | 0♎ 3 | 1° 3 | 11°39 | 22°10 | 0°14 | 19°38 | 0°24 | 28°58 | 18°28 | 0°38 | M20 |
| T 21 | 6 22 27 | 5°53'13 | 29°50 | 12°53 | 9°30 | 0°49 | 1° 9 | 11°45 | 22° 7 | 0°13 | 19°38 | 0°R25 | 28°55 | 18°35 | 0°34 | T 21 |
| W22 | 6 26 24 | 6°54'25 | 14♐36 | 13°38 | 10°45 | 1°35 | 1°16 | 11°52 | 22° 5 | 0°12 | 19°37 | 0°24 | 28°51 | 18°42 | 0°30 | W22 |
| T 23 | 6 30 20 | 7°55'37 | 29°23 | 14°27 | 12° 1 | 2°21 | 1°22 | 11°58 | 22° 3 | 0°11 | 19°37 | 0°21 | 28°48 | 18°48 | 0°26 | T 23 |
| F 24 | 6 34 17 | 8°56'48 | 14♎ 1 | 15°20 | 13°16 | 3° 7 | 1°29 | 12° 5 | 22° 0 | 0°10 | 19°37 | 0°17 | 28°45 | 18°55 | 0°22 | F 24 |
| S 25 | 6 38 13 | 9°57'59 | 28°25 | 16°17 | 14°31 | 3°53 | 1°36 | 12°11 | 21°58 | 0° 9 | 19°37 | 0°11 | 28°42 | 19° 2 | 0°18 | S 25 |
| S 26 | 6 42 10 | 10°59'09 | 12♒27 | 17°18 | 15°47 | 4°40 | 1°43 | 12°18 | 21°55 | 0° 8 | 19°37 | 0° 4 | 28°39 | 19° 8 | 0°14 | S 26 |
| M27 | 6 46 6 | 12° 0'18 | 26° 5 | 18°21 | 17° 2 | 5°26 | 1°51 | 12°24 | 21°53 | 0° 7 | 19°37 | 29♉57 | 28°36 | 19°15 | 0°10 | M27 |
| T 28 | 6 50 3 | 13° 1'27 | 9♓17 | 19°26 | 18°18 | 6°12 | 1°58 | 12°31 | 21°50 | 0° 6 | 19°D37 | 29°51 | 28°32 | 19°22 | 0° 6 | T 28 |
| W29 | 6 54 0 | 14° 2'35 | 22° 4 | 20°34 | 19°33 | 6°59 | 2° 6 | 12°38 | 21°48 | 0° 5 | 19°37 | 29°46 | 28°29 | 19°28 | 0° 2 | W29 |
| T 30 | 6 57 56 | 15° 3'42 | 4♈30 | 21°45 | 20°48 | 7°45 | 2°13 | 12°44 | 21°46 | 0° 4 | 19°37 | 29°44 | 28°26 | 19°35 | 29♊58 | T 30 |
| F 31 | 7 1 53 | 16♎ 4'48 | 16♈38 | 22♐57 | 22♎ 4 | 8♎31 | 2♈21 | 12♒51 | 21♊43 | 0♍ 3 | 19♈37 | 29°D43 | 28♉23 | 19♉42 | 29♊54 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s46 | 11s 5 | 5s 9 | 22s23 | 1n 1 | 22s44 | 0s 6 | 23s22 | 0s36 | 1s27 | 1s26 | 18s59 | 1s 9 | 23n33 | 0n11 | 12n10 | 0n50 | 7s59 | 17s 0 | 20n24 | 20n15 | 15n39 | 17n23 | 6s 9 |
| T 2 | 22 52 | 5 51 | 4 46 | 21 59 | 1 21 | 22 55 | 0 9 | 23 28 | 0 37 | 1 26 | 1 26 | 18 57 | 1 9 | 23 33 | 0 11 | 12 11 | 0 50 | 7 59 | 17 0 | 20 24 | 20 14 | 15 42 | 17 23 | 6 10 |
| F 3 | 22 58 | 0 30 | 4 11 | 21 35 | 1 40 | 23 5 | 0 11 | 23 33 | 0 37 | 1 25 | 1 25 | 18 56 | 1 9 | 23 33 | 0 11 | 12 11 | 0 50 | 7 59 | 16 59 | 20 24 | 20 13 | 15 45 | 17 23 | 6 10 |
| S 4 | 23 4 | 4n48 | 3 26 | 21 12 | 1 58 | 23 14 | 0 13 | 23 37 | 0 38 | 1 23 | 1 25 | 18 54 | 1 9 | 23 33 | 0 11 | 12 11 | 0 50 | 7 59 | 16 59 | 20 24 | 20 13 | 15 47 | 17 23 | 6 10 |
| S 5 | 23 9 | 9 54 | 2 32 | 20 48 | 2 15 | 23 23 | 0 16 | 23 42 | 0 38 | 1 21 | 1 25 | 18 53 | 1 9 | 23 33 | 0 11 | 12 11 | 0 50 | 7 59 | 16 59 | 20 24 | 20 12 | 15 50 | 17 22 | 6 10 |
| M 6 | 23 13 | 14 38 | 1 32 | 20 26 | 2 30 | 23 31 | 0 18 | 23 46 | 0 39 | 1 20 | 1 24 | 18 51 | 1 9 | 23 33 | 0 11 | 12 11 | 0 50 | 7 58 | 16 58 | 20 25 | 20 11 | 15 53 | 17 22 | 6 11 |
| T 7 | 23 17 | 18 50 | 0 28 | 20 6 | 2 42 | 23 39 | 0 20 | 23 50 | 0 39 | 1 18 | 1 24 | 18 50 | 1 9 | 23 32 | 0 11 | 12 11 | 0 50 | 7 58 | 16 58 | 20 25 | 20 10 | 15 55 | 17 22 | 6 11 |
| W 8 | 23 21 | 22 18 | 0n38 | 19 49 | 2 52 | 23 45 | 0 23 | 23 54 | 0 40 | 1 16 | 1 24 | 18 48 | 1 9 | 23 32 | 0 11 | 12 11 | 0 50 | 7 58 | 16 58 | 20 25 | 20 10 | 15 58 | 17 22 | 6 11 |
| T 9 | 23 24 | 24 51 | 1 42 | 19 34 | 3 0 | 23 51 | 0 25 | 23 58 | 0 40 | 1 14 | 1 23 | 18 47 | 1 9 | 23 32 | 0 11 | 12 12 | 0 50 | 7 58 | 16 57 | 20 25 | 20 9 | 16 1 | 17 22 | 6 11 |
| F 10 | 23 27 | 26 15 | 2 42 | 19 22 | 3 5 | 23 56 | 0 27 | 24 1 | 0 41 | 1 12 | 1 23 | 18 45 | 1 9 | 23 32 | 0 11 | 12 12 | 0 51 | 7 58 | 16 57 | 20 24 | 20 8 | 16 4 | 17 22 | 6 11 |
| S 11 | 23 29 | 26 23 | 3 36 | 19 13 | 3 8 | 24 1 | 0 29 | 24 4 | 0 41 | 1 10 | 1 23 | 18 43 | 1 8 | 23 32 | 0 11 | 12 12 | 0 51 | 7 58 | 16 57 | 20 23 | 20 8 | 16 6 | 17 22 | 6 11 |
| S 12 | 23 31 | 25 12 | 4 20 | 19 7 | 3 9 | 24 4 | 0 32 | 24 7 | 0 42 | 1 8 | 1 23 | 18 42 | 1 8 | 23 32 | 0 11 | 12 12 | 0 51 | 7 57 | 16 56 | 20 22 | 20 7 | 16 9 | 17 21 | 6 12 |
| M13 | 23 32 | 22 42 | 4 52 | 19 5 | 3 8 | 24 7 | 0 34 | 24 9 | 0 43 | 1 6 | 1 22 | 18 40 | 1 8 | 23 32 | 0 11 | 12 12 | 0 51 | 7 57 | 16 56 | 20 22 | 20 6 | 16 12 | 17 21 | 6 12 |
| T 14 | 23 33 | 19 3 | 5 10 | 19 6 | 3 5 | 24 9 | 0 36 | 24 12 | 0 43 | 1 3 | 1 22 | 18 39 | 1 8 | 23 31 | 0 11 | 12 13 | 0 51 | 7 57 | 16 56 | 20 21 | 20 6 | 16 14 | 17 21 | 6 12 |
| W15 | 23 33 | 14 25 | 5 12 | 19 9 | 3 1 | 24 11 | 0 38 | 24 14 | 0 44 | 1 1 | 1 22 | 18 37 | 1 8 | 23 31 | 0 11 | 12 13 | 0 51 | 7 57 | 16 55 | 20 20 | 20 5 | 16 17 | 17 21 | 6 12 |
| T 16 | 23 33 | 9 0 | 4 57 | 19 14 | 2 56 | 24 11 | 0 40 | 24 15 | 0 44 | 0 59 | 1 21 | 18 35 | 1 8 | 23 31 | 0 11 | 12 13 | 0 51 | 7 57 | 16 55 | 20 19 | 20 4 | 16 20 | 17 21 | 6 12 |
| F 17 | 23 33 | 3 4 | 4 26 | 19 22 | 2 50 | 24 11 | 0 42 | 24 17 | 0 45 | 0 56 | 1 21 | 18 33 | 1 8 | 23 31 | 0 11 | 12 13 | 0 51 | 7 56 | 16 55 | 20 19 | 20 4 | 16 22 | 17 21 | 6 12 |
| S 18 | 23 32 | 3s 9 | 3 38 | 19 32 | 2 44 | 24 10 | 0 45 | 24 18 | 0 45 | 0 54 | 1 21 | 18 32 | 1 8 | 23 31 | 0 11 | 12 14 | 0 51 | 7 56 | 16 54 | 20 19 | 20 3 | 16 25 | 17 21 | 6 12 |
| S 19 | 23 30 | 9 20 | 2 35 | 19 43 | 2 36 | 24 9 | 0 47 | 24 19 | 0 46 | 0 51 | 1 21 | 18 30 | 1 8 | 23 31 | 0 11 | 12 14 | 0 51 | 7 56 | 16 54 | 20 20 | 20 2 | 16 28 | 17 21 | 6 12 |
| M20 | 23 28 | 15 9 | 1 22 | 19 55 | 2 28 | 24 6 | 0 49 | 24 19 | 0 46 | 0 48 | 1 20 | 18 28 | 1 8 | 23 31 | 0 11 | 12 14 | 0 51 | 7 56 | 16 54 | 20 20 | 20 1 | 16 30 | 17 21 | 6 12 |
| T 21 | 23 25 | 20 10 | 0 3 | 20 8 | 2 20 | 24 3 | 0 51 | 24 20 | 0 47 | 0 46 | 1 20 | 18 26 | 1 8 | 23 30 | 0 11 | 12 15 | 0 51 | 7 55 | 16 53 | 20 20 | 20 1 | 16 33 | 17 21 | 6 12 |
| W22 | 23 22 | 23 56 | 1s17 | 20 22 | 2 11 | 23 59 | 0 53 | 24 20 | 0 47 | 0 43 | 1 20 | 18 25 | 1 8 | 23 30 | 0 11 | 12 15 | 0 51 | 7 55 | 16 53 | 20 20 | 20 0 | 16 36 | 17 21 | 6 12 |
| T 23 | 23 19 | 26 5 | 2 31 | 20 37 | 2 3 | 23 55 | 0 54 | 24 20 | 0 47 | 0 40 | 1 19 | 18 23 | 1 8 | 23 30 | 0 11 | 12 15 | 0 51 | 7 55 | 16 53 | 20 19 | 19 59 | 16 38 | 17 21 | 6 12 |
| F 24 | 23 15 | 26 23 | 3 35 | 20 52 | 1 54 | 23 49 | 0 56 | 24 19 | 0 48 | 0 37 | 1 19 | 18 21 | 1 8 | 23 30 | 0 11 | 12 16 | 0 51 | 7 55 | 16 52 | 20 19 | 19 59 | 16 41 | 17 21 | 6 13 |
| S 25 | 23 11 | 24 53 | 4 24 | 21 7 | 1 44 | 23 43 | 0 58 | 24 18 | 0 48 | 0 34 | 1 19 | 18 19 | 1 8 | 23 30 | 0 11 | 12 16 | 0 51 | 7 54 | 16 52 | 20 17 | 19 58 | 16 44 | 17 21 | 6 13 |
| S 26 | 23 6 | 21 52 | 4 55 | 21 22 | 1 35 | 23 37 | 1 0 | 24 17 | 0 49 | 0 31 | 1 19 | 18 17 | 1 8 | 23 30 | 0 11 | 12 16 | 0 51 | 7 54 | 16 51 | 20 16 | 19 57 | 16 46 | 17 21 | 6 13 |
| M27 | 23 1 | 17 43 | 5 9 | 21 37 | 1 26 | 23 29 | 1 2 | 24 16 | 0 49 | 0 28 | 1 18 | 18 16 | 1 8 | 23 30 | 0 11 | 12 17 | 0 51 | 7 54 | 16 51 | 20 14 | 19 57 | 16 49 | 17 21 | 6 12 |
| T 28 | 22 55 | 12 50 | 5 6 | 21 51 | 1 17 | 23 21 | 1 3 | 24 14 | 0 50 | 0 24 | 1 18 | 18 14 | 1 9 | 23 30 | 0 11 | 12 17 | 0 51 | 7 53 | 16 51 | 20 13 | 19 56 | 16 52 | 17 21 | 6 12 |
| W29 | 22 49 | 7 33 | 4 47 | 22 6 | 1 8 | 23 12 | 1 5 | 24 12 | 0 50 | 0 21 | 1 18 | 18 12 | 1 9 | 23 29 | 0 11 | 12 18 | 0 51 | 7 53 | 16 50 | 20 12 | 19 55 | 16 54 | 17 21 | 6 12 |
| T 30 | 22 42 | 2 6 | 4 15 | 22 19 | 0 59 | 23 2 | 1 7 | 24 10 | 0 51 | 0 18 | 1 17 | 18 10 | 1 9 | 23 29 | 0 11 | 12 18 | 0 51 | 7 53 | 16 50 | 20 11 | 19 54 | 16 57 | 17 21 | 6 12 |
| F 31 | 22s35 | 3n18 | 3s32 | 22s32 | 0n50 | 22s52 | 1s 8 | 24s 8 | 0s51 | 0s14 | 1s17 | 18s 8 | 1s 9 | 23n29 | 0n11 | 12n18 | 0n51 | 7s52 | 16s50 | 20n11 | 19n54 | 17n 0 | 17n21 | 6s12 |

Julian Day Number = 2126454.5, Delta T = 17m11s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'54, Lahiri = 11°26'54 Julian Calendar 1 Dec. 1109 == Greg. Calendar 8 Dec. 1109


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## JANUARY 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 5 49 | 17♑ 5'53 | 28♈33 | 24♐11 | 23♑19 | 9♑18 | 2♈29 | 12♒58 | 21°R41 | 0°R 2 | 19♈37 | 29♉44 | 28♉20 | 19♉48 | 29°R50 | S 1 |
| S 2 | 7 9 46 | 18° 6'57 | 10♉22 | 25°26 | 24°34 | 10° 4 | 2°37 | 13° 5 | 21♊39 | 0♍ 1 | 19°37 | 29°45 | 28°16 | 19°55 | 29♊46 | S 2 |
| M 3 | 7 13 42 | 19° 8'00 | 22° 9 | 26°43 | 25°50 | 10°51 | 2°46 | 13°11 | 21°37 | 29♌59 | 19°37 | 29°46 | 28°13 | 20° 2 | 29°43 | M 3 |
| T 4 | 7 17 39 | 20° 9'02 | 3♊59 | 28° 1 | 27° 5 | 11°37 | 2°54 | 13°18 | 21°35 | 29°59 | 19°38 | 29°R47 | 28°10 | 20° 8 | 29°39 | T 4 |
| W 5 | 7 21 35 | 21°10'03 | 15°56 | 29°21 | 28°20 | 12°24 | 3° 3 | 13°25 | 21°32 | 29°57 | 19°38 | 29°45 | 28° 7 | 20°15 | 29°35 | W 5 |
| T 6 | 7 25 32 | 22°11'03 | 28° 5 | 0♑42 | 29°36 | 13°10 | 3°12 | 13°32 | 21°30 | 29°56 | 19°38 | 29°41 | 28° 4 | 20°21 | 29°32 | T 6 |
| F 7 | 7 29 29 | 23°12'02 | 10♋26 | 2° 4 | 0♒51 | 13°57 | 3°21 | 13°39 | 21°28 | 29°55 | 19°38 | 29°35 | 28° 1 | 20°28 | 29°28 | F 7 |
| S 8 | 7 33 25 | 24°13'00 | 23° 2 | 3°27 | 2° 6 | 14°44 | 3°30 | 13°46 | 21°26 | 29°54 | 19°38 | 29°26 | 27°57 | 20°35 | 29°24 | S 8 |
| S 9 | 7 37 22 | 25°13'58 | 5♌53 | 4°51 | 3°21 | 15°30 | 3°39 | 13°53 | 21°24 | 29°52 | 19°39 | 29°16 | 27°54 | 20°41 | 29°21 | S 9 |
| M10 | 7 41 18 | 26°14'54 | 18°57 | 6°16 | 4°37 | 16°17 | 3°48 | 14° 0 | 21°22 | 29°51 | 19°39 | 29° 6 | 27°51 | 20°48 | 29°17 | M10 |
| T 11 | 7 45 15 | 27°15'49 | 2♍15 | 7°42 | 5°52 | 17° 4 | 3°57 | 14° 7 | 21°20 | 29°50 | 19°39 | 28°55 | 27°48 | 20°55 | 29°14 | T 11 |
| W12 | 7 49 11 | 28°16'43 | 15°44 | 9° 9 | 7° 7 | 17°50 | 4° 7 | 14°14 | 21°18 | 29°48 | 19°40 | 28°47 | 27°45 | 21° 1 | 29°10 | W12 |
| T 13 | 7 53 8 | 29°17'36 | 29°23 | 10°36 | 8°22 | 18°37 | 4°17 | 14°22 | 21°16 | 29°47 | 19°40 | 28°41 | 27°42 | 21° 8 | 29° 7 | T 13 |
| F 14 | 7 57 5 | 0♒18'29 | 13♎11 | 12° 5 | 9°37 | 19°24 | 4°26 | 14°29 | 21°14 | 29°46 | 19°40 | 28°37 | 27°38 | 21°15 | 29° 4 | F 14 |
| S 15 | 8 1 1 | 1°19'20 | 27° 6 | 13°34 | 10°53 | 20°11 | 4°36 | 14°36 | 21°13 | 29°44 | 19°41 | 28°D36 | 27°35 | 21°21 | 29° 1 | S 15 |
| S 16 | 8 4 58 | 2°20'11 | 11♏10 | 15° 4 | 12° 8 | 20°57 | 4°46 | 14°43 | 21°11 | 29°43 | 19°41 | 28°36 | 27°32 | 21°28 | 28°57 | S 16 |
| M17 | 8 8 54 | 3°21'01 | 25°20 | 16°35 | 13°23 | 21°44 | 4°57 | 14°50 | 21° 9 | 29°41 | 19°42 | 28°R36 | 27°29 | 21°35 | 28°54 | M17 |
| T 18 | 8 12 51 | 4°21'50 | 9♐36 | 18° 7 | 14°38 | 22°31 | 5° 7 | 14°57 | 21° 7 | 29°40 | 19°42 | 28°36 | 27°26 | 21°41 | 28°51 | T 18 |
| W19 | 8 16 47 | 5°22'38 | 23°55 | 19°39 | 15°53 | 23°18 | 5°17 | 15° 5 | 21° 6 | 29°38 | 19°42 | 28°33 | 27°22 | 21°48 | 28°48 | W19 |
| T 20 | 8 20 44 | 6°23'25 | 8♑15 | 21°13 | 17° 8 | 24° 5 | 5°28 | 15°12 | 21° 4 | 29°37 | 19°43 | 28°28 | 27°19 | 21°55 | 28°45 | T 20 |
| F 21 | 8 24 40 | 7°24'10 | 22°30 | 22°47 | 18°23 | 24°52 | 5°38 | 15°19 | 21° 3 | 29°35 | 19°43 | 28°20 | 27°16 | 22° 1 | 28°42 | F 21 |
| S 22 | 8 28 37 | 8°24'55 | 6♒35 | 24°22 | 19°38 | 25°39 | 5°49 | 15°26 | 21° 1 | 29°34 | 19°44 | 28°10 | 27°13 | 22° 8 | 28°40 | S 22 |
| S 23 | 8 32 34 | 9°25'38 | 20°24 | 25°58 | 20°53 | 26°26 | 6° 0 | 15°34 | 21° 0 | 29°32 | 19°45 | 27°58 | 27°10 | 22°14 | 28°37 | S 23 |
| M24 | 8 36 30 | 10°26'19 | 3♓55 | 27°34 | 22° 9 | 27°13 | 6°11 | 15°41 | 20°58 | 29°31 | 19°45 | 27°45 | 27° 7 | 22°21 | 28°34 | M24 |
| T 25 | 8 40 27 | 11°26'59 | 17° 4 | 29°12 | 23°24 | 28° 0 | 6°22 | 15°48 | 20°57 | 29°29 | 19°46 | 27°34 | 27° 3 | 22°28 | 28°32 | T 25 |
| W26 | 8 44 23 | 12°27'37 | 29°51 | 0♒50 | 24°39 | 28°47 | 6°33 | 15°55 | 20°55 | 29°28 | 19°46 | 27°25 | 27° 0 | 22°34 | 28°29 | W26 |
| T 27 | 8 48 20 | 13°28'13 | 12♈18 | 2°29 | 25°53 | 29°34 | 6°44 | 16° 3 | 20°54 | 29°26 | 19°47 | 27°18 | 26°57 | 22°41 | 28°27 | T 27 |
| F 28 | 8 52 16 | 14°28'47 | 24°27 | 4° 9 | 27° 8 | 0♒21 | 6°56 | 16°10 | 20°53 | 29°24 | 19°48 | 27°14 | 26°54 | 22°48 | 28°24 | F 28 |
| S 29 | 8 56 13 | 15°29'20 | 6♉24 | 5°50 | 28°23 | 1° 8 | 7° 7 | 16°17 | 20°52 | 29°23 | 19°48 | 27°13 | 26°51 | 22°54 | 28°22 | S 29 |
| S 30 | 9 0 9 | 16°29'51 | 18°14 | 7°32 | 29°38 | 1°55 | 7°19 | 16°25 | 20°51 | 29°21 | 19°49 | 27°D12 | 26°48 | 23° 1 | 28°20 | S 30 |
| M31 | 9 4 6 | 17♒30'20 | 0♊ 1 | 9♒15 | 0♓53 | 2♒42 | 7♈30 | 16♒32 | 20♊49 | 29♌20 | 19♈50 | 27°R12 | 26♉44 | 23♉ 8 | 28♊18 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s27 | 8n31 | 2s41 | 22s45 | 0n41 | 22s40 | 1s10 | 24s 5 | 0s52 | 0s11 | 1s17 | 18s 6 | 1s 9 | 23n29 | 0n11 | 12n19 | 0n51 | 7s52 | 16s49 | 20n11 | 19n53 | 17n 2 | 17n21 | 6s12 | S 1 |
| S 2 | 22 19 | 13 22 | 1 43 | 22 57 | 0 32 | 22 29 | 1 11 | 24 2 | 0 52 | 0 7 | 1 17 | 18 4 | 1 9 | 23 29 | 0 11 | 12 19 | 0 51 | 7 51 | 16 49 | 20 12 | 19 52 | 17 5 | 17 21 | 6 12 | S 2 |
| M 3 | 22 11 | 17 44 | 0 41 | 23 8 | 0 23 | 22 16 | 1 13 | 23 59 | 0 52 | 0 4 | 1 16 | 18 2 | 1 9 | 23 29 | 0 11 | 12 20 | 0 51 | 7 51 | 16 49 | 20 12 | 19 52 | 17 8 | 17 21 | 6 12 | M 3 |
| T 4 | 22 2 | 21 25 | 0n23 | 23 18 | 0 15 | 22 3 | 1 14 | 23 55 | 0 53 | 0 0 | 1 16 | 18 0 | 1 9 | 23 29 | 0 11 | 12 20 | 0 51 | 7 51 | 16 48 | 20 12 | 19 51 | 17 10 | 17 21 | 6 12 | T 4 |
| W 5 | 21 53 | 24 14 | 1 26 | 23 27 | 0 7 | 21 49 | 1 15 | 23 52 | 0 53 | 0n 3 | 1 16 | 17 58 | 1 9 | 23 28 | 0 11 | 12 21 | 0 51 | 7 50 | 16 48 | 20 12 | 19 50 | 17 13 | 17 22 | 6 12 | W 5 |
| T 6 | 21 43 | 25 59 | 2 26 | 23 35 | 0s 2 | 21 35 | 1 16 | 23 48 | 0 54 | 0 7 | 1 16 | 17 56 | 1 9 | 23 28 | 0 11 | 12 21 | 0 51 | 7 50 | 16 47 | 20 11 | 19 50 | 17 15 | 17 22 | 6 12 | T 6 |
| F 7 | 21 33 | 26 29 | 3 21 | 23 42 | 0 10 | 21 20 | 1 18 | 23 43 | 0 54 | 0 11 | 1 15 | 17 54 | 1 9 | 23 28 | 0 11 | 12 22 | 0 51 | 7 49 | 16 47 | 20 10 | 19 49 | 17 18 | 17 22 | 6 12 | F 7 |
| S 8 | 21 23 | 25 37 | 4 6 | 23 48 | 0 17 | 21 4 | 1 19 | 23 39 | 0 55 | 0 15 | 1 15 | 17 52 | 1 9 | 23 28 | 0 11 | 12 22 | 0 51 | 7 49 | 16 47 | 20 8 | 19 48 | 17 21 | 17 22 | 6 11 | S 8 |
| S 9 | 21 12 | 23 25 | 4 40 | 23 53 | 0 25 | 20 48 | 1 20 | 23 34 | 0 55 | 0 19 | 1 15 | 17 50 | 1 9 | 23 28 | 0 11 | 12 22 | 0 52 | 7 49 | 16 46 | 20 6 | 19 47 | 17 23 | 17 22 | 6 11 | S 9 |
| M10 | 21 0 | 19 57 | 5 0 | 23 57 | 0 32 | 20 31 | 1 21 | 23 28 | 0 55 | 0 23 | 1 15 | 17 48 | 1 9 | 23 28 | 0 11 | 12 23 | 0 52 | 7 48 | 16 46 | 20 3 | 19 47 | 17 26 | 17 22 | 6 11 | M10 |
| T 11 | 20 49 | 15 27 | 5 4 | 23 59 | 0 39 | 20 13 | 1 22 | 23 23 | 0 56 | 0 26 | 1 15 | 17 46 | 1 9 | 23 28 | 0 11 | 12 23 | 0 52 | 7 48 | 16 46 | 20 1 | 19 46 | 17 28 | 17 22 | 6 11 | T 11 |
| W12 | 20 36 | 10 7 | 4 52 | 24 0 | 0 46 | 19 55 | 1 23 | 23 17 | 0 56 | 0 31 | 1 14 | 17 44 | 1 9 | 23 28 | 0 11 | 12 24 | 0 52 | 7 47 | 16 45 | 19 59 | 19 45 | 17 31 | 17 23 | 6 11 | W12 |
| T 13 | 20 24 | 4 15 | 4 22 | 24 1 | 0 53 | 19 36 | 1 24 | 23 11 | 0 57 | 0 35 | 1 14 | 17 42 | 1 9 | 23 27 | 0 11 | 12 24 | 0 52 | 7 47 | 16 45 | 19 58 | 19 44 | 17 34 | 17 23 | 6 10 | T 13 |
| F 14 | 20 11 | 1s53 | 3 38 | 23 59 | 0 59 | 19 17 | 1 24 | 23 5 | 0 57 | 0 39 | 1 14 | 17 40 | 1 9 | 23 27 | 0 11 | 12 25 | 0 52 | 7 46 | 16 45 | 19 57 | 19 44 | 17 36 | 17 23 | 6 10 | F 14 |
| S 15 | 19 58 | 8 0 | 2 40 | 23 57 | 1 6 | 18 57 | 1 25 | 22 59 | 0 57 | 0 43 | 1 14 | 17 38 | 1 9 | 23 27 | 0 11 | 12 26 | 0 52 | 7 46 | 16 44 | 19 57 | 19 43 | 17 39 | 17 23 | 6 10 | S 15 |
| S 16 | 19 44 | 13 48 | 1 32 | 23 53 | 1 11 | 18 37 | 1 26 | 22 52 | 0 58 | 0 47 | 1 13 | 17 36 | 1 9 | 23 27 | 0 11 | 12 26 | 0 52 | 7 45 | 16 44 | 19 57 | 19 42 | 17 41 | 17 23 | 6 10 | S 16 |
| M17 | 19 30 | 18 54 | 0 17 | 23 48 | 1 17 | 18 16 | 1 26 | 22 45 | 0 58 | 0 51 | 1 13 | 17 34 | 1 9 | 23 27 | 0 11 | 12 27 | 0 52 | 7 45 | 16 44 | 19 57 | 19 42 | 17 44 | 17 23 | 6 10 | M17 |
| T 18 | 19 16 | 22 57 | 0s58 | 23 41 | 1 23 | 17 54 | 1 27 | 22 37 | 0 58 | 0 56 | 1 13 | 17 32 | 1 9 | 23 27 | 0 11 | 12 27 | 0 52 | 7 44 | 16 43 | 19 57 | 19 41 | 17 47 | 17 24 | 6 9 | T 18 |
| W19 | 19 1 | 25 35 | 2 10 | 23 33 | 1 28 | 17 32 | 1 27 | 22 30 | 0 59 | 1 0 | 1 13 | 17 30 | 1 9 | 23 27 | 0 11 | 12 28 | 0 52 | 7 44 | 16 43 | 19 56 | 19 40 | 17 49 | 17 24 | 6 9 | W19 |
| T 20 | 18 46 | 26 32 | 3 14 | 23 24 | 1 33 | 17 10 | 1 28 | 22 22 | 0 59 | 1 4 | 1 13 | 17 28 | 1 9 | 23 27 | 0 11 | 12 28 | 0 52 | 7 43 | 16 42 | 19 55 | 19 39 | 17 52 | 17 24 | 6 9 | T 20 |
| F 21 | 18 31 | 25 42 | 4 5 | 23 13 | 1 37 | 16 47 | 1 28 | 22 14 | 0 59 | 1 9 | 1 12 | 17 25 | 1 9 | 23 27 | 0 11 | 12 29 | 0 52 | 7 43 | 16 42 | 19 53 | 19 39 | 17 54 | 17 24 | 6 9 | F 21 |
| S 22 | 18 15 | 23 15 | 4 41 | 23 1 | 1 41 | 16 24 | 1 28 | 22 6 | 1 0 | 1 13 | 1 12 | 17 23 | 1 9 | 23 26 | 0 11 | 12 29 | 0 52 | 7 42 | 16 42 | 19 51 | 19 38 | 17 57 | 17 25 | 6 8 | S 22 |
| S 23 | 17 59 | 19 29 | 4 59 | 22 47 | 1 45 | 16 0 | 1 29 | 21 57 | 1 0 | 1 18 | 1 12 | 17 21 | 1 9 | 23 26 | 0 11 | 12 30 | 0 52 | 7 42 | 16 41 | 19 48 | 19 37 | 17 59 | 17 25 | 6 8 | S 23 |
| M24 | 17 43 | 14 46 | 5 0 | 22 32 | 1 49 | 15 36 | 1 29 | 21 48 | 1 0 | 1 22 | 1 12 | 17 19 | 1 9 | 23 26 | 0 11 | 12 30 | 0 52 | 7 41 | 16 41 | 19 45 | 19 36 | 18 2 | 17 25 | 6 8 | M24 |
| T 25 | 17 26 | 9 30 | 4 45 | 22 15 | 1 52 | 15 11 | 1 29 | 21 39 | 1 1 | 1 27 | 1 11 | 17 17 | 1 9 | 23 26 | 0 11 | 12 31 | 0 52 | 7 41 | 16 41 | 19 43 | 19 36 | 18 5 | 17 25 | 6 7 | T 25 |
| W26 | 17 9 | 3 58 | 4 15 | 21 56 | 1 55 | 14 46 | 1 29 | 21 30 | 1 1 | 1 31 | 1 11 | 17 15 | 1 10 | 23 26 | 0 11 | 12 32 | 0 52 | 7 40 | 16 40 | 19 41 | 19 35 | 18 7 | 17 26 | 6 7 | W26 |
| T 27 | 16 52 | 1n36 | 3 34 | 21 37 | 1 58 | 14 20 | 1 29 | 21 21 | 1 1 | 1 36 | 1 11 | 17 13 | 1 10 | 23 26 | 0 11 | 12 32 | 0 52 | 7 40 | 16 40 | 19 39 | 19 34 | 18 10 | 17 26 | 6 7 | T 27 |
| F 28 | 16 34 | 6 58 | 2 45 | 21 15 | 2 0 | 13 55 | 1 29 | 21 11 | 1 2 | 1 41 | 1 11 | 17 11 | 1 10 | 23 26 | 0 11 | 12 33 | 0 52 | 7 39 | 16 40 | 19 38 | 19 34 | 18 12 | 17 26 | 6 6 | F 28 |
| S 29 | 16 16 | 12 1 | 1 48 | 20 52 | 2 2 | 13 28 | 1 28 | 21 1 | 1 2 | 1 45 | 1 11 | 17 8 | 1 10 | 23 26 | 0 11 | 12 33 | 0 52 | 7 39 | 16 39 | 19 38 | 19 33 | 18 15 | 17 27 | 6 6 | S 29 |
| S 30 | 15 58 | 16 35 | 0 48 | 20 28 | 2 3 | 13 2 | 1 28 | 20 51 | 1 2 | 1 50 | 1 11 | 17 6 | 1 10 | 23 26 | 0 11 | 12 34 | 0 52 | 7 38 | 16 39 | 19 38 | 19 32 | 18 17 | 17 27 | 6 6 | S 30 |
| M31 | 15s40 | 20n30 | 0n15 | 20s 2 | 2s 4 | 12s35 | 1s28 | 20s40 | 1s 3 | 1n55 | 1s10 | 17s 4 | 1s10 | 23n26 | 0n11 | 12n35 | 0n52 | 7s38 | 16s39 | 19n38 | 19n31 | 18n20 | 17n27 | 6s 5 | M31 |

Julian Day Number = 2126485.5, Delta T = 17m11s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°19'58, Lahiri = 11°26'58 Julian Calendar 1 Jan. 1110 == Greg. Calendar 8 Jan. 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## FEBRUARY 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 8 3 | 18♒30'47 | 11♊52 | 10♒58 | 2♓ 8 | 3♒29 | 7♈42 | 16♒39 | 20°R48 | 29°R18 | 19♈50 | 27°R12 | 26♉41 | 23♉14 | 28°R16 | T 1 |
| W 2 | 9 11 59 | 19°31'12 | 23°52 | 12°43 | 3°23 | 4°16 | 7°54 | 16°46 | 20♊47 | 29♌16 | 19°51 | 27♉ 9 | 26°38 | 23°21 | 28♊14 | W 2 |
| T 3 | 9 15 56 | 20°31'36 | 6♋ 6 | 14°28 | 4°38 | 5° 3 | 8° 6 | 16°54 | 20°46 | 29°15 | 19°52 | 27° 4 | 26°35 | 23°28 | 28°12 | T 3 |
| F 4 | 9 19 52 | 21°31'57 | 18°36 | 16°15 | 5°52 | 5°50 | 8°18 | 17° 1 | 20°46 | 29°13 | 19°53 | 26°56 | 26°32 | 23°34 | 28°10 | F 4 |
| S 5 | 9 23 49 | 22°32'17 | 1♌26 | 18° 3 | 7° 7 | 6°37 | 8°30 | 17° 8 | 20°45 | 29°11 | 19°54 | 26°46 | 26°28 | 23°41 | 28° 8 | S 5 |
| S 6 | 9 27 45 | 23°32'34 | 14°35 | 19°51 | 8°22 | 7°24 | 8°42 | 17°16 | 20°44 | 29°10 | 19°54 | 26°33 | 26°25 | 23°47 | 28° 6 | S 6 |
| M 7 | 9 31 42 | 24°32'50 | 28° 3 | 21°40 | 9°37 | 8°12 | 8°54 | 17°23 | 20°43 | 29° 8 | 19°55 | 26°20 | 26°22 | 23°54 | 28° 5 | M 7 |
| T 8 | 9 35 38 | 25°33'04 | 11♍47 | 23°31 | 10°51 | 8°59 | 9° 6 | 17°30 | 20°42 | 29° 6 | 19°56 | 26° 7 | 26°19 | 24° 1 | 28° 3 | T 8 |
| W 9 | 9 39 35 | 26°33'16 | 25°42 | 25°22 | 12° 6 | 9°46 | 9°19 | 17°37 | 20°42 | 29° 5 | 19°57 | 25°56 | 26°16 | 24° 7 | 28° 2 | W 9 |
| T 10 | 9 43 32 | 27°33'27 | 9♎45 | 27°15 | 13°21 | 10°33 | 9°31 | 17°45 | 20°41 | 29° 3 | 19°58 | 25°48 | 26°13 | 24°14 | 28° 1 | T 10 |
| F 11 | 9 47 28 | 28°33'36 | 23°53 | 29° 8 | 14°35 | 11°20 | 9°44 | 17°52 | 20°41 | 29° 1 | 19°59 | 25°43 | 26° 9 | 24°21 | 27°59 | F 11 |
| S 12 | 9 51 25 | 29°33'43 | 8♏ 1 | 1♓ 2 | 15°50 | 12° 7 | 9°56 | 17°59 | 20°40 | 29° 0 | 20° 0 | 25°40 | 26° 6 | 24°27 | 27°58 | S 12 |
| S 13 | 9 55 21 | 0♓33'49 | 22° 9 | 2°57 | 17° 4 | 12°54 | 10° 9 | 18° 6 | 20°40 | 28°58 | 20° 1 | 25°40 | 26° 3 | 24°34 | 27°57 | S 13 |
| M14 | 9 59 18 | 1°33'54 | 6♐14 | 4°52 | 18°19 | 13°41 | 10°22 | 18°13 | 20°39 | 28°56 | 20° 2 | 25°40 | 26° 0 | 24°41 | 27°56 | M14 |
| T 15 | 10 3 14 | 2°33'56 | 20°16 | 6°48 | 19°33 | 14°29 | 10°34 | 18°20 | 20°39 | 28°55 | 20° 3 | 25°39 | 25°57 | 24°47 | 27°55 | T 15 |
| W16 | 10 7 11 | 3°33'57 | 4♑15 | 8°45 | 20°48 | 15°16 | 10°47 | 18°28 | 20°39 | 28°53 | 20° 4 | 25°36 | 25°54 | 24°54 | 27°55 | W16 |
| T 17 | 10 11 7 | 4°33'57 | 18°10 | 10°42 | 22° 2 | 16° 3 | 11° 0 | 18°35 | 20°38 | 28°51 | 20° 5 | 25°31 | 25°50 | 25° 1 | 27°54 | T 17 |
| F 18 | 10 15 4 | 5°33'55 | 1♒57 | 12°40 | 23°17 | 16°50 | 11°13 | 18°42 | 20°38 | 28°50 | 20° 6 | 25°22 | 25°47 | 25° 7 | 27°53 | F 18 |
| S 19 | 10 19 1 | 6°33'51 | 15°36 | 14°37 | 24°31 | 17°37 | 11°26 | 18°49 | 20°38 | 28°48 | 20° 7 | 25°11 | 25°44 | 25°14 | 27°53 | S 19 |
| S 20 | 10 22 57 | 7°33'45 | 29° 2 | 16°34 | 25°46 | 18°24 | 11°39 | 18°56 | 20°38 | 28°46 | 20° 8 | 24°59 | 25°41 | 25°21 | 27°52 | S 20 |
| M21 | 10 26 54 | 8°33'37 | 12♓14 | 18°30 | 27° 0 | 19°11 | 11°53 | 19° 3 | 20°D38 | 28°45 | 20° 9 | 24°46 | 25°38 | 25°27 | 27°52 | M21 |
| T 22 | 10 30 50 | 9°33'27 | 25° 9 | 20°26 | 28°14 | 19°59 | 12° 6 | 19°10 | 20°38 | 28°43 | 20°10 | 24°34 | 25°34 | 25°34 | 27°52 | T 22 |
| W23 | 10 34 47 | 10°33'14 | 7♈47 | 22°20 | 29°28 | 20°46 | 12°19 | 19°17 | 20°38 | 28°41 | 20°11 | 24°24 | 25°31 | 25°40 | 27°51 | W23 |
| T 24 | 10 38 43 | 11°33'00 | 20° 9 | 24°13 | 0♈43 | 21°33 | 12°32 | 19°24 | 20°38 | 28°40 | 20°12 | 24°16 | 25°28 | 25°47 | 27°D51 | T 24 |
| F 25 | 10 42 40 | 12°32'44 | 2♉16 | 26° 4 | 1°57 | 22°20 | 12°46 | 19°31 | 20°38 | 28°38 | 20°13 | 24°12 | 25°25 | 25°54 | 27°51 | F 25 |
| S 26 | 10 46 36 | 13°32'25 | 14°12 | 27°53 | 3°11 | 23° 7 | 12°59 | 19°38 | 20°39 | 28°37 | 20°14 | 24° 9 | 25°22 | 26° 0 | 27°51 | S 26 |
| S 27 | 10 50 33 | 14°32'04 | 26° 1 | 29°38 | 4°25 | 23°54 | 13°13 | 19°45 | 20°39 | 28°35 | 20°15 | 24°D 9 | 25°19 | 26° 7 | 27°52 | S 27 |
| M28 | 10 54 29 | 15♓31'41 | 7♊49 | 1♈20 | 5♈39 | 24♒41 | 13♈26 | 19♒51 | 20♊39 | 28♌33 | 20♈17 | 24♉ 9 | 25♉15 | 26♉14 | 27♊52 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s21 | 23n36 | 1n17 | 19s34 | 2s 5 | 12s 8 | 1s27 | 20s29 | 1s 3 | 2n 0 | 1s10 | 17s 2 | 1s10 | 23n26 | 0n11 | 12n35 | 0n52 | 7s37 | 16s38 | 19n38 | 19n31 | 18n22 | 17n28 | 6s 5 |
| W 2 | 15 2 | 25 41 | 2 16 | 19 5 | 2 5 | 11 40 | 1 27 | 20 18 | 1 3 | 2 5 | 1 10 | 17 0 | 1 10 | 23 25 | 0 11 | 12 36 | 0 52 | 7 36 | 16 38 | 19 37 | 19 30 | 18 25 | 17 28 | 6 5 |
| T 3 | 14 43 | 26 35 | 3 10 | 18 34 | 2 5 | 11 12 | 1 27 | 20 7 | 1 3 | 2 9 | 1 10 | 16 58 | 1 10 | 23 25 | 0 11 | 12 36 | 0 52 | 7 36 | 16 38 | 19 36 | 19 29 | 18 27 | 17 28 | 6 4 |
| F 4 | 14 24 | 26 10 | 3 56 | 18 1 | 2 4 | 10 44 | 1 26 | 19 56 | 1 4 | 2 14 | 1 10 | 16 55 | 1 10 | 23 25 | 0 11 | 12 37 | 0 52 | 7 35 | 16 38 | 19 34 | 19 28 | 18 30 | 17 29 | 6 4 |
| S 5 | 14 4 | 24 21 | 4 32 | 17 27 | 2 3 | 10 15 | 1 25 | 19 44 | 1 4 | 2 19 | 1 9 | 16 53 | 1 10 | 23 25 | 0 11 | 12 37 | 0 52 | 7 35 | 16 37 | 19 32 | 19 28 | 18 32 | 17 29 | 6 4 |
| S 6 | 13 44 | 21 13 | 4 54 | 16 51 | 2 2 | 9 47 | 1 25 | 19 33 | 1 4 | 2 24 | 1 9 | 16 51 | 1 10 | 23 25 | 0 11 | 12 38 | 0 52 | 7 34 | 16 37 | 19 29 | 19 27 | 18 35 | 17 29 | 6 3 |
| M 7 | 13 24 | 16 53 | 5 0 | 16 14 | 2 0 | 9 18 | 1 24 | 19 21 | 1 4 | 2 29 | 1 9 | 16 49 | 1 10 | 23 25 | 0 11 | 12 39 | 0 52 | 7 34 | 16 37 | 19 26 | 19 26 | 18 37 | 17 30 | 6 3 |
| T 8 | 13 4 | 11 38 | 4 49 | 15 35 | 1 57 | 8 49 | 1 23 | 19 8 | 1 5 | 2 34 | 1 9 | 16 47 | 1 10 | 23 25 | 0 11 | 12 39 | 0 52 | 7 33 | 16 36 | 19 23 | 19 25 | 18 40 | 17 30 | 6 3 |
| W 9 | 12 43 | 5 42 | 4 21 | 14 55 | 1 54 | 8 19 | 1 22 | 18 56 | 1 5 | 2 39 | 1 9 | 16 45 | 1 10 | 23 25 | 0 11 | 12 40 | 0 52 | 7 32 | 16 36 | 19 20 | 19 25 | 18 42 | 17 30 | 6 2 |
| T 10 | 12 23 | 0s34 | 3 37 | 14 13 | 1 50 | 7 49 | 1 21 | 18 43 | 1 5 | 2 44 | 1 9 | 16 43 | 1 11 | 23 25 | 0 11 | 12 40 | 0 52 | 7 32 | 16 36 | 19 18 | 19 24 | 18 45 | 17 31 | 6 2 |
| F 11 | 12 2 | 6 50 | 2 39 | 13 29 | 1 46 | 7 20 | 1 20 | 18 30 | 1 5 | 2 49 | 1 8 | 16 40 | 1 11 | 23 25 | 0 11 | 12 41 | 0 52 | 7 31 | 16 35 | 19 17 | 19 23 | 18 47 | 17 31 | 6 1 |
| S 12 | 11 41 | 12 48 | 1 32 | 12 44 | 1 41 | 6 50 | 1 19 | 18 17 | 1 5 | 2 55 | 1 8 | 16 38 | 1 11 | 23 25 | 0 11 | 12 42 | 0 52 | 7 31 | 16 35 | 19 16 | 19 22 | 18 50 | 17 32 | 6 1 |
| S 13 | 11 20 | 18 6 | 0 19 | 11 58 | 1 36 | 6 19 | 1 18 | 18 4 | 1 6 | 3 0 | 1 8 | 16 36 | 1 11 | 23 25 | 0 11 | 12 42 | 0 52 | 7 30 | 16 35 | 19 16 | 19 22 | 18 52 | 17 32 | 6 1 |
| M14 | 10 58 | 22 22 | 0s56 | 11 10 | 1 30 | 5 49 | 1 17 | 17 51 | 1 6 | 3 5 | 1 8 | 16 34 | 1 11 | 23 25 | 0 11 | 12 43 | 0 52 | 7 29 | 16 35 | 19 16 | 19 21 | 18 55 | 17 32 | 6 0 |
| T 15 | 10 37 | 25 18 | 2 6 | 10 21 | 1 23 | 5 18 | 1 15 | 17 37 | 1 6 | 3 10 | 1 8 | 16 32 | 1 11 | 23 25 | 0 11 | 12 43 | 0 52 | 7 29 | 16 34 | 19 16 | 19 20 | 18 57 | 17 33 | 6 0 |
| W16 | 10 15 | 26 38 | 3 9 | 9 30 | 1 16 | 4 48 | 1 14 | 17 24 | 1 6 | 3 15 | 1 8 | 16 30 | 1 11 | 23 25 | 0 11 | 12 44 | 0 52 | 7 28 | 16 34 | 19 15 | 19 19 | 19 0 | 17 33 | 5 59 |
| T 17 | 9 53 | 26 17 | 4 0 | 8 39 | 1 9 | 4 17 | 1 12 | 17 10 | 1 6 | 3 20 | 1 8 | 16 28 | 1 11 | 23 25 | 0 11 | 12 45 | 0 52 | 7 28 | 16 34 | 19 14 | 19 19 | 19 2 | 17 34 | 5 59 |
| F 18 | 9 31 | 24 18 | 4 36 | 7 46 | 1 0 | 3 46 | 1 11 | 16 55 | 1 7 | 3 26 | 1 7 | 16 25 | 1 11 | 23 25 | 0 11 | 12 45 | 0 52 | 7 27 | 16 34 | 19 12 | 19 18 | 19 5 | 17 34 | 5 58 |
| S 19 | 9 9 | 20 57 | 4 57 | 6 53 | 0 51 | 3 15 | 1 9 | 16 41 | 1 7 | 3 31 | 1 7 | 16 23 | 1 11 | 23 25 | 0 11 | 12 46 | 0 52 | 7 26 | 16 33 | 19 9 | 19 17 | 19 7 | 17 34 | 5 58 |
| S 20 | 8 46 | 16 32 | 5 0 | 5 58 | 0 42 | 2 44 | 1 8 | 16 27 | 1 7 | 3 36 | 1 7 | 16 21 | 1 11 | 23 25 | 0 11 | 12 46 | 0 52 | 7 26 | 16 33 | 19 6 | 19 16 | 19 10 | 17 35 | 5 58 |
| M21 | 8 24 | 11 25 | 4 47 | 5 3 | 0 32 | 2 13 | 1 6 | 16 12 | 1 7 | 3 41 | 1 7 | 16 19 | 1 12 | 23 25 | 0 11 | 12 47 | 0 52 | 7 25 | 16 33 | 19 3 | 19 16 | 19 12 | 17 35 | 5 57 |
| T 22 | 8 1 | 5 54 | 4 20 | 4 8 | 0 21 | 1 41 | 1 5 | 15 57 | 1 7 | 3 47 | 1 7 | 16 17 | 1 12 | 23 25 | 0 11 | 12 48 | 0 52 | 7 25 | 16 33 | 19 0 | 19 15 | 19 15 | 17 36 | 5 57 |
| W23 | 7 39 | 0 15 | 3 40 | 3 13 | 0 10 | 1 10 | 1 3 | 15 42 | 1 7 | 3 52 | 1 7 | 16 15 | 1 12 | 23 25 | 0 11 | 12 48 | 0 52 | 7 24 | 16 32 | 18 58 | 19 14 | 19 17 | 17 36 | 5 56 |
| T 24 | 7 16 | 5n17 | 2 50 | 2 17 | 0n 1 | 0 39 | 1 1 | 15 27 | 1 7 | 3 57 | 1 7 | 16 13 | 1 12 | 23 25 | 0 11 | 12 49 | 0 52 | 7 23 | 16 32 | 18 56 | 19 13 | 19 20 | 17 36 | 5 56 |
| F 25 | 6 53 | 10 33 | 1 54 | 1 22 | 0 13 | 0 8 | 0 59 | 15 12 | 1 8 | 4 3 | 1 6 | 16 11 | 1 12 | 23 25 | 0 11 | 12 49 | 0 52 | 7 23 | 16 32 | 18 55 | 19 13 | 19 22 | 17 37 | 5 55 |
| S 26 | 6 30 | 15 20 | 0 53 | 0 27 | 0 26 | 0n24 | 0 57 | 14 57 | 1 8 | 4 8 | 1 6 | 16 9 | 1 12 | 23 25 | 0 11 | 12 50 | 0 52 | 7 22 | 16 32 | 18 54 | 19 12 | 19 24 | 17 37 | 5 55 |
| S 27 | 6 7 | 19 31 | 0n10 | 0n26 | 0 38 | 0 55 | 0 55 | 14 41 | 1 8 | 4 14 | 1 6 | 16 6 | 1 12 | 23 25 | 0 11 | 12 50 | 0 52 | 7 21 | 16 32 | 18 54 | 19 11 | 19 27 | 17 38 | 5 55 |
| M28 | 5s44 | 22n54 | 1n12 | 1n19 | 0n51 | 1n27 | 0s53 | 14s25 | 1s 8 | 4n19 | 1s 6 | 16s 4 | 1s12 | 23n25 | 0n11 | 12n51 | 0n52 | 7s21 | 16s31 | 18n54 | 19n10 | 19n29 | 17n38 | 5s54 |

Julian Day Number = 2126516.5, Delta T = 17m11s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'02, Lahiri = 11°27'03 Julian Calendar 1 Feb. 1110 == Greg. Calendar 8 Feb. 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## MARCH 1110 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 58 26 | 16♓31'15 | 19♊40 | 2♈59 | 6♈53 | 25♒28 | 13♈40 | 19♒58 | 20♊40 | 28°R32 | 20♈18 | 24°R 9 | 25♉12 | 26♉20 | 27♊52 | T 1 |
| W 2 | 11 2 23 | 17°30'48 | 1♋40 | 4°33 | 8° 7 | 26°15 | 13°54 | 20° 5 | 20°40 | 28♎30 | 20°19 | 24♉ 8 | 25° 9 | 26°27 | 27°53 | W 2 |
| T 3 | 11 6 19 | 18°30'17 | 13°55 | 6° 3 | 9°21 | 27° 2 | 14° 7 | 20°12 | 20°41 | 28°29 | 20°20 | 24° 5 | 25° 6 | 26°34 | 27°53 | T 3 |
| F 4 | 11 10 16 | 19°29'45 | 26°29 | 7°27 | 10°35 | 27°49 | 14°21 | 20°18 | 20°41 | 28°27 | 20°21 | 24° 0 | 25° 3 | 26°40 | 27°54 | F 4 |
| S 5 | 11 14 12 | 20°29'10 | 9♎25 | 8°46 | 11°49 | 28°36 | 14°35 | 20°25 | 20°42 | 28°26 | 20°23 | 23°52 | 24°59 | 26°47 | 27°55 | S 5 |
| S 6 | 11 18 9 | 21°28'33 | 22°44 | 9°59 | 13° 3 | 29°23 | 14°48 | 20°32 | 20°43 | 28°24 | 20°24 | 23°43 | 24°56 | 26°54 | 27°55 | S 6 |
| M 7 | 11 22 5 | 22°27'54 | 6♍28 | 11° 6 | 14°17 | 0♓10 | 15° 2 | 20°38 | 20°43 | 28°23 | 20°25 | 23°32 | 24°53 | 27° 0 | 27°56 | M 7 |
| T 8 | 11 26 2 | 23°27'12 | 20°32 | 12° 6 | 15°31 | 0°57 | 15°16 | 20°45 | 20°44 | 28°21 | 20°26 | 23°22 | 24°50 | 27° 7 | 27°57 | T 8 |
| W 9 | 11 29 58 | 24°26'29 | 4♏52 | 13° 0 | 16°44 | 1°44 | 15°30 | 20°51 | 20°45 | 28°20 | 20°28 | 23°14 | 24°47 | 27°13 | 27°58 | W 9 |
| T 10 | 11 33 55 | 25°25'43 | 19°22 | 13°46 | 17°58 | 2°31 | 15°44 | 20°58 | 20°46 | 28°18 | 20°29 | 23° 7 | 24°44 | 27°20 | 28° 0 | T 10 |
| F 11 | 11 37 52 | 26°24'55 | 3♏55 | 14°26 | 19°12 | 3°18 | 15°58 | 21° 4 | 20°47 | 28°17 | 20°30 | 23° 3 | 24°40 | 27°27 | 28° 1 | F 11 |
| S 12 | 11 41 48 | 27°24'06 | 18°27 | 14°58 | 20°25 | 4° 5 | 16°12 | 21°11 | 20°48 | 28°15 | 20°31 | 23°D 2 | 24°37 | 27°33 | 28° 2 | S 12 |
| S 13 | 11 45 45 | 28°23'15 | 2♐51 | 15°23 | 21°39 | 4°52 | 16°26 | 21°17 | 20°49 | 28°14 | 20°33 | 23° 2 | 24°34 | 27°40 | 28° 4 | S 13 |
| M14 | 11 49 41 | 29°22'22 | 17° 6 | 15°41 | 22°53 | 5°39 | 16°40 | 21°23 | 20°50 | 28°12 | 20°34 | 23° 3 | 24°31 | 27°47 | 28° 5 | M14 |
| T 15 | 11 53 38 | 0♈21'27 | 1♑ 9 | 15°52 | 24° 6 | 6°26 | 16°54 | 21°30 | 20°51 | 28°11 | 20°35 | 23°R 3 | 24°28 | 27°53 | 28° 7 | T 15 |
| W16 | 11 57 34 | 1°20'31 | 15° 1 | 15°R55 | 25°20 | 7°12 | 17° 8 | 21°36 | 20°52 | 28°10 | 20°37 | 23° 3 | 24°25 | 28° 0 | 28° 8 | W16 |
| T 17 | 12 1 31 | 2°19'32 | 28°40 | 15°52 | 26°33 | 7°59 | 17°22 | 21°42 | 20°54 | 28° 8 | 20°38 | 23° 0 | 24°21 | 28° 7 | 28°10 | T 17 |
| F 18 | 12 5 27 | 3°18'32 | 12♒ 7 | 15°42 | 27°46 | 8°46 | 17°36 | 21°48 | 20°55 | 28° 7 | 20°39 | 22°55 | 24°18 | 28°13 | 28°12 | F 18 |
| S 19 | 12 9 24 | 4°17'30 | 25°22 | 15°26 | 29° 0 | 9°33 | 17°51 | 21°54 | 20°56 | 28° 6 | 20°41 | 22°48 | 24°15 | 28°20 | 28°14 | S 19 |
| S 20 | 12 13 21 | 5°16'27 | 8♓24 | 15° 4 | 0♉13 | 10°19 | 18° 5 | 22° 0 | 20°58 | 28° 5 | 20°42 | 22°39 | 24°12 | 28°27 | 28°16 | S 20 |
| M21 | 12 17 17 | 6°15'21 | 21°13 | 14°37 | 1°26 | 11° 6 | 18°19 | 22° 6 | 20°59 | 28° 3 | 20°43 | 22°31 | 24° 9 | 28°33 | 28°18 | M21 |
| T 22 | 12 21 14 | 7°14'13 | 3♈49 | 14° 5 | 2°40 | 11°53 | 18°33 | 22°12 | 21° 1 | 28° 2 | 20°45 | 22°23 | 24° 5 | 28°40 | 28°20 | T 22 |
| W23 | 12 25 10 | 8°13'03 | 16°13 | 13°29 | 3°53 | 12°39 | 18°47 | 22°18 | 21° 2 | 28° 1 | 20°46 | 22°16 | 24° 2 | 28°46 | 28°23 | W23 |
| T 24 | 12 29 7 | 9°11'51 | 28°24 | 12°50 | 5° 6 | 13°26 | 19° 2 | 22°23 | 21° 4 | 28° 0 | 20°47 | 22°11 | 23°59 | 28°53 | 28°25 | T 24 |
| F 25 | 12 33 3 | 10°10'37 | 10♉25 | 12° 8 | 6°19 | 14°13 | 19°16 | 22°29 | 21° 5 | 27°59 | 20°49 | 22° 9 | 23°56 | 29° 0 | 28°27 | F 25 |
| S 26 | 12 37 0 | 11° 9'21 | 22°17 | 11°25 | 7°32 | 14°59 | 19°30 | 22°35 | 21° 7 | 27°57 | 20°50 | 22°D 8 | 23°53 | 29° 6 | 28°30 | S 26 |
| S 27 | 12 40 56 | 12° 8'03 | 4♊ 5 | 10°41 | 8°45 | 15°46 | 19°45 | 22°40 | 21° 9 | 27°56 | 20°51 | 22° 9 | 23°50 | 29°13 | 28°33 | S 27 |
| M28 | 12 44 53 | 13° 6'42 | 15°52 | 9°57 | 9°58 | 16°32 | 19°59 | 22°46 | 21°11 | 27°55 | 20°53 | 22°10 | 23°46 | 29°20 | 28°35 | M28 |
| T 29 | 12 48 50 | 14° 5'20 | 27°43 | 9°13 | 11°11 | 17°19 | 20°13 | 22°51 | 21°12 | 27°54 | 20°54 | 22°12 | 23°43 | 29°26 | 28°38 | T 29 |
| W30 | 12 52 46 | 15° 3'55 | 9♋43 | 8°32 | 12°24 | 18° 5 | 20°28 | 22°57 | 21°14 | 27°53 | 20°56 | 22°R13 | 23°40 | 29°33 | 28°41 | W30 |
| T 31 | 12 56 43 | 16♈ 2'28 | 21♋56 | 7♈52 | 13♉37 | 18♓52 | 20♈42 | 23♒ 2 | 21♊16 | 27♎52 | 20♈57 | 22♉13 | 23♉37 | 29♉40 | 28♊44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 5s21 | 25n20 | 2n12 | 2n10 | 1n 4 | 1n58 | 0s51 | 14s10 | 1s 8 | 4n24 | 1s 6 | 16s 2 | 1s12 | 23n25 | 0n11 | 12n52 | 0n52 | 7s20 | 16s31 | 18n54 | 19n10 | 19n32 | 17n39 | 5s54 | T 1 |
| W 2 | 4 57 | 26 39 | 3 6 | 2 59 | 1 16 | 2 29 | 0 49 | 13 54 | 1 8 | 4 30 | 1 6 | 16 0 | 1 13 | 23 25 | 0 11 | 12 52 | 0 52 | 7 20 | 16 31 | 18 54 | 19 9 | 19 34 | 17 39 | 5 53 | W 2 |
| T 3 | 4 34 | 26 41 | 3 53 | 3 47 | 1 29 | 3 0 | 0 47 | 13 37 | 1 8 | 4 35 | 1 6 | 15 58 | 1 13 | 23 25 | 0 11 | 12 53 | 0 52 | 7 19 | 16 31 | 18 53 | 19 8 | 19 37 | 17 40 | 5 53 | T 3 |
| F 4 | 4 11 | 25 23 | 4 30 | 4 32 | 1 42 | 3 32 | 0 45 | 13 21 | 1 8 | 4 41 | 1 6 | 15 56 | 1 13 | 23 25 | 0 11 | 12 53 | 0 52 | 7 18 | 16 31 | 18 52 | 19 7 | 19 39 | 17 40 | 5 52 | F 4 |
| S 5 | 3 47 | 22 43 | 4 54 | 5 14 | 1 54 | 4 3 | 0 42 | 13 5 | 1 8 | 4 46 | 1 6 | 15 54 | 1 13 | 23 25 | 0 11 | 12 54 | 0 52 | 7 18 | 16 30 | 18 50 | 19 6 | 19 41 | 17 41 | 5 52 | S 5 |
| S 6 | 3 24 | 18 47 | 5 4 | 5 54 | 2 6 | 4 34 | 0 40 | 12 48 | 1 8 | 4 51 | 1 5 | 15 52 | 1 13 | 23 25 | 0 11 | 12 54 | 0 52 | 7 17 | 16 30 | 18 47 | 19 6 | 19 44 | 17 41 | 5 51 | S 6 |
| M 7 | 3 0 | 13 46 | 4 56 | 6 31 | 2 17 | 5 5 | 0 38 | 12 32 | 1 8 | 4 57 | 1 5 | 15 50 | 1 13 | 23 25 | 0 11 | 12 55 | 0 52 | 7 17 | 16 30 | 18 45 | 19 5 | 19 46 | 17 41 | 5 51 | M 7 |
| T 8 | 2 37 | 7 55 | 4 31 | 7 4 | 2 28 | 5 35 | 0 35 | 12 15 | 1 8 | 5 2 | 1 5 | 15 48 | 1 13 | 23 25 | 0 11 | 12 55 | 0 52 | 7 16 | 16 30 | 18 42 | 19 4 | 19 49 | 17 42 | 5 51 | T 8 |
| W 9 | 2 13 | 1 33 | 3 48 | 7 35 | 2 38 | 6 6 | 0 33 | 11 58 | 1 8 | 5 8 | 1 5 | 15 46 | 1 13 | 23 25 | 0 11 | 12 56 | 0 52 | 7 15 | 16 30 | 18 40 | 19 3 | 19 51 | 17 42 | 5 50 | W 9 |
| T 10 | 1 50 | 4s59 | 2 50 | 8 1 | 2 47 | 6 37 | 0 31 | 11 41 | 1 8 | 5 13 | 1 5 | 15 44 | 1 14 | 23 25 | 0 11 | 12 56 | 0 52 | 7 15 | 16 29 | 18 39 | 19 3 | 19 53 | 17 43 | 5 50 | T 10 |
| F 11 | 1 26 | 11 19 | 1 41 | 8 24 | 2 55 | 7 7 | 0 28 | 11 24 | 1 8 | 5 19 | 1 5 | 15 42 | 1 14 | 23 25 | 0 11 | 12 57 | 0 52 | 7 14 | 16 29 | 18 38 | 19 2 | 19 56 | 17 43 | 5 49 | F 11 |
| S 12 | 1 2 | 17 0 | 0 25 | 8 44 | 3 3 | 7 37 | 0 26 | 11 7 | 1 8 | 5 24 | 1 5 | 15 40 | 1 14 | 23 26 | 0 11 | 12 57 | 0 52 | 7 14 | 16 29 | 18 37 | 19 1 | 19 58 | 17 44 | 5 49 | S 12 |
| S 13 | 0 39 | 21 41 | 0s53 | 8 59 | 3 9 | 8 7 | 0 23 | 10 50 | 1 8 | 5 30 | 1 5 | 15 39 | 1 14 | 23 26 | 0 11 | 12 58 | 0 52 | 7 13 | 16 29 | 18 37 | 19 0 | 20 0 | 17 44 | 5 48 | S 13 |
| M14 | 0 15 | 25 1 | 2 6 | 9 11 | 3 14 | 8 37 | 0 20 | 10 33 | 1 8 | 5 35 | 1 5 | 15 37 | 1 14 | 23 26 | 0 11 | 12 58 | 0 52 | 7 12 | 16 29 | 18 38 | 18 59 | 20 3 | 17 45 | 5 48 | M14 |
| T 15 | 0n 9 | 26 43 | 3 10 | 9 18 | 3 17 | 9 7 | 0 18 | 10 15 | 1 8 | 5 41 | 1 5 | 15 35 | 1 14 | 23 26 | 0 11 | 12 59 | 0 52 | 7 12 | 16 29 | 18 38 | 18 59 | 20 5 | 17 45 | 5 47 | T 15 |
| W16 | 0 32 | 26 43 | 4 3 | 9 22 | 3 20 | 9 37 | 0 15 | 9 58 | 1 8 | 5 46 | 1 4 | 15 33 | 1 14 | 23 26 | 0 11 | 12 59 | 0 52 | 7 11 | 16 29 | 18 37 | 18 58 | 20 8 | 17 46 | 5 47 | W16 |
| T 17 | 0 56 | 25 6 | 4 40 | 9 21 | 3 21 | 10 6 | 0 13 | 9 40 | 1 8 | 5 52 | 1 4 | 15 31 | 1 14 | 23 26 | 0 11 | 13 0 | 0 52 | 7 11 | 16 28 | 18 37 | 18 57 | 20 10 | 17 46 | 5 47 | T 17 |
| F 18 | 1 19 | 22 4 | 5 2 | 9 17 | 3 20 | 10 35 | 0 10 | 9 23 | 1 8 | 5 57 | 1 4 | 15 29 | 1 15 | 23 26 | 0 11 | 13 0 | 0 52 | 7 10 | 16 28 | 18 35 | 18 56 | 20 12 | 17 46 | 5 46 | F 18 |
| S 19 | 1 43 | 17 56 | 5 7 | 9 8 | 3 18 | 11 4 | 0 7 | 9 5 | 1 8 | 6 3 | 1 4 | 15 27 | 1 15 | 23 26 | 0 11 | 13 1 | 0 52 | 7 9 | 16 28 | 18 34 | 18 56 | 20 15 | 17 47 | 5 46 | S 19 |
| S 20 | 2 6 | 13 2 | 4 56 | 8 56 | 3 14 | 11 32 | 0 4 | 8 47 | 1 8 | 6 8 | 1 4 | 15 25 | 1 15 | 23 26 | 0 11 | 13 1 | 0 52 | 7 9 | 16 28 | 18 32 | 18 55 | 20 17 | 17 47 | 5 45 | S 20 |
| M21 | 2 30 | 7 38 | 4 30 | 8 41 | 3 8 | 12 0 | 0 2 | 8 29 | 1 8 | 6 14 | 1 4 | 15 24 | 1 15 | 23 26 | 0 11 | 13 1 | 0 52 | 7 8 | 16 28 | 18 29 | 18 54 | 20 19 | 17 48 | 5 45 | M21 |
| T 22 | 2 53 | 2 1 | 3 51 | 8 22 | 3 1 | 12 28 | 0n 1 | 8 11 | 1 8 | 6 19 | 1 4 | 15 22 | 1 15 | 23 26 | 0 11 | 13 2 | 0 52 | 7 8 | 16 28 | 18 27 | 18 53 | 20 22 | 17 48 | 5 44 | T 22 |
| W23 | 3 16 | 3n36 | 3 2 | 8 0 | 2 53 | 12 56 | 0 4 | 7 53 | 1 8 | 6 25 | 1 4 | 15 20 | 1 15 | 23 26 | 0 11 | 13 2 | 0 52 | 7 7 | 16 28 | 18 26 | 18 52 | 20 24 | 17 49 | 5 44 | W23 |
| T 24 | 3 40 | 9 0 | 2 5 | 7 35 | 2 43 | 13 24 | 0 7 | 7 35 | 1 8 | 6 30 | 1 4 | 15 18 | 1 16 | 23 27 | 0 11 | 13 3 | 0 52 | 7 7 | 16 28 | 18 24 | 18 52 | 20 26 | 17 49 | 5 44 | T 24 |
| F 25 | 4 3 | 14 1 | 1 3 | 7 8 | 2 31 | 13 51 | 0 10 | 7 17 | 1 8 | 6 36 | 1 4 | 15 17 | 1 16 | 23 27 | 0 11 | 13 3 | 0 52 | 7 6 | 16 28 | 18 24 | 18 51 | 20 29 | 17 50 | 5 43 | F 25 |
| S 26 | 4 26 | 18 27 | 0n 1 | 6 40 | 2 19 | 14 17 | 0 12 | 6 59 | 1 8 | 6 41 | 1 4 | 15 15 | 1 16 | 23 27 | 0 11 | 13 3 | 0 52 | 7 5 | 16 28 | 18 23 | 18 50 | 20 31 | 17 50 | 5 43 | S 26 |
| S 27 | 4 49 | 22 8 | 1 5 | 6 10 | 2 5 | 14 44 | 0 15 | 6 41 | 1 8 | 6 47 | 1 4 | 15 13 | 1 16 | 23 27 | 0 11 | 13 4 | 0 52 | 7 5 | 16 28 | 18 24 | 18 49 | 20 33 | 17 51 | 5 42 | S 27 |
| M28 | 5 12 | 24 53 | 2 6 | 5 39 | 1 50 | 15 10 | 0 18 | 6 22 | 1 7 | 6 52 | 1 4 | 15 12 | 1 16 | 23 27 | 0 11 | 13 4 | 0 52 | 7 4 | 16 27 | 18 24 | 18 48 | 20 36 | 17 51 | 5 42 | M28 |
| T 29 | 5 35 | 26 34 | 3 2 | 5 8 | 1 35 | 15 35 | 0 21 | 6 4 | 1 7 | 6 58 | 1 4 | 15 10 | 1 16 | 23 27 | 0 11 | 13 5 | 0 52 | 7 4 | 16 27 | 18 24 | 18 48 | 20 38 | 17 51 | 5 42 | T 29 |
| W30 | 5 58 | 27 2 | 3 51 | 4 36 | 1 19 | 16 1 | 0 24 | 5 46 | 1 7 | 7 3 | 1 3 | 15 8 | 1 16 | 23 27 | 0 11 | 13 5 | 0 52 | 7 3 | 16 27 | 18 25 | 18 47 | 20 40 | 17 52 | 5 41 | W30 |
| T 31 | 6n20 | 26n12 | 4n30 | 4n 6 | 1n 3 | 16n26 | 0n27 | 5s27 | 1s 7 | 7n 8 | 1s 3 | 15s 7 | 1s17 | 23n27 | 0n11 | 13n 5 | 0n52 | 7s 3 | 16s27 | 18n25 | 18n46 | 20n42 | 17n52 | 5s41 | T 31 |

Julian Day Number = 2126544.5, Delta T = 17m10s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'06, Lahiri = 11°27'07 Julian Calendar 1 March 1110 == Greg. Calendar 8 March 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## APRIL 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 0 39 | 17♈ 0'59 | 4♌28 | 7°R16 | 14♉49 | 19♓38 | 20♈56 | 23♒ 7 | 21♊18 | 27°R51 | 20♈58 | 22°R11 | 23♉34 | 29♉46 | 28♊47 | F 1 |
| S 2 | 13 4 36 | 17°59'27 | 17°23 | 6♈43 | 16° 2 | 20°24 | 21°11 | 23°13 | 21°20 | 27♌50 | 21° 0 | 22♉ 8 | 23°31 | 29°53 | 28°50 | S 2 |
| S 3 | 13 8 32 | 18°57'54 | 0♍44 | 6°13 | 17°15 | 21°11 | 21°25 | 23°18 | 21°22 | 27°49 | 21° 1 | 22° 4 | 23°27 | 29°59 | 28°53 | S 3 |
| M 4 | 13 12 29 | 19°56'18 | 14°31 | 5°48 | 18°27 | 21°57 | 21°39 | 23°23 | 21°24 | 27°48 | 21° 2 | 21°59 | 23°24 | 0♊ 6 | 28°56 | M 4 |
| T 5 | 13 16 25 | 20°54'40 | 28°43 | 5°28 | 19°40 | 22°43 | 21°54 | 23°28 | 21°26 | 27°47 | 21° 4 | 21°55 | 23°21 | 0°13 | 29° 0 | T 5 |
| W 6 | 13 20 22 | 21°53'00 | 13♎17 | 5°12 | 20°52 | 23°29 | 22° 8 | 23°33 | 21°29 | 27°47 | 21° 5 | 21°51 | 23°18 | 0°20 | 29° 3 | W 6 |
| T 7 | 13 24 18 | 22°51'18 | 28° 6 | 5° 2 | 22° 5 | 24°15 | 22°22 | 23°38 | 21°31 | 27°46 | 21° 7 | 21°48 | 23°15 | 0°26 | 29° 6 | T 7 |
| F 8 | 13 28 15 | 23°49'34 | 13♏ 2 | 4°56 | 23°17 | 25° 2 | 22°37 | 23°43 | 21°33 | 27°45 | 21° 8 | 21°46 | 23°11 | 0°33 | 29°10 | F 8 |
| S 9 | 13 32 12 | 24°47'49 | 27°58 | 4°D55 | 24°29 | 25°48 | 22°51 | 23°47 | 21°35 | 27°44 | 21° 9 | 21°D46 | 23° 8 | 0°39 | 29°13 | S 9 |
| S 10 | 13 36 8 | 25°46'02 | 12♐45 | 4°59 | 25°42 | 26°34 | 23° 5 | 23°52 | 21°38 | 27°44 | 21°11 | 21°47 | 23° 5 | 0°46 | 29°17 | S 10 |
| M11 | 13 40 5 | 26°44'14 | 27°18 | 5° 7 | 26°54 | 27°20 | 23°20 | 23°57 | 21°40 | 27°43 | 21°12 | 21°48 | 23° 2 | 0°53 | 29°21 | M11 |
| T 12 | 13 44 1 | 27°42'24 | 11♑33 | 5°21 | 28° 6 | 28° 6 | 23°34 | 24° 1 | 21°42 | 27°42 | 21°13 | 21°50 | 22°59 | 0°59 | 29°25 | T 12 |
| W13 | 13 47 58 | 28°40'33 | 25°29 | 5°39 | 29°18 | 28°52 | 23°48 | 24° 6 | 21°45 | 27°42 | 21°15 | 21°R50 | 22°56 | 1° 6 | 29°28 | W13 |
| T 14 | 13 51 54 | 29°38'40 | 9♒ 5 | 6° 2 | 0♊30 | 29°38 | 24° 3 | 24°10 | 21°47 | 27°41 | 21°16 | 21°50 | 22°52 | 1°13 | 29°32 | T 14 |
| F 15 | 13 55 51 | 0♉36'46 | 22°23 | 6°29 | 1°42 | 0♈23 | 24°17 | 24°14 | 21°50 | 27°40 | 21°18 | 21°49 | 22°49 | 1°19 | 29°36 | F 15 |
| S 16 | 13 59 48 | 1°34'50 | 5♓23 | 7° 0 | 2°54 | 1° 9 | 24°31 | 24°18 | 21°52 | 27°40 | 21°19 | 21°47 | 22°46 | 1°26 | 29°40 | S 16 |
| S 17 | 14 3 44 | 2°32'53 | 18° 7 | 7°35 | 4° 6 | 1°55 | 24°45 | 24°23 | 21°55 | 27°39 | 21°20 | 21°44 | 22°43 | 1°33 | 29°45 | S 17 |
| M18 | 14 7 41 | 3°30'54 | 0♈37 | 8°14 | 5°18 | 2°41 | 25° 0 | 24°27 | 21°58 | 27°39 | 21°22 | 21°41 | 22°40 | 1°39 | 29°49 | M18 |
| T 19 | 14 11 37 | 4°28'54 | 12°56 | 8°57 | 6°30 | 3°27 | 25°14 | 24°31 | 22° 0 | 27°38 | 21°23 | 21°39 | 22°36 | 1°46 | 29°53 | T 19 |
| W20 | 14 15 34 | 5°26'52 | 25° 4 | 9°43 | 7°41 | 4°12 | 25°28 | 24°35 | 22° 3 | 27°38 | 21°24 | 21°37 | 22°33 | 1°53 | 29°57 | W20 |
| T 21 | 14 19 30 | 6°24'49 | 7♉ 4 | 10°33 | 8°53 | 4°58 | 25°42 | 24°38 | 22° 6 | 27°37 | 21°26 | 21°35 | 22°30 | 1°59 | 0♋ 2 | T 21 |
| F 22 | 14 23 27 | 7°22'44 | 18°58 | 11°26 | 10° 5 | 5°43 | 25°57 | 24°42 | 22° 9 | 27°37 | 21°27 | 21°D35 | 22°27 | 2° 6 | 0° 6 | F 22 |
| S 23 | 14 27 23 | 8°20'38 | 0♊47 | 12°23 | 11°16 | 6°29 | 26°11 | 24°46 | 22°11 | 27°37 | 21°28 | 21°35 | 22°24 | 2°13 | 0°11 | S 23 |
| S 24 | 14 31 20 | 9°18'30 | 12°34 | 13°22 | 12°28 | 7°14 | 26°25 | 24°49 | 22°14 | 27°37 | 21°30 | 21°36 | 22°21 | 2°19 | 0°15 | S 24 |
| M25 | 14 35 16 | 10°16'20 | 24°22 | 14°25 | 13°39 | 8° 0 | 26°39 | 24°53 | 22°17 | 27°36 | 21°31 | 21°37 | 22°17 | 2°26 | 0°20 | M25 |
| T 26 | 14 39 13 | 11°14'09 | 6♋14 | 15°30 | 14°50 | 8°45 | 26°53 | 24°56 | 22°20 | 27°36 | 21°32 | 21°38 | 22°14 | 2°32 | 0°24 | T 26 |
| W27 | 14 43 10 | 12°11'56 | 18°15 | 16°39 | 16° 1 | 9°30 | 27° 7 | 25° 0 | 22°23 | 27°36 | 21°34 | 21°39 | 22°11 | 2°39 | 0°29 | W27 |
| T 28 | 14 47 6 | 13° 9'41 | 0♌28 | 17°50 | 17°13 | 10°16 | 27°21 | 25° 3 | 22°26 | 27°36 | 21°35 | 21°39 | 22° 8 | 2°46 | 0°34 | T 28 |
| F 29 | 14 51 3 | 14° 7'25 | 12°58 | 19° 3 | 18°24 | 11° 1 | 27°35 | 25° 6 | 22°29 | 27°35 | 21°36 | 21°R39 | 22° 5 | 2°52 | 0°39 | F 29 |
| S 30 | 14 54 59 | 15♉ 5'07 | 25♌49 | 20♈20 | 19♊35 | 11♈46 | 27♈49 | 25♒ 9 | 22♊32 | 27♌35 | 21♈38 | 21♉39 | 22♉ 2 | 2♊59 | 0♋44 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n43 | 24n 3 | 4n58 | 3n36 | 0n46 | 16n50 | 0n30 | 5s 9 | 1s 7 | 7n14 | 1s 3 | 15s 5 | 1s17 | 23n28 | 0n11 | 13n 6 | 0n52 | 7s 2 | 16s27 | 18n24 | 18n45 | 20n45 | 17n53 | 5s40 |
| S 2 | 7 5 | 20 38 | 5 11 | 3 7 | 0 29 | 17 14 | 0 32 | 4 51 | 1 7 | 7 19 | 1 3 | 15 3 | 1 17 | 23 28 | 0 11 | 13 6 | 0 52 | 7 2 | 16 27 | 18 24 | 18 44 | 20 47 | 17 53 | 5 40 |
| S 3 | 7 28 | 16 4 | 5 9 | 2 41 | 0 13 | 17 38 | 0 35 | 4 32 | 1 7 | 7 25 | 1 3 | 15 2 | 1 17 | 23 28 | 0 11 | 13 6 | 0 52 | 7 1 | 16 27 | 18 22 | 18 44 | 20 49 | 17 54 | 5 40 |
| M 4 | 7 50 | 10 34 | 4 49 | 2 16 | 0s 4 | 18 1 | 0 38 | 4 14 | 1 6 | 7 30 | 1 3 | 15 0 | 1 17 | 23 28 | 0 11 | 13 6 | 0 52 | 7 1 | 16 27 | 18 21 | 18 43 | 20 52 | 17 54 | 5 39 |
| T 5 | 8 12 | 4 20 | 4 11 | 1 53 | 0 20 | 18 24 | 0 41 | 3 55 | 1 6 | 7 36 | 1 3 | 14 59 | 1 17 | 23 28 | 0 11 | 13 7 | 0 52 | 7 0 | 16 27 | 18 20 | 18 42 | 20 54 | 17 54 | 5 39 |
| W 6 | 8 34 | 2s16 | 3 15 | 1 32 | 0 35 | 18 46 | 0 44 | 3 36 | 1 6 | 7 41 | 1 3 | 14 57 | 1 18 | 23 28 | 0 11 | 13 7 | 0 52 | 6 59 | 16 27 | 18 19 | 18 41 | 20 56 | 17 55 | 5 38 |
| T 7 | 8 56 | 8 53 | 2 6 | 1 14 | 0 50 | 19 8 | 0 47 | 3 18 | 1 6 | 7 46 | 1 3 | 14 56 | 1 18 | 23 28 | 0 11 | 13 7 | 0 52 | 6 59 | 16 27 | 18 18 | 18 40 | 20 58 | 17 55 | 5 38 |
| F 8 | 9 17 | 15 4 | 0 48 | 0 59 | 1 5 | 19 29 | 0 49 | 2 59 | 1 6 | 7 52 | 1 3 | 14 54 | 1 18 | 23 29 | 0 11 | 13 8 | 0 52 | 6 58 | 16 27 | 18 18 | 18 40 | 21 1 | 17 56 | 5 38 |
| S 9 | 9 39 | 20 21 | 0s34 | 0 46 | 1 18 | 19 50 | 0 52 | 2 41 | 1 6 | 7 57 | 1 3 | 14 53 | 1 18 | 23 29 | 0 11 | 13 8 | 0 52 | 6 58 | 16 27 | 18 18 | 18 39 | 21 3 | 17 56 | 5 37 |
| S 10 | 10 0 | 24 18 | 1 53 | 0 36 | 1 31 | 20 10 | 0 55 | 2 22 | 1 5 | 8 3 | 1 3 | 14 52 | 1 18 | 23 29 | 0 11 | 13 8 | 0 52 | 6 57 | 16 27 | 18 18 | 18 38 | 21 5 | 17 56 | 5 37 |
| M11 | 10 21 | 26 35 | 3 3 | 0 28 | 1 43 | 20 30 | 0 58 | 2 4 | 1 5 | 8 8 | 1 3 | 14 50 | 1 19 | 23 29 | 0 11 | 13 8 | 0 52 | 6 57 | 16 27 | 18 18 | 18 37 | 21 7 | 17 57 | 5 37 |
| T 12 | 10 43 | 27 3 | 4 1 | 0 23 | 1 55 | 20 49 | 1 0 | 1 45 | 1 5 | 8 13 | 1 3 | 14 49 | 1 19 | 23 29 | 0 11 | 13 9 | 0 52 | 6 57 | 16 27 | 18 19 | 18 36 | 21 10 | 17 57 | 5 36 |
| W13 | 11 3 | 25 46 | 4 43 | 0 20 | 2 5 | 21 8 | 1 3 | 1 27 | 1 5 | 8 19 | 1 3 | 14 48 | 1 19 | 23 29 | 0 11 | 13 9 | 0 52 | 6 56 | 16 27 | 18 19 | 18 36 | 21 12 | 17 57 | 5 36 |
| T 14 | 11 24 | 23 0 | 5 7 | 0 21 | 2 15 | 21 26 | 1 6 | 1 8 | 1 4 | 8 24 | 1 3 | 14 46 | 1 19 | 23 29 | 0 11 | 13 9 | 0 52 | 6 56 | 16 27 | 18 19 | 18 35 | 21 14 | 17 58 | 5 36 |
| F 15 | 11 45 | 19 5 | 5 15 | 0 23 | 2 24 | 21 43 | 1 8 | 0 49 | 1 4 | 8 29 | 1 3 | 14 45 | 1 19 | 23 30 | 0 11 | 13 9 | 0 52 | 6 55 | 16 27 | 18 19 | 18 34 | 21 16 | 17 58 | 5 35 |
| S 16 | 12 5 | 14 20 | 5 6 | 0 28 | 2 32 | 22 0 | 1 11 | 0 31 | 1 4 | 8 34 | 1 3 | 14 44 | 1 19 | 23 30 | 0 11 | 13 9 | 0 52 | 6 55 | 16 27 | 18 18 | 18 33 | 21 19 | 17 58 | 5 35 |
| S 17 | 12 25 | 9 3 | 4 43 | 0 35 | 2 39 | 22 17 | 1 14 | 0 12 | 1 4 | 8 40 | 1 3 | 14 43 | 1 20 | 23 30 | 0 11 | 13 9 | 0 52 | 6 54 | 16 27 | 18 17 | 18 32 | 21 21 | 17 59 | 5 35 |
| M18 | 12 45 | 3 30 | 4 6 | 0 45 | 2 45 | 22 32 | 1 16 | 0n 6 | 1 3 | 8 45 | 1 3 | 14 41 | 1 20 | 23 30 | 0 11 | 13 10 | 0 52 | 6 54 | 16 27 | 18 17 | 18 32 | 21 23 | 17 59 | 5 34 |
| T 19 | 13 5 | 2n 6 | 3 18 | 0 57 | 2 51 | 22 48 | 1 19 | 0 25 | 1 3 | 8 50 | 1 3 | 14 40 | 1 20 | 23 30 | 0 11 | 13 10 | 0 52 | 6 53 | 16 27 | 18 16 | 18 31 | 21 25 | 17 59 | 5 34 |
| W20 | 13 24 | 7 33 | 2 21 | 1 11 | 2 56 | 23 2 | 1 21 | 0 43 | 1 3 | 8 55 | 1 3 | 14 39 | 1 20 | 23 30 | 0 11 | 13 10 | 0 52 | 6 53 | 16 28 | 18 15 | 18 30 | 21 27 | 18 0 | 5 34 |
| T 21 | 13 43 | 12 41 | 1 19 | 1 27 | 3 0 | 23 16 | 1 24 | 1 2 | 1 2 | 9 1 | 1 3 | 14 38 | 1 20 | 23 31 | 0 11 | 13 10 | 0 52 | 6 53 | 16 28 | 18 15 | 18 29 | 21 30 | 18 0 | 5 33 |
| F 22 | 14 2 | 17 19 | 0 14 | 1 44 | 3 3 | 23 29 | 1 26 | 1 20 | 1 2 | 9 6 | 1 3 | 14 37 | 1 21 | 23 31 | 0 11 | 13 10 | 0 52 | 6 52 | 16 28 | 18 15 | 18 28 | 21 32 | 18 0 | 5 33 |
| S 23 | 14 21 | 21 14 | 0n51 | 2 4 | 3 6 | 23 42 | 1 28 | 1 38 | 1 2 | 9 11 | 1 3 | 14 36 | 1 21 | 23 31 | 0 11 | 13 10 | 0 52 | 6 52 | 16 28 | 18 15 | 18 28 | 21 34 | 18 1 | 5 33 |
| S 24 | 14 40 | 24 18 | 1 54 | 2 26 | 3 7 | 23 54 | 1 31 | 1 57 | 1 2 | 9 16 | 1 3 | 14 35 | 1 21 | 23 31 | 0 11 | 13 10 | 0 52 | 6 51 | 16 28 | 18 15 | 18 27 | 21 36 | 18 1 | 5 32 |
| M25 | 14 58 | 26 18 | 2 52 | 2 49 | 3 9 | 24 5 | 1 33 | 2 15 | 1 1 | 9 21 | 1 3 | 14 34 | 1 21 | 23 31 | 0 11 | 13 10 | 0 52 | 6 51 | 16 28 | 18 15 | 18 26 | 21 38 | 18 1 | 5 32 |
| T 26 | 15 16 | 27 7 | 3 43 | 3 14 | 3 9 | 24 16 | 1 35 | 2 33 | 1 1 | 9 26 | 1 3 | 14 33 | 1 21 | 23 31 | 0 11 | 13 10 | 0 52 | 6 51 | 16 28 | 18 16 | 18 25 | 21 40 | 18 2 | 5 32 |
| W27 | 15 34 | 26 41 | 4 25 | 3 40 | 3 9 | 24 26 | 1 37 | 2 52 | 1 1 | 9 31 | 1 3 | 14 32 | 1 22 | 23 32 | 0 11 | 13 10 | 0 52 | 6 50 | 16 28 | 18 16 | 18 24 | 21 43 | 18 2 | 5 31 |
| T 28 | 15 52 | 24 58 | 4 56 | 4 8 | 3 8 | 24 35 | 1 40 | 3 10 | 1 0 | 9 36 | 1 3 | 14 31 | 1 22 | 23 32 | 0 11 | 13 11 | 0 52 | 6 50 | 16 28 | 18 16 | 18 23 | 21 45 | 18 2 | 5 31 |
| F 29 | 16 9 | 22 1 | 5 14 | 4 38 | 3 6 | 24 44 | 1 42 | 3 28 | 1 0 | 9 41 | 1 3 | 14 30 | 1 22 | 23 32 | 0 11 | 13 11 | 0 52 | 6 49 | 16 28 | 18 16 | 18 23 | 21 47 | 18 2 | 5 31 |
| S 30 | 16n26 | 17n56 | 5n17 | 5n 9 | 3s 4 | 24n52 | 1n44 | 3n46 | 0s59 | 9n46 | 1s 3 | 14s29 | 1s22 | 23n32 | 0n11 | 13n11 | 0n52 | 6s49 | 16s28 | 18n16 | 18n22 | 21n49 | 18n 3 | 5s31 |

Julian Day Number = 2126575.5, Delta T = 17m10s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'10, Lahiri = 11°27'11 Julian Calendar 1 Apr. 1110 == Greg. Calendar 8 Apr. 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## MAY 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 58 56 | 16♉ 2'47 | 9♍ 4 | 21♈39 | 20♊46 | 12♈31 | 28♈ 3 | 25♒12 | 22♊35 | 27°R35 | 21♈39 | 21°R39 | 21♉58 | 3♊ 6 | 0♋48 | S 1 |
| M 2 | 15 2 52 | 17° 0'26 | 22°46 | 23° 0 | 21°57 | 13°16 | 28°17 | 25°15 | 22°38 | 27♌35 | 21°40 | 21♉38 | 21°55 | 3°12 | 0°53 | M 2 |
| T 3 | 15 6 49 | 17°58'03 | 6♎54 | 24°24 | 23° 7 | 14° 1 | 28°31 | 25°18 | 22°41 | 27°D35 | 21°41 | 21°38 | 21°52 | 3°19 | 0°58 | T 3 |
| W 4 | 15 10 45 | 18°55'39 | 21°28 | 25°50 | 24°18 | 14°46 | 28°45 | 25°20 | 22°44 | 27°35 | 21°43 | 21°38 | 21°49 | 3°26 | 1° 4 | W 4 |
| T 5 | 15 14 42 | 19°53'13 | 6♏21 | 27°19 | 25°29 | 15°31 | 28°59 | 25°23 | 22°47 | 27°35 | 21°44 | 21°37 | 21°46 | 3°32 | 1° 9 | T 5 |
| F 6 | 15 18 39 | 20°50'46 | 21°28 | 28°50 | 26°39 | 16°16 | 29°13 | 25°25 | 22°50 | 27°35 | 21°45 | 21°D37 | 21°42 | 3°39 | 1°14 | F 6 |
| S 7 | 15 22 35 | 21°48'18 | 6♐38 | 0♑24 | 27°50 | 17° 1 | 29°26 | 25°28 | 22°54 | 27°36 | 21°46 | 21°R37 | 21°39 | 3°46 | 1°19 | S 7 |
| S 8 | 15 26 32 | 22°45'49 | 21°44 | 2° 0 | 29° 0 | 17°46 | 29°40 | 25°30 | 22°57 | 27°36 | 21°48 | 21°37 | 21°36 | 3°52 | 1°24 | S 8 |
| M 9 | 15 30 28 | 23°43'19 | 6♑36 | 3°38 | 0♋11 | 18°30 | 29°54 | 25°32 | 23° 0 | 27°36 | 21°49 | 21°37 | 21°33 | 3°59 | 1°30 | M 9 |
| T 10 | 15 34 25 | 24°40'48 | 21° 7 | 5°19 | 1°21 | 19°15 | 0♑ 7 | 25°34 | 23° 3 | 27°36 | 21°50 | 21°37 | 21°30 | 4° 6 | 1°35 | T 10 |
| W11 | 15 38 21 | 25°38'16 | 5♒15 | 7° 2 | 2°31 | 20° 0 | 0°21 | 25°37 | 23° 7 | 27°36 | 21°51 | 21°37 | 21°27 | 4°12 | 1°40 | W11 |
| T 12 | 15 42 18 | 26°35'43 | 18°57 | 8°48 | 3°41 | 20°44 | 0°35 | 25°38 | 23°10 | 27°37 | 21°52 | 21°36 | 21°23 | 4°19 | 1°46 | T 12 |
| F 13 | 15 46 15 | 27°33'10 | 2♓14 | 10°36 | 4°51 | 21°29 | 0°48 | 25°40 | 23°13 | 27°37 | 21°54 | 21°D36 | 21°20 | 4°25 | 1°51 | F 13 |
| S 14 | 15 50 11 | 28°30'35 | 15° 8 | 12°26 | 6° 1 | 22°13 | 1° 2 | 25°42 | 23°17 | 27°37 | 21°55 | 21°37 | 21°17 | 4°32 | 1°57 | S 14 |
| S 15 | 15 54 8 | 29°28'00 | 27°43 | 14°18 | 7°11 | 22°57 | 1°15 | 25°44 | 23°20 | 27°38 | 21°56 | 21°37 | 21°14 | 4°39 | 2° 2 | S 15 |
| M16 | 15 58 4 | 0♊25'25 | 10♈ 3 | 16°13 | 8°21 | 23°42 | 1°28 | 25°45 | 23°23 | 27°38 | 21°57 | 21°38 | 21°11 | 4°45 | 2° 8 | M16 |
| T 17 | 16 2 1 | 1°22'48 | 22° 9 | 18°10 | 9°30 | 24°26 | 1°42 | 25°47 | 23°27 | 27°39 | 21°58 | 21°39 | 21° 8 | 4°52 | 2°14 | T 17 |
| W18 | 16 5 57 | 2°20'11 | 4♉ 7 | 20° 9 | 10°40 | 25°10 | 1°55 | 25°48 | 23°30 | 27°39 | 21°59 | 21°40 | 21° 4 | 4°59 | 2°19 | W18 |
| T 19 | 16 9 54 | 3°17'33 | 15°58 | 22°10 | 11°49 | 25°54 | 2° 8 | 25°49 | 23°34 | 27°40 | 22° 0 | 21°R40 | 21° 1 | 5° 5 | 2°25 | T 19 |
| F 20 | 16 13 50 | 4°14'55 | 27°47 | 24°13 | 12°59 | 26°39 | 2°21 | 25°51 | 23°37 | 27°40 | 22° 1 | 21°40 | 20°58 | 5°12 | 2°31 | F 20 |
| S 21 | 16 17 47 | 5°12'16 | 9♊34 | 26°18 | 14° 8 | 27°23 | 2°35 | 25°52 | 23°40 | 27°41 | 22° 2 | 21°40 | 20°55 | 5°19 | 2°36 | S 21 |
| S 22 | 16 21 44 | 6° 9'36 | 21°22 | 28°24 | 15°17 | 28° 7 | 2°48 | 25°53 | 23°44 | 27°41 | 22° 3 | 21°38 | 20°52 | 5°25 | 2°42 | S 22 |
| M23 | 16 25 40 | 7° 6'55 | 3♋14 | 0♊32 | 16°26 | 28°50 | 3° 1 | 25°53 | 23°47 | 27°42 | 22° 4 | 21°36 | 20°48 | 5°32 | 2°48 | M23 |
| T 24 | 16 29 37 | 8° 4'13 | 15°12 | 2°42 | 17°35 | 29°34 | 3°14 | 25°54 | 23°51 | 27°43 | 22° 6 | 21°34 | 20°45 | 5°39 | 2°54 | T 24 |
| W25 | 16 33 33 | 9° 1'31 | 27°18 | 4°52 | 18°44 | 0♑18 | 3°27 | 25°55 | 23°54 | 27°43 | 22° 7 | 21°31 | 20°42 | 5°45 | 3° 0 | W25 |
| T 26 | 16 37 30 | 9°58'47 | 9♌35 | 7° 3 | 19°52 | 1° 2 | 3°39 | 25°55 | 23°58 | 27°44 | 22° 8 | 21°29 | 20°39 | 5°52 | 3° 6 | T 26 |
| F 27 | 16 41 26 | 10°56'03 | 22° 7 | 9°14 | 21° 1 | 1°46 | 3°52 | 25°56 | 24° 1 | 27°45 | 22° 9 | 21°27 | 20°36 | 5°59 | 3°12 | F 27 |
| S 28 | 16 45 23 | 11°53'18 | 4♍57 | 11°26 | 22°10 | 2°29 | 4° 5 | 25°56 | 24° 5 | 27°46 | 22° 9 | 21°26 | 20°33 | 6° 5 | 3°18 | S 28 |
| S 29 | 16 49 19 | 12°50'32 | 18° 7 | 13°38 | 23°18 | 3°13 | 4°18 | 25°57 | 24° 9 | 27°46 | 22°10 | 21°D26 | 20°29 | 6°12 | 3°24 | S 29 |
| M30 | 16 53 16 | 13°47'46 | 1♎40 | 15°49 | 24°26 | 3°56 | 4°30 | 25°57 | 24°12 | 27°47 | 22°11 | 21°27 | 20°26 | 6°19 | 3°30 | M30 |
| T 31 | 16 57 13 | 14♊44'58 | 15♎38 | 18♊ 0 | 25♋34 | 4♑40 | 4♑43 | 25°R57 | 24♊16 | 27♌48 | 22♈12 | 21♉28 | 20♉23 | 6♊25 | 3♋36 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 16n43 | 12n53 | 5n 3 | 5n41 | 3s 1 | 24n59 | 1n45 | 4n 4 | 0s59 | 9n51 | 1s 3 | 14s29 | 1s22 | 23n32 | 0n11 | 13n11 | 0n52 | 6s49 | 16s29 | 18n16 | 18n21 | 21n51 | 18n 3 | 5s30 | S 1 |
| M 2 | 17 0 | 7 3 | 4 32 | 6 14 | 2 57 | 25 6 | 1 47 | 4 22 | 0 59 | 9 56 | 1 3 | 14 28 | 1 23 | 23 32 | 0 11 | 13 11 | 0 52 | 6 48 | 16 29 | 18 16 | 18 20 | 21 53 | 18 3 | 5 30 | M 2 |
| T 3 | 17 16 | 0 40 | 3 44 | 6 49 | 2 53 | 25 12 | 1 49 | 4 40 | 0 58 | 10 1 | 1 3 | 14 27 | 1 23 | 23 33 | 0 11 | 13 11 | 0 52 | 6 48 | 16 29 | 18 16 | 18 19 | 21 56 | 18 3 | 5 30 | T 3 |
| W 4 | 17 32 | 5s56 | 2 40 | 7 25 | 2 49 | 25 17 | 1 51 | 4 57 | 0 58 | 10 6 | 1 3 | 14 26 | 1 23 | 23 33 | 0 11 | 13 11 | 0 52 | 6 48 | 16 29 | 18 16 | 18 18 | 21 58 | 18 3 | 5 30 | W 4 |
| T 5 | 17 48 | 12 23 | 1 24 | 8 2 | 2 43 | 25 21 | 1 53 | 5 15 | 0 58 | 10 11 | 1 3 | 14 26 | 1 23 | 23 33 | 0 11 | 13 11 | 0 52 | 6 47 | 16 29 | 18 16 | 18 18 | 22 0 | 18 4 | 5 29 | T 5 |
| F 6 | 18 3 | 18 12 | 0 1 | 8 40 | 2 38 | 25 25 | 1 54 | 5 33 | 0 57 | 10 16 | 1 3 | 14 25 | 1 23 | 23 33 | 0 11 | 13 10 | 0 52 | 6 47 | 16 29 | 18 16 | 18 17 | 22 2 | 18 4 | 5 29 | F 6 |
| S 7 | 18 18 | 22 53 | 1s23 | 9 18 | 2 31 | 25 28 | 1 56 | 5 51 | 0 57 | 10 21 | 1 3 | 14 24 | 1 24 | 23 33 | 0 11 | 13 10 | 0 52 | 6 47 | 16 29 | 18 16 | 18 16 | 22 4 | 18 4 | 5 29 | S 7 |
| S 8 | 18 33 | 25 57 | 2 40 | 9 58 | 2 24 | 25 30 | 1 57 | 6 8 | 0 56 | 10 26 | 1 3 | 14 24 | 1 24 | 23 34 | 0 11 | 13 10 | 0 52 | 6 46 | 16 30 | 18 16 | 18 15 | 22 6 | 18 4 | 5 29 | S 8 |
| M 9 | 18 48 | 27 8 | 3 45 | 10 39 | 2 17 | 25 32 | 1 59 | 6 26 | 0 56 | 10 31 | 1 3 | 14 23 | 1 24 | 23 34 | 0 11 | 13 10 | 0 51 | 6 46 | 16 30 | 18 15 | 18 14 | 22 8 | 18 4 | 5 29 | M 9 |
| T 10 | 19 2 | 26 24 | 4 34 | 11 20 | 2 9 | 25 33 | 2 0 | 6 43 | 0 55 | 10 35 | 1 3 | 14 23 | 1 24 | 23 34 | 0 11 | 13 10 | 0 51 | 6 46 | 16 30 | 18 15 | 18 14 | 22 10 | 18 5 | 5 28 | T 10 |
| W11 | 19 16 | 23 58 | 5 5 | 12 1 | 2 1 | 25 33 | 2 1 | 7 0 | 0 55 | 10 40 | 1 3 | 14 22 | 1 24 | 23 34 | 0 12 | 13 10 | 0 51 | 6 46 | 16 30 | 18 15 | 18 13 | 22 12 | 18 5 | 5 28 | W11 |
| T 12 | 19 29 | 20 14 | 5 17 | 12 44 | 1 52 | 25 33 | 2 2 | 7 17 | 0 55 | 10 45 | 1 3 | 14 22 | 1 25 | 23 34 | 0 12 | 13 10 | 0 51 | 6 45 | 16 30 | 18 15 | 18 12 | 22 15 | 18 5 | 5 28 | T 12 |
| F 13 | 19 43 | 15 35 | 5 12 | 13 26 | 1 43 | 25 31 | 2 3 | 7 35 | 0 54 | 10 50 | 1 3 | 14 21 | 1 25 | 23 34 | 0 12 | 13 10 | 0 51 | 6 45 | 16 30 | 18 15 | 18 11 | 22 17 | 18 5 | 5 28 | F 13 |
| S 14 | 19 55 | 10 21 | 4 51 | 14 9 | 1 34 | 25 29 | 2 4 | 7 52 | 0 54 | 10 54 | 1 3 | 14 21 | 1 25 | 23 35 | 0 12 | 13 10 | 0 51 | 6 45 | 16 31 | 18 15 | 18 10 | 22 19 | 18 5 | 5 28 | S 14 |
| S 15 | 20 8 | 4 50 | 4 17 | 14 52 | 1 24 | 25 27 | 2 5 | 8 9 | 0 53 | 10 59 | 1 3 | 14 21 | 1 25 | 23 35 | 0 12 | 13 10 | 0 51 | 6 45 | 16 31 | 18 15 | 18 9 | 22 21 | 18 5 | 5 27 | S 15 |
| M16 | 20 20 | 0n46 | 3 31 | 15 36 | 1 14 | 25 23 | 2 6 | 8 26 | 0 53 | 11 4 | 1 3 | 14 20 | 1 26 | 23 35 | 0 12 | 13 9 | 0 51 | 6 44 | 16 31 | 18 16 | 18 8 | 22 23 | 18 5 | 5 27 | M16 |
| T 17 | 20 32 | 6 15 | 2 37 | 16 19 | 1 3 | 25 19 | 2 7 | 8 42 | 0 52 | 11 8 | 1 3 | 14 20 | 1 26 | 23 35 | 0 12 | 13 9 | 0 51 | 6 44 | 16 31 | 18 16 | 18 8 | 22 25 | 18 5 | 5 27 | T 17 |
| W18 | 20 44 | 11 27 | 1 36 | 17 1 | 0 53 | 25 15 | 2 8 | 8 59 | 0 52 | 11 13 | 1 3 | 14 20 | 1 26 | 23 35 | 0 12 | 13 9 | 0 51 | 6 44 | 16 31 | 18 16 | 18 7 | 22 27 | 18 5 | 5 27 | W18 |
| T 19 | 20 55 | 16 12 | 0 32 | 17 43 | 0 42 | 25 9 | 2 8 | 9 16 | 0 51 | 11 17 | 1 3 | 14 19 | 1 26 | 23 35 | 0 12 | 13 9 | 0 51 | 6 44 | 16 32 | 18 16 | 18 6 | 22 29 | 18 5 | 5 27 | T 19 |
| F 20 | 21 6 | 20 19 | 0n34 | 18 25 | 0 31 | 25 3 | 2 9 | 9 32 | 0 51 | 11 22 | 1 3 | 14 19 | 1 26 | 23 36 | 0 12 | 13 9 | 0 51 | 6 44 | 16 32 | 18 16 | 18 5 | 22 31 | 18 5 | 5 27 | F 20 |
| S 21 | 21 16 | 23 36 | 1 38 | 19 6 | 0 20 | 24 56 | 2 9 | 9 48 | 0 50 | 11 26 | 1 3 | 14 19 | 1 27 | 23 36 | 0 12 | 13 8 | 0 51 | 6 43 | 16 32 | 18 16 | 18 4 | 22 33 | 18 6 | 5 26 | S 21 |
| S 22 | 21 26 | 25 53 | 2 37 | 19 45 | 0 9 | 24 49 | 2 9 | 10 5 | 0 50 | 11 31 | 1 3 | 14 19 | 1 27 | 23 36 | 0 12 | 13 8 | 0 51 | 6 43 | 16 32 | 18 16 | 18 3 | 22 35 | 18 6 | 5 26 | S 22 |
| M23 | 21 36 | 27 1 | 3 30 | 20 23 | 0n 2 | 24 41 | 2 10 | 10 21 | 0 49 | 11 35 | 1 3 | 14 19 | 1 27 | 23 36 | 0 12 | 13 8 | 0 51 | 6 43 | 16 32 | 18 15 | 18 3 | 22 37 | 18 6 | 5 26 | M23 |
| T 24 | 21 46 | 26 54 | 4 14 | 21 0 | 0 12 | 24 32 | 2 10 | 10 37 | 0 49 | 11 39 | 1 3 | 14 19 | 1 27 | 23 36 | 0 12 | 13 8 | 0 51 | 6 43 | 16 33 | 18 15 | 18 2 | 22 39 | 18 6 | 5 26 | T 24 |
| W25 | 21 55 | 25 30 | 4 48 | 21 35 | 0 23 | 24 23 | 2 10 | 10 53 | 0 48 | 11 44 | 1 3 | 14 19 | 1 28 | 23 36 | 0 12 | 13 7 | 0 51 | 6 43 | 16 33 | 18 14 | 18 1 | 22 41 | 18 6 | 5 26 | W25 |
| T 26 | 22 3 | 22 53 | 5 9 | 22 8 | 0 33 | 24 13 | 2 10 | 11 9 | 0 48 | 11 48 | 1 3 | 14 19 | 1 28 | 23 37 | 0 12 | 13 7 | 0 51 | 6 43 | 16 33 | 18 13 | 18 0 | 22 43 | 18 6 | 5 26 | T 26 |
| F 27 | 22 12 | 19 10 | 5 15 | 22 39 | 0 43 | 24 2 | 2 9 | 11 24 | 0 47 | 11 52 | 1 3 | 14 19 | 1 28 | 23 37 | 0 12 | 13 7 | 0 51 | 6 42 | 16 33 | 18 13 | 17 59 | 22 45 | 18 6 | 5 26 | F 27 |
| S 28 | 22 19 | 14 30 | 5 7 | 23 7 | 0 52 | 23 51 | 2 9 | 11 40 | 0 47 | 11 57 | 1 4 | 14 19 | 1 28 | 23 37 | 0 12 | 13 7 | 0 51 | 6 42 | 16 34 | 18 13 | 17 58 | 22 47 | 18 5 | 5 26 | S 28 |
| S 29 | 22 27 | 9 3 | 4 42 | 23 33 | 1 1 | 23 39 | 2 9 | 11 55 | 0 46 | 12 1 | 1 4 | 14 19 | 1 28 | 23 37 | 0 12 | 13 6 | 0 51 | 6 42 | 16 34 | 18 13 | 17 58 | 22 49 | 18 5 | 5 25 | S 29 |
| M30 | 22 34 | 3 1 | 4 1 | 23 57 | 1 9 | 23 26 | 2 8 | 12 11 | 0 46 | 12 5 | 1 4 | 14 19 | 1 29 | 23 37 | 0 12 | 13 6 | 0 51 | 6 42 | 16 34 | 18 13 | 17 57 | 22 51 | 18 5 | 5 25 | M30 |
| T 31 | 22n41 | 3s20 | 3n 5 | 24n17 | 1n17 | 23n13 | 2n 8 | 12n26 | 0s45 | 12n 9 | 1s 4 | 14s19 | 1s29 | 23n37 | 0n12 | 13n 6 | 0n51 | 6s42 | 16s34 | 18n13 | 17n56 | 22n53 | 18n 5 | 5s25 | T 31 |

Julian Day Number = 2126605.5, Delta T = 17m10s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'14, Lahiri = 11°27'15 Julian Calendar 1 May 1110 == Greg. Calendar 8 May 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## JUNE 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 1 9 | 15♊42'10 | 0♏ 0 | 20♊10 | 26♋42 | 5♉23 | 4♉55 | 25°R57 | 24♊19 | 27♌49 | 22♈13 | 21♉30 | 20♉20 | 6♊32 | 3♋42 | W 1 |
| T 2 | 17 5 6 | 16°39'21 | 14°45 | 22°19 | 27°50 | 6° 6 | 5° 8 | 25♒57 | 24°23 | 27°50 | 22°14 | 21°R30 | 20°17 | 6°38 | 3°48 | T 2 |
| F 3 | 17 9 2 | 17°36'32 | 29°47 | 24°27 | 28°58 | 6°49 | 5°20 | 25°57 | 24°26 | 27°51 | 22°15 | 21°30 | 20°14 | 6°45 | 3°54 | F 3 |
| S 4 | 17 12 59 | 18°33'42 | 14♐57 | 26°33 | 0♌ 5 | 7°33 | 5°32 | 25°56 | 24°30 | 27°52 | 22°16 | 21°29 | 20°10 | 6°52 | 4° 0 | S 4 |
| S 5 | 17 16 55 | 19°30'52 | 0♑ 8 | 28°38 | 1°13 | 8°16 | 5°44 | 25°56 | 24°34 | 27°53 | 22°17 | 21°26 | 20° 7 | 6°58 | 4° 6 | S 5 |
| M 6 | 17 20 52 | 20°28'02 | 15° 9 | 0♋41 | 2°20 | 8°59 | 5°56 | 25°55 | 24°37 | 27°54 | 22°17 | 21°23 | 20° 4 | 7° 5 | 4°12 | M 6 |
| T 7 | 17 24 48 | 21°25'12 | 29°52 | 2°42 | 3°27 | 9°42 | 6° 8 | 25°55 | 24°41 | 27°55 | 22°18 | 21°19 | 20° 1 | 7°12 | 4°19 | T 7 |
| W 8 | 17 28 45 | 22°22'21 | 14♒10 | 4°41 | 4°34 | 10°25 | 6°20 | 25°54 | 24°44 | 27°56 | 22°19 | 21°15 | 19°58 | 7°18 | 4°25 | W 8 |
| T 9 | 17 32 42 | 23°19'31 | 28° 1 | 6°39 | 5°41 | 11° 7 | 6°32 | 25°53 | 24°48 | 27°57 | 22°20 | 21°11 | 19°54 | 7°25 | 4°31 | T 9 |
| F 10 | 17 36 38 | 24°16'41 | 11♓23 | 8°34 | 6°48 | 11°50 | 6°44 | 25°52 | 24°52 | 27°59 | 22°21 | 21° 9 | 19°51 | 7°32 | 4°37 | F 10 |
| S 11 | 17 40 35 | 25°13'50 | 24°19 | 10°28 | 7°54 | 12°33 | 6°56 | 25°51 | 24°55 | 28° 0 | 22°21 | 21°D 9 | 19°48 | 7°38 | 4°43 | S 11 |
| S 12 | 17 44 31 | 26°11'00 | 6♈52 | 12°19 | 9° 1 | 13°15 | 7° 7 | 25°50 | 24°59 | 28° 1 | 22°22 | 21° 9 | 19°45 | 7°45 | 4°50 | S 12 |
| M13 | 17 48 28 | 27° 8'10 | 19° 7 | 14° 8 | 10° 7 | 13°58 | 7°19 | 25°49 | 25° 2 | 28° 2 | 22°23 | 21°10 | 19°42 | 7°52 | 4°56 | M13 |
| T 14 | 17 52 24 | 28° 5'21 | 1♉ 9 | 15°56 | 11°13 | 14°41 | 7°30 | 25°48 | 25° 6 | 28° 4 | 22°23 | 21°12 | 19°39 | 7°58 | 5° 2 | T 14 |
| W15 | 17 56 21 | 29° 2'31 | 13° 1 | 17°41 | 12°19 | 15°23 | 7°42 | 25°46 | 25°10 | 28° 5 | 22°24 | 21°13 | 19°35 | 8° 5 | 5° 9 | W15 |
| T 16 | 18 0 17 | 29°59'42 | 24°49 | 19°24 | 13°25 | 16° 5 | 7°53 | 25°45 | 25°13 | 28° 6 | 22°25 | 21°R13 | 19°32 | 8°12 | 5°15 | T 16 |
| F 17 | 18 4 14 | 0♋56'54 | 6♊35 | 21° 5 | 14°30 | 16°48 | 8° 4 | 25°43 | 25°17 | 28° 8 | 22°25 | 21°12 | 19°29 | 8°18 | 5°21 | F 17 |
| S 18 | 18 8 11 | 1°54'05 | 18°24 | 22°44 | 15°35 | 17°30 | 8°15 | 25°42 | 25°20 | 28° 9 | 22°26 | 21° 9 | 19°26 | 8°25 | 5°27 | S 18 |
| S 19 | 18 12 7 | 2°51'17 | 0♋17 | 24°21 | 16°41 | 18°12 | 8°26 | 25°40 | 25°24 | 28°10 | 22°27 | 21° 4 | 19°23 | 8°32 | 5°34 | S 19 |
| M20 | 18 16 4 | 3°48'29 | 12°16 | 25°56 | 17°46 | 18°54 | 8°37 | 25°38 | 25°28 | 28°12 | 22°27 | 20°57 | 19°20 | 8°38 | 5°40 | M20 |
| T 21 | 18 20 0 | 4°45'41 | 24°24 | 27°28 | 18°50 | 19°36 | 8°48 | 25°36 | 25°31 | 28°13 | 22°28 | 20°50 | 19°16 | 8°45 | 5°46 | T 21 |
| W22 | 18 23 57 | 5°42'53 | 6♌42 | 28°59 | 19°55 | 20°18 | 8°59 | 25°34 | 25°35 | 28°15 | 22°28 | 20°42 | 19°13 | 8°52 | 5°53 | W22 |
| T 23 | 18 27 53 | 6°40'05 | 19°10 | 0♌27 | 20°59 | 21° 0 | 9° 9 | 25°32 | 25°38 | 28°16 | 22°29 | 20°34 | 19°10 | 8°58 | 5°59 | T 23 |
| F 24 | 18 31 50 | 7°37'17 | 1♍50 | 1°54 | 22° 3 | 21°42 | 9°20 | 25°30 | 25°42 | 28°18 | 22°29 | 20°28 | 19° 7 | 9° 5 | 6° 5 | F 24 |
| S 25 | 18 35 47 | 8°34'30 | 14°45 | 3°18 | 23° 7 | 22°23 | 9°30 | 25°27 | 25°46 | 28°19 | 22°30 | 20°23 | 19° 4 | 9°12 | 6°12 | S 25 |
| S 26 | 18 39 43 | 9°31'42 | 27°56 | 4°40 | 24°11 | 23° 5 | 9°41 | 25°25 | 25°49 | 28°21 | 22°30 | 20°21 | 19° 0 | 9°18 | 6°18 | S 26 |
| M27 | 18 43 40 | 10°28'55 | 11♎24 | 5°59 | 25°14 | 23°47 | 9°51 | 25°23 | 25°53 | 28°23 | 22°30 | 20°D20 | 18°57 | 9°25 | 6°24 | M27 |
| T 28 | 18 47 36 | 11°26'08 | 25°13 | 7°17 | 26°17 | 24°28 | 10° 1 | 25°20 | 25°56 | 28°24 | 22°31 | 20°21 | 18°54 | 9°31 | 6°31 | T 28 |
| W29 | 18 51 33 | 12°23'21 | 9♏22 | 8°31 | 27°20 | 25°10 | 10°11 | 25°17 | 26° 0 | 28°26 | 22°31 | 20°22 | 18°51 | 9°38 | 6°37 | W29 |
| T 30 | 18 55 29 | 13♋20'34 | 23♏50 | 9♌44 | 28♌23 | 25♉51 | 10♉21 | 25♒15 | 26♊ 3 | 28♌28 | 22♈32 | 20°R22 | 18♉48 | 9♊45 | 6♋43 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22n47 | 9s43 | 1n56 | 24n35 | 1n24 | 22n59 | 2n 7 | 12n41 | 0s44 | 12n13 | 1s 4 | 14s20 | 1s29 | 23n38 | 0n12 | 13n 5 | 0n51 | 6s42 | 16s35 | 18n13 | 17n55 | 22n55 | 18n 5 | 5s25 | W 1 |
| T 2 | 22 53 | 15 45 | 0 37 | 24 50 | 1 31 | 22 45 | 2 6 | 12 56 | 0 44 | 12 17 | 1 4 | 14 20 | 1 29 | 23 38 | 0 12 | 13 5 | 0 51 | 6 42 | 16 35 | 18 14 | 17 54 | 22 57 | 18 5 | 5 25 | T 2 |
| F 3 | 22 59 | 20 56 | 0s45 | 25 3 | 1 36 | 22 30 | 2 5 | 13 11 | 0 43 | 12 22 | 1 4 | 14 20 | 1 29 | 23 38 | 0 12 | 13 5 | 0 51 | 6 42 | 16 35 | 18 14 | 17 53 | 22 59 | 18 5 | 5 25 | F 3 |
| S 4 | 23 4 | 24 47 | 2 5 | 25 12 | 1 41 | 22 15 | 2 4 | 13 25 | 0 43 | 12 26 | 1 4 | 14 20 | 1 30 | 23 38 | 0 12 | 13 4 | 0 51 | 6 42 | 16 35 | 18 13 | 17 52 | 23 1 | 18 5 | 5 25 | S 4 |
| S 5 | 23 8 | 26 50 | 3 16 | 25 19 | 1 46 | 21 59 | 2 3 | 13 40 | 0 42 | 12 30 | 1 4 | 14 21 | 1 30 | 23 38 | 0 12 | 13 4 | 0 51 | 6 42 | 16 36 | 18 13 | 17 52 | 23 3 | 18 5 | 5 25 | S 5 |
| M 6 | 23 13 | 26 53 | 4 13 | 25 23 | 1 49 | 21 42 | 2 2 | 13 54 | 0 42 | 12 33 | 1 4 | 14 21 | 1 30 | 23 38 | 0 12 | 13 3 | 0 51 | 6 42 | 16 36 | 18 12 | 17 51 | 23 5 | 18 5 | 5 25 | M 6 |
| T 7 | 23 17 | 25 1 | 4 52 | 25 24 | 1 52 | 21 25 | 2 0 | 14 8 | 0 41 | 12 37 | 1 4 | 14 22 | 1 30 | 23 39 | 0 12 | 13 3 | 0 51 | 6 42 | 16 36 | 18 11 | 17 50 | 23 7 | 18 4 | 5 25 | T 7 |
| W 8 | 23 20 | 21 36 | 5 11 | 25 23 | 1 54 | 21 8 | 1 59 | 14 23 | 0 40 | 12 41 | 1 4 | 14 22 | 1 31 | 23 39 | 0 12 | 13 3 | 0 51 | 6 42 | 16 36 | 18 10 | 17 49 | 23 9 | 18 4 | 5 25 | W 8 |
| T 9 | 23 23 | 17 4 | 5 11 | 25 19 | 1 56 | 20 50 | 1 57 | 14 37 | 0 40 | 12 45 | 1 4 | 14 22 | 1 31 | 23 39 | 0 12 | 13 2 | 0 51 | 6 42 | 16 37 | 18 9 | 17 48 | 23 11 | 18 4 | 5 25 | T 9 |
| F 10 | 23 26 | 11 51 | 4 54 | 25 13 | 1 56 | 20 31 | 1 55 | 14 50 | 0 39 | 12 49 | 1 4 | 14 23 | 1 31 | 23 39 | 0 12 | 13 2 | 0 51 | 6 42 | 16 37 | 18 8 | 17 47 | 23 13 | 18 4 | 5 25 | F 10 |
| S 11 | 23 28 | 6 16 | 4 22 | 25 5 | 1 56 | 20 12 | 1 53 | 15 4 | 0 39 | 12 53 | 1 5 | 14 24 | 1 31 | 23 39 | 0 12 | 13 1 | 0 51 | 6 42 | 16 37 | 18 8 | 17 46 | 23 15 | 18 4 | 5 25 | S 11 |
| S 12 | 23 30 | 0 36 | 3 39 | 24 54 | 1 56 | 19 53 | 1 51 | 15 18 | 0 38 | 12 56 | 1 5 | 14 24 | 1 31 | 23 39 | 0 12 | 13 1 | 0 51 | 6 42 | 16 38 | 18 8 | 17 46 | 23 17 | 18 4 | 5 25 | S 12 |
| M13 | 23 31 | 4n57 | 2 46 | 24 42 | 1 54 | 19 33 | 1 49 | 15 31 | 0 37 | 13 0 | 1 5 | 14 25 | 1 32 | 23 39 | 0 12 | 13 1 | 0 51 | 6 42 | 16 38 | 18 8 | 17 45 | 23 19 | 18 3 | 5 25 | M13 |
| T 14 | 23 33 | 10 15 | 1 47 | 24 28 | 1 52 | 19 13 | 1 47 | 15 44 | 0 37 | 13 4 | 1 5 | 14 25 | 1 32 | 23 40 | 0 12 | 13 0 | 0 51 | 6 42 | 16 38 | 18 9 | 17 44 | 23 21 | 18 3 | 5 25 | T 14 |
| W15 | 23 33 | 15 7 | 0 45 | 24 12 | 1 50 | 18 52 | 1 45 | 15 57 | 0 36 | 13 7 | 1 5 | 14 26 | 1 32 | 23 40 | 0 12 | 13 0 | 0 51 | 6 42 | 16 38 | 18 9 | 17 43 | 23 23 | 18 3 | 5 25 | W15 |
| T 16 | 23 33 | 19 23 | 0n20 | 23 54 | 1 47 | 18 31 | 1 42 | 16 10 | 0 35 | 13 11 | 1 5 | 14 27 | 1 32 | 23 40 | 0 12 | 12 59 | 0 51 | 6 42 | 16 39 | 18 9 | 17 42 | 23 25 | 18 3 | 5 25 | T 16 |
| F 17 | 23 33 | 22 52 | 1 23 | 23 35 | 1 43 | 18 9 | 1 40 | 16 23 | 0 35 | 13 14 | 1 5 | 14 27 | 1 32 | 23 40 | 0 12 | 12 59 | 0 51 | 6 42 | 16 39 | 18 9 | 17 41 | 23 26 | 18 2 | 5 25 | F 17 |
| S 18 | 23 33 | 25 24 | 2 22 | 23 15 | 1 38 | 17 47 | 1 37 | 16 36 | 0 34 | 13 18 | 1 5 | 14 28 | 1 33 | 23 40 | 0 12 | 12 58 | 0 51 | 6 42 | 16 39 | 18 8 | 17 40 | 23 28 | 18 2 | 5 25 | S 18 |
| S 19 | 23 32 | 26 49 | 3 16 | 22 53 | 1 34 | 17 25 | 1 34 | 16 48 | 0 33 | 13 21 | 1 5 | 14 29 | 1 33 | 23 40 | 0 12 | 12 58 | 0 51 | 6 42 | 16 40 | 18 7 | 17 40 | 23 30 | 18 2 | 5 25 | S 19 |
| M20 | 23 30 | 26 59 | 4 1 | 22 30 | 1 28 | 17 2 | 1 31 | 17 0 | 0 33 | 13 25 | 1 5 | 14 30 | 1 33 | 23 40 | 0 12 | 12 57 | 0 51 | 6 42 | 16 40 | 18 5 | 17 39 | 23 32 | 18 1 | 5 25 | M20 |
| T 21 | 23 28 | 25 52 | 4 36 | 22 7 | 1 22 | 16 39 | 1 28 | 17 12 | 0 32 | 13 28 | 1 5 | 14 31 | 1 33 | 23 41 | 0 12 | 12 57 | 0 51 | 6 42 | 16 40 | 18 3 | 17 38 | 23 34 | 18 1 | 5 25 | T 21 |
| W22 | 23 26 | 23 30 | 4 59 | 21 42 | 1 16 | 16 16 | 1 25 | 17 24 | 0 31 | 13 32 | 1 5 | 14 32 | 1 34 | 23 41 | 0 12 | 12 56 | 0 51 | 6 42 | 16 41 | 18 1 | 17 37 | 23 36 | 18 1 | 5 25 | W22 |
| T 23 | 23 23 | 20 1 | 5 8 | 21 16 | 1 9 | 15 52 | 1 22 | 17 36 | 0 31 | 13 35 | 1 6 | 14 33 | 1 34 | 23 41 | 0 12 | 12 56 | 0 51 | 6 42 | 16 41 | 17 59 | 17 36 | 23 38 | 18 0 | 5 25 | T 23 |
| F 24 | 23 20 | 15 34 | 5 2 | 20 50 | 1 1 | 15 28 | 1 18 | 17 48 | 0 30 | 13 38 | 1 6 | 14 33 | 1 34 | 23 41 | 0 12 | 12 55 | 0 51 | 6 42 | 16 41 | 17 57 | 17 35 | 23 40 | 18 0 | 5 25 | F 24 |
| S 25 | 23 17 | 10 21 | 4 41 | 20 23 | 0 53 | 15 3 | 1 15 | 17 59 | 0 29 | 13 41 | 1 6 | 14 34 | 1 34 | 23 41 | 0 12 | 12 54 | 0 51 | 6 43 | 16 42 | 17 56 | 17 34 | 23 41 | 18 0 | 5 25 | S 25 |
| S 26 | 23 13 | 4 34 | 4 5 | 19 55 | 0 45 | 14 39 | 1 11 | 18 10 | 0 29 | 13 44 | 1 6 | 14 35 | 1 34 | 23 41 | 0 12 | 12 54 | 0 51 | 6 43 | 16 42 | 17 55 | 17 33 | 23 43 | 17 59 | 5 25 | S 26 |
| M27 | 23 8 | 1s33 | 3 14 | 19 27 | 0 36 | 14 14 | 1 7 | 18 22 | 0 28 | 13 48 | 1 6 | 14 36 | 1 35 | 23 41 | 0 12 | 12 53 | 0 51 | 6 43 | 16 42 | 17 55 | 17 33 | 23 45 | 17 59 | 5 25 | M27 |
| T 28 | 23 4 | 7 46 | 2 11 | 18 59 | 0 27 | 13 48 | 1 3 | 18 32 | 0 27 | 13 51 | 1 6 | 14 37 | 1 35 | 23 41 | 0 12 | 12 53 | 0 51 | 6 43 | 16 43 | 17 55 | 17 32 | 23 47 | 17 59 | 5 25 | T 28 |
| W29 | 22 59 | 13 45 | 0 59 | 18 30 | 0 17 | 13 23 | 0 59 | 18 43 | 0 26 | 13 54 | 1 6 | 14 39 | 1 35 | 23 42 | 0 12 | 12 52 | 0 51 | 6 43 | 16 43 | 17 55 | 17 31 | 23 49 | 17 58 | 5 26 | W29 |
| T 30 | 22n53 | 19s 7 | 0s19 | 18n 1 | 0n 8 | 12n57 | 0n55 | 18n54 | 0s26 | 13n57 | 1s 6 | 14s40 | 1s35 | 23n42 | 0n12 | 12n52 | 0n51 | 6s43 | 16s43 | 17n56 | 17n30 | 23n51 | 17n58 | 5s26 | T 30 |

Julian Day Number = 2126636.5, Delta T = 17m10s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'19, Lahiri = 11°27'19 Julian Calendar 1 June 1110 == Greg. Calendar 8 June 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## JULY 1110 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 59 26 | 14♋17'47 | 8♐35 | 10♌54 | 29♌25 | 26♉32 | 10♉30 | 25°R12 | 26♊ 7 | 28♌29 | 22♈32 | 20°R21 | 18♉45 | 9♊51 | 6♋50 | F 1 |
| S 2 | 19 3 22 | 15°15'01 | 23°32 | 12° 2 | 0♍27 | 27°13 | 10°40 | 25♒ 9 | 26°10 | 28°31 | 22°32 | 20♉17 | 18°41 | 9°58 | 6°56 | S 2 |
| S 3 | 19 7 19 | 16°12'16 | 8♑33 | 13° 6 | 1°29 | 27°55 | 10°50 | 25° 6 | 26°13 | 28°33 | 22°33 | 20°12 | 18°38 | 10° 5 | 7° 2 | S 3 |
| M 4 | 19 11 16 | 17° 9'31 | 23°29 | 14° 9 | 2°31 | 28°36 | 10°59 | 25° 3 | 26°17 | 28°34 | 22°33 | 20° 4 | 18°35 | 10°11 | 7° 9 | M 4 |
| T 5 | 19 15 12 | 18° 6'47 | 8♒11 | 15° 8 | 3°32 | 29°17 | 11° 8 | 25° 0 | 26°20 | 28°36 | 22°33 | 19°55 | 18°32 | 10°18 | 7°15 | T 5 |
| W 6 | 19 19 9 | 19° 4'03 | 22°31 | 16° 4 | 4°33 | 29°57 | 11°17 | 24°57 | 26°24 | 28°38 | 22°33 | 19°46 | 18°29 | 10°25 | 7°21 | W 6 |
| T 7 | 19 23 5 | 20° 1'20 | 6♓26 | 16°58 | 5°33 | 0♊38 | 11°26 | 24°53 | 26°27 | 28°40 | 22°34 | 19°39 | 18°26 | 10°31 | 7°27 | T 7 |
| F 8 | 19 27 2 | 20°58'38 | 19°52 | 17°48 | 6°34 | 1°19 | 11°35 | 24°50 | 26°31 | 28°42 | 22°34 | 19°33 | 18°22 | 10°38 | 7°34 | F 8 |
| S 9 | 19 30 58 | 21°55'58 | 2♈51 | 18°34 | 7°34 | 2° 0 | 11°44 | 24°47 | 26°34 | 28°44 | 22°34 | 19°29 | 18°19 | 10°45 | 7°40 | S 9 |
| S 10 | 19 34 55 | 22°53'18 | 15°26 | 19°18 | 8°33 | 2°40 | 11°53 | 24°43 | 26°37 | 28°45 | 22°34 | 19°27 | 18°16 | 10°51 | 7°46 | S 10 |
| M11 | 19 38 51 | 23°50'39 | 27°41 | 19°57 | 9°32 | 3°21 | 12° 1 | 24°40 | 26°41 | 28°47 | 22°34 | 19°D27 | 18°13 | 10°58 | 7°52 | M11 |
| T 12 | 19 42 48 | 24°48'02 | 9♉42 | 20°33 | 10°31 | 4° 1 | 12°10 | 24°36 | 26°44 | 28°49 | 22°34 | 19°27 | 18°10 | 11° 5 | 7°59 | T 12 |
| W13 | 19 46 45 | 25°45'26 | 21°33 | 21° 5 | 11°30 | 4°41 | 12°18 | 24°33 | 26°47 | 28°51 | 22°35 | 19°R28 | 18° 6 | 11°11 | 8° 5 | W13 |
| T 14 | 19 50 41 | 26°42'50 | 3♊21 | 21°32 | 12°28 | 5°22 | 12°26 | 24°29 | 26°50 | 28°53 | 22°35 | 19°27 | 18° 3 | 11°18 | 8°11 | T 14 |
| F 15 | 19 54 38 | 27°40'17 | 15° 9 | 21°55 | 13°25 | 6° 2 | 12°34 | 24°25 | 26°54 | 28°55 | 22°35 | 19°24 | 18° 0 | 11°25 | 8°17 | F 15 |
| S 16 | 19 58 34 | 28°37'44 | 27° 1 | 22°14 | 14°23 | 6°42 | 12°42 | 24°21 | 26°57 | 28°57 | 22°35 | 19°18 | 17°57 | 11°31 | 8°23 | S 16 |
| S 17 | 20 2 31 | 29°35'13 | 9♋ 1 | 22°28 | 15°19 | 7°22 | 12°50 | 24°17 | 27° 0 | 28°59 | 22°R35 | 19°10 | 17°54 | 11°38 | 8°29 | S 17 |
| M18 | 20 6 27 | 0♌32'42 | 21°11 | 22°37 | 16°16 | 8° 2 | 12°57 | 24°13 | 27° 3 | 29° 1 | 22°35 | 18°59 | 17°51 | 11°45 | 8°35 | M18 |
| T 19 | 20 10 24 | 1°30'13 | 3♌32 | 22°R41 | 17°12 | 8°42 | 13° 5 | 24° 9 | 27° 6 | 29° 3 | 22°35 | 18°47 | 17°47 | 11°51 | 8°41 | T 19 |
| W20 | 20 14 20 | 2°27'45 | 16° 5 | 22°39 | 18° 7 | 9°22 | 13°12 | 24° 5 | 27° 9 | 29° 5 | 22°35 | 18°35 | 17°44 | 11°58 | 8°47 | W20 |
| T 21 | 20 18 17 | 3°25'18 | 28°50 | 22°32 | 19° 2 | 10° 1 | 13°19 | 24° 1 | 27°12 | 29° 7 | 22°35 | 18°23 | 17°41 | 12° 5 | 8°53 | T 21 |
| F 22 | 20 22 14 | 4°22'52 | 11♍47 | 22°20 | 19°56 | 10°41 | 13°26 | 23°57 | 27°16 | 29° 9 | 22°34 | 18°13 | 17°38 | 12°11 | 8°59 | F 22 |
| S 23 | 20 26 10 | 5°20'26 | 24°56 | 22° 3 | 20°50 | 11°20 | 13°33 | 23°53 | 27°19 | 29°11 | 22°34 | 18° 5 | 17°35 | 12°18 | 9° 5 | S 23 |
| S 24 | 20 30 7 | 6°18'02 | 8♎17 | 21°39 | 21°43 | 12° 0 | 13°40 | 23°49 | 27°22 | 29°13 | 22°34 | 18° 0 | 17°32 | 12°25 | 9°11 | S 24 |
| M25 | 20 34 3 | 7°15'39 | 21°50 | 21°11 | 22°36 | 12°39 | 13°46 | 23°45 | 27°25 | 29°15 | 22°34 | 17°57 | 17°28 | 12°31 | 9°17 | M25 |
| T 26 | 20 38 0 | 8°13'17 | 5♏36 | 20°38 | 23°28 | 13°18 | 13°53 | 23°40 | 27°27 | 29°17 | 22°34 | 17°D57 | 17°25 | 12°38 | 9°23 | T 26 |
| W27 | 20 41 56 | 9°10'56 | 19°36 | 20° 0 | 24°20 | 13°57 | 13°59 | 23°36 | 27°30 | 29°20 | 22°34 | 17°R57 | 17°22 | 12°45 | 9°29 | W27 |
| T 28 | 20 45 53 | 10° 8'36 | 3♐49 | 19°17 | 25°11 | 14°37 | 14° 5 | 23°32 | 27°33 | 29°22 | 22°33 | 17°56 | 17°19 | 12°51 | 9°35 | T 28 |
| F 29 | 20 49 49 | 11° 6'17 | 18°15 | 18°32 | 26° 1 | 15°15 | 14°11 | 23°27 | 27°36 | 29°24 | 22°33 | 17°54 | 17°16 | 12°58 | 9°41 | F 29 |
| S 30 | 20 53 46 | 12° 3'59 | 2♑51 | 17°43 | 26°50 | 15°54 | 14°17 | 23°23 | 27°39 | 29°26 | 22°33 | 17°49 | 17°12 | 13° 5 | 9°46 | S 30 |
| S 31 | 20 57 43 | 13♌ 1'42 | 17♑30 | 16♌52 | 27♍39 | 16♊33 | 14♉22 | 23♒18 | 27♊42 | 29♌28 | 22♈33 | 17♉41 | 17♉ 9 | 13♊11 | 9♋52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n47 | 23s26 | 1s36 | 17n32 | 0s 3 | 12n31 | 0n51 | 19n 4 | 0s25 | 14n 0 | 1s 6 | 14s41 | 1s35 | 23n42 | 0n12 | 12n51 | 0n51 | 6s44 | 16s43 | 17n55 | 17n29 | 23n52 | 17n57 | 5s26 |
| S 2 | 22 41 | 26 12 | 2 48 | 17 3 | 0 13 | 12 5 | 0 46 | 19 14 | 0 24 | 14 3 | 1 7 | 14 42 | 1 35 | 23 42 | 0 12 | 12 50 | 0 51 | 6 44 | 16 44 | 17 54 | 17 28 | 23 54 | 17 57 | 5 26 |
| S 3 | 22 34 | 27 5 | 3 49 | 16 35 | 0 24 | 11 39 | 0 42 | 19 25 | 0 24 | 14 5 | 1 7 | 14 43 | 1 36 | 23 42 | 0 12 | 12 50 | 0 51 | 6 44 | 16 44 | 17 53 | 17 27 | 23 56 | 17 56 | 5 26 |
| M 4 | 22 27 | 25 59 | 4 33 | 16 6 | 0 35 | 11 12 | 0 37 | 19 34 | 0 23 | 14 8 | 1 7 | 14 44 | 1 36 | 23 42 | 0 12 | 12 49 | 0 51 | 6 44 | 16 44 | 17 51 | 17 26 | 23 58 | 17 56 | 5 26 |
| T 5 | 22 19 | 23 7 | 4 59 | 15 38 | 0 47 | 10 46 | 0 32 | 19 44 | 0 22 | 14 11 | 1 7 | 14 46 | 1 36 | 23 42 | 0 12 | 12 48 | 0 51 | 6 44 | 16 45 | 17 48 | 17 26 | 24 0 | 17 56 | 5 26 |
| W 6 | 22 12 | 18 52 | 5 5 | 15 10 | 0 59 | 10 19 | 0 27 | 19 54 | 0 21 | 14 14 | 1 7 | 14 47 | 1 36 | 23 42 | 0 12 | 12 48 | 0 51 | 6 45 | 16 45 | 17 46 | 17 25 | 24 1 | 17 55 | 5 27 |
| T 7 | 22 3 | 13 43 | 4 52 | 14 42 | 1 11 | 9 52 | 0 22 | 20 3 | 0 21 | 14 16 | 1 7 | 14 48 | 1 36 | 23 42 | 0 12 | 12 47 | 0 51 | 6 45 | 16 45 | 17 44 | 17 24 | 24 3 | 17 55 | 5 27 |
| F 8 | 21 55 | 8 4 | 4 24 | 14 16 | 1 23 | 9 25 | 0 17 | 20 12 | 0 20 | 14 19 | 1 7 | 14 49 | 1 37 | 23 43 | 0 12 | 12 47 | 0 51 | 6 45 | 16 46 | 17 42 | 17 23 | 24 5 | 17 54 | 5 27 |
| S 9 | 21 46 | 2 15 | 3 42 | 13 50 | 1 35 | 8 57 | 0 12 | 20 21 | 0 19 | 14 22 | 1 7 | 14 51 | 1 37 | 23 43 | 0 12 | 12 46 | 0 51 | 6 45 | 16 46 | 17 41 | 17 22 | 24 7 | 17 54 | 5 27 |
| S 10 | 21 36 | 3n28 | 2 51 | 13 24 | 1 48 | 8 30 | 0 6 | 20 30 | 0 18 | 14 24 | 1 8 | 14 52 | 1 37 | 23 43 | 0 12 | 12 45 | 0 51 | 6 46 | 16 46 | 17 41 | 17 21 | 24 9 | 17 53 | 5 27 |
| M11 | 21 26 | 8 56 | 1 54 | 13 0 | 2 0 | 8 2 | 0 1 | 20 38 | 0 17 | 14 27 | 1 8 | 14 53 | 1 37 | 23 43 | 0 12 | 12 45 | 0 51 | 6 46 | 16 47 | 17 41 | 17 20 | 24 10 | 17 52 | 5 27 |
| T 12 | 21 16 | 13 58 | 0 52 | 12 37 | 2 13 | 7 35 | 0s 5 | 20 47 | 0 17 | 14 29 | 1 8 | 14 55 | 1 37 | 23 43 | 0 12 | 12 44 | 0 51 | 6 46 | 16 47 | 17 41 | 17 19 | 24 12 | 17 52 | 5 28 |
| W13 | 21 6 | 18 25 | 0n11 | 12 15 | 2 25 | 7 7 | 0 11 | 20 55 | 0 16 | 14 32 | 1 8 | 14 56 | 1 37 | 23 43 | 0 12 | 12 43 | 0 51 | 6 46 | 16 47 | 17 41 | 17 18 | 24 14 | 17 51 | 5 28 |
| T 14 | 20 55 | 22 8 | 1 13 | 11 54 | 2 38 | 6 40 | 0 17 | 21 3 | 0 15 | 14 34 | 1 8 | 14 57 | 1 38 | 23 43 | 0 12 | 12 43 | 0 51 | 6 47 | 16 48 | 17 41 | 17 18 | 24 16 | 17 51 | 5 28 |
| F 15 | 20 44 | 24 55 | 2 12 | 11 35 | 2 51 | 6 12 | 0 23 | 21 11 | 0 14 | 14 36 | 1 8 | 14 59 | 1 38 | 23 43 | 0 12 | 12 42 | 0 51 | 6 47 | 16 48 | 17 40 | 17 17 | 24 17 | 17 50 | 5 28 |
| S 16 | 20 32 | 26 37 | 3 6 | 11 17 | 3 3 | 5 44 | 0 29 | 21 19 | 0 13 | 14 38 | 1 8 | 15 0 | 1 38 | 23 43 | 0 12 | 12 41 | 0 51 | 6 47 | 16 48 | 17 38 | 17 16 | 24 19 | 17 50 | 5 28 |
| S 17 | 20 20 | 27 6 | 3 51 | 11 1 | 3 15 | 5 16 | 0 35 | 21 26 | 0 13 | 14 41 | 1 8 | 15 2 | 1 38 | 23 43 | 0 12 | 12 40 | 0 51 | 6 48 | 16 49 | 17 36 | 17 15 | 24 21 | 17 49 | 5 29 |
| M18 | 20 8 | 26 16 | 4 27 | 10 47 | 3 27 | 4 48 | 0 42 | 21 34 | 0 12 | 14 43 | 1 9 | 15 3 | 1 38 | 23 44 | 0 12 | 12 40 | 0 51 | 6 48 | 16 49 | 17 33 | 17 14 | 24 22 | 17 48 | 5 29 |
| T 19 | 19 55 | 24 10 | 4 51 | 10 35 | 3 38 | 4 20 | 0 49 | 21 41 | 0 11 | 14 45 | 1 9 | 15 5 | 1 38 | 23 44 | 0 12 | 12 39 | 0 51 | 6 48 | 16 49 | 17 30 | 17 13 | 24 24 | 17 48 | 5 29 |
| W20 | 19 42 | 20 52 | 5 1 | 10 25 | 3 49 | 3 52 | 0 55 | 21 48 | 0 10 | 14 47 | 1 9 | 15 6 | 1 38 | 23 44 | 0 12 | 12 38 | 0 51 | 6 48 | 16 50 | 17 26 | 17 12 | 24 26 | 17 47 | 5 29 |
| T 21 | 19 29 | 16 33 | 4 56 | 10 18 | 4 0 | 3 25 | 1 2 | 21 54 | 0 9 | 14 49 | 1 9 | 15 8 | 1 39 | 23 44 | 0 12 | 12 38 | 0 51 | 6 49 | 16 50 | 17 23 | 17 11 | 24 28 | 17 47 | 5 30 |
| F 22 | 19 16 | 11 26 | 4 36 | 10 12 | 4 9 | 2 57 | 1 9 | 22 1 | 0 9 | 14 51 | 1 9 | 15 9 | 1 39 | 23 44 | 0 12 | 12 37 | 0 51 | 6 49 | 16 50 | 17 20 | 17 10 | 24 29 | 17 46 | 5 30 |
| S 23 | 19 2 | 5 43 | 4 2 | 10 10 | 4 18 | 2 29 | 1 16 | 22 7 | 0 8 | 14 53 | 1 9 | 15 11 | 1 39 | 23 44 | 0 12 | 12 36 | 0 51 | 6 49 | 16 51 | 17 18 | 17 10 | 24 31 | 17 45 | 5 30 |
| S 24 | 18 47 | 0s20 | 3 13 | 10 10 | 4 25 | 2 1 | 1 23 | 22 13 | 0 7 | 14 55 | 1 9 | 15 12 | 1 39 | 23 44 | 0 12 | 12 35 | 0 51 | 6 50 | 16 51 | 17 17 | 17 9 | 24 33 | 17 45 | 5 30 |
| M25 | 18 33 | 6 29 | 2 14 | 10 13 | 4 32 | 1 34 | 1 31 | 22 19 | 0 6 | 14 57 | 1 10 | 15 14 | 1 39 | 23 44 | 0 12 | 12 35 | 0 51 | 6 50 | 16 51 | 17 16 | 17 8 | 24 34 | 17 44 | 5 31 |
| T 26 | 18 18 | 12 26 | 1 5 | 10 18 | 4 37 | 1 6 | 1 38 | 22 25 | 0 5 | 14 58 | 1 10 | 15 15 | 1 39 | 23 44 | 0 12 | 12 34 | 0 51 | 6 51 | 16 52 | 17 16 | 17 7 | 24 36 | 17 43 | 5 31 |
| W27 | 18 3 | 17 52 | 0s 9 | 10 27 | 4 41 | 0 39 | 1 46 | 22 31 | 0 4 | 15 0 | 1 10 | 15 17 | 1 39 | 23 44 | 0 12 | 12 33 | 0 51 | 6 51 | 16 52 | 17 16 | 17 6 | 24 38 | 17 43 | 5 31 |
| T 28 | 17 47 | 22 23 | 1 23 | 10 38 | 4 43 | 0 12 | 1 53 | 22 36 | 0 4 | 15 2 | 1 10 | 15 18 | 1 40 | 23 44 | 0 12 | 12 32 | 0 51 | 6 51 | 16 52 | 17 16 | 17 5 | 24 39 | 17 42 | 5 32 |
| F 29 | 17 32 | 25 34 | 2 33 | 10 51 | 4 44 | 0s16 | 2 1 | 22 42 | 0 3 | 15 3 | 1 10 | 15 20 | 1 40 | 23 44 | 0 12 | 12 32 | 0 51 | 6 52 | 16 53 | 17 15 | 17 4 | 24 41 | 17 41 | 5 32 |
| S 30 | 17 16 | 27 5 | 3 33 | 11 7 | 4 42 | 0 43 | 2 9 | 22 47 | 0 2 | 15 5 | 1 10 | 15 22 | 1 40 | 23 44 | 0 12 | 12 31 | 0 51 | 6 52 | 16 53 | 17 14 | 17 3 | 24 43 | 17 40 | 5 32 |
| S 31 | 16n59 | 26s42 | 4s20 | 11n25 | 4s39 | 1s 9 | 2s17 | 22n51 | 0s 1 | 15n 6 | 1s11 | 15s23 | 1s40 | 23n45 | 0n12 | 12n30 | 0n51 | 6s52 | 16s53 | 17n11 | 17n 2 | 24n44 | 17n40 | 5s32 |

Julian Day Number = 2126666.5, Delta T = 17m09s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'23, Lahiri = 11°27'23 Julian Calendar 1 July 1110 == Greg. Calendar 8 July 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## AUGUST 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 1 39 | 13♌59'27 | 2♒ 7 | 15°R59 | 28♍27 | 17♊12 | 14♉28 | 23°R14 | 27♊45 | 29♌30 | 22°R32 | 17°R31 | 17♉ 6 | 13♊18 | 9♋58 | M 1 |
| T 2 | 21 5 36 | 14°57'13 | 16°34 | 15♌ 7 | 29°14 | 17°50 | 14°33 | 23♒10 | 27°47 | 29°32 | 22♈32 | 17♉20 | 17° 3 | 13°25 | 10° 3 | T 2 |
| W 3 | 21 9 32 | 15°55'01 | 0♓44 | 14°15 | 0♎ 1 | 18°29 | 14°38 | 23° 5 | 27°50 | 29°35 | 22°32 | 17° 8 | 17° 0 | 13°31 | 10° 9 | W 3 |
| T 4 | 21 13 29 | 16°52'49 | 14°32 | 13°25 | 0°46 | 19° 7 | 14°43 | 23° 0 | 27°53 | 29°37 | 22°31 | 16°58 | 16°57 | 13°38 | 10°14 | T 4 |
| F 5 | 21 17 25 | 17°50'40 | 27°56 | 12°38 | 1°31 | 19°46 | 14°47 | 22°56 | 27°55 | 29°39 | 22°31 | 16°49 | 16°53 | 13°44 | 10°20 | F 5 |
| S 6 | 21 21 22 | 18°48'32 | 10♈55 | 11°55 | 2°15 | 20°24 | 14°52 | 22°51 | 27°58 | 29°41 | 22°31 | 16°43 | 16°50 | 13°51 | 10°25 | S 6 |
| S 7 | 21 25 18 | 19°46'26 | 23°31 | 11°17 | 2°58 | 21° 2 | 14°56 | 22°47 | 28° 0 | 29°43 | 22°30 | 16°40 | 16°47 | 13°58 | 10°31 | S 7 |
| M 8 | 21 29 15 | 20°44'22 | 5♉47 | 10°45 | 3°40 | 21°40 | 15° 1 | 22°42 | 28° 3 | 29°46 | 22°30 | 16°38 | 16°44 | 14° 4 | 10°36 | M 8 |
| T 9 | 21 33 12 | 21°42'20 | 17°49 | 10°19 | 4°21 | 22°18 | 15° 5 | 22°38 | 28° 5 | 29°48 | 22°29 | 16°38 | 16°41 | 14°11 | 10°42 | T 9 |
| W10 | 21 37 8 | 22°40'20 | 29°41 | 10° 0 | 5° 0 | 22°56 | 15° 8 | 22°33 | 28° 8 | 29°50 | 22°29 | 16°38 | 16°38 | 14°18 | 10°47 | W10 |
| T 11 | 21 41 5 | 23°38'22 | 11♊30 | 9°50 | 5°39 | 23°33 | 15°12 | 22°29 | 28°10 | 29°52 | 22°28 | 16°37 | 16°34 | 14°24 | 10°52 | T 11 |
| F 12 | 21 45 1 | 24°36'26 | 23°20 | 9°D47 | 6°17 | 24°11 | 15°16 | 22°24 | 28°13 | 29°54 | 22°28 | 16°34 | 16°31 | 14°31 | 10°57 | F 12 |
| S 13 | 21 48 58 | 25°34'31 | 5♋16 | 9°53 | 6°53 | 24°49 | 15°19 | 22°19 | 28°15 | 29°57 | 22°27 | 16°29 | 16°28 | 14°38 | 11° 3 | S 13 |
| S 14 | 21 52 54 | 26°32'39 | 17°22 | 10° 7 | 7°29 | 25°26 | 15°22 | 22°15 | 28°17 | 29°59 | 22°27 | 16°20 | 16°25 | 14°44 | 11° 8 | S 14 |
| M15 | 21 56 51 | 27°30'48 | 29°42 | 10°30 | 8° 3 | 26° 3 | 15°25 | 22°10 | 28°19 | 0♍ 1 | 22°26 | 16°10 | 16°22 | 14°51 | 11°13 | M15 |
| T 16 | 22 0 47 | 28°29'00 | 12♌17 | 11° 1 | 8°35 | 26°41 | 15°28 | 22° 6 | 28°22 | 0° 3 | 22°26 | 15°58 | 16°18 | 14°58 | 11°18 | T 16 |
| W17 | 22 4 44 | 29°27'13 | 25° 7 | 11°40 | 9° 7 | 27°18 | 15°30 | 22° 1 | 28°24 | 0° 6 | 22°25 | 15°45 | 16°15 | 15° 4 | 11°23 | W17 |
| T 18 | 22 8 41 | 0♍25'28 | 8♍12 | 12°28 | 9°36 | 27°55 | 15°32 | 21°57 | 28°26 | 0° 8 | 22°24 | 15°33 | 16°12 | 15°11 | 11°28 | T 18 |
| F 19 | 22 12 37 | 1°23'44 | 21°31 | 13°23 | 10° 5 | 28°32 | 15°35 | 21°52 | 28°28 | 0°10 | 22°24 | 15°22 | 16° 9 | 15°18 | 11°33 | F 19 |
| S 20 | 22 16 34 | 2°22'02 | 5♎ 2 | 14°25 | 10°32 | 29° 8 | 15°37 | 21°48 | 28°30 | 0°12 | 22°23 | 15°14 | 16° 6 | 15°24 | 11°37 | S 20 |
| S 21 | 22 20 30 | 3°20'22 | 18°42 | 15°35 | 10°57 | 29°45 | 15°38 | 21°43 | 28°32 | 0°14 | 22°22 | 15° 9 | 16° 3 | 15°31 | 11°42 | S 21 |
| M22 | 22 24 27 | 4°18'44 | 2♏31 | 16°50 | 11°21 | 0♋22 | 15°40 | 21°39 | 28°34 | 0°17 | 22°22 | 15° 7 | 15°59 | 15°38 | 11°47 | M22 |
| T 23 | 22 28 23 | 5°17'07 | 16°26 | 18°12 | 11°43 | 0°58 | 15°41 | 21°35 | 28°36 | 0°19 | 22°21 | 15°D 6 | 15°56 | 15°44 | 11°52 | T 23 |
| W24 | 22 32 20 | 6°15'32 | 0♐27 | 19°38 | 12° 3 | 1°34 | 15°42 | 21°30 | 28°38 | 0°21 | 22°20 | 15°R 7 | 15°53 | 15°51 | 11°56 | W24 |
| T 25 | 22 36 16 | 7°13'59 | 14°34 | 21° 9 | 12°21 | 2°10 | 15°43 | 21°26 | 28°40 | 0°23 | 22°20 | 15° 7 | 15°50 | 15°58 | 12° 1 | T 25 |
| F 26 | 22 40 13 | 8°12'27 | 28°46 | 22°45 | 12°37 | 2°46 | 15°44 | 21°22 | 28°41 | 0°26 | 22°19 | 15° 5 | 15°47 | 16° 4 | 12° 5 | F 26 |
| S 27 | 22 44 10 | 9°10'57 | 13♑ 0 | 24°23 | 12°52 | 3°22 | 15°45 | 21°18 | 28°43 | 0°28 | 22°18 | 15° 1 | 15°43 | 16°11 | 12°10 | S 27 |
| S 28 | 22 48 6 | 10° 9'29 | 27°15 | 26° 5 | 13° 4 | 3°58 | 15°45 | 21°13 | 28°45 | 0°30 | 22°17 | 14°55 | 15°40 | 16°18 | 12°14 | S 28 |
| M29 | 22 52 3 | 11° 8'02 | 11♒25 | 27°49 | 13°14 | 4°34 | 15°R45 | 21° 9 | 28°46 | 0°32 | 22°16 | 14°46 | 15°37 | 16°24 | 12°18 | M29 |
| T 30 | 22 55 59 | 12° 6'37 | 25°27 | 29°36 | 13°22 | 5°10 | 15°45 | 21° 5 | 28°48 | 0°34 | 22°16 | 14°36 | 15°34 | 16°31 | 12°22 | T 30 |
| W31 | 22 59 56 | 13♍ 5'14 | 9♓16 | 1♍24 | 13♎28 | 5♋45 | 15♉45 | 21♒ 1 | 28♊49 | 0♍37 | 22♈15 | 14♉26 | 15♉31 | 16♊38 | 12♋27 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n43 | 24s29 | 4s50 | 11n46 | 4s34 | 1s36 | 2s25 | 22n56 | 0s 0 | 15n 8 | 1s11 | 15s25 | 1s40 | 23n45 | 0n12 | 12n29 | 0n51 | 6s53 | 16s54 | 17n 9 | 17n 1 | 24n46 | 17n39 | 5s33 |
| T 2 | 16 26 | 20 43 | 5 0 | 12 8 | 4 27 | 2 2 | 2 33 | 23 1 | 0n 1 | 15 9 | 1 11 | 15 26 | 1 40 | 23 45 | 0 12 | 12 29 | 0 51 | 6 53 | 16 54 | 17 5 | 17 1 | 24 48 | 17 38 | 5 33 |
| W 3 | 16 9 | 15 49 | 4 52 | 12 31 | 4 18 | 2 29 | 2 42 | 23 5 | 0 2 | 15 11 | 1 11 | 15 28 | 1 40 | 23 45 | 0 12 | 12 28 | 0 51 | 6 54 | 16 54 | 17 2 | 17 0 | 24 49 | 17 37 | 5 33 |
| T 4 | 15 51 | 10 13 | 4 27 | 12 56 | 4 7 | 2 55 | 2 50 | 23 9 | 0 3 | 15 12 | 1 11 | 15 30 | 1 40 | 23 45 | 0 12 | 12 27 | 0 51 | 6 54 | 16 55 | 16 59 | 16 59 | 24 51 | 17 37 | 5 34 |
| F 5 | 15 34 | 4 18 | 3 47 | 13 20 | 3 55 | 3 20 | 2 59 | 23 13 | 0 4 | 15 13 | 1 11 | 15 31 | 1 40 | 23 45 | 0 12 | 12 26 | 0 51 | 6 54 | 16 55 | 16 57 | 16 58 | 24 52 | 17 36 | 5 34 |
| S 6 | 15 16 | 1n38 | 2 57 | 13 46 | 3 41 | 3 46 | 3 7 | 23 17 | 0 4 | 15 14 | 1 11 | 15 33 | 1 40 | 23 45 | 0 12 | 12 26 | 0 51 | 6 55 | 16 55 | 16 55 | 16 57 | 24 54 | 17 35 | 5 34 |
| S 7 | 14 57 | 7 20 | 1 59 | 14 11 | 3 26 | 4 11 | 3 16 | 23 20 | 0 5 | 15 15 | 1 12 | 15 34 | 1 41 | 23 45 | 0 12 | 12 25 | 0 51 | 6 55 | 16 55 | 16 54 | 16 56 | 24 56 | 17 34 | 5 35 |
| M 8 | 14 39 | 12 37 | 0 57 | 14 35 | 3 10 | 4 36 | 3 25 | 23 24 | 0 6 | 15 16 | 1 12 | 15 36 | 1 41 | 23 45 | 0 12 | 12 24 | 0 51 | 6 56 | 16 56 | 16 53 | 16 55 | 24 57 | 17 34 | 5 35 |
| T 9 | 14 20 | 17 20 | 0n 6 | 14 58 | 2 53 | 5 0 | 3 34 | 23 27 | 0 7 | 15 17 | 1 12 | 15 37 | 1 41 | 23 45 | 0 13 | 12 23 | 0 51 | 6 56 | 16 56 | 16 53 | 16 54 | 24 59 | 17 33 | 5 36 |
| W10 | 14 1 | 21 18 | 1 9 | 15 20 | 2 35 | 5 24 | 3 43 | 23 30 | 0 8 | 15 18 | 1 12 | 15 39 | 1 41 | 23 45 | 0 13 | 12 23 | 0 51 | 6 57 | 16 56 | 16 53 | 16 53 | 25 0 | 17 32 | 5 36 |
| T 11 | 13 42 | 24 23 | 2 8 | 15 41 | 2 17 | 5 48 | 3 52 | 23 33 | 0 9 | 15 19 | 1 12 | 15 41 | 1 41 | 23 45 | 0 13 | 12 22 | 0 51 | 6 57 | 16 57 | 16 53 | 16 52 | 25 2 | 17 31 | 5 36 |
| F 12 | 13 23 | 26 24 | 3 1 | 15 59 | 1 58 | 6 12 | 4 1 | 23 36 | 0 10 | 15 20 | 1 12 | 15 42 | 1 41 | 23 45 | 0 13 | 12 21 | 0 51 | 6 58 | 16 57 | 16 52 | 16 51 | 25 3 | 17 31 | 5 37 |
| S 13 | 13 3 | 27 14 | 3 47 | 16 16 | 1 40 | 6 35 | 4 11 | 23 38 | 0 11 | 15 21 | 1 13 | 15 44 | 1 41 | 23 45 | 0 13 | 12 20 | 0 51 | 6 58 | 16 57 | 16 51 | 16 51 | 25 5 | 17 30 | 5 37 |
| S 14 | 12 44 | 26 47 | 4 24 | 16 29 | 1 21 | 6 57 | 4 20 | 23 41 | 0 12 | 15 22 | 1 13 | 15 45 | 1 41 | 23 45 | 0 13 | 12 19 | 0 51 | 6 58 | 16 58 | 16 48 | 16 50 | 25 7 | 17 29 | 5 38 |
| M15 | 12 24 | 25 1 | 4 49 | 16 41 | 1 3 | 7 19 | 4 29 | 23 43 | 0 13 | 15 22 | 1 13 | 15 47 | 1 41 | 23 45 | 0 13 | 12 19 | 0 51 | 6 59 | 16 58 | 16 45 | 16 49 | 25 8 | 17 28 | 5 38 |
| T 16 | 12 4 | 22 0 | 5 0 | 16 49 | 0 46 | 7 41 | 4 39 | 23 45 | 0 14 | 15 23 | 1 13 | 15 48 | 1 41 | 23 45 | 0 13 | 12 18 | 0 51 | 6 59 | 16 58 | 16 42 | 16 48 | 25 10 | 17 27 | 5 38 |
| W17 | 11 43 | 17 52 | 4 57 | 16 54 | 0 29 | 8 2 | 4 48 | 23 47 | 0 15 | 15 24 | 1 13 | 15 50 | 1 41 | 23 45 | 0 13 | 12 17 | 0 51 | 7 0 | 16 58 | 16 38 | 16 47 | 25 11 | 17 26 | 5 39 |
| T 18 | 11 23 | 12 49 | 4 38 | 16 57 | 0 13 | 8 23 | 4 58 | 23 48 | 0 16 | 15 24 | 1 13 | 15 51 | 1 41 | 23 46 | 0 13 | 12 16 | 0 51 | 7 0 | 16 59 | 16 35 | 16 46 | 25 13 | 17 26 | 5 39 |
| F 19 | 11 2 | 7 6 | 4 4 | 16 56 | 0n 3 | 8 43 | 5 7 | 23 50 | 0 17 | 15 25 | 1 14 | 15 53 | 1 41 | 23 46 | 0 13 | 12 15 | 0 51 | 7 1 | 16 59 | 16 32 | 16 45 | 25 14 | 17 25 | 5 40 |
| S 20 | 10 41 | 0 59 | 3 15 | 16 51 | 0 17 | 9 2 | 5 17 | 23 51 | 0 18 | 15 25 | 1 14 | 15 54 | 1 41 | 23 46 | 0 13 | 12 15 | 0 51 | 7 1 | 16 59 | 16 29 | 16 44 | 25 16 | 17 24 | 5 40 |
| S 21 | 10 20 | 5s17 | 2 15 | 16 44 | 0 31 | 9 21 | 5 26 | 23 52 | 0 19 | 15 25 | 1 14 | 15 56 | 1 41 | 23 46 | 0 13 | 12 14 | 0 51 | 7 2 | 16 59 | 16 28 | 16 43 | 25 17 | 17 23 | 5 41 |
| M22 | 9 59 | 11 22 | 1 6 | 16 33 | 0 43 | 9 39 | 5 36 | 23 53 | 0 20 | 15 26 | 1 14 | 15 57 | 1 41 | 23 46 | 0 13 | 12 13 | 0 51 | 7 2 | 17 0 | 16 27 | 16 42 | 25 19 | 17 22 | 5 41 |
| T 23 | 9 37 | 16 57 | 0s 7 | 16 19 | 0 54 | 9 56 | 5 45 | 23 54 | 0 21 | 15 26 | 1 14 | 15 59 | 1 41 | 23 46 | 0 13 | 12 12 | 0 51 | 7 3 | 17 0 | 16 27 | 16 41 | 25 20 | 17 21 | 5 41 |
| W24 | 9 16 | 21 40 | 1 21 | 16 1 | 1 5 | 10 13 | 5 55 | 23 55 | 0 22 | 15 26 | 1 14 | 16 0 | 1 41 | 23 46 | 0 13 | 12 12 | 0 51 | 7 3 | 17 0 | 16 27 | 16 40 | 25 22 | 17 20 | 5 42 |
| T 25 | 8 54 | 25 8 | 2 30 | 15 41 | 1 14 | 10 29 | 6 4 | 23 55 | 0 23 | 15 26 | 1 15 | 16 2 | 1 41 | 23 46 | 0 13 | 12 11 | 0 51 | 7 4 | 17 0 | 16 27 | 16 40 | 25 23 | 17 20 | 5 42 |
| F 26 | 8 32 | 27 3 | 3 30 | 15 17 | 1 22 | 10 44 | 6 14 | 23 55 | 0 24 | 15 26 | 1 15 | 16 3 | 1 41 | 23 46 | 0 13 | 12 10 | 0 51 | 7 4 | 17 1 | 16 26 | 16 39 | 25 25 | 17 19 | 5 43 |
| S 27 | 8 10 | 27 12 | 4 18 | 14 51 | 1 29 | 10 58 | 6 23 | 23 56 | 0 25 | 15 26 | 1 15 | 16 4 | 1 42 | 23 46 | 0 13 | 12 9 | 0 51 | 7 5 | 17 1 | 16 25 | 16 38 | 25 26 | 17 18 | 5 43 |
| S 28 | 7 48 | 25 32 | 4 49 | 14 22 | 1 35 | 11 11 | 6 32 | 23 56 | 0 26 | 15 26 | 1 15 | 16 6 | 1 42 | 23 46 | 0 13 | 12 8 | 0 51 | 7 5 | 17 1 | 16 23 | 16 37 | 25 28 | 17 17 | 5 44 |
| M29 | 7 26 | 22 17 | 5 3 | 13 51 | 1 40 | 11 24 | 6 41 | 23 56 | 0 27 | 15 26 | 1 15 | 16 7 | 1 42 | 23 46 | 0 13 | 12 8 | 0 51 | 7 6 | 17 1 | 16 21 | 16 36 | 25 29 | 17 16 | 5 44 |
| T 30 | 7 3 | 17 46 | 4 58 | 13 17 | 1 44 | 11 35 | 6 50 | 23 55 | 0 28 | 15 26 | 1 15 | 16 9 | 1 42 | 23 46 | 0 13 | 12 7 | 0 51 | 7 6 | 17 2 | 16 18 | 16 35 | 25 30 | 17 15 | 5 45 |
| W31 | 6n41 | 12s23 | 4s36 | 12n42 | 1n47 | 11s45 | 6s59 | 23n55 | 0n29 | 15n26 | 1s15 | 16s10 | 1s42 | 23n46 | 0n13 | 12n 6 | 0n51 | 7s 7 | 17s 2 | 16n15 | 16n34 | 25n32 | 17n14 | 5s45 |

Julian Day Number = 2126697.5, Delta T = 17m09s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'27, Lahiri = 11°27'28 Julian Calendar 1 Aug. 1110 == Greg. Calendar 8 Aug. 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## SEPTEMBER 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 3 52 | 14♍ 3'53 | 22♓48 | 3♍13 | 13♎32 | 6♋20 | 15°R45 | 20°R57 | 28♊51 | 0♍39 | 22°R14 | 14°R16 | 15♉28 | 16♊44 | 12♋31 | T 1 |
| F 2 | 23 7 49 | 15° 2'34 | 6♈ 0 | 5° 3 | 13°R33 | 6°56 | 15♉44 | 20♒53 | 28°52 | 0°41 | 22♈13 | 14♉ 9 | 15°24 | 16°51 | 12°35 | F 2 |
| S 3 | 23 11 45 | 16° 1'17 | 18°51 | 6°53 | 13°32 | 7°31 | 15°43 | 20°49 | 28°54 | 0°43 | 22°12 | 14° 3 | 15°21 | 16°58 | 12°39 | S 3 |
| S 4 | 23 15 42 | 17° 0'02 | 1♉24 | 8°44 | 13°29 | 8° 6 | 15°42 | 20°45 | 28°55 | 0°45 | 22°11 | 14° 0 | 15°18 | 17° 4 | 12°43 | S 4 |
| M 5 | 23 19 39 | 17°58'49 | 13°39 | 10°34 | 13°23 | 8°40 | 15°41 | 20°41 | 28°56 | 0°47 | 22°10 | 14°D 0 | 15°15 | 17°11 | 12°46 | M 5 |
| T 6 | 23 23 35 | 18°57'39 | 25°40 | 12°25 | 13°15 | 9°15 | 15°39 | 20°38 | 28°58 | 0°50 | 22° 9 | 14° 0 | 15°12 | 17°18 | 12°50 | T 6 |
| W 7 | 23 27 32 | 19°56'31 | 7♊33 | 14°16 | 13° 4 | 9°50 | 15°38 | 20°34 | 28°59 | 0°52 | 22° 9 | 14° 1 | 15° 9 | 17°24 | 12°54 | W 7 |
| T 8 | 23 31 28 | 20°55'25 | 19°23 | 16° 6 | 12°51 | 10°24 | 15°36 | 20°30 | 29° 0 | 0°54 | 22° 8 | 14°R 2 | 15° 5 | 17°31 | 12°57 | T 8 |
| F 9 | 23 35 25 | 21°54'22 | 1♋14 | 17°55 | 12°36 | 10°58 | 15°34 | 20°27 | 29° 1 | 0°56 | 22° 7 | 14° 1 | 15° 2 | 17°38 | 13° 1 | F 9 |
| S 10 | 23 39 21 | 22°53'21 | 13°12 | 19°44 | 12°19 | 11°32 | 15°32 | 20°23 | 29° 2 | 0°58 | 22° 6 | 13°59 | 14°59 | 17°44 | 13° 4 | S 10 |
| S 11 | 23 43 18 | 23°52'22 | 25°21 | 21°32 | 11°59 | 12° 6 | 15°29 | 20°20 | 29° 3 | 1° 0 | 22° 5 | 13°55 | 14°56 | 17°51 | 13° 8 | S 11 |
| M12 | 23 47 14 | 24°51'26 | 7♌46 | 23°20 | 11°37 | 12°40 | 15°26 | 20°17 | 29° 4 | 1° 2 | 22° 4 | 13°48 | 14°53 | 17°58 | 13°11 | M12 |
| T 13 | 23 51 11 | 25°50'32 | 20°29 | 25° 6 | 11°13 | 13°14 | 15°24 | 20°13 | 29° 5 | 1° 4 | 22° 3 | 13°41 | 14°49 | 18° 4 | 13°14 | T 13 |
| W14 | 23 55 8 | 26°49'40 | 3♍33 | 26°52 | 10°47 | 13°47 | 15°21 | 20°10 | 29° 6 | 1° 6 | 22° 2 | 13°32 | 14°46 | 18°11 | 13°18 | W14 |
| T 15 | 23 59 4 | 27°48'50 | 16°55 | 28°38 | 10°19 | 14°21 | 15°17 | 20° 7 | 29° 7 | 1° 8 | 22° 1 | 13°24 | 14°43 | 18°18 | 13°21 | T 15 |
| F 16 | 0 3 1 | 28°48'02 | 0♎36 | 0♎22 | 9°49 | 14°54 | 15°14 | 20° 4 | 29° 7 | 1°10 | 22° 0 | 13°17 | 14°40 | 18°24 | 13°24 | F 16 |
| S 17 | 0 6 57 | 29°47'17 | 14°32 | 2° 6 | 9°18 | 15°27 | 15°10 | 20° 1 | 29° 8 | 1°12 | 21°59 | 13°12 | 14°37 | 18°31 | 13°27 | S 17 |
| S 18 | 0 10 54 | 0♎46'33 | 28°38 | 3°49 | 8°45 | 16° 0 | 15° 7 | 19°58 | 29° 9 | 1°14 | 21°58 | 13° 9 | 14°34 | 18°38 | 13°29 | S 18 |
| M19 | 0 14 50 | 1°45'51 | 12♏51 | 5°31 | 8°11 | 16°33 | 15° 3 | 19°55 | 29° 9 | 1°16 | 21°57 | 13°D 8 | 14°30 | 18°44 | 13°32 | M19 |
| T 20 | 0 18 47 | 2°45'12 | 27° 7 | 7°12 | 7°36 | 17° 5 | 14°58 | 19°52 | 29°10 | 1°18 | 21°56 | 13° 9 | 14°27 | 18°51 | 13°35 | T 20 |
| W21 | 0 22 43 | 3°44'34 | 11♐23 | 8°52 | 7° 0 | 17°37 | 14°54 | 19°50 | 29°10 | 1°20 | 21°54 | 13°10 | 14°24 | 18°58 | 13°37 | W21 |
| T 22 | 0 26 40 | 4°43'58 | 25°36 | 10°32 | 6°24 | 18°10 | 14°50 | 19°47 | 29°11 | 1°22 | 21°53 | 13°12 | 14°21 | 19° 4 | 13°40 | T 22 |
| F 23 | 0 30 36 | 5°43'24 | 9♑44 | 12°11 | 5°47 | 18°42 | 14°45 | 19°45 | 29°11 | 1°24 | 21°52 | 13°R12 | 14°18 | 19°11 | 13°42 | F 23 |
| S 24 | 0 34 33 | 6°42'52 | 23°46 | 13°49 | 5°11 | 19°14 | 14°40 | 19°42 | 29°11 | 1°26 | 21°51 | 13°11 | 14°15 | 19°18 | 13°45 | S 24 |
| S 25 | 0 38 30 | 7°42'21 | 7♒41 | 15°27 | 4°34 | 19°45 | 14°35 | 19°40 | 29°11 | 1°28 | 21°50 | 13° 8 | 14°11 | 19°24 | 13°47 | S 25 |
| M26 | 0 42 26 | 8°41'52 | 21°27 | 17° 4 | 3°58 | 20°17 | 14°30 | 19°38 | 29°12 | 1°30 | 21°49 | 13° 3 | 14° 8 | 19°31 | 13°49 | M26 |
| T 27 | 0 46 23 | 9°41'25 | 5♓ 1 | 18°40 | 3°22 | 20°48 | 14°24 | 19°36 | 29°12 | 1°32 | 21°48 | 12°58 | 14° 5 | 19°38 | 13°51 | T 27 |
| W28 | 0 50 19 | 10°41'00 | 18°24 | 20°16 | 2°48 | 21°19 | 14°19 | 19°34 | 29°12 | 1°34 | 21°47 | 12°53 | 14° 2 | 19°44 | 13°53 | W28 |
| T 29 | 0 54 16 | 11°40'36 | 1♈32 | 21°50 | 2°14 | 21°50 | 14°13 | 19°32 | 29°R12 | 1°35 | 21°46 | 12°48 | 13°59 | 19°51 | 13°55 | T 29 |
| F 30 | 0 58 12 | 12♎40'15 | 14♈25 | 23♎25 | 1♎42 | 22♋21 | 14♉ 7 | 19♒30 | 29♊12 | 1♍37 | 21♈45 | 12♉44 | 13♉55 | 19♊58 | 13♋57 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n18 | 6s31 | 3s58 | 12n 4 | 1n49 | 11s54 | 7s 7 | 23n54 | 0n30 | 15n26 | 1s16 | 16s11 | 1s42 | 23n46 | 0n13 | 12n 5 | 0n51 | 7s 7 | 17s 2 | 16n12 | 16n33 | 25n33 | 17n14 | 5s46 |
| F 2 | 5 55 | 0 30 | 3 9 | 11 25 | 1 50 | 12 3 | 7 15 | 23 54 | 0 31 | 15 25 | 1 16 | 16 12 | 1 42 | 23 46 | 0 13 | 12 5 | 0 51 | 7 8 | 17 2 | 16 10 | 16 32 | 25 35 | 17 13 | 5 46 |
| S 3 | 5 32 | 5n25 | 2 10 | 10 44 | 1 51 | 12 9 | 7 23 | 23 53 | 0 32 | 15 25 | 1 16 | 16 14 | 1 42 | 23 46 | 0 13 | 12 4 | 0 51 | 7 8 | 17 2 | 16 8 | 16 31 | 25 36 | 17 12 | 5 47 |
| S 4 | 5 9 | 10 58 | 1 7 | 10 2 | 1 50 | 12 15 | 7 31 | 23 52 | 0 33 | 15 24 | 1 16 | 16 15 | 1 42 | 23 46 | 0 13 | 12 3 | 0 51 | 7 9 | 17 3 | 16 7 | 16 30 | 25 38 | 17 11 | 5 47 |
| M 5 | 4 46 | 15 59 | 0 2 | 9 20 | 1 50 | 12 19 | 7 38 | 23 51 | 0 34 | 15 24 | 1 16 | 16 16 | 1 41 | 23 46 | 0 13 | 12 2 | 0 51 | 7 9 | 17 3 | 16 7 | 16 29 | 25 39 | 17 10 | 5 48 |
| T 6 | 4 23 | 20 17 | 1n 2 | 8 36 | 1 48 | 12 22 | 7 45 | 23 49 | 0 36 | 15 23 | 1 16 | 16 17 | 1 41 | 23 46 | 0 13 | 12 2 | 0 51 | 7 10 | 17 3 | 16 7 | 16 28 | 25 40 | 17 9 | 5 48 |
| W 7 | 4 0 | 23 42 | 2 3 | 7 51 | 1 46 | 12 24 | 7 51 | 23 48 | 0 37 | 15 23 | 1 16 | 16 18 | 1 41 | 23 46 | 0 13 | 12 1 | 0 51 | 7 10 | 17 3 | 16 7 | 16 27 | 25 42 | 17 8 | 5 49 |
| T 8 | 3 37 | 26 6 | 2 59 | 7 6 | 1 43 | 12 24 | 7 57 | 23 46 | 0 38 | 15 22 | 1 17 | 16 20 | 1 41 | 23 46 | 0 13 | 12 0 | 0 51 | 7 11 | 17 3 | 16 8 | 16 26 | 25 43 | 17 7 | 5 49 |
| F 9 | 3 14 | 27 19 | 3 46 | 6 20 | 1 40 | 12 23 | 8 2 | 23 45 | 0 39 | 15 21 | 1 17 | 16 21 | 1 41 | 23 46 | 0 13 | 11 59 | 0 51 | 7 11 | 17 3 | 16 7 | 16 26 | 25 45 | 17 7 | 5 50 |
| S 10 | 2 50 | 27 17 | 4 25 | 5 34 | 1 37 | 12 20 | 8 7 | 23 43 | 0 40 | 15 21 | 1 17 | 16 22 | 1 41 | 23 46 | 0 13 | 11 59 | 0 51 | 7 12 | 17 4 | 16 7 | 16 25 | 25 46 | 17 6 | 5 51 |
| S 11 | 2 27 | 25 57 | 4 52 | 4 48 | 1 33 | 12 16 | 8 11 | 23 41 | 0 41 | 15 20 | 1 17 | 16 23 | 1 41 | 23 46 | 0 13 | 11 58 | 0 51 | 7 12 | 17 4 | 16 5 | 16 24 | 25 47 | 17 5 | 5 51 |
| M12 | 2 3 | 23 20 | 5 6 | 4 1 | 1 29 | 12 11 | 8 14 | 23 39 | 0 42 | 15 19 | 1 17 | 16 24 | 1 41 | 23 46 | 0 13 | 11 57 | 0 51 | 7 13 | 17 4 | 16 4 | 16 23 | 25 49 | 17 4 | 5 52 |
| T 13 | 1 40 | 19 33 | 5 5 | 3 14 | 1 24 | 12 4 | 8 17 | 23 37 | 0 43 | 15 18 | 1 17 | 16 25 | 1 41 | 23 46 | 0 13 | 11 57 | 0 51 | 7 13 | 17 4 | 16 1 | 16 22 | 25 50 | 17 3 | 5 52 |
| W14 | 1 16 | 14 45 | 4 49 | 2 27 | 1 19 | 11 55 | 8 19 | 23 35 | 0 45 | 15 17 | 1 17 | 16 26 | 1 41 | 23 46 | 0 13 | 11 56 | 0 51 | 7 14 | 17 4 | 15 59 | 16 21 | 25 51 | 17 2 | 5 53 |
| T 15 | 0 52 | 9 8 | 4 17 | 1 40 | 1 14 | 11 45 | 8 20 | 23 32 | 0 46 | 15 16 | 1 17 | 16 27 | 1 41 | 23 46 | 0 13 | 11 55 | 0 51 | 7 14 | 17 4 | 15 56 | 16 20 | 25 53 | 17 1 | 5 53 |
| F 16 | 0 29 | 2 58 | 3 30 | 0 54 | 1 8 | 11 33 | 8 20 | 23 30 | 0 47 | 15 15 | 1 18 | 16 28 | 1 41 | 23 46 | 0 13 | 11 54 | 0 51 | 7 15 | 17 4 | 15 54 | 16 19 | 25 54 | 17 0 | 5 54 |
| S 17 | 0 5 | 3s28 | 2 29 | 0 7 | 1 3 | 11 20 | 8 20 | 23 27 | 0 48 | 15 14 | 1 18 | 16 29 | 1 41 | 23 47 | 0 13 | 11 54 | 0 51 | 7 15 | 17 5 | 15 53 | 16 18 | 25 55 | 17 0 | 5 55 |
| S 18 | 0s19 | 9 50 | 1 18 | 0s39 | 0 57 | 11 6 | 8 18 | 23 25 | 0 49 | 15 12 | 1 18 | 16 30 | 1 41 | 23 47 | 0 13 | 11 53 | 0 51 | 7 15 | 17 5 | 15 52 | 16 17 | 25 57 | 16 59 | 5 55 |
| M19 | 0 42 | 15 45 | 0 2 | 1 26 | 0 51 | 10 51 | 8 16 | 23 22 | 0 51 | 15 11 | 1 18 | 16 30 | 1 41 | 23 47 | 0 13 | 11 52 | 0 51 | 7 16 | 17 5 | 15 52 | 16 16 | 25 58 | 16 58 | 5 56 |
| T 20 | 1 6 | 20 50 | 1s15 | 2 11 | 0 44 | 10 34 | 8 13 | 23 19 | 0 52 | 15 10 | 1 18 | 16 31 | 1 41 | 23 47 | 0 13 | 11 52 | 0 51 | 7 16 | 17 5 | 15 52 | 16 15 | 25 59 | 16 57 | 5 56 |
| W21 | 1 30 | 24 41 | 2 27 | 2 57 | 0 38 | 10 16 | 8 9 | 23 16 | 0 53 | 15 8 | 1 18 | 16 32 | 1 41 | 23 47 | 0 13 | 11 51 | 0 51 | 7 17 | 17 5 | 15 52 | 16 14 | 26 1 | 16 56 | 5 57 |
| T 22 | 1 53 | 26 59 | 3 30 | 3 42 | 0 32 | 9 57 | 8 4 | 23 13 | 0 54 | 15 7 | 1 18 | 16 33 | 1 41 | 23 47 | 0 13 | 11 50 | 0 51 | 7 17 | 17 5 | 15 53 | 16 13 | 26 2 | 16 55 | 5 58 |
| F 23 | 2 17 | 27 31 | 4 20 | 4 27 | 0 25 | 9 36 | 7 58 | 23 10 | 0 56 | 15 6 | 1 18 | 16 34 | 1 41 | 23 47 | 0 13 | 11 50 | 0 51 | 7 18 | 17 5 | 15 53 | 16 12 | 26 3 | 16 55 | 5 58 |
| S 24 | 2 41 | 26 16 | 4 54 | 5 12 | 0 18 | 9 15 | 7 51 | 23 6 | 0 57 | 15 4 | 1 18 | 16 34 | 1 41 | 23 47 | 0 13 | 11 49 | 0 51 | 7 18 | 17 5 | 15 52 | 16 11 | 26 4 | 16 54 | 5 59 |
| S 25 | 3 4 | 23 26 | 5 10 | 5 56 | 0 12 | 8 54 | 7 43 | 23 3 | 0 58 | 15 3 | 1 19 | 16 35 | 1 41 | 23 47 | 0 13 | 11 48 | 0 51 | 7 19 | 17 5 | 15 51 | 16 10 | 26 6 | 16 53 | 5 59 |
| M26 | 3 28 | 19 17 | 5 8 | 6 40 | 0 5 | 8 32 | 7 35 | 23 0 | 0 59 | 15 1 | 1 19 | 16 36 | 1 41 | 23 47 | 0 13 | 11 48 | 0 51 | 7 19 | 17 5 | 15 50 | 16 10 | 26 7 | 16 52 | 6 0 |
| T 27 | 3 51 | 14 11 | 4 49 | 7 23 | 0s 2 | 8 9 | 7 25 | 22 56 | 1 1 | 14 59 | 1 19 | 16 36 | 1 40 | 23 47 | 0 14 | 11 47 | 0 51 | 7 20 | 17 6 | 15 48 | 16 9 | 26 8 | 16 51 | 6 1 |
| W28 | 4 15 | 8 30 | 4 14 | 8 5 | 0 9 | 7 46 | 7 15 | 22 53 | 1 2 | 14 58 | 1 19 | 16 37 | 1 40 | 23 47 | 0 14 | 11 46 | 0 51 | 7 20 | 17 6 | 15 47 | 16 8 | 26 9 | 16 50 | 6 1 |
| T 29 | 4 38 | 2 32 | 3 26 | 8 48 | 0 16 | 7 23 | 7 4 | 22 49 | 1 3 | 14 56 | 1 19 | 16 37 | 1 40 | 23 47 | 0 14 | 11 46 | 0 52 | 7 21 | 17 6 | 15 45 | 16 7 | 26 11 | 16 50 | 6 2 |
| F 30 | 5s 2 | 3n26 | 2s29 | 9s29 | 0s22 | 6s59 | 6s53 | 22n45 | 1n 5 | 14n54 | 1s19 | 16s38 | 1s40 | 23n47 | 0n14 | 11n45 | 0n52 | 7s21 | 17s 6 | 15n44 | 16n 6 | 26n12 | 16n49 | 6s 2 |

Julian Day Number = 2126728.5, Delta T = 17m09s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'31, Lahiri = 11°27'32 Julian Calendar 1 Sept. 1110 == Greg. Calendar 8 Sept. 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## OCTOBER 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 2 9 | 13♎39'56 | 27♈ 3 | 24♎58 | 1°R12 | 22♋51 | 14°R 1 | 19°R28 | 29°R12 | 1♍39 | 21°R43 | 12°R41 | 13♉52 | 20♊ 4 | 13♋59 | S 1 |
| S 2 | 1 6 5 | 14°39'39 | 9♉26 | 26°31 | 0♎43 | 23°21 | 13♉55 | 19♒27 | 29♊12 | 1°41 | 21♈42 | 12°D40 | 13°49 | 20°11 | 14° 0 | S 2 |
| M 3 | 1 10 2 | 15°39'24 | 21°35 | 28° 4 | 0°16 | 23°52 | 13°49 | 19°25 | 29°11 | 1°42 | 21°41 | 12♉40 | 13°46 | 20°18 | 14° 2 | M 3 |
| T 4 | 1 13 59 | 16°39'11 | 3♊35 | 29°36 | 29♍51 | 24°21 | 13°42 | 19°24 | 29°11 | 1°44 | 21°40 | 12°42 | 13°43 | 20°24 | 14° 4 | T 4 |
| W 5 | 1 17 55 | 17°39'01 | 15°27 | 1♏ 7 | 29°28 | 24°51 | 13°36 | 19°22 | 29°11 | 1°46 | 21°39 | 12°43 | 13°40 | 20°31 | 14° 5 | W 5 |
| T 6 | 1 21 52 | 18°38'52 | 27°16 | 2°38 | 29° 7 | 25°21 | 13°29 | 19°21 | 29°11 | 1°47 | 21°38 | 12°45 | 13°36 | 20°38 | 14° 6 | T 6 |
| F 7 | 1 25 48 | 19°38'46 | 9♋ 7 | 4° 8 | 28°49 | 25°50 | 13°22 | 19°20 | 29°10 | 1°49 | 21°37 | 12°46 | 13°33 | 20°45 | 14° 7 | F 7 |
| S 8 | 1 29 45 | 20°38'43 | 21° 4 | 5°38 | 28°33 | 26°19 | 13°15 | 19°19 | 29°10 | 1°51 | 21°36 | 12°R47 | 13°30 | 20°51 | 14° 9 | S 8 |
| S 9 | 1 33 41 | 21°38'41 | 3♌12 | 7° 7 | 28°19 | 26°48 | 13° 8 | 19°18 | 29° 9 | 1°52 | 21°34 | 12°46 | 13°27 | 20°58 | 14°10 | S 9 |
| M10 | 1 37 38 | 22°38'42 | 15°36 | 8°36 | 28° 8 | 27°16 | 13° 1 | 19°17 | 29° 9 | 1°54 | 21°33 | 12°45 | 13°24 | 21° 5 | 14°10 | M10 |
| T 11 | 1 41 34 | 23°38'44 | 28°20 | 10° 4 | 28° 0 | 27°45 | 12°54 | 19°16 | 29° 8 | 1°55 | 21°32 | 12°43 | 13°21 | 21°11 | 14°11 | T 11 |
| W12 | 1 45 31 | 24°38'49 | 11♍27 | 11°31 | 27°54 | 28°13 | 12°47 | 19°16 | 29° 7 | 1°57 | 21°31 | 12°40 | 13°17 | 21°18 | 14°12 | W12 |
| T 13 | 1 49 28 | 25°38'56 | 24°58 | 12°58 | 27°50 | 28°40 | 12°39 | 19°15 | 29° 7 | 1°58 | 21°30 | 12°37 | 13°14 | 21°25 | 14°13 | T 13 |
| F 14 | 1 53 24 | 26°39'05 | 8♎52 | 14°24 | 27°D49 | 29° 8 | 12°32 | 19°15 | 29° 6 | 2° 0 | 21°29 | 12°35 | 13°11 | 21°31 | 14°13 | F 14 |
| S 15 | 1 57 21 | 27°39'16 | 23° 7 | 15°50 | 27°50 | 29°35 | 12°24 | 19°14 | 29° 5 | 2° 1 | 21°28 | 12°34 | 13° 8 | 21°38 | 14°14 | S 15 |
| S 16 | 2 1 17 | 28°39'29 | 7♏37 | 17°14 | 27°54 | 0♌ 2 | 12°16 | 19°14 | 29° 4 | 2° 3 | 21°27 | 12°D33 | 13° 5 | 21°45 | 14°14 | S 16 |
| M17 | 2 5 14 | 29°39'44 | 22°18 | 18°38 | 27°59 | 0°29 | 12° 8 | 19°14 | 29° 3 | 2° 4 | 21°25 | 12°33 | 13° 1 | 21°51 | 14°14 | M17 |
| T 18 | 2 9 10 | 0♏40'00 | 7♐ 1 | 20° 2 | 28° 8 | 0°55 | 12° 1 | 19°D14 | 29° 2 | 2° 6 | 21°24 | 12°34 | 12°58 | 21°58 | 14°15 | T 18 |
| W19 | 2 13 7 | 1°40'19 | 21°42 | 21°24 | 28°18 | 1°22 | 11°53 | 19°14 | 29° 1 | 2° 7 | 21°23 | 12°35 | 12°55 | 22° 5 | 14°R15 | W19 |
| T 20 | 2 17 3 | 2°40'38 | 6♑13 | 22°46 | 28°31 | 1°47 | 11°45 | 19°14 | 29° 0 | 2° 8 | 21°22 | 12°36 | 12°52 | 22°11 | 14°15 | T 20 |
| F 21 | 2 21 0 | 3°41'00 | 20°31 | 24° 6 | 28°45 | 2°13 | 11°37 | 19°15 | 28°59 | 2° 9 | 21°21 | 12°36 | 12°49 | 22°18 | 14°15 | F 21 |
| S 22 | 2 24 57 | 4°41'22 | 4♒34 | 25°25 | 29° 2 | 2°38 | 11°29 | 19°15 | 28°58 | 2°11 | 21°20 | 12°R36 | 12°46 | 22°25 | 14°14 | S 22 |
| S 23 | 2 28 53 | 5°41'46 | 18°20 | 26°43 | 29°21 | 3° 3 | 11°20 | 19°16 | 28°57 | 2°12 | 21°19 | 12°36 | 12°42 | 22°31 | 14°14 | S 23 |
| M24 | 2 32 50 | 6°42'11 | 1♓50 | 28° 0 | 29°42 | 3°28 | 11°12 | 19°16 | 28°56 | 2°13 | 21°18 | 12°36 | 12°39 | 22°38 | 14°14 | M24 |
| T 25 | 2 36 46 | 7°42'38 | 15° 3 | 29°15 | 0♎ 4 | 3°52 | 11° 4 | 19°17 | 28°54 | 2°14 | 21°17 | 12°35 | 12°36 | 22°45 | 14°13 | T 25 |
| W26 | 2 40 43 | 8°43'06 | 28° 2 | 0♐28 | 0°29 | 4°16 | 10°56 | 19°18 | 28°53 | 2°15 | 21°15 | 12°35 | 12°33 | 22°51 | 14°13 | W26 |
| T 27 | 2 44 39 | 9°43'35 | 10♈47 | 1°39 | 0°55 | 4°40 | 10°48 | 19°19 | 28°52 | 2°16 | 21°14 | 12°34 | 12°30 | 22°58 | 14°12 | T 27 |
| F 28 | 2 48 36 | 10°44'06 | 23°19 | 2°48 | 1°23 | 5° 3 | 10°40 | 19°20 | 28°50 | 2°18 | 21°13 | 12°34 | 12°26 | 23° 5 | 14°11 | F 28 |
| S 29 | 2 52 32 | 11°44'39 | 5♉40 | 3°54 | 1°52 | 5°26 | 10°31 | 19°21 | 28°49 | 2°19 | 21°12 | 12°34 | 12°23 | 23°11 | 14°10 | S 29 |
| S 30 | 2 56 29 | 12°45'13 | 17°51 | 4°57 | 2°23 | 5°49 | 10°23 | 19°22 | 28°47 | 2°20 | 21°11 | 12°34 | 12°20 | 23°18 | 14° 9 | S 30 |
| M31 | 3 0 26 | 13♏45'49 | 29♉53 | 5♐58 | 2♎56 | 6♌11 | 10♉15 | 19♒23 | 28♊45 | 2♍21 | 21♈10 | 12♉34 | 12♉17 | 23♊25 | 14♋ 8 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s25 | 9n 9 | 1s25 | 10s10 | 0s29 | 6s36 | 6s41 | 22n42 | 1n 6 | 14n52 | 1s19 | 16s38 | 1s40 | 23n47 | 0n14 | 11n45 | 0n52 | 7s21 | 17s 6 | 15n43 | 16n 5 | 26n13 | 16n48 | 6s 3 |
| S 2 | 5 48 | 14 25 | 0 18 | 10 51 | 0 36 | 6 13 | 6 29 | 22 38 | 1 7 | 14 50 | 1 19 | 16 39 | 1 40 | 23 47 | 0 14 | 11 44 | 0 52 | 7 22 | 17 6 | 15 43 | 16 4 | 26 14 | 16 47 | 6 4 |
| M 3 | 6 11 | 19 2 | 0n49 | 11 30 | 0 43 | 5 50 | 6 16 | 22 34 | 1 9 | 14 48 | 1 19 | 16 39 | 1 40 | 23 47 | 0 14 | 11 43 | 0 52 | 7 22 | 17 6 | 15 43 | 16 3 | 26 16 | 16 46 | 6 4 |
| T 4 | 6 35 | 22 49 | 1 53 | 12 9 | 0 50 | 5 28 | 6 2 | 22 30 | 1 10 | 14 46 | 1 19 | 16 39 | 1 40 | 23 47 | 0 14 | 11 43 | 0 52 | 7 23 | 17 6 | 15 43 | 16 2 | 26 17 | 16 46 | 6 5 |
| W 5 | 6 58 | 25 35 | 2 51 | 12 48 | 0 56 | 5 6 | 5 48 | 22 26 | 1 11 | 14 44 | 1 19 | 16 40 | 1 40 | 23 47 | 0 14 | 11 42 | 0 52 | 7 23 | 17 6 | 15 44 | 16 1 | 26 18 | 16 45 | 6 6 |
| T 6 | 7 20 | 27 13 | 3 41 | 13 26 | 1 3 | 4 45 | 5 35 | 22 22 | 1 13 | 14 42 | 1 19 | 16 40 | 1 40 | 23 47 | 0 14 | 11 42 | 0 52 | 7 24 | 17 6 | 15 44 | 16 0 | 26 19 | 16 44 | 6 6 |
| F 7 | 7 43 | 27 37 | 4 23 | 14 3 | 1 9 | 4 25 | 5 20 | 22 18 | 1 14 | 14 40 | 1 19 | 16 40 | 1 40 | 23 47 | 0 14 | 11 41 | 0 52 | 7 24 | 17 6 | 15 45 | 15 59 | 26 20 | 16 43 | 6 7 |
| S 8 | 8 6 | 26 43 | 4 53 | 14 39 | 1 16 | 4 6 | 5 6 | 22 14 | 1 16 | 14 38 | 1 19 | 16 41 | 1 40 | 23 47 | 0 14 | 11 41 | 0 52 | 7 24 | 17 6 | 15 45 | 15 58 | 26 22 | 16 43 | 6 7 |
| S 9 | 8 29 | 24 34 | 5 11 | 15 15 | 1 22 | 3 47 | 4 52 | 22 10 | 1 17 | 14 36 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 40 | 0 52 | 7 25 | 17 6 | 15 45 | 15 57 | 26 23 | 16 42 | 6 8 |
| M10 | 8 51 | 21 15 | 5 15 | 15 50 | 1 28 | 3 29 | 4 37 | 22 5 | 1 19 | 14 34 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 39 | 0 52 | 7 25 | 17 6 | 15 44 | 15 56 | 26 24 | 16 41 | 6 9 |
| T 11 | 9 13 | 16 51 | 5 4 | 16 24 | 1 34 | 3 13 | 4 23 | 22 1 | 1 20 | 14 32 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 39 | 0 52 | 7 26 | 17 6 | 15 44 | 15 55 | 26 25 | 16 40 | 6 9 |
| W12 | 9 36 | 11 34 | 4 37 | 16 57 | 1 40 | 2 57 | 4 8 | 21 57 | 1 21 | 14 29 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 38 | 0 52 | 7 26 | 17 6 | 15 43 | 15 54 | 26 26 | 16 40 | 6 10 |
| T 13 | 9 58 | 5 35 | 3 54 | 17 29 | 1 46 | 2 42 | 3 54 | 21 53 | 1 23 | 14 27 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 38 | 0 52 | 7 26 | 17 6 | 15 42 | 15 53 | 26 27 | 16 39 | 6 11 |
| F 14 | 10 20 | 0s50 | 2 56 | 18 0 | 1 51 | 2 29 | 3 40 | 21 49 | 1 24 | 14 25 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 37 | 0 52 | 7 27 | 17 6 | 15 41 | 15 52 | 26 28 | 16 38 | 6 11 |
| S 15 | 10 41 | 7 24 | 1 46 | 18 31 | 1 57 | 2 16 | 3 26 | 21 44 | 1 26 | 14 23 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 37 | 0 52 | 7 27 | 17 6 | 15 41 | 15 51 | 26 30 | 16 38 | 6 12 |
| S 16 | 11 3 | 13 42 | 0 27 | 19 0 | 2 2 | 2 5 | 3 12 | 21 40 | 1 28 | 14 20 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 36 | 0 52 | 7 27 | 17 6 | 15 41 | 15 50 | 26 31 | 16 37 | 6 13 |
| M17 | 11 24 | 19 18 | 0s54 | 19 29 | 2 7 | 1 55 | 2 58 | 21 36 | 1 29 | 14 18 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 36 | 0 52 | 7 28 | 17 5 | 15 41 | 15 49 | 26 32 | 16 36 | 6 13 |
| T 18 | 11 46 | 23 45 | 2 12 | 19 56 | 2 11 | 1 46 | 2 44 | 21 31 | 1 31 | 14 16 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 35 | 0 52 | 7 28 | 17 5 | 15 41 | 15 48 | 26 33 | 16 36 | 6 14 |
| W19 | 12 7 | 26 38 | 3 20 | 20 23 | 2 16 | 1 38 | 2 31 | 21 27 | 1 32 | 14 13 | 1 19 | 16 41 | 1 39 | 23 47 | 0 14 | 11 35 | 0 52 | 7 28 | 17 5 | 15 41 | 15 48 | 26 34 | 16 35 | 6 15 |
| T 20 | 12 28 | 27 40 | 4 16 | 20 48 | 2 20 | 1 31 | 2 18 | 21 23 | 1 34 | 14 11 | 1 19 | 16 41 | 1 38 | 23 47 | 0 14 | 11 35 | 0 52 | 7 29 | 17 5 | 15 42 | 15 47 | 26 35 | 16 34 | 6 15 |
| F 21 | 12 48 | 26 49 | 4 54 | 21 12 | 2 23 | 1 25 | 2 5 | 21 19 | 1 35 | 14 8 | 1 19 | 16 41 | 1 38 | 23 47 | 0 14 | 11 34 | 0 52 | 7 29 | 17 5 | 15 42 | 15 46 | 26 36 | 16 34 | 6 16 |
| S 22 | 13 9 | 24 18 | 5 14 | 21 35 | 2 27 | 1 20 | 1 52 | 21 14 | 1 37 | 14 6 | 1 19 | 16 41 | 1 38 | 23 47 | 0 14 | 11 34 | 0 52 | 7 29 | 17 5 | 15 42 | 15 45 | 26 37 | 16 33 | 6 16 |
| S 23 | 13 29 | 20 24 | 5 16 | 21 57 | 2 30 | 1 16 | 1 40 | 21 10 | 1 39 | 14 4 | 1 19 | 16 40 | 1 38 | 23 47 | 0 14 | 11 33 | 0 52 | 7 30 | 17 5 | 15 42 | 15 44 | 26 38 | 16 33 | 6 17 |
| M24 | 13 49 | 15 32 | 5 0 | 22 17 | 2 32 | 1 13 | 1 28 | 21 6 | 1 40 | 14 1 | 1 19 | 16 40 | 1 38 | 23 47 | 0 14 | 11 33 | 0 52 | 7 30 | 17 5 | 15 42 | 15 43 | 26 39 | 16 32 | 6 18 |
| T 25 | 14 9 | 10 2 | 4 28 | 22 36 | 2 35 | 1 12 | 1 16 | 21 2 | 1 42 | 13 59 | 1 19 | 16 40 | 1 38 | 23 47 | 0 14 | 11 33 | 0 52 | 7 30 | 17 5 | 15 41 | 15 42 | 26 40 | 16 31 | 6 18 |
| W26 | 14 29 | 4 11 | 3 43 | 22 53 | 2 36 | 1 11 | 1 5 | 20 58 | 1 44 | 13 56 | 1 19 | 16 39 | 1 38 | 23 47 | 0 14 | 11 32 | 0 52 | 7 31 | 17 5 | 15 41 | 15 41 | 26 41 | 16 31 | 6 19 |
| T 27 | 14 48 | 1n43 | 2 47 | 23 10 | 2 37 | 1 11 | 0 54 | 20 54 | 1 45 | 13 54 | 1 18 | 16 39 | 1 38 | 23 47 | 0 14 | 11 32 | 0 52 | 7 31 | 17 4 | 15 41 | 15 40 | 26 43 | 16 30 | 6 20 |
| F 28 | 15 7 | 7 29 | 1 45 | 23 24 | 2 38 | 1 12 | 0 43 | 20 50 | 1 47 | 13 51 | 1 18 | 16 38 | 1 38 | 23 47 | 0 14 | 11 31 | 0 52 | 7 31 | 17 4 | 15 41 | 15 39 | 26 44 | 16 30 | 6 20 |
| S 29 | 15 26 | 12 53 | 0 38 | 23 37 | 2 38 | 1 15 | 0 32 | 20 46 | 1 49 | 13 49 | 1 18 | 16 38 | 1 37 | 23 47 | 0 14 | 11 31 | 0 53 | 7 31 | 17 4 | 15 41 | 15 38 | 26 45 | 16 29 | 6 21 |
| S 30 | 15 44 | 17 42 | 0n29 | 23 48 | 2 37 | 1 18 | 0 22 | 20 42 | 1 51 | 13 46 | 1 18 | 16 38 | 1 37 | 23 47 | 0 14 | 11 31 | 0 53 | 7 32 | 17 4 | 15 41 | 15 37 | 26 46 | 16 29 | 6 21 |
| M31 | 16s 3 | 21n46 | 1n35 | 23s58 | 2s36 | 1s21 | 0s12 | 20n38 | 1n52 | 13n44 | 1s18 | 16s37 | 1s37 | 23n47 | 0n14 | 11n31 | 0n53 | 7s32 | 17s 4 | 15n41 | 15n36 | 26n47 | 16n28 | 6s22 |

Julian Day Number = 2126758.5, Delta T = 17m09s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'35, Lahiri = 11°27'36 Julian Calendar 1 Oct. 1110 == Greg. Calendar 8 Oct. 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## NOVEMBER 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 4 22 | 14♏46'26 | 11♊48 | 6♐54 | 3♎30 | 6♌33 | 10°R 7 | 19♒25 | 28°R44 | 2♍22 | 21°R 9 | 12°R34 | 12♉14 | 23♊31 | 14°R 7 | T 1 |
| W 2 | 3 8 19 | 15°47'05 | 23°39 | 7°46 | 4° 6 | 6°55 | 9♉59 | 19°27 | 28♊42 | 2°22 | 21♈ 8 | 12♉33 | 12°11 | 23°38 | 14♋ 6 | W 2 |
| T 3 | 3 12 15 | 16°47'45 | 5♋28 | 8°34 | 4°43 | 7°16 | 9°51 | 19°28 | 28°41 | 2°23 | 21° 7 | 12°33 | 12° 7 | 23°45 | 14° 5 | T 3 |
| F 4 | 3 16 12 | 17°48'27 | 17°19 | 9°16 | 5°21 | 7°37 | 9°43 | 19°30 | 28°39 | 2°24 | 21° 6 | 12°32 | 12° 4 | 23°51 | 14° 3 | F 4 |
| S 5 | 3 20 8 | 18°49'11 | 29°15 | 9°51 | 6° 0 | 7°57 | 9°35 | 19°32 | 28°37 | 2°25 | 21° 5 | 12°32 | 12° 1 | 23°58 | 14° 2 | S 5 |
| S 6 | 3 24 5 | 19°49'56 | 11♌21 | 10°21 | 6°41 | 8°17 | 9°27 | 19°34 | 28°35 | 2°26 | 21° 4 | 12°31 | 11°58 | 24° 5 | 14° 0 | S 6 |
| M 7 | 3 28 1 | 20°50'43 | 23°41 | 10°42 | 7°23 | 8°37 | 9°19 | 19°36 | 28°33 | 2°27 | 21° 3 | 12°D31 | 11°55 | 24°12 | 13°59 | M 7 |
| T 8 | 3 31 58 | 21°51'32 | 6♍19 | 10°55 | 8° 6 | 8°56 | 9°11 | 19°38 | 28°31 | 2°27 | 21° 2 | 12°31 | 11°52 | 24°18 | 13°57 | T 8 |
| W 9 | 3 35 55 | 22°52'22 | 19°20 | 10°R59 | 8°50 | 9°14 | 9° 3 | 19°40 | 28°29 | 2°28 | 21° 1 | 12°32 | 11°48 | 24°25 | 13°55 | W 9 |
| T 10 | 3 39 51 | 23°53'13 | 2♎47 | 10°54 | 9°35 | 9°33 | 8°56 | 19°43 | 28°28 | 2°29 | 21° 0 | 12°33 | 11°45 | 24°32 | 13°53 | T 10 |
| F 11 | 3 43 48 | 24°54'06 | 16°40 | 10°37 | 10°22 | 9°50 | 8°48 | 19°45 | 28°26 | 2°29 | 20°59 | 12°34 | 11°42 | 24°38 | 13°51 | F 11 |
| S 12 | 3 47 44 | 25°55'00 | 1♏ 0 | 10°10 | 11° 9 | 10° 8 | 8°41 | 19°48 | 28°23 | 2°30 | 20°59 | 12°35 | 11°39 | 24°45 | 13°49 | S 12 |
| S 13 | 3 51 41 | 26°55'56 | 15°43 | 9°31 | 11°57 | 10°24 | 8°33 | 19°50 | 28°21 | 2°30 | 20°58 | 12°R35 | 11°36 | 24°52 | 13°47 | S 13 |
| M14 | 3 55 37 | 27°56'53 | 0♐42 | 8°42 | 12°46 | 10°41 | 8°26 | 19°53 | 28°19 | 2°31 | 20°57 | 12°35 | 11°32 | 24°58 | 13°44 | M14 |
| T 15 | 3 59 34 | 28°57'51 | 15°49 | 7°42 | 13°36 | 10°57 | 8°19 | 19°56 | 28°17 | 2°31 | 20°56 | 12°33 | 11°29 | 25° 5 | 13°42 | T 15 |
| W16 | 4 3 30 | 29°58'50 | 0♑55 | 6°34 | 14°26 | 11°12 | 8°12 | 19°59 | 28°15 | 2°32 | 20°55 | 12°31 | 11°26 | 25°12 | 13°40 | W16 |
| T 17 | 4 7 27 | 0♐59'50 | 15°50 | 5°18 | 15°18 | 11°27 | 8° 5 | 20° 2 | 28°13 | 2°32 | 20°54 | 12°29 | 11°23 | 25°18 | 13°37 | T 17 |
| F 18 | 4 11 24 | 2° 0'50 | 0♒28 | 3°57 | 16°10 | 11°41 | 7°58 | 20° 5 | 28°11 | 2°33 | 20°53 | 12°26 | 11°20 | 25°25 | 13°35 | F 18 |
| S 19 | 4 15 20 | 3° 1'51 | 14°43 | 2°35 | 17° 2 | 11°55 | 7°51 | 20° 8 | 28° 8 | 2°33 | 20°53 | 12°24 | 11°17 | 25°32 | 13°32 | S 19 |
| S 20 | 4 19 17 | 4° 2'53 | 28°34 | 1°12 | 17°56 | 12° 8 | 7°45 | 20°12 | 28° 6 | 2°33 | 20°52 | 12°D23 | 11°13 | 25°38 | 13°29 | S 20 |
| M21 | 4 23 13 | 5° 3'55 | 12♓ 0 | 29♏53 | 18°50 | 12°20 | 7°38 | 20°15 | 28° 4 | 2°34 | 20°51 | 12°23 | 11°10 | 25°45 | 13°26 | M21 |
| T 22 | 4 27 10 | 6° 4'58 | 25° 4 | 28°40 | 19°45 | 12°32 | 7°32 | 20°19 | 28° 1 | 2°34 | 20°50 | 12°24 | 11° 7 | 25°52 | 13°24 | T 22 |
| W23 | 4 31 6 | 7° 6'01 | 7♈49 | 27°35 | 20°41 | 12°44 | 7°26 | 20°22 | 27°59 | 2°34 | 20°49 | 12°26 | 11° 4 | 25°58 | 13°21 | W23 |
| T 24 | 4 35 3 | 8° 7'05 | 20°17 | 26°39 | 21°37 | 12°55 | 7°20 | 20°26 | 27°57 | 2°34 | 20°49 | 12°28 | 11° 1 | 26° 5 | 13°18 | T 24 |
| F 25 | 4 38 59 | 9° 8'10 | 2♉33 | 25°54 | 22°33 | 13° 5 | 7°14 | 20°30 | 27°54 | 2°34 | 20°48 | 12°29 | 10°58 | 26°12 | 13°15 | F 25 |
| S 26 | 4 42 56 | 10° 9'14 | 14°40 | 25°20 | 23°31 | 13°15 | 7° 8 | 20°34 | 27°52 | 2°35 | 20°47 | 12°R30 | 10°54 | 26°18 | 13°11 | S 26 |
| S 27 | 4 46 53 | 11°10'20 | 26°39 | 24°57 | 24°29 | 13°24 | 7° 3 | 20°38 | 27°49 | 2°35 | 20°47 | 12°29 | 10°51 | 26°25 | 13° 8 | S 27 |
| M28 | 4 50 49 | 12°11'26 | 8♊33 | 24°45 | 25°27 | 13°32 | 6°57 | 20°42 | 27°47 | 2°35 | 20°46 | 12°26 | 10°48 | 26°32 | 13° 5 | M28 |
| T 29 | 4 54 46 | 13°12'33 | 20°24 | 24°D44 | 26°26 | 13°40 | 6°52 | 20°46 | 27°45 | 2°R35 | 20°45 | 12°22 | 10°45 | 26°39 | 13° 2 | T 29 |
| W30 | 4 58 42 | 14♐13'40 | 2♋15 | 24♏52 | 27♎25 | 13♌47 | 6♉47 | 20♒50 | 27♊42 | 2♍35 | 20♈45 | 12♉16 | 10♉42 | 26♊45 | 12♋58 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s21 | 24n53 | 2n35 | 24s 5 | 2s33 | 1s26 | 0s 2 | 20n34 | 1n54 | 13n41 | 1s18 | 16s36 | 1s37 | 23n47 | 0n14 | 11n30 | 0n53 | 7s32 | 17s 4 | 15n41 | 15n35 | 26n48 | 16n28 | 6s23 |
| W 2 | 16 39 | 26 53 | 3 29 | 24 11 | 2 30 | 1 32 | 0n 7 | 20 30 | 1 56 | 13 39 | 1 18 | 16 36 | 1 37 | 23 47 | 0 14 | 11 30 | 0 53 | 7 32 | 17 4 | 15 41 | 15 34 | 26 49 | 16 27 | 6 23 |
| T 3 | 16 56 | 27 40 | 4 13 | 24 14 | 2 26 | 1 38 | 0 16 | 20 27 | 1 58 | 13 37 | 1 18 | 16 35 | 1 37 | 23 47 | 0 14 | 11 30 | 0 53 | 7 32 | 17 3 | 15 41 | 15 33 | 26 50 | 16 27 | 6 24 |
| F 4 | 17 13 | 27 10 | 4 47 | 24 16 | 2 21 | 1 45 | 0 25 | 20 23 | 2 0 | 13 34 | 1 17 | 16 35 | 1 37 | 23 47 | 0 14 | 11 29 | 0 53 | 7 33 | 17 3 | 15 41 | 15 32 | 26 51 | 16 26 | 6 24 |
| S 5 | 17 30 | 25 26 | 5 9 | 24 15 | 2 14 | 1 53 | 0 33 | 20 20 | 2 2 | 13 32 | 1 17 | 16 34 | 1 37 | 23 47 | 0 14 | 11 29 | 0 53 | 7 33 | 17 3 | 15 40 | 15 31 | 26 52 | 16 26 | 6 25 |
| S 6 | 17 47 | 22 32 | 5 17 | 24 12 | 2 7 | 2 2 | 0 42 | 20 16 | 2 4 | 13 30 | 1 17 | 16 33 | 1 37 | 23 47 | 0 14 | 11 29 | 0 53 | 7 33 | 17 3 | 15 40 | 15 30 | 26 53 | 16 25 | 6 26 |
| M 7 | 18 3 | 18 35 | 5 11 | 24 6 | 1 58 | 2 11 | 0 49 | 20 13 | 2 5 | 13 27 | 1 17 | 16 32 | 1 37 | 23 47 | 0 14 | 11 29 | 0 53 | 7 33 | 17 3 | 15 40 | 15 29 | 26 53 | 16 25 | 6 26 |
| T 8 | 18 19 | 13 44 | 4 50 | 23 58 | 1 48 | 2 21 | 0 57 | 20 10 | 2 7 | 13 25 | 1 17 | 16 32 | 1 36 | 23 47 | 0 14 | 11 28 | 0 53 | 7 33 | 17 3 | 15 40 | 15 28 | 26 54 | 16 25 | 6 27 |
| W 9 | 18 35 | 8 8 | 4 14 | 23 47 | 1 36 | 2 32 | 1 5 | 20 7 | 2 9 | 13 23 | 1 17 | 16 31 | 1 36 | 23 47 | 0 14 | 11 28 | 0 53 | 7 33 | 17 2 | 15 41 | 15 27 | 26 55 | 16 24 | 6 27 |
| T 10 | 18 50 | 2 0 | 3 23 | 23 33 | 1 23 | 2 43 | 1 12 | 20 4 | 2 11 | 13 20 | 1 16 | 16 30 | 1 36 | 23 47 | 0 14 | 11 28 | 0 53 | 7 34 | 17 2 | 15 41 | 15 26 | 26 56 | 16 24 | 6 28 |
| F 11 | 19 5 | 4s27 | 2 19 | 23 16 | 1 8 | 2 55 | 1 19 | 20 1 | 2 13 | 13 18 | 1 16 | 16 29 | 1 36 | 23 47 | 0 14 | 11 28 | 0 53 | 7 34 | 17 2 | 15 41 | 15 25 | 26 57 | 16 23 | 6 28 |
| S 12 | 19 20 | 10 53 | 1 4 | 22 56 | 0 52 | 3 8 | 1 25 | 19 58 | 2 15 | 13 16 | 1 16 | 16 28 | 1 36 | 23 47 | 0 14 | 11 28 | 0 53 | 7 34 | 17 2 | 15 41 | 15 24 | 26 58 | 16 23 | 6 29 |
| S 13 | 19 34 | 16 54 | 0s17 | 22 33 | 0 34 | 3 21 | 1 31 | 19 55 | 2 17 | 13 14 | 1 16 | 16 27 | 1 36 | 23 47 | 0 14 | 11 27 | 0 53 | 7 34 | 17 1 | 15 41 | 15 23 | 26 59 | 16 23 | 6 30 |
| M14 | 19 48 | 22 0 | 1 39 | 22 7 | 0 15 | 3 34 | 1 38 | 19 53 | 2 20 | 13 11 | 1 16 | 16 26 | 1 36 | 23 47 | 0 14 | 11 27 | 0 53 | 7 34 | 17 1 | 15 41 | 15 22 | 27 0 | 16 22 | 6 30 |
| T 15 | 20 2 | 25 40 | 2 54 | 21 38 | 0n 4 | 3 48 | 1 43 | 19 50 | 2 22 | 13 9 | 1 15 | 16 25 | 1 36 | 23 47 | 0 14 | 11 27 | 0 53 | 7 34 | 17 1 | 15 41 | 15 21 | 27 1 | 16 22 | 6 31 |
| W16 | 20 15 | 27 30 | 3 56 | 21 6 | 0 25 | 4 3 | 1 49 | 19 48 | 2 24 | 13 7 | 1 15 | 16 24 | 1 36 | 23 47 | 0 14 | 11 27 | 0 53 | 7 34 | 17 1 | 15 40 | 15 20 | 27 2 | 16 22 | 6 31 |
| T 17 | 20 28 | 27 17 | 4 42 | 20 33 | 0 45 | 4 18 | 1 54 | 19 46 | 2 26 | 13 5 | 1 15 | 16 23 | 1 36 | 23 47 | 0 15 | 11 27 | 0 53 | 7 34 | 17 1 | 15 39 | 15 19 | 27 3 | 16 22 | 6 32 |
| F 18 | 20 40 | 25 10 | 5 9 | 19 59 | 1 5 | 4 33 | 2 0 | 19 44 | 2 28 | 13 3 | 1 15 | 16 22 | 1 35 | 23 47 | 0 15 | 11 27 | 0 53 | 7 34 | 17 0 | 15 39 | 15 18 | 27 4 | 16 21 | 6 32 |
| S 19 | 20 52 | 21 31 | 5 15 | 19 24 | 1 24 | 4 49 | 2 4 | 19 42 | 2 30 | 13 1 | 1 15 | 16 21 | 1 35 | 23 47 | 0 15 | 11 27 | 0 53 | 7 34 | 17 0 | 15 38 | 15 17 | 27 4 | 16 21 | 6 33 |
| S 20 | 21 4 | 16 46 | 5 3 | 18 50 | 1 42 | 5 5 | 2 9 | 19 41 | 2 32 | 12 59 | 1 14 | 16 20 | 1 35 | 23 47 | 0 15 | 11 27 | 0 53 | 7 35 | 17 0 | 15 38 | 15 16 | 27 5 | 16 21 | 6 33 |
| M21 | 21 15 | 11 19 | 4 34 | 18 17 | 1 59 | 5 21 | 2 14 | 19 39 | 2 35 | 12 57 | 1 14 | 16 19 | 1 35 | 23 47 | 0 15 | 11 27 | 0 53 | 7 35 | 17 0 | 15 38 | 15 15 | 27 6 | 16 21 | 6 34 |
| T 22 | 21 26 | 5 31 | 3 52 | 17 48 | 2 13 | 5 38 | 2 18 | 19 38 | 2 37 | 12 56 | 1 14 | 16 17 | 1 35 | 23 47 | 0 15 | 11 27 | 0 53 | 7 35 | 16 59 | 15 38 | 15 14 | 27 7 | 16 21 | 6 34 |
| W23 | 21 36 | 0n22 | 2 59 | 17 22 | 2 25 | 5 55 | 2 22 | 19 37 | 2 39 | 12 54 | 1 14 | 16 16 | 1 35 | 23 47 | 0 15 | 11 26 | 0 54 | 7 35 | 16 59 | 15 39 | 15 13 | 27 8 | 16 20 | 6 35 |
| T 24 | 21 46 | 6 8 | 1 59 | 16 59 | 2 35 | 6 13 | 2 26 | 19 36 | 2 41 | 12 52 | 1 13 | 16 15 | 1 35 | 23 47 | 0 15 | 11 26 | 0 54 | 7 35 | 16 59 | 15 39 | 15 12 | 27 9 | 16 20 | 6 35 |
| F 25 | 21 56 | 11 34 | 0 54 | 16 42 | 2 42 | 6 31 | 2 29 | 19 35 | 2 44 | 12 50 | 1 13 | 16 14 | 1 35 | 23 47 | 0 15 | 11 26 | 0 54 | 7 35 | 16 58 | 15 40 | 15 11 | 27 9 | 16 20 | 6 36 |
| S 26 | 22 5 | 16 30 | 0n12 | 16 29 | 2 48 | 6 49 | 2 32 | 19 34 | 2 46 | 12 49 | 1 13 | 16 12 | 1 35 | 23 47 | 0 15 | 11 26 | 0 54 | 7 35 | 16 58 | 15 40 | 15 10 | 27 10 | 16 20 | 6 36 |
| S 27 | 22 14 | 20 45 | 1 17 | 16 20 | 2 51 | 7 7 | 2 36 | 19 34 | 2 48 | 12 47 | 1 13 | 16 11 | 1 35 | 23 47 | 0 15 | 11 26 | 0 54 | 7 35 | 16 58 | 15 39 | 15 9 | 27 11 | 16 20 | 6 36 |
| M28 | 22 22 | 24 6 | 2 18 | 16 16 | 2 53 | 7 26 | 2 39 | 19 34 | 2 51 | 12 46 | 1 12 | 16 9 | 1 35 | 23 47 | 0 15 | 11 26 | 0 54 | 7 35 | 16 58 | 15 39 | 15 8 | 27 12 | 16 20 | 6 37 |
| T 29 | 22 30 | 26 25 | 3 13 | 16 15 | 2 52 | 7 44 | 2 41 | 19 34 | 2 53 | 12 44 | 1 12 | 16 8 | 1 34 | 23 47 | 0 15 | 11 27 | 0 54 | 7 35 | 16 57 | 15 37 | 15 7 | 27 13 | 16 20 | 6 37 |
| W30 | 22s37 | 27n31 | 3n59 | 16s19 | 2n51 | 8s 3 | 2n44 | 19n34 | 2n55 | 12n43 | 1s12 | 16s 7 | 1s34 | 23n47 | 0n15 | 11n27 | 0n54 | 7s34 | 16s57 | 15n36 | 15n 6 | 27n13 | 16n19 | 6s38 |

Julian Day Number = 2126789.5, Delta T = 17m08s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'40, Lahiri = 11°27'40 Julian Calendar 1 Nov. 1110 == Greg. Calendar 8 Nov. 1110


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# ASTRODIENST EPHEMERIS for the year 1110
# geocentric

## DECEMBER 1110 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 2 39 | 15♐14'48 | 14♋ 6 | 25♏ 9 | 28♎25 | 13♌53 | 6°R42 | 20♒54 | 27°R40 | 2°R35 | 20°R44 | 12°R10 | 10♉38 | 26♊52 | 12°R55 | T 1 |
| F 2 | 5 6 35 | 16°15'56 | 25°59 | 25°34 | 29°25 | 13°59 | 6♉37 | 20°59 | 27♊37 | 2♍34 | 20♈44 | 12♉ 4 | 10°35 | 26°59 | 12♋51 | F 2 |
| S 3 | 5 10 32 | 17°17'05 | 7♌58 | 26° 6 | 0♏26 | 14° 4 | 6°33 | 21° 3 | 27°34 | 2°34 | 20°43 | 11°58 | 10°32 | 27° 5 | 12°48 | S 3 |
| S 4 | 5 14 29 | 18°18'15 | 20° 5 | 26°45 | 1°27 | 14° 8 | 6°29 | 21° 8 | 27°32 | 2°34 | 20°42 | 11°53 | 10°29 | 27°12 | 12°44 | S 4 |
| M 5 | 5 18 25 | 19°19'25 | 2♍23 | 27°29 | 2°29 | 14°12 | 6°24 | 21°12 | 27°29 | 2°34 | 20°42 | 11°49 | 10°26 | 27°19 | 12°40 | M 5 |
| T 6 | 5 22 22 | 20°20'36 | 14°56 | 28°19 | 3°31 | 14°15 | 6°20 | 21°17 | 27°27 | 2°34 | 20°41 | 11°D48 | 10°23 | 27°25 | 12°37 | T 6 |
| W 7 | 5 26 18 | 21°21'47 | 27°49 | 29°13 | 4°33 | 14°17 | 6°17 | 21°22 | 27°24 | 2°33 | 20°41 | 11°48 | 10°19 | 27°32 | 12°33 | W 7 |
| T 8 | 5 30 15 | 22°22'59 | 11♎ 5 | 0♐11 | 5°36 | 14°18 | 6°13 | 21°27 | 27°22 | 2°33 | 20°40 | 11°49 | 10°16 | 27°39 | 12°29 | T 8 |
| F 9 | 5 34 11 | 23°24'11 | 24°48 | 1°13 | 6°39 | 14°R19 | 6°10 | 21°32 | 27°19 | 2°33 | 20°40 | 11°50 | 10°13 | 27°45 | 12°25 | F 9 |
| S 10 | 5 38 8 | 24°25'24 | 8♏58 | 2°18 | 7°42 | 14°18 | 6° 6 | 21°37 | 27°17 | 2°32 | 20°40 | 11°R51 | 10°10 | 27°52 | 12°21 | S 10 |
| S 11 | 5 42 4 | 25°26'37 | 23°34 | 3°26 | 8°46 | 14°17 | 6° 4 | 21°42 | 27°14 | 2°32 | 20°39 | 11°51 | 10° 7 | 27°59 | 12°17 | S 11 |
| M12 | 5 46 1 | 26°27'51 | 8♐33 | 4°36 | 9°50 | 14°16 | 6° 1 | 21°47 | 27°11 | 2°32 | 20°39 | 11°48 | 10° 4 | 28° 5 | 12°13 | M12 |
| T 13 | 5 49 58 | 27°29'05 | 23°48 | 5°49 | 10°54 | 14°13 | 5°58 | 21°52 | 27° 9 | 2°31 | 20°38 | 11°43 | 10° 0 | 28°12 | 12° 9 | T 13 |
| W14 | 5 53 54 | 28°30'18 | 9♑ 7 | 7° 3 | 11°59 | 14°10 | 5°56 | 21°57 | 27° 6 | 2°31 | 20°38 | 11°37 | 9°57 | 28°19 | 12° 5 | W14 |
| T 15 | 5 57 51 | 29°31'32 | 24°20 | 8°19 | 13° 4 | 14° 5 | 5°54 | 22° 3 | 27° 4 | 2°30 | 20°38 | 11°29 | 9°54 | 28°26 | 12° 1 | T 15 |
| F 16 | 6 1 47 | 0♑32'46 | 9♒16 | 9°37 | 14° 9 | 14° 0 | 5°52 | 22° 8 | 27° 1 | 2°30 | 20°38 | 11°21 | 9°51 | 28°32 | 11°57 | F 16 |
| S 17 | 6 5 44 | 1°33'59 | 23°48 | 10°56 | 15°14 | 13°55 | 5°50 | 22°14 | 26°58 | 2°29 | 20°37 | 11°15 | 9°48 | 28°39 | 11°53 | S 17 |
| S 18 | 6 9 40 | 2°35'11 | 7♓51 | 12°17 | 16°20 | 13°48 | 5°48 | 22°19 | 26°56 | 2°28 | 20°37 | 11°10 | 9°44 | 28°46 | 11°49 | S 18 |
| M19 | 6 13 37 | 3°36'23 | 21°25 | 13°38 | 17°26 | 13°41 | 5°47 | 22°25 | 26°53 | 2°28 | 20°37 | 11° 7 | 9°41 | 28°52 | 11°45 | M19 |
| T 20 | 6 17 33 | 4°37'35 | 4♈31 | 15° 1 | 18°32 | 13°32 | 5°46 | 22°31 | 26°51 | 2°27 | 20°37 | 11°D 6 | 9°38 | 28°59 | 11°41 | T 20 |
| W21 | 6 21 30 | 5°38'46 | 17°13 | 16°24 | 19°39 | 13°23 | 5°45 | 22°36 | 26°48 | 2°26 | 20°36 | 11° 7 | 9°35 | 29° 6 | 11°36 | W21 |
| T 22 | 6 25 27 | 6°39'56 | 29°35 | 17°48 | 20°45 | 13°13 | 5°44 | 22°42 | 26°46 | 2°25 | 20°36 | 11° 8 | 9°32 | 29°12 | 11°32 | T 22 |
| F 23 | 6 29 23 | 7°41'06 | 11♉43 | 19°14 | 21°52 | 13° 3 | 5°44 | 22°48 | 26°43 | 2°25 | 20°36 | 11°R 8 | 9°29 | 29°19 | 11°28 | F 23 |
| S 24 | 6 33 20 | 8°42'15 | 23°41 | 20°39 | 22°59 | 12°51 | 5°43 | 22°54 | 26°41 | 2°24 | 20°36 | 11° 7 | 9°25 | 29°26 | 11°24 | S 24 |
| S 25 | 6 37 16 | 9°43'24 | 5♊33 | 22° 6 | 24° 6 | 12°39 | 5°D43 | 23° 0 | 26°38 | 2°23 | 20°36 | 11° 4 | 9°22 | 29°32 | 11°19 | S 25 |
| M26 | 6 41 13 | 10°44'32 | 17°22 | 23°34 | 25°14 | 12°26 | 5°43 | 23° 6 | 26°36 | 2°22 | 20°36 | 10°58 | 9°19 | 29°39 | 11°15 | M26 |
| T 27 | 6 45 9 | 11°45'39 | 29°12 | 25° 2 | 26°21 | 12°12 | 5°44 | 23°12 | 26°33 | 2°21 | 20°36 | 10°50 | 9°16 | 29°46 | 11°11 | T 27 |
| W28 | 6 49 6 | 12°46'46 | 11♋ 4 | 26°30 | 27°29 | 11°58 | 5°44 | 23°18 | 26°31 | 2°20 | 20°36 | 10°39 | 9°13 | 29°53 | 11° 7 | W28 |
| T 29 | 6 53 3 | 13°47'53 | 22°59 | 28° 0 | 28°37 | 11°42 | 5°45 | 23°24 | 26°28 | 2°19 | 20°D36 | 10°26 | 9°10 | 29°59 | 11° 2 | T 29 |
| F 30 | 6 56 59 | 14°48'58 | 5♌ 0 | 29°29 | 29°45 | 11°26 | 5°46 | 23°31 | 26°26 | 2°18 | 20°36 | 10°13 | 9° 6 | 0♋ 6 | 10°58 | F 30 |
| S 31 | 7 0 56 | 15♑50'04 | 17♌ 6 | 1♑ 0 | 0♐54 | 11♌10 | 5♉47 | 23♒37 | 26♊23 | 2♍17 | 20♈36 | 10♉ 1 | 9♉ 3 | 0♋13 | 10♋54 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s44 | 27n22 | 4n35 | 16s26 | 2n48 | 8s22 | 2n46 | 19n34 | 2n58 | 12n42 | 1s12 | 16s 5 | 1s34 | 23n47 | 0n15 | 11n27 | 0n54 | 7s34 | 16s57 | 15n34 | 15n 5 | 27n14 | 16n19 | 6s38 |
| F 2 | 22 51 | 25 57 | 4 59 | 16 35 | 2 44 | 8 42 | 2 49 | 19 35 | 3 0 | 12 40 | 1 11 | 16 4 | 1 34 | 23 47 | 0 15 | 11 27 | 0 54 | 7 34 | 16 56 | 15 32 | 15 4 | 27 15 | 16 19 | 6 38 |
| S 3 | 22 57 | 23 21 | 5 10 | 16 47 | 2 39 | 9 1 | 2 51 | 19 36 | 3 3 | 12 39 | 1 11 | 16 2 | 1 34 | 23 47 | 0 15 | 11 27 | 0 54 | 7 34 | 16 56 | 15 30 | 15 3 | 27 16 | 16 19 | 6 39 |
| S 4 | 23 2 | 19 43 | 5 8 | 17 2 | 2 34 | 9 21 | 2 52 | 19 37 | 3 5 | 12 38 | 1 11 | 16 1 | 1 34 | 23 47 | 0 15 | 11 27 | 0 54 | 7 34 | 16 56 | 15 28 | 15 2 | 27 17 | 16 19 | 6 39 |
| M 5 | 23 7 | 15 12 | 4 51 | 17 18 | 2 28 | 9 40 | 2 54 | 19 38 | 3 7 | 12 37 | 1 10 | 15 59 | 1 34 | 23 47 | 0 15 | 11 27 | 0 54 | 7 34 | 16 55 | 15 27 | 15 1 | 27 17 | 16 19 | 6 39 |
| T 6 | 23 12 | 9 58 | 4 21 | 17 35 | 2 21 | 10 0 | 2 55 | 19 40 | 3 10 | 12 36 | 1 10 | 15 57 | 1 34 | 23 47 | 0 15 | 11 27 | 0 54 | 7 34 | 16 55 | 15 27 | 15 0 | 27 18 | 16 19 | 6 40 |
| W 7 | 23 16 | 4 10 | 3 36 | 17 54 | 2 14 | 10 19 | 2 57 | 19 42 | 3 12 | 12 35 | 1 10 | 15 56 | 1 34 | 23 47 | 0 15 | 11 27 | 0 54 | 7 34 | 16 55 | 15 27 | 14 59 | 27 19 | 16 19 | 6 40 |
| T 8 | 23 20 | 1s58 | 2 39 | 18 14 | 2 7 | 10 39 | 2 58 | 19 43 | 3 15 | 12 34 | 1 10 | 15 54 | 1 34 | 23 47 | 0 15 | 11 27 | 0 54 | 7 34 | 16 54 | 15 27 | 14 58 | 27 20 | 16 19 | 6 40 |
| F 9 | 23 23 | 8 14 | 1 31 | 18 34 | 1 59 | 10 59 | 2 59 | 19 46 | 3 17 | 12 33 | 1 9 | 15 52 | 1 34 | 23 47 | 0 15 | 11 28 | 0 54 | 7 34 | 16 54 | 15 28 | 14 57 | 27 20 | 16 19 | 6 41 |
| S 10 | 23 26 | 14 18 | 0 16 | 18 55 | 1 51 | 11 19 | 3 0 | 19 48 | 3 20 | 12 32 | 1 9 | 15 51 | 1 34 | 23 47 | 0 15 | 11 28 | 0 54 | 7 33 | 16 54 | 15 28 | 14 56 | 27 21 | 16 19 | 6 41 |
| S 11 | 23 29 | 19 46 | 1s 3 | 19 16 | 1 43 | 11 39 | 3 0 | 19 51 | 3 22 | 12 31 | 1 9 | 15 49 | 1 34 | 23 46 | 0 15 | 11 28 | 0 54 | 7 33 | 16 53 | 15 28 | 14 55 | 27 22 | 16 19 | 6 41 |
| M12 | 23 31 | 24 8 | 2 19 | 19 37 | 1 35 | 11 58 | 3 1 | 19 54 | 3 25 | 12 31 | 1 8 | 15 47 | 1 33 | 23 46 | 0 15 | 11 28 | 0 54 | 7 33 | 16 53 | 15 27 | 14 54 | 27 22 | 16 19 | 6 42 |
| T 13 | 23 32 | 26 51 | 3 27 | 19 58 | 1 26 | 12 18 | 3 1 | 19 57 | 3 27 | 12 30 | 1 8 | 15 46 | 1 33 | 23 46 | 0 15 | 11 28 | 0 54 | 7 33 | 16 53 | 15 26 | 14 53 | 27 23 | 16 20 | 6 42 |
| W14 | 23 33 | 27 34 | 4 20 | 20 19 | 1 18 | 12 38 | 3 1 | 20 0 | 3 30 | 12 30 | 1 8 | 15 44 | 1 33 | 23 46 | 0 15 | 11 29 | 0 54 | 7 33 | 16 52 | 15 23 | 14 52 | 27 24 | 16 20 | 6 42 |
| T 15 | 23 33 | 26 10 | 4 54 | 20 39 | 1 10 | 12 57 | 3 1 | 20 4 | 3 32 | 12 29 | 1 8 | 15 42 | 1 33 | 23 46 | 0 15 | 11 29 | 0 54 | 7 32 | 16 52 | 15 21 | 14 51 | 27 24 | 16 20 | 6 42 |
| F 16 | 23 33 | 22 57 | 5 7 | 20 59 | 1 2 | 13 17 | 3 1 | 20 8 | 3 35 | 12 29 | 1 7 | 15 40 | 1 33 | 23 46 | 0 15 | 11 29 | 0 54 | 7 32 | 16 52 | 15 19 | 14 50 | 27 25 | 16 20 | 6 43 |
| S 17 | 23 33 | 18 22 | 5 0 | 21 19 | 0 53 | 13 36 | 3 1 | 20 12 | 3 37 | 12 29 | 1 7 | 15 38 | 1 33 | 23 46 | 0 15 | 11 29 | 0 54 | 7 32 | 16 51 | 15 17 | 14 49 | 27 26 | 16 20 | 6 43 |
| S 18 | 23 32 | 12 54 | 4 35 | 21 38 | 0 45 | 13 55 | 3 1 | 20 16 | 3 40 | 12 28 | 1 7 | 15 36 | 1 33 | 23 46 | 0 15 | 11 29 | 0 55 | 7 32 | 16 51 | 15 15 | 14 48 | 27 26 | 16 20 | 6 43 |
| M19 | 23 30 | 7 1 | 3 55 | 21 56 | 0 37 | 14 14 | 3 0 | 20 21 | 3 42 | 12 28 | 1 6 | 15 34 | 1 33 | 23 46 | 0 15 | 11 30 | 0 55 | 7 32 | 16 51 | 15 14 | 14 47 | 27 27 | 16 20 | 6 43 |
| T 20 | 23 28 | 1 0 | 3 4 | 22 14 | 0 29 | 14 33 | 3 0 | 20 25 | 3 45 | 12 28 | 1 6 | 15 33 | 1 33 | 23 46 | 0 15 | 11 30 | 0 55 | 7 31 | 16 50 | 15 14 | 14 46 | 27 28 | 16 21 | 6 43 |
| W21 | 23 26 | 4n52 | 2 5 | 22 31 | 0 21 | 14 52 | 2 59 | 20 30 | 3 47 | 12 28 | 1 6 | 15 31 | 1 33 | 23 46 | 0 15 | 11 30 | 0 55 | 7 31 | 16 50 | 15 14 | 14 45 | 27 28 | 16 21 | 6 43 |
| T 22 | 23 23 | 10 25 | 1 2 | 22 47 | 0 13 | 15 10 | 2 58 | 20 36 | 3 50 | 12 28 | 1 5 | 15 29 | 1 33 | 23 46 | 0 15 | 11 31 | 0 55 | 7 31 | 16 50 | 15 14 | 14 44 | 27 29 | 16 21 | 6 44 |
| F 23 | 23 20 | 15 28 | 0n 3 | 23 2 | 0 5 | 15 28 | 2 57 | 20 41 | 3 52 | 12 28 | 1 5 | 15 27 | 1 33 | 23 46 | 0 15 | 11 31 | 0 55 | 7 31 | 16 49 | 15 15 | 14 43 | 27 29 | 16 21 | 6 44 |
| S 24 | 23 16 | 19 52 | 1 7 | 23 16 | 0s 2 | 15 46 | 2 56 | 20 47 | 3 54 | 12 28 | 1 5 | 15 25 | 1 33 | 23 46 | 0 15 | 11 31 | 0 55 | 7 30 | 16 49 | 15 14 | 14 42 | 27 30 | 16 21 | 6 44 |
| S 25 | 23 12 | 23 25 | 2 7 | 23 29 | 0 10 | 16 4 | 2 55 | 20 52 | 3 56 | 12 29 | 1 5 | 15 23 | 1 33 | 23 46 | 0 15 | 11 32 | 0 55 | 7 30 | 16 49 | 15 13 | 14 41 | 27 31 | 16 22 | 6 44 |
| M26 | 23 7 | 25 57 | 3 1 | 23 41 | 0 17 | 16 22 | 2 53 | 20 58 | 3 59 | 12 29 | 1 4 | 15 21 | 1 33 | 23 46 | 0 15 | 11 32 | 0 55 | 7 30 | 16 48 | 15 11 | 14 40 | 27 31 | 16 22 | 6 44 |
| T 27 | 23 2 | 27 20 | 3 47 | 23 52 | 0 24 | 16 39 | 2 52 | 21 4 | 4 1 | 12 29 | 1 4 | 15 19 | 1 33 | 23 46 | 0 15 | 11 32 | 0 55 | 7 29 | 16 48 | 15 9 | 14 39 | 27 32 | 16 22 | 6 44 |
| W28 | 22 56 | 27 28 | 4 24 | 24 2 | 0 31 | 16 56 | 2 50 | 21 10 | 4 3 | 12 30 | 1 4 | 15 16 | 1 33 | 23 46 | 0 15 | 11 33 | 0 55 | 7 29 | 16 47 | 15 5 | 14 38 | 27 32 | 16 23 | 6 44 |
| T 29 | 22 50 | 26 20 | 4 49 | 24 11 | 0 38 | 17 13 | 2 49 | 21 17 | 4 5 | 12 30 | 1 3 | 15 14 | 1 33 | 23 46 | 0 15 | 11 33 | 0 55 | 7 29 | 16 47 | 15 1 | 14 37 | 27 33 | 16 23 | 6 44 |
| F 30 | 22 44 | 23 58 | 5 1 | 24 18 | 0 45 | 17 29 | 2 47 | 21 23 | 4 7 | 12 31 | 1 3 | 15 12 | 1 33 | 23 45 | 0 15 | 11 33 | 0 55 | 7 28 | 16 47 | 14 57 | 14 36 | 27 34 | 16 23 | 6 44 |
| S 31 | 22s37 | 20n32 | 5n 0 | 24s24 | 0s51 | 17s45 | 2n45 | 21n30 | 4n 9 | 12n32 | 1s 3 | 15s10 | 1s33 | 23n45 | 0n15 | 11n34 | 0n55 | 7s28 | 16s46 | 14n53 | 14n35 | 27n34 | 16n23 | 6s44 |

Julian Day Number = 2126819.5, Delta T = 17m08s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'44, Lahiri = 11°27'44 Julian Calendar 1 Dec. 1110 == Greg. Calendar 8 Dec. 1110


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## JANUARY 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 4 52 | 16♉51'08 | 29♌21 | 2♉31 | 2♐ 2 | 10°R52 | 5♋48 | 23♒43 | 26°R21 | 2°R16 | 20♈36 | 9°R50 | 9♋ 0 | 0♋19 | 10°R50 | S 1 |
| M 2 | 7 8 49 | 17°52'12 | 11♍45 | 4° 3 | 3°11 | 10♌34 | 5°50 | 23°50 | 26♊19 | 2♍15 | 20°36 | 9♋42 | 8°57 | 0°26 | 10♋45 | M 2 |
| T 3 | 7 12 45 | 18°53'16 | 24°21 | 5°35 | 4°20 | 10°15 | 5°52 | 23°56 | 26°16 | 2°14 | 20°36 | 9°37 | 8°54 | 0°33 | 10°41 | T 3 |
| W 4 | 7 16 42 | 19°54'18 | 7♎12 | 7° 8 | 5°29 | 9°56 | 5°54 | 24° 3 | 26°14 | 2°13 | 20°36 | 9°34 | 8°50 | 0°39 | 10°37 | W 4 |
| T 5 | 7 20 38 | 20°55'21 | 20°22 | 8°42 | 6°38 | 9°36 | 5°56 | 24° 9 | 26°12 | 2°12 | 20°36 | 9°D33 | 8°47 | 0°46 | 10°33 | T 5 |
| F 6 | 7 24 35 | 21°56'23 | 3♏53 | 10°16 | 7°47 | 9°16 | 5°58 | 24°16 | 26° 9 | 2°11 | 20°36 | 9°R34 | 8°44 | 0°53 | 10°29 | F 6 |
| S 7 | 7 28 32 | 22°57'24 | 17°48 | 11°50 | 8°57 | 8°55 | 6° 1 | 24°22 | 26° 7 | 2°10 | 20°36 | 9°33 | 8°41 | 1° 0 | 10°25 | S 7 |
| S 8 | 7 32 28 | 23°58'25 | 2♐ 8 | 13°26 | 10° 6 | 8°33 | 6° 3 | 24°29 | 26° 5 | 2° 8 | 20°37 | 9°32 | 8°38 | 1° 6 | 10°20 | S 8 |
| M 9 | 7 36 25 | 24°59'25 | 16°51 | 15° 2 | 11°16 | 8°11 | 6° 6 | 24°36 | 26° 3 | 2° 7 | 20°37 | 9°27 | 8°35 | 1°13 | 10°16 | M 9 |
| T 10 | 7 40 21 | 26° 0'24 | 1♑53 | 16°39 | 12°25 | 7°49 | 6° 9 | 24°43 | 26° 1 | 2° 6 | 20°37 | 9°20 | 8°31 | 1°20 | 10°12 | T 10 |
| W11 | 7 44 18 | 27° 1'22 | 17° 5 | 18°16 | 13°35 | 7°26 | 6°13 | 24°49 | 25°58 | 2° 5 | 20°37 | 9°11 | 8°28 | 1°26 | 10° 8 | W11 |
| T 12 | 7 48 14 | 28° 2'20 | 2♒17 | 19°54 | 14°45 | 7° 3 | 6°16 | 24°56 | 25°56 | 2° 3 | 20°38 | 8°59 | 8°25 | 1°33 | 10° 4 | T 12 |
| F 13 | 7 52 11 | 29° 3'16 | 17°18 | 21°33 | 15°55 | 6°40 | 6°20 | 25° 3 | 25°54 | 2° 2 | 20°38 | 8°47 | 8°22 | 1°40 | 10° 0 | F 13 |
| S 14 | 7 56 7 | 0♒ 4'11 | 1♓58 | 23°12 | 17° 6 | 6°16 | 6°24 | 25°10 | 25°52 | 2° 1 | 20°38 | 8°37 | 8°19 | 1°46 | 9°56 | S 14 |
| S 15 | 8 0 4 | 1° 5'04 | 16°11 | 24°52 | 18°16 | 5°53 | 6°28 | 25°17 | 25°50 | 1°59 | 20°39 | 8°28 | 8°16 | 1°53 | 9°53 | S 15 |
| M16 | 8 4 1 | 2° 5'56 | 29°53 | 26°33 | 19°26 | 5°29 | 6°32 | 25°24 | 25°48 | 1°58 | 20°39 | 8°22 | 8°12 | 2° 0 | 9°49 | M16 |
| T 17 | 8 7 57 | 3° 6'47 | 13♈ 7 | 28°15 | 20°37 | 5° 5 | 6°37 | 25°31 | 25°46 | 1°56 | 20°40 | 8°19 | 8° 9 | 2° 6 | 9°45 | T 17 |
| W18 | 8 11 54 | 4° 7'36 | 25°53 | 29°57 | 21°47 | 4°41 | 6°41 | 25°38 | 25°44 | 1°55 | 20°40 | 8°18 | 8° 6 | 2°13 | 9°41 | W18 |
| T 19 | 8 15 50 | 5° 8'23 | 8♉18 | 1♒40 | 22°58 | 4°17 | 6°46 | 25°45 | 25°43 | 1°54 | 20°40 | 8°18 | 8° 3 | 2°20 | 9°38 | T 19 |
| F 20 | 8 19 47 | 6° 9'09 | 20°26 | 3°24 | 24° 9 | 3°53 | 6°51 | 25°52 | 25°41 | 1°52 | 20°41 | 8°18 | 8° 0 | 2°27 | 9°34 | F 20 |
| S 21 | 8 23 43 | 7° 9'54 | 2♊22 | 5° 9 | 25°19 | 3°29 | 6°56 | 25°59 | 25°39 | 1°51 | 20°41 | 8°16 | 7°56 | 2°33 | 9°30 | S 21 |
| S 22 | 8 27 40 | 8°10'36 | 14°12 | 6°55 | 26°30 | 3° 5 | 7° 2 | 26° 6 | 25°37 | 1°49 | 20°42 | 8°12 | 7°53 | 2°40 | 9°27 | S 22 |
| M23 | 8 31 36 | 9°11'18 | 26° 0 | 8°41 | 27°41 | 2°42 | 7° 7 | 26°13 | 25°36 | 1°48 | 20°42 | 8° 5 | 7°50 | 2°47 | 9°23 | M23 |
| T 24 | 8 35 33 | 10°11'57 | 7♋51 | 10°28 | 28°52 | 2°18 | 7°13 | 26°20 | 25°34 | 1°46 | 20°43 | 7°55 | 7°47 | 2°53 | 9°20 | T 24 |
| W25 | 8 39 30 | 11°12'35 | 19°46 | 12°16 | 0♑ 3 | 1°55 | 7°19 | 26°28 | 25°32 | 1°45 | 20°44 | 7°43 | 7°44 | 3° 0 | 9°17 | W25 |
| T 26 | 8 43 26 | 12°13'11 | 1♌48 | 14° 5 | 1°14 | 1°32 | 7°25 | 26°35 | 25°31 | 1°43 | 20°44 | 7°29 | 7°41 | 3° 7 | 9°13 | T 26 |
| F 27 | 8 47 23 | 13°13'46 | 13°59 | 15°54 | 2°26 | 1°10 | 7°31 | 26°42 | 25°29 | 1°42 | 20°45 | 7°14 | 7°37 | 3°13 | 9°10 | F 27 |
| S 28 | 8 51 19 | 14°14'19 | 26°18 | 17°44 | 3°37 | 0°48 | 7°37 | 26°49 | 25°28 | 1°40 | 20°45 | 7° 0 | 7°34 | 3°20 | 9° 7 | S 28 |
| S 29 | 8 55 16 | 15°14'51 | 8♍47 | 19°35 | 4°48 | 0°26 | 7°44 | 26°57 | 25°26 | 1°38 | 20°46 | 6°48 | 7°31 | 3°27 | 9° 4 | S 29 |
| M30 | 8 59 12 | 16°15'21 | 21°25 | 21°26 | 6° 0 | 0° 5 | 7°51 | 27° 4 | 25°25 | 1°37 | 20°47 | 6°38 | 7°28 | 3°34 | 9° 1 | M30 |
| T 31 | 9 3 9 | 17♒15'49 | 4♎14 | 23♒18 | 7♑11 | 29♋45 | 7♋57 | 27♒11 | 25♊24 | 1♍35 | 20♈47 | 6♋32 | 7♋25 | 3♋40 | 8♋58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s29 | 16n12 | 4n45 | 24s29 | 0s57 | 18s 1 | 2n43 | 21n37 | 4n11 | 12n32 | 1s 2 | 15s 8 | 1s33 | 23n45 | 0n15 | 11n34 | 0n55 | 7s28 | 16s46 | 14n50 | 14n34 | 27n35 | 16n24 | 6s44 |
| M 2 | 22 21 | 11 9 | 4 17 | 24 33 | 1 3 | 18 16 | 2 41 | 21 44 | 4 13 | 12 33 | 1 2 | 15 6 | 1 32 | 23 45 | 0 15 | 11 35 | 0 55 | 7 27 | 16 46 | 14 47 | 14 33 | 27 35 | 16 24 | 6 44 |
| T 3 | 22 13 | 5 33 | 3 36 | 24 35 | 1 9 | 18 31 | 2 39 | 21 51 | 4 15 | 12 34 | 1 2 | 15 4 | 1 32 | 23 45 | 0 15 | 11 35 | 0 55 | 7 27 | 16 45 | 14 46 | 14 32 | 27 36 | 16 24 | 6 44 |
| W 4 | 22 4 | 0s23 | 2 43 | 24 36 | 1 15 | 18 45 | 2 36 | 21 58 | 4 17 | 12 35 | 1 2 | 15 1 | 1 32 | 23 45 | 0 15 | 11 36 | 0 55 | 7 27 | 16 45 | 14 45 | 14 31 | 27 36 | 16 25 | 6 44 |
| T 5 | 21 55 | 6 27 | 1 40 | 24 36 | 1 20 | 18 59 | 2 34 | 22 5 | 4 18 | 12 36 | 1 1 | 14 59 | 1 32 | 23 45 | 0 15 | 11 36 | 0 55 | 7 26 | 16 45 | 14 45 | 14 30 | 27 37 | 16 25 | 6 44 |
| F 6 | 21 46 | 12 24 | 0 30 | 24 34 | 1 25 | 19 13 | 2 32 | 22 12 | 4 20 | 12 37 | 1 1 | 14 57 | 1 32 | 23 45 | 0 15 | 11 36 | 0 55 | 7 26 | 16 44 | 14 45 | 14 29 | 27 37 | 16 25 | 6 44 |
| S 7 | 21 36 | 17 55 | 0s44 | 24 31 | 1 30 | 19 26 | 2 29 | 22 19 | 4 21 | 12 38 | 1 1 | 14 55 | 1 32 | 23 45 | 0 15 | 11 37 | 0 55 | 7 25 | 16 44 | 14 45 | 14 28 | 27 38 | 16 26 | 6 44 |
| S 8 | 21 25 | 22 36 | 1 57 | 24 26 | 1 34 | 19 39 | 2 27 | 22 26 | 4 23 | 12 39 | 1 0 | 14 52 | 1 32 | 23 45 | 0 15 | 11 37 | 0 55 | 7 25 | 16 44 | 14 44 | 14 27 | 27 38 | 16 26 | 6 44 |
| M 9 | 21 14 | 25 57 | 3 4 | 24 20 | 1 38 | 19 52 | 2 24 | 22 33 | 4 24 | 12 41 | 1 0 | 14 50 | 1 32 | 23 45 | 0 15 | 11 38 | 0 55 | 7 25 | 16 43 | 14 43 | 14 26 | 27 39 | 16 27 | 6 44 |
| T 10 | 21 3 | 27 32 | 3 59 | 24 12 | 1 42 | 20 4 | 2 21 | 22 40 | 4 25 | 12 42 | 1 0 | 14 48 | 1 32 | 23 45 | 0 15 | 11 38 | 0 55 | 7 24 | 16 43 | 14 41 | 14 25 | 27 39 | 16 27 | 6 44 |
| W11 | 20 51 | 27 4 | 4 39 | 24 3 | 1 46 | 20 15 | 2 19 | 22 47 | 4 27 | 12 43 | 0 59 | 14 46 | 1 32 | 23 45 | 0 15 | 11 39 | 0 55 | 7 24 | 16 42 | 14 37 | 14 24 | 27 40 | 16 27 | 6 44 |
| T 12 | 20 39 | 24 35 | 4 58 | 23 53 | 1 49 | 20 26 | 2 16 | 22 54 | 4 28 | 12 45 | 0 59 | 14 43 | 1 32 | 23 45 | 0 15 | 11 39 | 0 55 | 7 23 | 16 42 | 14 34 | 14 23 | 27 40 | 16 28 | 6 44 |
| F 13 | 20 27 | 20 26 | 4 57 | 23 40 | 1 52 | 20 36 | 2 13 | 23 1 | 4 28 | 12 46 | 0 59 | 14 41 | 1 32 | 23 45 | 0 15 | 11 40 | 0 55 | 7 23 | 16 42 | 14 30 | 14 22 | 27 40 | 16 28 | 6 43 |
| S 14 | 20 14 | 15 7 | 4 36 | 23 27 | 1 55 | 20 46 | 2 10 | 23 8 | 4 29 | 12 48 | 0 59 | 14 39 | 1 32 | 23 45 | 0 15 | 11 40 | 0 55 | 7 22 | 16 41 | 14 27 | 14 21 | 27 41 | 16 29 | 6 43 |
| S 15 | 20 1 | 9 8 | 3 59 | 23 11 | 1 58 | 20 56 | 2 7 | 23 15 | 4 30 | 12 49 | 0 58 | 14 36 | 1 32 | 23 44 | 0 15 | 11 41 | 0 55 | 7 22 | 16 41 | 14 24 | 14 20 | 27 41 | 16 29 | 6 43 |
| M16 | 19 47 | 2 55 | 3 8 | 22 54 | 2 0 | 21 5 | 2 4 | 23 22 | 4 31 | 12 51 | 0 58 | 14 34 | 1 32 | 23 44 | 0 15 | 11 41 | 0 55 | 7 21 | 16 41 | 14 22 | 14 19 | 27 42 | 16 30 | 6 43 |
| T 17 | 19 33 | 3n13 | 2 9 | 22 35 | 2 1 | 21 13 | 2 1 | 23 28 | 4 31 | 12 53 | 0 58 | 14 32 | 1 32 | 23 44 | 0 15 | 11 42 | 0 56 | 7 21 | 16 40 | 14 21 | 14 18 | 27 42 | 16 30 | 6 43 |
| W18 | 19 19 | 9 2 | 1 5 | 22 15 | 2 2 | 21 21 | 1 57 | 23 34 | 4 31 | 12 55 | 0 57 | 14 29 | 1 32 | 23 44 | 0 15 | 11 42 | 0 56 | 7 20 | 16 40 | 14 20 | 14 17 | 27 43 | 16 31 | 6 43 |
| T 19 | 19 5 | 14 20 | 0n 0 | 21 53 | 2 3 | 21 28 | 1 54 | 23 41 | 4 32 | 12 56 | 0 57 | 14 27 | 1 32 | 23 44 | 0 15 | 11 43 | 0 56 | 7 20 | 16 40 | 14 20 | 14 16 | 27 43 | 16 31 | 6 42 |
| F 20 | 18 50 | 18 58 | 1 4 | 21 30 | 2 4 | 21 35 | 1 51 | 23 47 | 4 32 | 12 58 | 0 57 | 14 24 | 1 32 | 23 44 | 0 15 | 11 44 | 0 56 | 7 19 | 16 39 | 14 20 | 14 15 | 27 43 | 16 32 | 6 42 |
| S 21 | 18 34 | 22 45 | 2 4 | 21 4 | 2 4 | 21 41 | 1 48 | 23 52 | 4 32 | 13 0 | 0 57 | 14 22 | 1 32 | 23 44 | 0 15 | 11 44 | 0 56 | 7 19 | 16 39 | 14 20 | 14 13 | 27 44 | 16 32 | 6 42 |
| S 22 | 18 19 | 25 33 | 2 57 | 20 37 | 2 3 | 21 46 | 1 44 | 23 58 | 4 32 | 13 2 | 0 56 | 14 19 | 1 32 | 23 44 | 0 15 | 11 45 | 0 56 | 7 18 | 16 39 | 14 19 | 14 12 | 27 44 | 16 32 | 6 42 |
| M23 | 18 3 | 27 13 | 3 43 | 20 9 | 2 2 | 21 51 | 1 41 | 24 4 | 4 32 | 13 4 | 0 56 | 14 17 | 1 32 | 23 44 | 0 15 | 11 45 | 0 56 | 7 18 | 16 38 | 14 16 | 14 11 | 27 45 | 16 33 | 6 41 |
| T 24 | 17 46 | 27 39 | 4 20 | 19 38 | 2 1 | 21 56 | 1 38 | 24 9 | 4 32 | 13 7 | 0 56 | 14 15 | 1 32 | 23 44 | 0 15 | 11 46 | 0 56 | 7 17 | 16 38 | 14 13 | 14 10 | 27 45 | 16 33 | 6 41 |
| W25 | 17 30 | 26 47 | 4 45 | 19 6 | 1 59 | 21 59 | 1 34 | 24 14 | 4 31 | 13 9 | 0 56 | 14 12 | 1 32 | 23 44 | 0 15 | 11 46 | 0 56 | 7 17 | 16 38 | 14 9 | 14 9 | 27 45 | 16 34 | 6 41 |
| T 26 | 17 13 | 24 41 | 4 58 | 18 33 | 1 57 | 22 2 | 1 31 | 24 19 | 4 31 | 13 11 | 0 55 | 14 10 | 1 32 | 23 44 | 0 15 | 11 47 | 0 56 | 7 16 | 16 37 | 14 5 | 14 8 | 27 46 | 16 35 | 6 40 |
| F 27 | 16 56 | 21 27 | 4 57 | 17 58 | 1 54 | 22 5 | 1 27 | 24 23 | 4 30 | 13 13 | 0 55 | 14 7 | 1 32 | 23 44 | 0 15 | 11 48 | 0 56 | 7 16 | 16 37 | 14 0 | 14 7 | 27 46 | 16 35 | 6 40 |
| S 28 | 16 38 | 17 14 | 4 43 | 17 21 | 1 51 | 22 7 | 1 24 | 24 27 | 4 29 | 13 16 | 0 55 | 14 5 | 1 32 | 23 44 | 0 15 | 11 48 | 0 56 | 7 15 | 16 37 | 13 55 | 14 6 | 27 46 | 16 36 | 6 40 |
| S 29 | 16 21 | 12 15 | 4 15 | 16 42 | 1 47 | 22 8 | 1 20 | 24 31 | 4 29 | 13 18 | 0 54 | 14 2 | 1 32 | 23 44 | 0 15 | 11 49 | 0 56 | 7 15 | 16 36 | 13 51 | 14 5 | 27 47 | 16 36 | 6 40 |
| M30 | 16 2 | 6 41 | 3 34 | 16 2 | 1 42 | 22 9 | 1 17 | 24 35 | 4 28 | 13 20 | 0 54 | 14 0 | 1 32 | 23 44 | 0 15 | 11 49 | 0 56 | 7 14 | 16 36 | 13 48 | 14 4 | 27 47 | 16 37 | 6 39 |
| T 31 | 15s44 | 0n47 | 2n41 | 15s20 | 1s37 | 22s 9 | 1n13 | 24n39 | 4n27 | 13n23 | 0s54 | 13s57 | 1s32 | 23n44 | 0n15 | 11n50 | 0n56 | 7s14 | 16s36 | 13n46 | 14n 3 | 27n47 | 16n37 | 6s39 |

Julian Day Number = 2126850.5, Delta T = 17m08s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'48, Lahiri = 11°27'49 Julian Calendar 1 Jan. 1111 == Greg. Calendar 8 Jan. 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## FEBRUARY 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 7 5 | 18♒16'17 | 17♎15 | 25♒10 | 8♑23 | 29°R25 | 8♉ 4 | 27♒18 | 25°R22 | 1°R34 | 20♈48 | 6°R28 | 7♉22 | 3♋47 | 8°R55 | W 1 |
| T 2 | 9 11 2 | 19°16'42 | 0♏29 | 27° 3 | 9°34 | 29♋ 5 | 8°12 | 27°26 | 25♊21 | 1♍32 | 20°49 | 6♉27 | 7°18 | 3°54 | 8♋52 | T 2 |
| F 3 | 9 14 59 | 20°17'07 | 13°59 | 28°55 | 10°46 | 28°46 | 8°19 | 27°33 | 25°20 | 1°30 | 20°50 | 6°27 | 7°15 | 4° 0 | 8°49 | F 3 |
| S 4 | 9 18 55 | 21°17'30 | 27°47 | 0♓47 | 11°58 | 28°28 | 8°26 | 27°40 | 25°19 | 1°29 | 20°50 | 6°27 | 7°12 | 4° 7 | 8°46 | S 4 |
| S 5 | 9 22 52 | 22°17'52 | 11♐53 | 2°39 | 13° 9 | 28°10 | 8°34 | 27°48 | 25°18 | 1°27 | 20°51 | 6°26 | 7° 9 | 4°14 | 8°44 | S 5 |
| M 6 | 9 26 48 | 23°18'12 | 26°17 | 4°31 | 14°21 | 27°53 | 8°42 | 27°55 | 25°17 | 1°25 | 20°52 | 6°22 | 7° 6 | 4°20 | 8°41 | M 6 |
| T 7 | 9 30 45 | 24°18'31 | 10♑56 | 6°21 | 15°33 | 27°37 | 8°50 | 28° 3 | 25°16 | 1°24 | 20°53 | 6°16 | 7° 2 | 4°27 | 8°39 | T 7 |
| W 8 | 9 34 41 | 25°18'48 | 25°45 | 8°10 | 16°45 | 27°21 | 8°58 | 28°10 | 25°15 | 1°22 | 20°54 | 6° 7 | 6°59 | 4°34 | 8°37 | W 8 |
| T 9 | 9 38 38 | 26°19'04 | 10♒37 | 9°58 | 17°57 | 27° 6 | 9° 6 | 28°17 | 25°14 | 1°20 | 20°54 | 5°56 | 6°56 | 4°41 | 8°34 | T 9 |
| F 10 | 9 42 34 | 27°19'17 | 25°23 | 11°43 | 19° 9 | 26°52 | 9°14 | 28°25 | 25°13 | 1°19 | 20°55 | 5°45 | 6°53 | 4°47 | 8°32 | F 10 |
| S 11 | 9 46 31 | 28°19'29 | 9♓53 | 13°26 | 20°21 | 26°38 | 9°23 | 28°32 | 25°12 | 1°17 | 20°56 | 5°35 | 6°50 | 4°54 | 8°30 | S 11 |
| S 12 | 9 50 28 | 29°19'39 | 24° 3 | 15° 6 | 21°33 | 26°25 | 9°31 | 28°39 | 25°12 | 1°15 | 20°57 | 5°27 | 6°47 | 5° 1 | 8°28 | S 12 |
| M13 | 9 54 24 | 0♓19'47 | 7♈46 | 16°42 | 22°45 | 26°14 | 9°40 | 28°47 | 25°11 | 1°14 | 20°58 | 5°21 | 6°43 | 5° 7 | 8°26 | M13 |
| T 14 | 9 58 21 | 1°19'53 | 21° 3 | 18°14 | 23°57 | 26° 2 | 9°49 | 28°54 | 25°10 | 1°12 | 20°59 | 5°18 | 6°40 | 5°14 | 8°24 | T 14 |
| W15 | 10 2 17 | 2°19'57 | 3♉54 | 19°41 | 25°10 | 25°52 | 9°58 | 29° 1 | 25°10 | 1°10 | 21° 0 | 5°D17 | 6°37 | 5°21 | 8°22 | W15 |
| T 16 | 10 6 14 | 3°19'58 | 16°23 | 21° 3 | 26°22 | 25°42 | 10° 7 | 29° 9 | 25° 9 | 1° 9 | 21° 1 | 5°17 | 6°34 | 5°27 | 8°21 | T 16 |
| F 17 | 10 10 10 | 4°19'57 | 28°35 | 22°19 | 27°34 | 25°34 | 10°16 | 29°16 | 25° 9 | 1° 7 | 21° 2 | 5°R18 | 6°31 | 5°34 | 8°19 | F 17 |
| S 18 | 10 14 7 | 5°19'55 | 10♊34 | 23°29 | 28°46 | 25°26 | 10°25 | 29°24 | 25° 8 | 1° 5 | 21° 3 | 5°18 | 6°28 | 5°41 | 8°17 | S 18 |
| S 19 | 10 18 3 | 6°19'50 | 22°26 | 24°32 | 29°59 | 25°19 | 10°35 | 29°31 | 25° 8 | 1° 4 | 21° 4 | 5°17 | 6°24 | 5°48 | 8°16 | S 19 |
| M20 | 10 22 0 | 7°19'42 | 4♋16 | 25°28 | 1♒11 | 25°12 | 10°45 | 29°38 | 25° 8 | 1° 2 | 21° 5 | 5°13 | 6°21 | 5°54 | 8°15 | M20 |
| T 21 | 10 25 57 | 8°19'33 | 16° 8 | 26°16 | 2°23 | 25° 7 | 10°54 | 29°46 | 25° 7 | 1° 0 | 21° 6 | 5° 7 | 6°18 | 6° 1 | 8°13 | T 21 |
| W22 | 10 29 53 | 9°19'21 | 28° 7 | 26°56 | 3°36 | 25° 2 | 11° 4 | 29°53 | 25° 7 | 0°59 | 21° 7 | 4°58 | 6°15 | 6° 8 | 8°12 | W22 |
| T 23 | 10 33 50 | 10°19'07 | 10♌16 | 27°28 | 4°48 | 24°58 | 11°14 | 0♓ 0 | 25° 7 | 0°57 | 21° 8 | 4°49 | 6°12 | 6°14 | 8°11 | T 23 |
| F 24 | 10 37 46 | 11°18'51 | 22°36 | 27°51 | 6° 0 | 24°55 | 11°24 | 0° 7 | 25° 7 | 0°55 | 21° 9 | 4°38 | 6° 8 | 6°21 | 8°10 | F 24 |
| S 25 | 10 41 43 | 12°18'33 | 5♍ 9 | 28° 6 | 7°13 | 24°52 | 11°34 | 0°15 | 25°D 7 | 0°54 | 21°10 | 4°29 | 6° 5 | 6°28 | 8° 9 | S 25 |
| S 26 | 10 45 39 | 13°18'13 | 17°54 | 28°R13 | 8°25 | 24°50 | 11°45 | 0°22 | 25° 7 | 0°52 | 21°11 | 4°20 | 6° 2 | 6°35 | 8° 9 | S 26 |
| M27 | 10 49 36 | 14°17'50 | 0♎53 | 28°11 | 9°38 | 24°49 | 11°55 | 0°29 | 25° 7 | 0°51 | 21°13 | 4°13 | 5°59 | 6°41 | 8° 8 | M27 |
| T 28 | 10 53 32 | 15♓17'26 | 14♎ 3 | 28♓ 1 | 10♒50 | 24°D49 | 12♉ 5 | 0♓36 | 25♊ 7 | 0♍49 | 21♈14 | 4♉ 9 | 5♉56 | 6♋48 | 8♋ 7 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s26 | 5s16 | 1n40 | 14s37 | 1s31 | 22s 8 | 1n10 | 24n42 | 4n26 | 13n25 | 0s54 | 13s55 | 1s33 | 23n44 | 0n15 | 11n50 | 0n56 | 7s13 | 16s35 | 13n45 | 14n 2 | 27n47 | 16n38 | 6s39 |
| T 2 | 15 7 | 11 12 | 0 32 | 13 53 | 1 24 | 22 7 | 1 6 | 24 45 | 4 25 | 13 28 | 0 53 | 13 52 | 1 33 | 23 43 | 0 15 | 11 51 | 0 56 | 7 13 | 16 35 | 13 44 | 14 1 | 27 48 | 16 38 | 6 38 |
| F 3 | 14 48 | 16 45 | 0s40 | 13 7 | 1 17 | 22 5 | 1 2 | 24 48 | 4 23 | 13 30 | 0 53 | 13 50 | 1 33 | 23 43 | 0 15 | 11 52 | 0 56 | 7 12 | 16 35 | 13 44 | 14 0 | 27 48 | 16 39 | 6 38 |
| S 4 | 14 28 | 21 33 | 1 50 | 12 20 | 1 10 | 22 2 | 0 59 | 24 51 | 4 22 | 13 33 | 0 53 | 13 47 | 1 33 | 23 43 | 0 15 | 11 52 | 0 56 | 7 11 | 16 34 | 13 44 | 13 59 | 27 48 | 16 39 | 6 37 |
| S 5 | 14 9 | 25 14 | 2 56 | 11 32 | 1 1 | 21 59 | 0 55 | 24 53 | 4 21 | 13 36 | 0 53 | 13 45 | 1 33 | 23 43 | 0 15 | 11 53 | 0 56 | 7 11 | 16 34 | 13 44 | 13 58 | 27 49 | 16 40 | 6 37 |
| M 6 | 13 49 | 27 22 | 3 52 | 10 43 | 0 52 | 21 55 | 0 52 | 24 55 | 4 19 | 13 38 | 0 52 | 13 42 | 1 33 | 23 43 | 0 15 | 11 53 | 0 56 | 7 10 | 16 34 | 13 42 | 13 57 | 27 49 | 16 40 | 6 37 |
| T 7 | 13 29 | 27 38 | 4 33 | 9 53 | 0 42 | 21 51 | 0 48 | 24 57 | 4 18 | 13 41 | 0 52 | 13 40 | 1 33 | 23 43 | 0 15 | 11 54 | 0 56 | 7 10 | 16 33 | 13 40 | 13 56 | 27 49 | 16 41 | 6 36 |
| W 8 | 13 9 | 25 57 | 4 57 | 9 2 | 0 32 | 21 46 | 0 44 | 24 59 | 4 16 | 13 44 | 0 52 | 13 37 | 1 33 | 23 43 | 0 15 | 11 55 | 0 56 | 7 9 | 16 33 | 13 37 | 13 55 | 27 49 | 16 42 | 6 36 |
| T 9 | 12 48 | 22 29 | 5 1 | 8 12 | 0 21 | 21 40 | 0 41 | 25 0 | 4 15 | 13 47 | 0 52 | 13 35 | 1 33 | 23 43 | 0 15 | 11 55 | 0 56 | 7 9 | 16 33 | 13 34 | 13 54 | 27 50 | 16 42 | 6 35 |
| F 10 | 12 28 | 17 35 | 4 44 | 7 21 | 0 9 | 21 34 | 0 37 | 25 1 | 4 13 | 13 50 | 0 51 | 13 32 | 1 33 | 23 43 | 0 15 | 11 56 | 0 56 | 7 8 | 16 32 | 13 30 | 13 53 | 27 50 | 16 43 | 6 35 |
| S 11 | 12 7 | 11 45 | 4 10 | 6 30 | 0n 3 | 21 27 | 0 34 | 25 2 | 4 11 | 13 53 | 0 51 | 13 30 | 1 33 | 23 43 | 0 15 | 11 57 | 0 56 | 7 7 | 16 32 | 13 27 | 13 52 | 27 50 | 16 43 | 6 35 |
| S 12 | 11 46 | 5 27 | 3 21 | 5 40 | 0 16 | 21 19 | 0 30 | 25 3 | 4 9 | 13 56 | 0 51 | 13 27 | 1 33 | 23 43 | 0 15 | 11 57 | 0 56 | 7 7 | 16 32 | 13 24 | 13 51 | 27 50 | 16 44 | 6 34 |
| M13 | 11 25 | 0n56 | 2 21 | 4 50 | 0 29 | 21 11 | 0 27 | 25 3 | 4 7 | 13 59 | 0 51 | 13 25 | 1 33 | 23 43 | 0 15 | 11 58 | 0 56 | 7 6 | 16 32 | 13 22 | 13 50 | 27 50 | 16 44 | 6 34 |
| T 14 | 11 3 | 7 6 | 1 15 | 4 2 | 0 42 | 21 2 | 0 23 | 25 4 | 4 6 | 14 2 | 0 51 | 13 22 | 1 33 | 23 43 | 0 15 | 11 58 | 0 56 | 7 6 | 16 31 | 13 21 | 13 49 | 27 51 | 16 45 | 6 33 |
| W15 | 10 42 | 12 46 | 0 7 | 3 15 | 0 56 | 20 53 | 0 20 | 25 4 | 4 4 | 14 5 | 0 50 | 13 19 | 1 33 | 23 43 | 0 15 | 11 59 | 0 56 | 7 5 | 16 31 | 13 21 | 13 47 | 27 51 | 16 45 | 6 33 |
| T 16 | 10 20 | 17 46 | 0n59 | 2 30 | 1 10 | 20 43 | 0 16 | 25 4 | 4 2 | 14 8 | 0 50 | 13 17 | 1 33 | 23 43 | 0 15 | 12 0 | 0 56 | 7 4 | 16 31 | 13 21 | 13 46 | 27 51 | 16 46 | 6 32 |
| F 17 | 9 58 | 21 54 | 2 1 | 1 47 | 1 24 | 20 32 | 0 13 | 25 4 | 4 0 | 14 11 | 0 50 | 13 14 | 1 33 | 23 43 | 0 15 | 12 0 | 0 56 | 7 4 | 16 31 | 13 21 | 13 45 | 27 51 | 16 47 | 6 32 |
| S 18 | 9 36 | 25 3 | 2 57 | 1 6 | 1 38 | 20 21 | 0 9 | 25 3 | 3 58 | 14 14 | 0 50 | 13 12 | 1 33 | 23 43 | 0 15 | 12 1 | 0 56 | 7 3 | 16 30 | 13 21 | 13 44 | 27 51 | 16 47 | 6 31 |
| S 19 | 9 14 | 27 4 | 3 44 | 0 28 | 1 52 | 20 9 | 0 6 | 25 2 | 3 56 | 14 17 | 0 49 | 13 9 | 1 33 | 23 43 | 0 15 | 12 1 | 0 56 | 7 3 | 16 30 | 13 21 | 13 43 | 27 51 | 16 48 | 6 31 |
| M20 | 8 52 | 27 51 | 4 22 | 0n 6 | 2 5 | 19 57 | 0 3 | 25 2 | 3 54 | 14 20 | 0 49 | 13 7 | 1 34 | 23 43 | 0 15 | 12 2 | 0 56 | 7 2 | 16 30 | 13 19 | 13 42 | 27 52 | 16 48 | 6 30 |
| T 21 | 8 29 | 27 21 | 4 49 | 0 38 | 2 19 | 19 44 | 0s 1 | 25 1 | 3 52 | 14 24 | 0 49 | 13 4 | 1 34 | 23 43 | 0 15 | 12 3 | 0 56 | 7 1 | 16 30 | 13 17 | 13 41 | 27 52 | 16 49 | 6 30 |
| W22 | 8 7 | 25 35 | 5 3 | 1 5 | 2 31 | 19 30 | 0 4 | 24 59 | 3 50 | 14 27 | 0 49 | 13 2 | 1 34 | 23 43 | 0 15 | 12 3 | 0 56 | 7 1 | 16 29 | 13 15 | 13 40 | 27 52 | 16 49 | 6 29 |
| T 23 | 7 44 | 22 37 | 5 3 | 1 29 | 2 43 | 19 16 | 0 7 | 24 58 | 3 47 | 14 30 | 0 49 | 12 59 | 1 34 | 23 43 | 0 15 | 12 4 | 0 56 | 7 0 | 16 29 | 13 11 | 13 39 | 27 52 | 16 50 | 6 29 |
| F 24 | 7 21 | 18 37 | 4 50 | 1 48 | 2 54 | 19 2 | 0 10 | 24 57 | 3 45 | 14 34 | 0 48 | 12 57 | 1 34 | 23 43 | 0 15 | 12 4 | 0 56 | 7 0 | 16 29 | 13 8 | 13 38 | 27 52 | 16 51 | 6 28 |
| S 25 | 6 59 | 13 44 | 4 23 | 2 3 | 3 4 | 18 47 | 0 13 | 24 55 | 3 43 | 14 37 | 0 48 | 12 54 | 1 34 | 23 43 | 0 15 | 12 5 | 0 56 | 6 59 | 16 29 | 13 5 | 13 37 | 27 52 | 16 51 | 6 28 |
| S 26 | 6 36 | 8 12 | 3 42 | 2 14 | 3 13 | 18 31 | 0 17 | 24 53 | 3 41 | 14 40 | 0 48 | 12 52 | 1 34 | 23 43 | 0 15 | 12 6 | 0 56 | 6 58 | 16 28 | 13 2 | 13 36 | 27 52 | 16 52 | 6 27 |
| M27 | 6 13 | 2 14 | 2 49 | 2 20 | 3 21 | 18 15 | 0 20 | 24 51 | 3 39 | 14 44 | 0 48 | 12 49 | 1 34 | 23 43 | 0 15 | 12 6 | 0 56 | 6 58 | 16 28 | 12 59 | 13 35 | 27 52 | 16 52 | 6 27 |
| T 28 | 5s49 | 3s56 | 1n46 | 2n22 | 3n27 | 17s58 | 0s23 | 24n49 | 3n37 | 14n47 | 0s48 | 12s47 | 1s34 | 23n43 | 0n15 | 12n 7 | 0n56 | 6s57 | 16s28 | 12n58 | 13n34 | 27n52 | 16n53 | 6s26 |

Julian Day Number = 2126881.5, Delta T = 17m08s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'52, Lahiri = 11°27'53 Julian Calendar 1 Feb. 1111 == Greg. Calendar 8 Feb. 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## MARCH 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 57 29 | 16♓16'59 | 27♎24 | 27°R43 | 12♒ 3 | 24♋50 | 12♉16 | 0♓44 | 25♊ 7 | 0°R47 | 21♈15 | 4°R 7 | 5♉53 | 6♋55 | 8°R 7 | W 1 |
| T 2 | 11 1 26 | 17°16'31 | 10♏56 | 27♓18 | 13°15 | 24°51 | 12°27 | 0°51 | 25° 7 | 0♍46 | 21°16 | 4°D 7 | 5°49 | 7° 1 | 8♋ 6 | T 2 |
| F 3 | 11 5 22 | 18°16'02 | 24°39 | 26°47 | 14°28 | 24°53 | 12°37 | 0°58 | 25° 8 | 0°44 | 21°17 | 4♉ 8 | 5°46 | 7° 8 | 8° 6 | F 3 |
| S 4 | 11 9 19 | 19°15'30 | 8♐32 | 26°10 | 15°41 | 24°55 | 12°48 | 1° 5 | 25° 8 | 0°43 | 21°18 | 4° 9 | 5°43 | 7°15 | 8° 6 | S 4 |
| S 5 | 11 13 15 | 20°14'57 | 22°35 | 25°28 | 16°53 | 24°59 | 12°59 | 1°12 | 25° 8 | 0°41 | 21°20 | 4°R10 | 5°40 | 7°21 | 8° 6 | S 5 |
| M 6 | 11 17 12 | 21°14'22 | 6♑47 | 24°41 | 18° 6 | 25° 3 | 13°10 | 1°19 | 25° 9 | 0°40 | 21°21 | 4° 9 | 5°37 | 7°28 | 8°D 6 | M 6 |
| T 7 | 11 21 8 | 22°13'45 | 21° 7 | 23°52 | 19°19 | 25° 7 | 13°22 | 1°26 | 25° 9 | 0°38 | 21°22 | 4° 6 | 5°33 | 7°35 | 8° 6 | T 7 |
| W 8 | 11 25 5 | 23°13'06 | 5♒31 | 23° 1 | 20°31 | 25°13 | 13°33 | 1°34 | 25°10 | 0°36 | 21°23 | 4° 1 | 5°30 | 7°42 | 8° 6 | W 8 |
| T 9 | 11 29 1 | 24°12'25 | 19°55 | 22°10 | 21°44 | 25°19 | 13°44 | 1°41 | 25°10 | 0°35 | 21°25 | 3°55 | 5°27 | 7°48 | 8° 6 | T 9 |
| F 10 | 11 32 58 | 25°11'43 | 4♓13 | 21°18 | 22°57 | 25°25 | 13°56 | 1°48 | 25°11 | 0°33 | 21°26 | 3°49 | 5°24 | 7°55 | 8° 6 | F 10 |
| S 11 | 11 36 55 | 26°10'58 | 18°20 | 20°28 | 24°10 | 25°33 | 14° 7 | 1°55 | 25°12 | 0°32 | 21°27 | 3°43 | 5°21 | 8° 2 | 8° 7 | S 11 |
| S 12 | 11 40 51 | 27°10'12 | 2♈11 | 19°40 | 25°22 | 25°40 | 14°19 | 2° 1 | 25°12 | 0°31 | 21°28 | 3°38 | 5°18 | 8° 8 | 8° 7 | S 12 |
| M13 | 11 44 48 | 28° 9'23 | 15°42 | 18°55 | 26°35 | 25°49 | 14°30 | 2° 8 | 25°13 | 0°29 | 21°30 | 3°35 | 5°14 | 8°15 | 8° 8 | M13 |
| T 14 | 11 48 44 | 29° 8'32 | 28°52 | 18°14 | 27°48 | 25°58 | 14°42 | 2°15 | 25°14 | 0°28 | 21°31 | 3°D34 | 5°11 | 8°22 | 8° 9 | T 14 |
| W15 | 11 52 41 | 0♈ 7'39 | 11♉41 | 17°36 | 29° 1 | 26° 8 | 14°54 | 2°22 | 25°15 | 0°26 | 21°32 | 3°34 | 5° 8 | 8°29 | 8°10 | W15 |
| T 16 | 11 56 37 | 1° 6'43 | 24°10 | 17° 4 | 0♓14 | 26°18 | 15° 6 | 2°29 | 25°16 | 0°25 | 21°33 | 3°35 | 5° 5 | 8°35 | 8°11 | T 16 |
| F 17 | 12 0 34 | 2° 5'46 | 6♊24 | 16°37 | 1°26 | 26°29 | 15°18 | 2°36 | 25°17 | 0°23 | 21°35 | 3°37 | 5° 2 | 8°42 | 8°12 | F 17 |
| S 18 | 12 4 30 | 3° 4'46 | 18°26 | 16°15 | 2°39 | 26°40 | 15°30 | 2°42 | 25°18 | 0°22 | 21°36 | 3°39 | 4°59 | 8°49 | 8°13 | S 18 |
| S 19 | 12 8 27 | 4° 3'44 | 0♋20 | 15°58 | 3°52 | 26°52 | 15°42 | 2°49 | 25°19 | 0°21 | 21°37 | 3°R40 | 4°55 | 8°55 | 8°14 | S 19 |
| M20 | 12 12 23 | 5° 2'39 | 12°12 | 15°47 | 5° 5 | 27° 5 | 15°54 | 2°56 | 25°20 | 0°19 | 21°39 | 3°39 | 4°52 | 9° 2 | 8°15 | M20 |
| T 21 | 12 16 20 | 6° 1'32 | 24° 6 | 15°41 | 6°18 | 27°18 | 16° 7 | 3° 2 | 25°21 | 0°18 | 21°40 | 3°38 | 4°49 | 9° 9 | 8°17 | T 21 |
| W22 | 12 20 17 | 7° 0'23 | 6♌ 7 | 15°D41 | 7°31 | 27°31 | 16°19 | 3° 9 | 25°23 | 0°17 | 21°41 | 3°35 | 4°46 | 9°15 | 8°18 | W22 |
| T 23 | 12 24 13 | 7°59'12 | 18°20 | 15°46 | 8°43 | 27°45 | 16°31 | 3°15 | 25°24 | 0°16 | 21°43 | 3°32 | 4°43 | 9°22 | 8°20 | T 23 |
| F 24 | 12 28 10 | 8°57'58 | 0♍46 | 15°56 | 9°56 | 27°59 | 16°44 | 3°22 | 25°25 | 0°14 | 21°44 | 3°28 | 4°39 | 9°29 | 8°21 | F 24 |
| S 25 | 12 32 6 | 9°56'42 | 13°29 | 16°11 | 11° 9 | 28°14 | 16°56 | 3°28 | 25°27 | 0°13 | 21°45 | 3°24 | 4°36 | 9°36 | 8°23 | S 25 |
| S 26 | 12 36 3 | 10°55'24 | 26°29 | 16°31 | 12°22 | 28°30 | 17° 9 | 3°35 | 25°28 | 0°12 | 21°47 | 3°21 | 4°33 | 9°42 | 8°25 | S 26 |
| M27 | 12 39 59 | 11°54'04 | 9♎46 | 16°55 | 13°35 | 28°46 | 17°22 | 3°41 | 25°30 | 0°11 | 21°48 | 3°18 | 4°30 | 9°49 | 8°27 | M27 |
| T 28 | 12 43 56 | 12°52'41 | 23°19 | 17°24 | 14°48 | 29° 2 | 17°34 | 3°47 | 25°31 | 0°10 | 21°50 | 3°17 | 4°27 | 9°56 | 8°29 | T 28 |
| W29 | 12 47 52 | 13°51'17 | 7♏ 6 | 17°57 | 16° 1 | 29°19 | 17°47 | 3°54 | 25°33 | 0° 9 | 21°51 | 3°D17 | 4°24 | 10° 2 | 8°31 | W29 |
| T 30 | 12 51 49 | 14°49'51 | 21° 4 | 18°35 | 17°14 | 29°36 | 18° 0 | 4° 0 | 25°35 | 0° 7 | 21°52 | 3°17 | 4°20 | 10° 9 | 8°33 | T 30 |
| F 31 | 12 55 46 | 15♈48'24 | 5♐11 | 19♓16 | 18♓27 | 29♋53 | 18♉13 | 4♓ 6 | 25♊36 | 0♍ 6 | 21♈54 | 3♉19 | 4♉17 | 10♋16 | 8♋35 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s26 | 10s 2 | 0n36 | 2n19 | 3n31 | 17s41 | 0s26 | 24n47 | 3n35 | 14n51 | 0s47 | 12s44 | 1s34 | 23n43 | 0n15 | 12n 7 | 0n56 | 6s57 | 16s28 | 12n57 | 13n33 | 27n52 | 16n53 | 6s26 |
| T 2 | 5 3 | 15 46 | 0s37 | 2 12 | 3 34 | 17 23 | 0 29 | 24 45 | 3 33 | 14 54 | 0 47 | 12 42 | 1 34 | 23 43 | 0 15 | 12 8 | 0 56 | 6 56 | 16 28 | 12 57 | 13 32 | 27 52 | 16 54 | 6 25 |
| F 3 | 4 40 | 20 47 | 1 49 | 2 0 | 3 35 | 17 5 | 0 32 | 24 42 | 3 30 | 14 57 | 0 47 | 12 39 | 1 34 | 23 43 | 0 15 | 12 8 | 0 56 | 6 55 | 16 27 | 12 58 | 13 31 | 27 53 | 16 54 | 6 25 |
| S 4 | 4 16 | 24 43 | 2 55 | 1 45 | 3 35 | 16 46 | 0 34 | 24 40 | 3 28 | 15 1 | 0 47 | 12 37 | 1 35 | 23 43 | 0 15 | 12 9 | 0 56 | 6 55 | 16 27 | 12 58 | 13 30 | 27 53 | 16 55 | 6 24 |
| S 5 | 3 53 | 27 12 | 3 52 | 1 26 | 3 32 | 16 27 | 0 37 | 24 37 | 3 26 | 15 4 | 0 47 | 12 34 | 1 35 | 23 43 | 0 15 | 12 10 | 0 56 | 6 54 | 16 27 | 12 58 | 13 28 | 27 53 | 16 55 | 6 24 |
| M 6 | 3 29 | 27 57 | 4 35 | 1 4 | 3 28 | 16 7 | 0 40 | 24 34 | 3 24 | 15 8 | 0 46 | 12 32 | 1 35 | 23 43 | 0 15 | 12 10 | 0 56 | 6 53 | 16 27 | 12 58 | 13 27 | 27 53 | 16 56 | 6 23 |
| T 7 | 3 6 | 26 51 | 5 1 | 0 38 | 3 22 | 15 47 | 0 43 | 24 31 | 3 22 | 15 12 | 0 46 | 12 29 | 1 35 | 23 43 | 0 15 | 12 11 | 0 56 | 6 53 | 16 27 | 12 57 | 13 26 | 27 53 | 16 56 | 6 23 |
| W 8 | 2 42 | 23 58 | 5 9 | 0 11 | 3 14 | 15 26 | 0 45 | 24 28 | 3 20 | 15 15 | 0 46 | 12 27 | 1 35 | 23 43 | 0 15 | 12 11 | 0 56 | 6 52 | 16 26 | 12 55 | 13 25 | 27 53 | 16 57 | 6 22 |
| T 9 | 2 19 | 19 36 | 4 57 | 0s18 | 3 4 | 15 5 | 0 48 | 24 25 | 3 18 | 15 19 | 0 46 | 12 25 | 1 35 | 23 43 | 0 15 | 12 12 | 0 56 | 6 52 | 16 26 | 12 53 | 13 24 | 27 53 | 16 58 | 6 22 |
| F 10 | 1 55 | 14 9 | 4 27 | 0 49 | 2 53 | 14 44 | 0 50 | 24 22 | 3 16 | 15 22 | 0 46 | 12 22 | 1 35 | 23 43 | 0 15 | 12 12 | 0 56 | 6 51 | 16 26 | 12 51 | 13 23 | 27 53 | 16 58 | 6 21 |
| S 11 | 1 31 | 8 1 | 3 41 | 1 20 | 2 41 | 14 22 | 0 53 | 24 18 | 3 13 | 15 26 | 0 45 | 12 20 | 1 35 | 23 43 | 0 15 | 12 13 | 0 56 | 6 50 | 16 26 | 12 49 | 13 22 | 27 53 | 16 59 | 6 21 |
| S 12 | 1 8 | 1 37 | 2 42 | 1 51 | 2 28 | 14 0 | 0 55 | 24 15 | 3 11 | 15 29 | 0 45 | 12 17 | 1 35 | 23 43 | 0 15 | 12 13 | 0 56 | 6 50 | 16 26 | 12 47 | 13 21 | 27 53 | 16 59 | 6 20 |
| M13 | 0 44 | 4n44 | 1 36 | 2 21 | 2 14 | 13 37 | 0 58 | 24 11 | 3 9 | 15 33 | 0 45 | 12 15 | 1 36 | 23 43 | 0 15 | 12 14 | 0 56 | 6 49 | 16 26 | 12 46 | 13 20 | 27 53 | 17 0 | 6 19 |
| T 14 | 0 21 | 10 43 | 0 26 | 2 51 | 1 59 | 13 14 | 1 0 | 24 7 | 3 7 | 15 37 | 0 45 | 12 13 | 1 36 | 23 43 | 0 15 | 12 14 | 0 56 | 6 49 | 16 25 | 12 46 | 13 19 | 27 53 | 17 0 | 6 19 |
| W15 | 0n 3 | 16 7 | 0n44 | 3 20 | 1 43 | 12 51 | 1 2 | 24 3 | 3 5 | 15 40 | 0 45 | 12 10 | 1 36 | 23 43 | 0 15 | 12 15 | 0 56 | 6 48 | 16 25 | 12 46 | 13 18 | 27 53 | 17 1 | 6 18 |
| T 16 | 0 27 | 20 41 | 1 50 | 3 47 | 1 28 | 12 27 | 1 4 | 24 0 | 3 3 | 15 44 | 0 45 | 12 8 | 1 36 | 23 43 | 0 15 | 12 15 | 0 56 | 6 47 | 16 25 | 12 46 | 13 17 | 27 52 | 17 1 | 6 18 |
| F 17 | 0 50 | 24 16 | 2 50 | 4 12 | 1 12 | 12 3 | 1 6 | 23 55 | 3 1 | 15 48 | 0 44 | 12 6 | 1 36 | 23 43 | 0 15 | 12 16 | 0 56 | 6 47 | 16 25 | 12 47 | 13 16 | 27 52 | 17 2 | 6 17 |
| S 18 | 1 14 | 26 43 | 3 41 | 4 36 | 0 56 | 11 38 | 1 8 | 23 51 | 2 59 | 15 51 | 0 44 | 12 3 | 1 36 | 23 43 | 0 15 | 12 16 | 0 56 | 6 46 | 16 25 | 12 48 | 13 15 | 27 52 | 17 2 | 6 17 |
| S 19 | 1 37 | 27 55 | 4 22 | 4 57 | 0 40 | 11 14 | 1 10 | 23 47 | 2 57 | 15 55 | 0 44 | 12 1 | 1 36 | 23 43 | 0 15 | 12 17 | 0 56 | 6 46 | 16 25 | 12 48 | 13 14 | 27 52 | 17 2 | 6 16 |
| M20 | 2 1 | 27 50 | 4 52 | 5 15 | 0 25 | 10 49 | 1 12 | 23 43 | 2 55 | 15 59 | 0 44 | 11 59 | 1 36 | 23 43 | 0 15 | 12 17 | 0 56 | 6 45 | 16 25 | 12 48 | 13 12 | 27 52 | 17 3 | 6 16 |
| T 21 | 2 24 | 26 28 | 5 9 | 5 31 | 0 10 | 10 23 | 1 14 | 23 38 | 2 53 | 16 3 | 0 44 | 11 56 | 1 37 | 23 43 | 0 15 | 12 18 | 0 56 | 6 45 | 16 25 | 12 47 | 13 11 | 27 52 | 17 3 | 6 15 |
| W22 | 2 48 | 23 53 | 5 13 | 5 45 | 0s 5 | 9 58 | 1 16 | 23 34 | 2 51 | 16 6 | 0 44 | 11 54 | 1 37 | 23 43 | 0 15 | 12 18 | 0 56 | 6 44 | 16 24 | 12 46 | 13 10 | 27 52 | 17 4 | 6 15 |
| T 23 | 3 11 | 20 12 | 5 3 | 5 56 | 0 19 | 9 32 | 1 17 | 23 29 | 2 49 | 16 10 | 0 43 | 11 52 | 1 37 | 23 43 | 0 15 | 12 19 | 0 56 | 6 43 | 16 24 | 12 45 | 13 9 | 27 52 | 17 4 | 6 14 |
| F 24 | 3 34 | 15 35 | 4 39 | 6 5 | 0 33 | 9 6 | 1 19 | 23 24 | 2 48 | 16 14 | 0 43 | 11 50 | 1 37 | 23 43 | 0 15 | 12 19 | 0 56 | 6 43 | 16 24 | 12 44 | 13 8 | 27 52 | 17 5 | 6 14 |
| S 25 | 3 57 | 10 13 | 4 0 | 6 11 | 0 46 | 8 40 | 1 21 | 23 19 | 2 46 | 16 17 | 0 43 | 11 47 | 1 37 | 23 44 | 0 15 | 12 19 | 0 56 | 6 42 | 16 24 | 12 43 | 13 7 | 27 52 | 17 5 | 6 13 |
| S 26 | 4 21 | 4 17 | 3 9 | 6 15 | 0 59 | 8 13 | 1 22 | 23 14 | 2 44 | 16 21 | 0 43 | 11 45 | 1 37 | 23 44 | 0 15 | 12 20 | 0 56 | 6 42 | 16 24 | 12 41 | 13 6 | 27 51 | 17 6 | 6 12 |
| M27 | 4 44 | 1s58 | 2 6 | 6 16 | 1 11 | 7 46 | 1 23 | 23 9 | 2 42 | 16 25 | 0 43 | 11 43 | 1 37 | 23 44 | 0 15 | 12 20 | 0 56 | 6 41 | 16 24 | 12 41 | 13 5 | 27 51 | 17 6 | 6 12 |
| T 28 | 5 7 | 8 15 | 0 55 | 6 15 | 1 22 | 7 19 | 1 25 | 23 4 | 2 40 | 16 29 | 0 43 | 11 41 | 1 38 | 23 44 | 0 15 | 12 21 | 0 56 | 6 41 | 16 24 | 12 40 | 13 4 | 27 51 | 17 6 | 6 11 |
| W29 | 5 30 | 14 17 | 0s21 | 6 12 | 1 32 | 6 52 | 1 26 | 22 58 | 2 38 | 16 32 | 0 42 | 11 39 | 1 38 | 23 44 | 0 15 | 12 21 | 0 56 | 6 40 | 16 24 | 12 40 | 13 3 | 27 51 | 17 7 | 6 11 |
| T 30 | 5 52 | 19 40 | 1 37 | 6 6 | 1 42 | 6 24 | 1 27 | 22 53 | 2 37 | 16 36 | 0 42 | 11 37 | 1 38 | 23 44 | 0 15 | 12 21 | 0 56 | 6 39 | 16 24 | 12 40 | 13 2 | 27 51 | 17 7 | 6 10 |
| F 31 | 6n15 | 24s 0 | 2s47 | 5s58 | 1s51 | 5s57 | 1s28 | 22n48 | 2n35 | 16n40 | 0s42 | 11s34 | 1s38 | 23n44 | 0n15 | 12n22 | 0n56 | 6s39 | 16s24 | 12n41 | 13n 1 | 27n51 | 17n 7 | 6s10 |

Julian Day Number = 2126909.5, Delta T = 17m07s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°20'56, Lahiri = 11°27'57 Julian Calendar 1 March 1111 == Greg. Calendar 8 March 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## APRIL 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 59 42 | 16♈46'54 | 19♐22 | 20♓ 0 | 19♓40 | 0♌11 | 18♉26 | 4♓12 | 25♊38 | 0°R 5 | 21♈55 | 3♉20 | 4♉14 | 10♋23 | 8♋38 | S 1 |
| S 2 | 13 3 39 | 17°45'23 | 3♑36 | 20°48 | 20°53 | 0°30 | 18°39 | 4°18 | 25°40 | 0♍ 4 | 21°56 | 3°21 | 4°11 | 10°29 | 8°40 | S 2 |
| M 3 | 13 7 35 | 18°43'51 | 17°50 | 21°40 | 22° 6 | 0°48 | 18°52 | 4°24 | 25°42 | 0° 3 | 21°58 | 3°R21 | 4° 8 | 10°36 | 8°43 | M 3 |
| T 4 | 13 11 32 | 19°42'17 | 2♒ 1 | 22°35 | 23°19 | 1° 8 | 19° 5 | 4°30 | 25°44 | 0° 2 | 21°59 | 3°21 | 4° 5 | 10°43 | 8°45 | T 4 |
| W 5 | 13 15 28 | 20°40'41 | 16° 8 | 23°32 | 24°32 | 1°27 | 19°18 | 4°36 | 25°46 | 0° 1 | 22° 1 | 3°20 | 4° 1 | 10°49 | 8°48 | W 5 |
| T 6 | 13 19 25 | 21°39'03 | 0♓ 7 | 24°33 | 25°45 | 1°47 | 19°31 | 4°42 | 25°47 | 0° 1 | 22° 2 | 3°19 | 3°58 | 10°56 | 8°51 | T 6 |
| F 7 | 13 23 21 | 22°37'24 | 13°57 | 25°36 | 26°58 | 2° 7 | 19°44 | 4°48 | 25°50 | 29♌59 | 22° 3 | 3°17 | 3°55 | 11° 3 | 8°54 | F 7 |
| S 8 | 13 27 18 | 23°35'43 | 27°35 | 26°42 | 28°11 | 2°28 | 19°57 | 4°53 | 25°52 | 29°59 | 22° 5 | 3°16 | 3°52 | 11°10 | 8°57 | S 8 |
| S 9 | 13 31 15 | 24°34'01 | 11♈ 0 | 27°51 | 29°24 | 2°49 | 20°11 | 4°59 | 25°54 | 29°58 | 22° 6 | 3°15 | 3°49 | 11°16 | 9° 0 | S 9 |
| M10 | 13 35 11 | 25°32'17 | 24°10 | 29° 2 | 0♈37 | 3°10 | 20°24 | 5° 5 | 25°56 | 29°57 | 22° 7 | 3°15 | 3°45 | 11°23 | 9° 3 | M10 |
| T 11 | 13 39 8 | 26°30'31 | 7♉ 4 | 0♈16 | 1°50 | 3°32 | 20°37 | 5°10 | 25°58 | 29°56 | 22° 9 | 3°D15 | 3°42 | 11°30 | 9° 6 | T 11 |
| W12 | 13 43 4 | 27°28'43 | 19°42 | 1°32 | 3° 3 | 3°54 | 20°51 | 5°16 | 26° 0 | 29°56 | 22°10 | 3°15 | 3°39 | 11°36 | 9°10 | W12 |
| T 13 | 13 47 1 | 28°26'53 | 2♊ 6 | 2°50 | 4°16 | 4°16 | 21° 4 | 5°21 | 26° 2 | 29°55 | 22°12 | 3°15 | 3°36 | 11°43 | 9°13 | T 13 |
| F 14 | 13 50 57 | 29°25'02 | 14°17 | 4°11 | 5°29 | 4°39 | 21°18 | 5°26 | 26° 5 | 29°54 | 22°13 | 3°16 | 3°33 | 11°50 | 9°16 | F 14 |
| S 15 | 13 54 54 | 0♉23'08 | 26°18 | 5°34 | 6°42 | 5° 1 | 21°31 | 5°32 | 26° 7 | 29°54 | 22°14 | 3°16 | 3°30 | 11°57 | 9°20 | S 15 |
| S 16 | 13 58 50 | 1°21'13 | 8♋13 | 6°58 | 7°55 | 5°25 | 21°45 | 5°37 | 26°10 | 29°53 | 22°16 | 3°16 | 3°26 | 12° 3 | 9°24 | S 16 |
| M17 | 14 2 47 | 2°19'16 | 20° 6 | 8°25 | 9° 8 | 5°48 | 21°58 | 5°42 | 26°12 | 29°52 | 22°17 | 3°16 | 3°23 | 12°10 | 9°27 | M17 |
| T 18 | 14 6 44 | 3°17'16 | 2♌ 0 | 9°54 | 10°21 | 6°12 | 22°12 | 5°47 | 26°14 | 29°52 | 22°18 | 3°16 | 3°20 | 12°17 | 9°31 | T 18 |
| W19 | 14 10 40 | 4°15'15 | 14° 1 | 11°26 | 11°34 | 6°36 | 22°26 | 5°52 | 26°17 | 29°51 | 22°20 | 3°16 | 3°17 | 12°23 | 9°35 | W19 |
| T 20 | 14 14 37 | 5°13'12 | 26°13 | 12°59 | 12°47 | 7° 0 | 22°39 | 5°57 | 26°19 | 29°51 | 22°21 | 3°17 | 3°14 | 12°30 | 9°39 | T 20 |
| F 21 | 14 18 33 | 6°11'07 | 8♍41 | 14°34 | 14° 0 | 7°25 | 22°53 | 6° 2 | 26°22 | 29°50 | 22°22 | 3°17 | 3°11 | 12°37 | 9°43 | F 21 |
| S 22 | 14 22 30 | 7° 9'00 | 21°27 | 16°11 | 15°13 | 7°50 | 23° 7 | 6° 7 | 26°25 | 29°50 | 22°24 | 3°17 | 3° 7 | 12°44 | 9°47 | S 22 |
| S 23 | 14 26 26 | 8° 6'52 | 4♎34 | 17°50 | 16°27 | 8°15 | 23°20 | 6°11 | 26°27 | 29°49 | 22°25 | 3°18 | 3° 4 | 12°50 | 9°51 | S 23 |
| M24 | 14 30 23 | 9° 4'41 | 18° 4 | 19°32 | 17°40 | 8°40 | 23°34 | 6°16 | 26°30 | 29°49 | 22°26 | 3°18 | 3° 1 | 12°57 | 9°55 | M24 |
| T 25 | 14 34 19 | 10° 2'30 | 1♏56 | 21°15 | 18°53 | 9° 6 | 23°48 | 6°21 | 26°33 | 29°49 | 22°28 | 3°R18 | 2°58 | 13° 4 | 9°59 | T 25 |
| W26 | 14 38 16 | 11° 0'16 | 16° 6 | 23° 0 | 20° 6 | 9°32 | 24° 2 | 6°25 | 26°35 | 29°48 | 22°29 | 3°18 | 2°55 | 13°10 | 10° 4 | W26 |
| T 27 | 14 42 13 | 11°58'01 | 0♐31 | 24°48 | 21°19 | 9°58 | 24°16 | 6°29 | 26°38 | 29°48 | 22°30 | 3°17 | 2°51 | 13°17 | 10° 8 | T 27 |
| F 28 | 14 46 9 | 12°55'45 | 15° 6 | 26°37 | 22°32 | 10°24 | 24°29 | 6°34 | 26°41 | 29°48 | 22°32 | 3°16 | 2°48 | 13°24 | 10°13 | F 28 |
| S 29 | 14 50 6 | 13°53'28 | 29°43 | 28°29 | 23°45 | 10°50 | 24°43 | 6°38 | 26°44 | 29°48 | 22°33 | 3°15 | 2°45 | 13°31 | 10°17 | S 29 |
| S 30 | 14 54 2 | 14♉51'10 | 14♑18 | 0♉22 | 24♈58 | 11♌17 | 24♉57 | 6♓42 | 26♊47 | 29♌47 | 22♈34 | 3♉14 | 2♉42 | 13♋37 | 10♋22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n38 | 26s55 | 3s48 | 5s49 | 2s 0 | 5s29 | 1s29 | 22n42 | 2n33 | 16n43 | 0s42 | 11s32 | 1s38 | 23n44 | 0n15 | 12n22 | 0n56 | 6s38 | 16s24 | 12n41 | 13n 0 | 27n50 | 17n 8 | 6s 9 |
| S 2 | 7 0 | 28 5 | 4 34 | 5 37 | 2 7 | 5 1 | 1 30 | 22 36 | 2 31 | 16 47 | 0 42 | 11 30 | 1 38 | 23 44 | 0 15 | 12 22 | 0 56 | 6 38 | 16 24 | 12 41 | 12 59 | 27 50 | 17 8 | 6 9 |
| M 3 | 7 22 | 27 23 | 5 4 | 5 23 | 2 15 | 4 33 | 1 31 | 22 30 | 2 29 | 16 51 | 0 42 | 11 28 | 1 39 | 23 44 | 0 15 | 12 23 | 0 56 | 6 37 | 16 24 | 12 42 | 12 57 | 27 50 | 17 9 | 6 8 |
| T 4 | 7 45 | 24 56 | 5 16 | 5 7 | 2 21 | 4 5 | 1 32 | 22 24 | 2 28 | 16 55 | 0 42 | 11 26 | 1 39 | 23 44 | 0 15 | 12 23 | 0 56 | 6 37 | 16 24 | 12 41 | 12 56 | 27 50 | 17 9 | 6 8 |
| W 5 | 8 7 | 20 58 | 5 8 | 4 49 | 2 27 | 3 36 | 1 33 | 22 18 | 2 26 | 16 58 | 0 41 | 11 24 | 1 39 | 23 44 | 0 15 | 12 23 | 0 56 | 6 36 | 16 24 | 12 41 | 12 55 | 27 50 | 17 9 | 6 7 |
| T 6 | 8 29 | 15 53 | 4 42 | 4 30 | 2 32 | 3 8 | 1 33 | 22 12 | 2 24 | 17 2 | 0 41 | 11 22 | 1 39 | 23 44 | 0 15 | 12 24 | 0 56 | 6 36 | 16 24 | 12 41 | 12 54 | 27 49 | 17 10 | 6 7 |
| F 7 | 8 51 | 10 2 | 4 0 | 4 9 | 2 36 | 2 39 | 1 34 | 22 6 | 2 23 | 17 6 | 0 41 | 11 20 | 1 39 | 23 44 | 0 15 | 12 24 | 0 56 | 6 35 | 16 24 | 12 40 | 12 53 | 27 49 | 17 10 | 6 6 |
| S 8 | 9 12 | 3 47 | 3 5 | 3 46 | 2 40 | 2 10 | 1 35 | 22 0 | 2 21 | 17 9 | 0 41 | 11 18 | 1 39 | 23 44 | 0 15 | 12 24 | 0 56 | 6 35 | 16 23 | 12 40 | 12 52 | 27 49 | 17 10 | 6 6 |
| S 9 | 9 34 | 2n32 | 2 0 | 3 21 | 2 44 | 1 42 | 1 35 | 21 53 | 2 19 | 17 13 | 0 41 | 11 16 | 1 40 | 23 44 | 0 15 | 12 25 | 0 56 | 6 34 | 16 23 | 12 40 | 12 51 | 27 49 | 17 10 | 6 5 |
| M10 | 9 55 | 8 38 | 0 50 | 2 55 | 2 46 | 1 13 | 1 35 | 21 47 | 2 18 | 17 17 | 0 41 | 11 15 | 1 40 | 23 44 | 0 15 | 12 25 | 0 56 | 6 34 | 16 23 | 12 39 | 12 50 | 27 48 | 17 11 | 6 5 |
| T 11 | 10 17 | 14 16 | 0n21 | 2 28 | 2 48 | 0 44 | 1 36 | 21 40 | 2 16 | 17 21 | 0 41 | 11 13 | 1 40 | 23 44 | 0 15 | 12 25 | 0 56 | 6 33 | 16 23 | 12 39 | 12 49 | 27 48 | 17 11 | 6 4 |
| W12 | 10 38 | 19 11 | 1 30 | 1 59 | 2 49 | 0 15 | 1 36 | 21 33 | 2 15 | 17 24 | 0 40 | 11 11 | 1 40 | 23 45 | 0 15 | 12 25 | 0 56 | 6 33 | 16 24 | 12 39 | 12 48 | 27 48 | 17 11 | 6 4 |
| T 13 | 10 59 | 23 11 | 2 33 | 1 28 | 2 50 | 0n14 | 1 36 | 21 26 | 2 13 | 17 28 | 0 40 | 11 9 | 1 40 | 23 45 | 0 15 | 12 26 | 0 56 | 6 32 | 16 24 | 12 40 | 12 47 | 27 48 | 17 12 | 6 3 |
| F 14 | 11 19 | 26 4 | 3 28 | 0 56 | 2 50 | 0 43 | 1 36 | 21 19 | 2 11 | 17 32 | 0 40 | 11 7 | 1 40 | 23 45 | 0 15 | 12 26 | 0 56 | 6 32 | 16 24 | 12 40 | 12 46 | 27 47 | 17 12 | 6 3 |
| S 15 | 11 40 | 27 44 | 4 13 | 0 23 | 2 50 | 1 12 | 1 36 | 21 12 | 2 10 | 17 35 | 0 40 | 11 5 | 1 41 | 23 45 | 0 15 | 12 26 | 0 56 | 6 31 | 16 24 | 12 40 | 12 44 | 27 47 | 17 12 | 6 2 |
| S 16 | 12 0 | 28 5 | 4 47 | 0n12 | 2 49 | 1 41 | 1 36 | 21 5 | 2 8 | 17 39 | 0 40 | 11 4 | 1 41 | 23 45 | 0 15 | 12 26 | 0 56 | 6 31 | 16 24 | 12 40 | 12 43 | 27 47 | 17 12 | 6 2 |
| M17 | 12 20 | 27 8 | 5 9 | 0 48 | 2 47 | 2 10 | 1 36 | 20 58 | 2 7 | 17 42 | 0 40 | 11 2 | 1 41 | 23 45 | 0 15 | 12 26 | 0 56 | 6 30 | 16 24 | 12 40 | 12 42 | 27 46 | 17 12 | 6 2 |
| T 18 | 12 40 | 24 57 | 5 17 | 1 25 | 2 45 | 2 39 | 1 36 | 20 50 | 2 5 | 17 46 | 0 40 | 11 0 | 1 41 | 23 45 | 0 15 | 12 27 | 0 56 | 6 30 | 16 24 | 12 40 | 12 41 | 27 46 | 17 13 | 6 1 |
| W19 | 13 0 | 21 40 | 5 11 | 2 3 | 2 42 | 3 8 | 1 36 | 20 43 | 2 4 | 17 50 | 0 40 | 10 58 | 1 41 | 23 45 | 0 15 | 12 27 | 0 56 | 6 30 | 16 24 | 12 40 | 12 40 | 27 46 | 17 13 | 6 1 |
| T 20 | 13 20 | 17 24 | 4 52 | 2 43 | 2 39 | 3 37 | 1 35 | 20 35 | 2 2 | 17 53 | 0 40 | 10 57 | 1 42 | 23 45 | 0 15 | 12 27 | 0 56 | 6 29 | 16 24 | 12 40 | 12 39 | 27 45 | 17 13 | 6 0 |
| F 21 | 13 39 | 12 21 | 4 19 | 3 23 | 2 35 | 4 6 | 1 35 | 20 27 | 2 1 | 17 57 | 0 39 | 10 55 | 1 42 | 23 45 | 0 15 | 12 27 | 0 56 | 6 29 | 16 24 | 12 40 | 12 38 | 27 45 | 17 13 | 6 0 |
| S 22 | 13 58 | 6 39 | 3 32 | 4 5 | 2 31 | 4 34 | 1 34 | 20 19 | 1 59 | 18 1 | 0 39 | 10 54 | 1 42 | 23 45 | 0 15 | 12 27 | 0 56 | 6 28 | 16 24 | 12 40 | 12 37 | 27 45 | 17 13 | 5 59 |
| S 23 | 14 17 | 0 30 | 2 33 | 4 47 | 2 26 | 5 3 | 1 34 | 20 11 | 1 58 | 18 4 | 0 39 | 10 52 | 1 42 | 23 45 | 0 15 | 12 27 | 0 56 | 6 28 | 16 24 | 12 40 | 12 36 | 27 44 | 17 13 | 5 59 |
| M24 | 14 36 | 5s50 | 1 23 | 5 31 | 2 20 | 5 32 | 1 33 | 20 3 | 1 57 | 18 8 | 0 39 | 10 51 | 1 42 | 23 45 | 0 15 | 12 27 | 0 56 | 6 27 | 16 24 | 12 40 | 12 35 | 27 44 | 17 14 | 5 58 |
| T 25 | 14 54 | 12 5 | 0 8 | 6 15 | 2 14 | 6 0 | 1 33 | 19 55 | 1 55 | 18 11 | 0 39 | 10 49 | 1 43 | 23 45 | 0 15 | 12 28 | 0 56 | 6 27 | 16 24 | 12 41 | 12 34 | 27 44 | 17 14 | 5 58 |
| W26 | 15 12 | 17 51 | 1s10 | 7 0 | 2 8 | 6 29 | 1 32 | 19 47 | 1 54 | 18 15 | 0 39 | 10 48 | 1 43 | 23 46 | 0 15 | 12 28 | 0 56 | 6 27 | 16 24 | 12 40 | 12 32 | 27 43 | 17 14 | 5 58 |
| T 27 | 15 30 | 22 43 | 2 25 | 7 47 | 2 1 | 6 57 | 1 31 | 19 38 | 1 52 | 18 18 | 0 39 | 10 46 | 1 43 | 23 46 | 0 15 | 12 28 | 0 56 | 6 26 | 16 24 | 12 40 | 12 31 | 27 43 | 17 14 | 5 57 |
| F 28 | 15 48 | 26 13 | 3 31 | 8 33 | 1 53 | 7 25 | 1 30 | 19 30 | 1 51 | 18 22 | 0 39 | 10 45 | 1 43 | 23 46 | 0 15 | 12 28 | 0 55 | 6 26 | 16 24 | 12 40 | 12 30 | 27 42 | 17 14 | 5 57 |
| S 29 | 16 5 | 27 57 | 4 24 | 9 21 | 1 45 | 7 53 | 1 29 | 19 21 | 1 50 | 18 25 | 0 39 | 10 43 | 1 44 | 23 46 | 0 15 | 12 28 | 0 55 | 6 26 | 16 25 | 12 40 | 12 29 | 27 42 | 17 14 | 5 56 |
| S 30 | 16n22 | 27s44 | 4s59 | 10n 8 | 1s37 | 8n21 | 1s28 | 19n13 | 1n48 | 18n29 | 0s38 | 10s42 | 1s44 | 23n46 | 0n15 | 12n28 | 0n55 | 6s25 | 16s25 | 12n39 | 12n28 | 27n42 | 17n14 | 5s56 |

Julian Day Number = 2126940.5, Delta T = 17m07s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'00, Lahiri = 11°28'01 Julian Calendar 1 Apr. 1111 == Greg. Calendar 8 Apr. 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## MAY 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 57 59 | 15♉48'50 | 28♑44 | 2♉17 | 26♈11 | 11♌44 | 25♉11 | 6♓46 | 26♊50 | 29°R47 | 22♈36 | 3°R13 | 2♉39 | 13♋44 | 10♋26 | M 1 |
| T 2 | 15 1 55 | 16°46'30 | 12♒58 | 4°15 | 27°25 | 12°11 | 25°25 | 6°50 | 26°53 | 29♌47 | 22°37 | 3°D13 | 2°36 | 13°51 | 10°31 | T 2 |
| W 3 | 15 5 52 | 17°44'08 | 26°59 | 6°14 | 28°38 | 12°39 | 25°39 | 6°54 | 26°56 | 29°47 | 22°38 | 3♉13 | 2°32 | 13°57 | 10°36 | W 3 |
| T 4 | 15 9 48 | 18°41'45 | 10♓43 | 8°15 | 29°51 | 13° 6 | 25°53 | 6°58 | 26°59 | 29°47 | 22°39 | 3°14 | 2°29 | 14° 4 | 10°41 | T 4 |
| F 5 | 15 13 45 | 19°39'22 | 24°13 | 10°18 | 1♉ 4 | 13°34 | 26° 7 | 7° 2 | 27° 2 | 29°D47 | 22°41 | 3°15 | 2°26 | 14°11 | 10°46 | F 5 |
| S 6 | 15 17 42 | 20°36'57 | 7♈27 | 12°23 | 2°17 | 14° 2 | 26°21 | 7° 6 | 27° 5 | 29°47 | 22°42 | 3°16 | 2°23 | 14°18 | 10°51 | S 6 |
| S 7 | 15 21 38 | 21°34'31 | 20°28 | 14°29 | 3°30 | 14°30 | 26°35 | 7° 9 | 27° 8 | 29°47 | 22°43 | 3°17 | 2°20 | 14°24 | 10°56 | S 7 |
| M 8 | 15 25 35 | 22°32'05 | 3♉15 | 16°37 | 4°43 | 14°59 | 26°49 | 7°13 | 27°11 | 29°47 | 22°44 | 3°R17 | 2°16 | 14°31 | 11° 1 | M 8 |
| T 9 | 15 29 31 | 23°29'37 | 15°50 | 18°46 | 5°57 | 15°27 | 27° 2 | 7°16 | 27°14 | 29°47 | 22°46 | 3°17 | 2°13 | 14°38 | 11° 6 | T 9 |
| W10 | 15 33 28 | 24°27'08 | 28°14 | 20°56 | 7°10 | 15°56 | 27°16 | 7°20 | 27°17 | 29°47 | 22°47 | 3°15 | 2°10 | 14°44 | 11°11 | W10 |
| T 11 | 15 37 24 | 25°24'38 | 10♊27 | 23° 7 | 8°23 | 16°25 | 27°30 | 7°23 | 27°20 | 29°48 | 22°48 | 3°13 | 2° 7 | 14°51 | 11°16 | T 11 |
| F 12 | 15 41 21 | 26°22'07 | 22°32 | 25°18 | 9°36 | 16°54 | 27°44 | 7°26 | 27°24 | 29°48 | 22°49 | 3° 9 | 2° 4 | 14°58 | 11°22 | F 12 |
| S 13 | 15 45 17 | 27°19'35 | 4♋30 | 27°30 | 10°50 | 17°24 | 27°58 | 7°29 | 27°27 | 29°48 | 22°50 | 3° 5 | 2° 1 | 15° 5 | 11°27 | S 13 |
| S 14 | 15 49 14 | 28°17'02 | 16°23 | 29°42 | 12° 3 | 17°53 | 28°12 | 7°32 | 27°30 | 29°48 | 22°52 | 3° 1 | 1°57 | 15°11 | 11°33 | S 14 |
| M15 | 15 53 11 | 29°14'27 | 28°15 | 1♊54 | 13°16 | 18°23 | 28°26 | 7°35 | 27°33 | 29°49 | 22°53 | 2°58 | 1°54 | 15°18 | 11°38 | M15 |
| T 16 | 15 57 7 | 0♊11'52 | 10♌ 9 | 4° 5 | 14°29 | 18°53 | 28°40 | 7°38 | 27°37 | 29°49 | 22°54 | 2°55 | 1°51 | 15°25 | 11°44 | T 16 |
| W17 | 16 1 4 | 1° 9'15 | 22° 8 | 6°16 | 15°42 | 19°23 | 28°54 | 7°41 | 27°40 | 29°49 | 22°55 | 2°54 | 1°48 | 15°31 | 11°49 | W17 |
| T 18 | 16 5 0 | 2° 6'37 | 4♍18 | 8°26 | 16°56 | 19°53 | 29° 8 | 7°43 | 27°43 | 29°50 | 22°56 | 2°D53 | 1°45 | 15°38 | 11°55 | T 18 |
| F 19 | 16 8 57 | 3° 3'58 | 16°43 | 10°34 | 18° 9 | 20°23 | 29°22 | 7°46 | 27°47 | 29°50 | 22°57 | 2°54 | 1°42 | 15°45 | 12° 0 | F 19 |
| S 20 | 16 12 53 | 4° 1'17 | 29°27 | 12°41 | 19°22 | 20°54 | 29°36 | 7°48 | 27°50 | 29°51 | 22°58 | 2°55 | 1°38 | 15°52 | 12° 6 | S 20 |
| S 21 | 16 16 50 | 4°58'36 | 12♎34 | 14°46 | 20°35 | 21°24 | 29°50 | 7°51 | 27°53 | 29°51 | 22°59 | 2°57 | 1°35 | 15°58 | 12°12 | S 21 |
| M22 | 16 20 46 | 5°55'53 | 26° 7 | 16°50 | 21°49 | 21°55 | 0♊ 4 | 7°53 | 27°57 | 29°52 | 23° 0 | 2°R58 | 1°32 | 16° 5 | 12°18 | M22 |
| T 23 | 16 24 43 | 6°53'10 | 10♏ 6 | 18°52 | 23° 2 | 22°26 | 0°18 | 7°55 | 28° 0 | 29°52 | 23° 2 | 2°58 | 1°29 | 16°12 | 12°24 | T 23 |
| W24 | 16 28 40 | 7°50'26 | 24°30 | 20°51 | 24°15 | 22°57 | 0°32 | 7°57 | 28° 4 | 29°53 | 23° 3 | 2°56 | 1°26 | 16°18 | 12°29 | W24 |
| T 25 | 16 32 36 | 8°47'41 | 9♐15 | 22°49 | 25°29 | 23°29 | 0°45 | 7°59 | 28° 7 | 29°53 | 23° 4 | 2°53 | 1°22 | 16°25 | 12°35 | T 25 |
| F 26 | 16 36 33 | 9°44'56 | 24°13 | 24°44 | 26°42 | 24° 0 | 0°59 | 8° 1 | 28°11 | 29°54 | 23° 5 | 2°49 | 1°19 | 16°32 | 12°41 | F 26 |
| S 27 | 16 40 29 | 10°42'10 | 9♑15 | 26°37 | 27°55 | 24°31 | 1°13 | 8° 3 | 28°14 | 29°55 | 23° 6 | 2°43 | 1°16 | 16°39 | 12°47 | S 27 |
| S 28 | 16 44 26 | 11°39'24 | 24°13 | 28°28 | 29° 9 | 25° 3 | 1°27 | 8° 5 | 28°18 | 29°55 | 23° 7 | 2°38 | 1°13 | 16°45 | 12°53 | S 28 |
| M29 | 16 48 22 | 12°36'37 | 8♒58 | 0♋17 | 0♊22 | 25°35 | 1°41 | 8° 6 | 28°21 | 29°56 | 23° 8 | 2°33 | 1°10 | 16°52 | 13° 0 | M29 |
| T 30 | 16 52 19 | 13°33'50 | 23°24 | 2° 3 | 1°35 | 26° 7 | 1°55 | 8° 8 | 28°25 | 29°57 | 23° 9 | 2°30 | 1° 7 | 16°59 | 13° 6 | T 30 |
| W31 | 16 56 16 | 14♊31'03 | 7♓29 | 3♋46 | 2♊49 | 26♌39 | 2♊ 8 | 8♓ 9 | 28♊28 | 29♌58 | 23♈ 9 | 2♉29 | 1♉ 3 | 17♋ 6 | 13♋12 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n39 | 25s39 | 5s15 | 10n57 | 1s28 | 8n48 | 1s27 | 19n 4 | 1n47 | 18n32 | 0s38 | 10s41 | 1s44 | 23n46 | 0n15 | 12n28 | 0n55 | 6s25 | 16s25 | 12n39 | 12n27 | 27n41 | 17n14 | 5s56 |
| T 2 | 16 56 | 21 58 | 5 11 | 11 45 | 1 19 | 9 16 | 1 26 | 18 55 | 1 46 | 18 36 | 0 38 | 10 39 | 1 44 | 23 46 | 0 15 | 12 28 | 0 55 | 6 24 | 16 25 | 12 39 | 12 26 | 27 41 | 17 14 | 5 55 |
| W 3 | 17 12 | 17 6 | 4 49 | 12 34 | 1 10 | 9 43 | 1 25 | 18 46 | 1 44 | 18 39 | 0 38 | 10 38 | 1 44 | 23 46 | 0 15 | 12 28 | 0 55 | 6 24 | 16 25 | 12 39 | 12 25 | 27 40 | 17 14 | 5 55 |
| T 4 | 17 28 | 11 27 | 4 11 | 13 23 | 1 0 | 10 10 | 1 24 | 18 36 | 1 43 | 18 42 | 0 38 | 10 37 | 1 45 | 23 46 | 0 15 | 12 28 | 0 55 | 6 24 | 16 25 | 12 39 | 12 24 | 27 40 | 17 14 | 5 54 |
| F 5 | 17 44 | 5 21 | 3 19 | 14 12 | 0 50 | 10 37 | 1 22 | 18 27 | 1 42 | 18 46 | 0 38 | 10 36 | 1 45 | 23 46 | 0 15 | 12 28 | 0 55 | 6 23 | 16 25 | 12 39 | 12 23 | 27 39 | 17 14 | 5 54 |
| S 6 | 18 0 | 0n52 | 2 18 | 15 0 | 0 40 | 11 3 | 1 21 | 18 18 | 1 40 | 18 49 | 0 38 | 10 34 | 1 45 | 23 46 | 0 15 | 12 28 | 0 55 | 6 23 | 16 25 | 12 40 | 12 22 | 27 39 | 17 14 | 5 54 |
| S 7 | 18 15 | 6 57 | 1 10 | 15 48 | 0 29 | 11 30 | 1 20 | 18 8 | 1 39 | 18 52 | 0 38 | 10 33 | 1 45 | 23 46 | 0 15 | 12 28 | 0 55 | 6 23 | 16 26 | 12 40 | 12 20 | 27 38 | 17 14 | 5 53 |
| M 8 | 18 30 | 12 39 | 0 0 | 16 35 | 0 18 | 11 56 | 1 18 | 17 59 | 1 38 | 18 56 | 0 38 | 10 32 | 1 46 | 23 46 | 0 15 | 12 28 | 0 55 | 6 23 | 16 26 | 12 40 | 12 19 | 27 38 | 17 14 | 5 53 |
| T 9 | 18 44 | 17 45 | 1n 9 | 17 22 | 0 8 | 12 22 | 1 17 | 17 49 | 1 36 | 18 59 | 0 38 | 10 31 | 1 46 | 23 46 | 0 15 | 12 28 | 0 55 | 6 22 | 16 26 | 12 40 | 12 18 | 27 37 | 17 14 | 5 53 |
| W10 | 18 59 | 22 1 | 2 13 | 18 7 | 0n 3 | 12 47 | 1 15 | 17 39 | 1 35 | 19 2 | 0 37 | 10 30 | 1 46 | 23 47 | 0 15 | 12 28 | 0 55 | 6 22 | 16 26 | 12 40 | 12 17 | 27 37 | 17 14 | 5 52 |
| T 11 | 19 13 | 25 16 | 3 10 | 18 52 | 0 13 | 13 13 | 1 14 | 17 29 | 1 34 | 19 6 | 0 37 | 10 29 | 1 46 | 23 47 | 0 15 | 12 28 | 0 55 | 6 22 | 16 26 | 12 39 | 12 16 | 27 36 | 17 14 | 5 52 |
| F 12 | 19 26 | 27 19 | 3 58 | 19 34 | 0 24 | 13 37 | 1 12 | 17 19 | 1 33 | 19 9 | 0 37 | 10 28 | 1 46 | 23 47 | 0 15 | 12 28 | 0 55 | 6 21 | 16 26 | 12 38 | 12 15 | 27 36 | 17 14 | 5 52 |
| S 13 | 19 40 | 28 4 | 4 35 | 20 15 | 0 34 | 14 2 | 1 10 | 17 9 | 1 32 | 19 12 | 0 37 | 10 27 | 1 47 | 23 47 | 0 15 | 12 27 | 0 55 | 6 21 | 16 26 | 12 36 | 12 14 | 27 35 | 17 14 | 5 51 |
| S 14 | 19 53 | 27 31 | 5 0 | 20 54 | 0 44 | 14 26 | 1 8 | 16 59 | 1 30 | 19 15 | 0 37 | 10 26 | 1 47 | 23 47 | 0 15 | 12 27 | 0 55 | 6 21 | 16 27 | 12 35 | 12 13 | 27 35 | 17 13 | 5 51 |
| M15 | 20 5 | 25 42 | 5 12 | 21 31 | 0 53 | 14 50 | 1 7 | 16 48 | 1 29 | 19 18 | 0 37 | 10 25 | 1 47 | 23 47 | 0 15 | 12 27 | 0 55 | 6 21 | 16 27 | 12 34 | 12 12 | 27 34 | 17 13 | 5 51 |
| T 16 | 20 17 | 22 46 | 5 11 | 22 6 | 1 3 | 15 14 | 1 5 | 16 38 | 1 28 | 19 22 | 0 37 | 10 24 | 1 47 | 23 47 | 0 15 | 12 27 | 0 55 | 6 20 | 16 27 | 12 33 | 12 11 | 27 34 | 17 13 | 5 50 |
| W17 | 20 29 | 18 51 | 4 56 | 22 38 | 1 11 | 15 37 | 1 3 | 16 27 | 1 27 | 19 25 | 0 37 | 10 24 | 1 48 | 23 47 | 0 15 | 12 27 | 0 55 | 6 20 | 16 27 | 12 32 | 12 9 | 27 33 | 17 13 | 5 50 |
| T 18 | 20 41 | 14 7 | 4 27 | 23 7 | 1 19 | 16 0 | 1 1 | 16 17 | 1 26 | 19 28 | 0 37 | 10 23 | 1 48 | 23 47 | 0 15 | 12 27 | 0 55 | 6 20 | 16 27 | 12 32 | 12 8 | 27 33 | 17 13 | 5 50 |
| F 19 | 20 52 | 8 44 | 3 46 | 23 34 | 1 27 | 16 22 | 0 59 | 16 6 | 1 24 | 19 31 | 0 37 | 10 22 | 1 48 | 23 47 | 0 15 | 12 27 | 0 55 | 6 20 | 16 28 | 12 32 | 12 7 | 27 32 | 17 13 | 5 50 |
| S 20 | 21 3 | 2 52 | 2 53 | 23 58 | 1 33 | 16 44 | 0 57 | 15 55 | 1 23 | 19 34 | 0 37 | 10 21 | 1 48 | 23 47 | 0 15 | 12 26 | 0 55 | 6 20 | 16 28 | 12 33 | 12 6 | 27 32 | 17 12 | 5 49 |
| S 21 | 21 14 | 3s19 | 1 49 | 24 20 | 1 40 | 17 6 | 0 55 | 15 44 | 1 22 | 19 37 | 0 36 | 10 21 | 1 49 | 23 47 | 0 15 | 12 26 | 0 55 | 6 19 | 16 28 | 12 33 | 12 5 | 27 31 | 17 12 | 5 49 |
| M22 | 21 24 | 9 33 | 0 37 | 24 39 | 1 45 | 17 27 | 0 53 | 15 33 | 1 21 | 19 40 | 0 36 | 10 20 | 1 49 | 23 47 | 0 15 | 12 26 | 0 55 | 6 19 | 16 28 | 12 34 | 12 4 | 27 30 | 17 12 | 5 49 |
| T 23 | 21 34 | 15 32 | 0s39 | 24 55 | 1 50 | 17 48 | 0 51 | 15 22 | 1 20 | 19 43 | 0 36 | 10 19 | 1 49 | 23 47 | 0 15 | 12 26 | 0 55 | 6 19 | 16 28 | 12 34 | 12 3 | 27 30 | 17 12 | 5 48 |
| W24 | 21 43 | 20 51 | 1 55 | 25 8 | 1 54 | 18 8 | 0 49 | 15 10 | 1 19 | 19 46 | 0 36 | 10 19 | 1 49 | 23 47 | 0 15 | 12 26 | 0 55 | 6 19 | 16 29 | 12 33 | 12 2 | 27 29 | 17 11 | 5 48 |
| T 25 | 21 53 | 24 59 | 3 5 | 25 19 | 1 57 | 18 28 | 0 47 | 14 59 | 1 18 | 19 49 | 0 36 | 10 18 | 1 50 | 23 47 | 0 15 | 12 25 | 0 55 | 6 19 | 16 29 | 12 32 | 12 1 | 27 28 | 17 11 | 5 48 |
| F 26 | 22 1 | 27 28 | 4 3 | 25 27 | 2 0 | 18 47 | 0 45 | 14 47 | 1 16 | 19 52 | 0 36 | 10 18 | 1 50 | 23 47 | 0 15 | 12 25 | 0 55 | 6 19 | 16 29 | 12 30 | 11 59 | 27 28 | 17 11 | 5 48 |
| S 27 | 22 10 | 27 58 | 4 44 | 25 32 | 2 1 | 19 6 | 0 42 | 14 36 | 1 15 | 19 55 | 0 36 | 10 17 | 1 50 | 23 48 | 0 15 | 12 25 | 0 55 | 6 18 | 16 29 | 12 29 | 11 58 | 27 27 | 17 10 | 5 47 |
| S 28 | 22 18 | 26 24 | 5 7 | 25 35 | 2 3 | 19 25 | 0 40 | 14 24 | 1 14 | 19 58 | 0 36 | 10 17 | 1 50 | 23 48 | 0 15 | 12 25 | 0 55 | 6 18 | 16 30 | 12 27 | 11 57 | 27 27 | 17 10 | 5 47 |
| M29 | 22 25 | 23 3 | 5 8 | 25 36 | 2 3 | 19 43 | 0 38 | 14 12 | 1 13 | 20 1 | 0 36 | 10 17 | 1 51 | 23 48 | 0 15 | 12 24 | 0 55 | 6 18 | 16 30 | 12 25 | 11 56 | 27 26 | 17 10 | 5 47 |
| T 30 | 22 32 | 18 20 | 4 50 | 25 35 | 2 3 | 20 0 | 0 36 | 14 0 | 1 12 | 20 4 | 0 36 | 10 16 | 1 51 | 23 48 | 0 15 | 12 24 | 0 55 | 6 18 | 16 30 | 12 24 | 11 55 | 27 25 | 17 9 | 5 47 |
| W31 | 22n39 | 12s44 | 4s14 | 25n32 | 2n 1 | 20n17 | 0s33 | 13n48 | 1n11 | 20n 6 | 0s36 | 10s16 | 1s51 | 23n48 | 0n15 | 12n24 | 0n55 | 6s18 | 16s30 | 12n23 | 11n54 | 27n25 | 17n 9 | 5s47 |

Julian Day Number = 2126970.5, Delta T = 17m07s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'05, Lahiri = 11°28'05 Julian Calendar 1 May 1111 == Greg. Calendar 8 May 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## JUNE 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 0 12 | 15♊28'15 | 21♓10 | 5♋28 | 4♊ 2 | 27♌11 | 2♊22 | 8♓11 | 28♊32 | 29♌59 | 23♈10 | 2°D28 | 1♉ 0 | 17♋12 | 13♋18 | T 1 |
| F 2 | 17 4 9 | 16°25'28 | 4♈29 | 7° 7 | 5°15 | 27°44 | 2°36 | 8°12 | 28°35 | 29°59 | 23°11 | 2♉29 | 0°57 | 17°19 | 13°24 | F 2 |
| S 3 | 17 8 5 | 17°22'40 | 17°29 | 8°43 | 6°29 | 28°16 | 2°49 | 8°13 | 28°39 | 0♍ 0 | 23°12 | 2°31 | 0°54 | 17°26 | 13°30 | S 3 |
| S 4 | 17 12 2 | 18°19'52 | 0♉13 | 10°18 | 7°42 | 28°49 | 3° 3 | 8°14 | 28°42 | 0° 1 | 23°13 | 2°R31 | 0°51 | 17°32 | 13°37 | S 4 |
| M 5 | 17 15 58 | 19°17'04 | 12°42 | 11°49 | 8°56 | 29°21 | 3°17 | 8°15 | 28°46 | 0° 2 | 23°14 | 2°31 | 0°48 | 17°39 | 13°43 | M 5 |
| T 6 | 17 19 55 | 20°14'16 | 25° 1 | 13°19 | 10° 9 | 29°54 | 3°30 | 8°16 | 28°50 | 0° 3 | 23°15 | 2°29 | 0°44 | 17°46 | 13°49 | T 6 |
| W 7 | 17 23 51 | 21°11'28 | 7♊11 | 14°46 | 11°23 | 0♍27 | 3°44 | 8°16 | 28°53 | 0° 4 | 23°16 | 2°24 | 0°41 | 17°53 | 13°56 | W 7 |
| T 8 | 17 27 48 | 22° 8'40 | 19°14 | 16°10 | 12°36 | 1° 0 | 3°58 | 8°17 | 28°57 | 0° 5 | 23°16 | 2°17 | 0°38 | 17°59 | 14° 2 | T 8 |
| F 9 | 17 31 45 | 23° 5'52 | 1♋12 | 17°32 | 13°50 | 1°34 | 4°11 | 8°17 | 29° 0 | 0° 6 | 23°17 | 2° 9 | 0°35 | 18° 6 | 14° 9 | F 9 |
| S 10 | 17 35 41 | 24° 3'03 | 13° 6 | 18°51 | 15° 3 | 2° 7 | 4°25 | 8°18 | 29° 4 | 0° 8 | 23°18 | 1°59 | 0°32 | 18°13 | 14°15 | S 10 |
| S 11 | 17 39 38 | 25° 0'14 | 24°58 | 20° 8 | 16°17 | 2°41 | 4°38 | 8°18 | 29° 8 | 0° 9 | 23°19 | 1°49 | 0°28 | 18°19 | 14°22 | S 11 |
| M12 | 17 43 34 | 25°57'25 | 6♌50 | 21°22 | 17°30 | 3°14 | 4°52 | 8°18 | 29°11 | 0°10 | 23°19 | 1°40 | 0°25 | 18°26 | 14°28 | M12 |
| T 13 | 17 47 31 | 26°54'36 | 18°43 | 22°33 | 18°44 | 3°48 | 5° 5 | 8°18 | 29°15 | 0°11 | 23°20 | 1°32 | 0°22 | 18°33 | 14°35 | T 13 |
| W14 | 17 51 27 | 27°51'46 | 0♍43 | 23°41 | 19°57 | 4°22 | 5°18 | 8°R18 | 29°18 | 0°12 | 23°21 | 1°26 | 0°19 | 18°40 | 14°41 | W14 |
| T 15 | 17 55 24 | 28°48'57 | 12°51 | 24°47 | 21°11 | 4°56 | 5°32 | 8°18 | 29°22 | 0°13 | 23°22 | 1°23 | 0°16 | 18°46 | 14°48 | T 15 |
| F 16 | 17 59 20 | 29°46'06 | 25°13 | 25°50 | 22°24 | 5°30 | 5°45 | 8°18 | 29°26 | 0°15 | 23°22 | 1°D22 | 0°13 | 18°53 | 14°55 | F 16 |
| S 17 | 18 3 17 | 0♎43'16 | 7♎53 | 26°49 | 23°38 | 6° 4 | 5°58 | 8°18 | 29°29 | 0°16 | 23°23 | 1°22 | 0° 9 | 19° 0 | 15° 1 | S 17 |
| S 18 | 18 7 14 | 1°40'26 | 20°55 | 27°46 | 24°52 | 6°38 | 6°11 | 8°17 | 29°33 | 0°17 | 23°23 | 1°22 | 0° 6 | 19° 7 | 15° 8 | S 18 |
| M19 | 18 11 10 | 2°37'35 | 4♏23 | 28°39 | 26° 5 | 7°13 | 6°25 | 8°17 | 29°37 | 0°19 | 23°24 | 1°R23 | 0° 3 | 19°13 | 15°14 | M19 |
| T 20 | 18 15 7 | 3°34'44 | 18°20 | 29°29 | 27°19 | 7°47 | 6°38 | 8°16 | 29°40 | 0°20 | 23°25 | 1°21 | 29♈59 | 19°20 | 15°21 | T 20 |
| W21 | 18 19 3 | 4°31'54 | 2♐45 | 0♌15 | 28°33 | 8°22 | 6°51 | 8°16 | 29°44 | 0°21 | 23°25 | 1°18 | 29°57 | 19°27 | 15°28 | W21 |
| T 22 | 18 23 0 | 5°29'03 | 17°36 | 0°58 | 29°46 | 8°57 | 7° 4 | 8°15 | 29°47 | 0°23 | 23°26 | 1°13 | 29°54 | 19°33 | 15°35 | T 22 |
| F 23 | 18 26 56 | 6°26'13 | 2♑45 | 1°37 | 1♋ 0 | 9°31 | 7°17 | 8°14 | 29°51 | 0°24 | 23°26 | 1° 5 | 29°50 | 19°40 | 15°41 | F 23 |
| S 24 | 18 30 53 | 7°23'23 | 18° 2 | 2°12 | 2°14 | 10° 6 | 7°30 | 8°13 | 29°55 | 0°26 | 23°27 | 0°56 | 29°47 | 19°47 | 15°48 | S 24 |
| S 25 | 18 34 49 | 8°20'33 | 3♒18 | 2°43 | 3°27 | 10°41 | 7°43 | 8°12 | 29°58 | 0°27 | 23°27 | 0°46 | 29°44 | 19°54 | 15°55 | S 25 |
| M26 | 18 38 46 | 9°17'44 | 18°19 | 3°10 | 4°41 | 11°16 | 7°55 | 8°11 | 0♋ 2 | 0°29 | 23°28 | 0°38 | 29°41 | 20° 0 | 16° 2 | M26 |
| T 27 | 18 42 43 | 10°14'56 | 3♓ 0 | 3°32 | 5°55 | 11°52 | 8° 8 | 8° 9 | 0° 5 | 0°30 | 23°28 | 0°31 | 29°38 | 20° 7 | 16° 8 | T 27 |
| W28 | 18 46 39 | 11°12'07 | 17°14 | 3°50 | 7° 9 | 12°27 | 8°21 | 8° 8 | 0° 9 | 0°32 | 23°29 | 0°27 | 29°34 | 20°14 | 16°15 | W28 |
| T 29 | 18 50 36 | 12° 9'20 | 0♈59 | 4° 3 | 8°22 | 13° 2 | 8°34 | 8° 7 | 0°12 | 0°34 | 23°29 | 0°25 | 29°31 | 20°20 | 16°22 | T 29 |
| F 30 | 18 54 32 | 13♋ 6'34 | 14♈18 | 4♌12 | 9♋36 | 13♍38 | 8♊46 | 8♓ 5 | 0♋16 | 0♍35 | 23♈29 | 0°D24 | 29♈28 | 20♋27 | 16♋29 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n46 | 6s39 | 3s25 | 25n26 | 2n 0 | 20n33 | 0s31 | 13n36 | 1n10 | 20n 9 | 0s36 | 10s16 | 1s51 | 23n48 | 0n15 | 12n23 | 0n55 | 6s18 | 16s31 | 12n23 | 11n53 | 27n24 | 17n 9 | 5s46 | |
| F 2 | 22 52 | 0 26 | 2 26 | 25 19 | 1 57 | 20 49 | 0 29 | 13 24 | 1 9 | 20 12 | 0 36 | 10 16 | 1 52 | 23 48 | 0 15 | 12 23 | 0 55 | 6 18 | 16 31 | 12 24 | 11 52 | 27 23 | 17 8 | 5 46 | |
| S 3 | 22 57 | 5n39 | 1 20 | 25 10 | 1 54 | 21 4 | 0 26 | 13 12 | 1 8 | 20 15 | 0 36 | 10 15 | 1 52 | 23 48 | 0 15 | 12 23 | 0 55 | 6 18 | 16 31 | 12 24 | 11 51 | 27 23 | 17 8 | 5 46 | |
| S 4 | 23 2 | 11 24 | 0 13 | 24 59 | 1 50 | 21 18 | 0 24 | 12 59 | 1 7 | 20 17 | 0 35 | 10 15 | 1 52 | 23 48 | 0 15 | 12 22 | 0 55 | 6 18 | 16 31 | 12 25 | 11 49 | 27 22 | 17 7 | 5 46 | |
| M 5 | 23 7 | 16 36 | 0n55 | 24 47 | 1 46 | 21 32 | 0 22 | 12 47 | 1 6 | 20 20 | 0 35 | 10 15 | 1 52 | 23 48 | 0 15 | 12 22 | 0 55 | 6 18 | 16 32 | 12 24 | 11 48 | 27 21 | 17 7 | 5 46 | |
| T 6 | 23 12 | 21 2 | 1 58 | 24 33 | 1 41 | 21 46 | 0 19 | 12 34 | 1 5 | 20 23 | 0 35 | 10 15 | 1 53 | 23 48 | 0 15 | 12 22 | 0 55 | 6 18 | 16 32 | 12 23 | 11 47 | 27 20 | 17 6 | 5 46 | |
| W 7 | 23 16 | 24 30 | 2 55 | 24 18 | 1 35 | 21 59 | 0 17 | 12 21 | 1 4 | 20 25 | 0 35 | 10 15 | 1 53 | 23 48 | 0 15 | 12 21 | 0 55 | 6 17 | 16 32 | 12 22 | 11 46 | 27 20 | 17 6 | 5 45 | |
| T 8 | 23 19 | 26 50 | 3 44 | 24 2 | 1 29 | 22 11 | 0 14 | 12 9 | 1 3 | 20 28 | 0 35 | 10 15 | 1 53 | 23 48 | 0 15 | 12 21 | 0 55 | 6 17 | 16 32 | 12 20 | 11 45 | 27 19 | 17 5 | 5 45 | |
| F 9 | 23 23 | 27 55 | 4 22 | 23 45 | 1 22 | 22 22 | 0 12 | 11 56 | 1 2 | 20 31 | 0 35 | 10 15 | 1 53 | 23 48 | 0 15 | 12 20 | 0 55 | 6 17 | 16 33 | 12 17 | 11 44 | 27 18 | 17 5 | 5 45 | |
| S 10 | 23 25 | 27 42 | 4 49 | 23 27 | 1 14 | 22 33 | 0 10 | 11 43 | 1 1 | 20 33 | 0 35 | 10 15 | 1 54 | 23 48 | 0 15 | 12 20 | 0 55 | 6 17 | 16 33 | 12 13 | 11 43 | 27 17 | 17 4 | 5 45 | |
| S 11 | 23 28 | 26 12 | 5 3 | 23 8 | 1 6 | 22 44 | 0 7 | 11 30 | 1 0 | 20 36 | 0 35 | 10 15 | 1 54 | 23 48 | 0 15 | 12 20 | 0 55 | 6 17 | 16 33 | 12 10 | 11 42 | 27 17 | 17 4 | 5 45 | |
| M12 | 23 30 | 23 33 | 5 4 | 22 48 | 0 58 | 22 53 | 0 5 | 11 17 | 0 59 | 20 38 | 0 35 | 10 15 | 1 54 | 23 48 | 0 15 | 12 19 | 0 55 | 6 17 | 16 33 | 12 7 | 11 41 | 27 16 | 17 3 | 5 45 | |
| T 13 | 23 31 | 19 54 | 4 52 | 22 27 | 0 49 | 23 2 | 0 2 | 11 3 | 0 58 | 20 41 | 0 35 | 10 16 | 1 54 | 23 48 | 0 15 | 12 19 | 0 55 | 6 17 | 16 34 | 12 4 | 11 39 | 27 15 | 17 3 | 5 45 | |
| W14 | 23 32 | 15 25 | 4 27 | 22 6 | 0 39 | 23 11 | 0n 0 | 10 50 | 0 57 | 20 43 | 0 35 | 10 16 | 1 55 | 23 48 | 0 15 | 12 18 | 0 55 | 6 17 | 16 34 | 12 2 | 11 38 | 27 14 | 17 2 | 5 44 | |
| T 15 | 23 33 | 10 18 | 3 49 | 21 45 | 0 29 | 23 18 | 0 2 | 10 37 | 0 56 | 20 46 | 0 35 | 10 16 | 1 55 | 23 48 | 0 15 | 12 18 | 0 55 | 6 17 | 16 34 | 12 1 | 11 37 | 27 14 | 17 2 | 5 44 | |
| F 16 | 23 33 | 4 40 | 3 1 | 21 23 | 0 18 | 23 25 | 0 5 | 10 23 | 0 55 | 20 48 | 0 35 | 10 16 | 1 55 | 23 48 | 0 15 | 12 17 | 0 55 | 6 18 | 16 35 | 12 0 | 11 36 | 27 13 | 17 1 | 5 44 | |
| S 17 | 23 33 | 1s16 | 2 2 | 21 1 | 0 7 | 23 31 | 0 7 | 10 10 | 0 54 | 20 50 | 0 35 | 10 17 | 1 55 | 23 48 | 0 15 | 12 17 | 0 55 | 6 18 | 16 35 | 12 0 | 11 35 | 27 12 | 17 0 | 5 44 | |
| S 18 | 23 33 | 7 21 | 0 56 | 20 38 | 0s 4 | 23 37 | 0 10 | 9 56 | 0 53 | 20 53 | 0 35 | 10 17 | 1 56 | 23 48 | 0 15 | 12 16 | 0 55 | 6 18 | 16 35 | 12 1 | 11 34 | 27 11 | 17 0 | 5 44 | |
| M19 | 23 32 | 13 18 | 0s16 | 20 16 | 0 16 | 23 42 | 0 12 | 9 42 | 0 52 | 20 55 | 0 35 | 10 18 | 1 56 | 23 48 | 0 15 | 12 16 | 0 54 | 6 18 | 16 36 | 12 1 | 11 33 | 27 10 | 16 59 | 5 44 | |
| T 20 | 23 30 | 18 48 | 1 29 | 19 53 | 0 29 | 23 46 | 0 14 | 9 28 | 0 51 | 20 57 | 0 35 | 10 18 | 1 56 | 23 48 | 0 15 | 12 15 | 0 54 | 6 18 | 16 36 | 12 0 | 11 32 | 27 9 | 16 58 | 5 44 | |
| W21 | 23 29 | 23 25 | 2 39 | 19 31 | 0 42 | 23 50 | 0 17 | 9 15 | 0 50 | 21 0 | 0 35 | 10 19 | 1 56 | 23 48 | 0 15 | 12 15 | 0 54 | 6 18 | 16 36 | 11 59 | 11 30 | 27 9 | 16 58 | 5 44 | |
| T 22 | 23 27 | 26 37 | 3 40 | 19 9 | 0 55 | 23 52 | 0 19 | 9 1 | 0 49 | 21 2 | 0 34 | 10 19 | 1 57 | 23 48 | 0 15 | 12 14 | 0 54 | 6 18 | 16 36 | 11 57 | 11 29 | 27 8 | 16 57 | 5 44 | |
| F 23 | 23 24 | 27 58 | 4 27 | 18 48 | 1 8 | 23 55 | 0 21 | 8 47 | 0 48 | 21 4 | 0 34 | 10 20 | 1 57 | 23 48 | 0 15 | 12 14 | 0 54 | 6 18 | 16 37 | 11 54 | 11 28 | 27 7 | 16 56 | 5 44 | |
| S 24 | 23 21 | 27 12 | 4 55 | 18 26 | 1 22 | 23 56 | 0 24 | 8 32 | 0 47 | 21 6 | 0 34 | 10 20 | 1 57 | 23 48 | 0 15 | 12 13 | 0 54 | 6 18 | 16 37 | 11 51 | 11 27 | 27 6 | 16 56 | 5 44 | |
| S 25 | 23 18 | 24 25 | 5 2 | 18 6 | 1 36 | 23 57 | 0 26 | 8 18 | 0 46 | 21 8 | 0 34 | 10 21 | 1 57 | 23 48 | 0 15 | 12 13 | 0 54 | 6 18 | 16 37 | 11 48 | 11 26 | 27 5 | 16 55 | 5 44 | |
| M26 | 23 14 | 19 58 | 4 48 | 17 46 | 1 50 | 23 57 | 0 28 | 8 4 | 0 45 | 21 10 | 0 34 | 10 22 | 1 58 | 23 48 | 0 15 | 12 12 | 0 54 | 6 18 | 16 38 | 11 45 | 11 25 | 27 4 | 16 54 | 5 44 | |
| T 27 | 23 10 | 14 25 | 4 16 | 17 27 | 2 4 | 23 56 | 0 30 | 7 50 | 0 44 | 21 13 | 0 34 | 10 22 | 1 58 | 23 48 | 0 15 | 12 12 | 0 54 | 6 19 | 16 38 | 11 43 | 11 24 | 27 3 | 16 53 | 5 44 | |
| W28 | 23 5 | 8 15 | 3 28 | 17 9 | 2 18 | 23 54 | 0 33 | 7 35 | 0 43 | 21 15 | 0 34 | 10 23 | 1 58 | 23 48 | 0 15 | 12 11 | 0 54 | 6 19 | 16 38 | 11 41 | 11 23 | 27 3 | 16 53 | 5 44 | |
| T 29 | 23 0 | 1 53 | 2 29 | 16 52 | 2 32 | 23 52 | 0 35 | 7 21 | 0 42 | 21 17 | 0 34 | 10 24 | 1 58 | 23 49 | 0 15 | 12 11 | 0 54 | 6 19 | 16 39 | 11 40 | 11 21 | 27 2 | 16 52 | 5 44 | |
| F 30 | 22n54 | 4n22 | 1s24 | 16n36 | 2s47 | 23n49 | 0n37 | 7n 6 | 0n41 | 21n19 | 0s34 | 10s25 | 1s59 | 23n49 | 0n15 | 12n10 | 0n54 | 6s19 | 16s39 | 11n40 | 11n20 | 27n 1 | 16n51 | 5s44 | |

Julian Day Number = 2127001.5, Delta T = 17m07s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'09, Lahiri = 11°28'09 Julian Calendar 1 June 1111 == Greg. Calendar 8 June 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## JULY 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 58 29 | 14♋ 3'48 | 27♈14 | 4°R16 | 10♋50 | 14♍13 | 8♊59 | 8°R 3 | 0♋20 | 0♍37 | 23♈30 | 0°R24 | 29♈25 | 20♋34 | 16♋35 | S 1 |
| S 2 | 19 2 25 | 15° 1'03 | 9♉49 | 4♌15 | 12° 4 | 14°49 | 9°11 | 8♓ 2 | 0°23 | 0°38 | 23°30 | 0♉24 | 29°22 | 20°41 | 16°42 | S 2 |
| M 3 | 19 6 22 | 15°58'19 | 22° 9 | 4° 9 | 13°18 | 15°25 | 9°24 | 8° 0 | 0°27 | 0°40 | 23°31 | 0°22 | 29°19 | 20°47 | 16°49 | M 3 |
| T 4 | 19 10 18 | 16°55'36 | 4♊18 | 3°58 | 14°31 | 16° 1 | 9°36 | 7°58 | 0°30 | 0°42 | 23°31 | 0°18 | 29°15 | 20°54 | 16°56 | T 4 |
| W 5 | 19 14 15 | 17°52'54 | 16°19 | 3°42 | 15°45 | 16°37 | 9°49 | 7°56 | 0°34 | 0°44 | 23°31 | 0°11 | 29°12 | 21° 1 | 17° 3 | W 5 |
| T 6 | 19 18 12 | 18°50'12 | 28°15 | 3°22 | 16°59 | 17°13 | 10° 1 | 7°54 | 0°37 | 0°45 | 23°31 | 0° 1 | 29° 9 | 21° 8 | 17°10 | T 6 |
| F 7 | 19 22 8 | 19°47'32 | 10♋ 8 | 2°56 | 18°13 | 17°49 | 10°13 | 7°51 | 0°41 | 0°47 | 23°32 | 29♈49 | 29° 6 | 21°14 | 17°16 | F 7 |
| S 8 | 19 26 5 | 20°44'52 | 21°59 | 2°27 | 19°27 | 18°26 | 10°25 | 7°49 | 0°44 | 0°49 | 23°32 | 29°36 | 29° 3 | 21°21 | 17°23 | S 8 |
| S 9 | 19 30 1 | 21°42'13 | 3♌52 | 1°53 | 20°41 | 19° 2 | 10°37 | 7°47 | 0°48 | 0°51 | 23°32 | 29°22 | 29° 0 | 21°28 | 17°30 | S 9 |
| M10 | 19 33 58 | 22°39'34 | 15°45 | 1°16 | 21°55 | 19°38 | 10°49 | 7°44 | 0°51 | 0°53 | 23°32 | 29° 9 | 28°56 | 21°34 | 17°37 | M10 |
| T 11 | 19 37 54 | 23°36'57 | 27°43 | 0°36 | 23° 9 | 20°15 | 11° 1 | 7°42 | 0°54 | 0°54 | 23°32 | 28°58 | 28°53 | 21°41 | 17°44 | T 11 |
| W12 | 19 41 51 | 24°34'20 | 9♍46 | 29♋53 | 24°23 | 20°52 | 11°13 | 7°39 | 0°58 | 0°56 | 23°33 | 28°49 | 28°50 | 21°48 | 17°50 | W12 |
| T 13 | 19 45 48 | 25°31'43 | 21°57 | 29° 9 | 25°37 | 21°28 | 11°25 | 7°36 | 1° 1 | 0°58 | 23°33 | 28°43 | 28°47 | 21°55 | 17°57 | T 13 |
| F 14 | 19 49 44 | 26°29'08 | 4♎20 | 28°24 | 26°51 | 22° 5 | 11°36 | 7°34 | 1° 5 | 1° 0 | 23°33 | 28°40 | 28°44 | 22° 1 | 18° 4 | F 14 |
| S 15 | 19 53 41 | 27°26'33 | 16°58 | 27°38 | 28° 5 | 22°42 | 11°48 | 7°31 | 1° 8 | 1° 2 | 23°33 | 28°39 | 28°40 | 22° 8 | 18°11 | S 15 |
| S 16 | 19 57 37 | 28°23'59 | 29°56 | 26°53 | 29°19 | 23°19 | 11°59 | 7°28 | 1°11 | 1° 4 | 23°33 | 28°38 | 28°37 | 22°15 | 18°18 | S 16 |
| M17 | 20 1 34 | 29°21'25 | 13♏18 | 26° 9 | 0♌33 | 23°56 | 12°11 | 7°25 | 1°15 | 1° 6 | 23°33 | 28°38 | 28°34 | 22°22 | 18°24 | M17 |
| T 18 | 20 5 30 | 0♌18'53 | 27° 7 | 25°28 | 1°47 | 24°34 | 12°22 | 7°21 | 1°18 | 1° 8 | 23°R33 | 28°37 | 28°31 | 22°28 | 18°31 | T 18 |
| W19 | 20 9 27 | 1°16'21 | 11♐24 | 24°50 | 3° 1 | 25°11 | 12°34 | 7°18 | 1°21 | 1°10 | 23°33 | 28°33 | 28°28 | 22°35 | 18°38 | W19 |
| T 20 | 20 13 23 | 2°13'50 | 26° 7 | 24°15 | 4°16 | 25°48 | 12°45 | 7°15 | 1°24 | 1°12 | 23°33 | 28°26 | 28°25 | 22°42 | 18°45 | T 20 |
| F 21 | 20 17 20 | 3°11'20 | 11♑11 | 23°46 | 5°30 | 26°26 | 12°56 | 7°12 | 1°28 | 1°14 | 23°33 | 28°18 | 28°21 | 22°48 | 18°51 | F 21 |
| S 22 | 20 21 17 | 4° 8'51 | 26°28 | 23°21 | 6°44 | 27° 3 | 13° 7 | 7° 8 | 1°31 | 1°16 | 23°33 | 28° 7 | 28°18 | 22°55 | 18°58 | S 22 |
| S 23 | 20 25 13 | 5° 6'24 | 11♒46 | 23° 2 | 7°58 | 27°41 | 13°18 | 7° 5 | 1°34 | 1°18 | 23°33 | 27°57 | 28°15 | 23° 2 | 19° 5 | S 23 |
| M24 | 20 29 10 | 6° 3'57 | 26°55 | 22°50 | 9°12 | 28°19 | 13°29 | 7° 1 | 1°37 | 1°20 | 23°33 | 27°47 | 28°12 | 23° 9 | 19°11 | M24 |
| T 25 | 20 33 6 | 7° 1'32 | 11♓44 | 22°D44 | 10°26 | 28°56 | 13°40 | 6°58 | 1°40 | 1°22 | 23°33 | 27°39 | 28° 9 | 23°15 | 19°18 | T 25 |
| W26 | 20 37 3 | 7°59'08 | 26° 6 | 22°45 | 11°40 | 29°34 | 13°50 | 6°54 | 1°43 | 1°24 | 23°32 | 27°34 | 28° 6 | 23°22 | 19°25 | W26 |
| T 27 | 20 40 59 | 8°56'45 | 10♈ 0 | 22°53 | 12°55 | 0♎12 | 14° 1 | 6°50 | 1°46 | 1°26 | 23°32 | 27°31 | 28° 2 | 23°29 | 19°31 | T 27 |
| F 28 | 20 44 56 | 9°54'25 | 23°24 | 23° 9 | 14° 9 | 0°50 | 14°11 | 6°46 | 1°49 | 1°28 | 23°32 | 27°D30 | 27°59 | 23°35 | 19°38 | F 28 |
| S 29 | 20 48 52 | 10°52'05 | 6♉22 | 23°31 | 15°23 | 1°28 | 14°22 | 6°42 | 1°52 | 1°30 | 23°32 | 27°R30 | 27°56 | 23°42 | 19°44 | S 29 |
| S 30 | 20 52 49 | 11°49'48 | 18°57 | 24° 2 | 16°37 | 2° 7 | 14°32 | 6°39 | 1°55 | 1°32 | 23°32 | 27°30 | 27°53 | 23°49 | 19°51 | S 30 |
| M31 | 20 56 46 | 12♌47'32 | 1♊15 | 24♋39 | 17♌52 | 2♎45 | 14♊42 | 6♓35 | 1♋58 | 1♍34 | 23♈31 | 27♈28 | 27♈50 | 23♋56 | 19♋58 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n49 | 10n16 | 0s17 | 16n22 | 3s 1 | 23n46 | 0n39 | 6n52 | 0n41 | 21n21 | 0s34 | 10s25 | 1s59 | 23n49 | 0n15 | 12n 9 | 0n54 | 6s19 | 16s39 | 11n40 | 11n19 | 27n 0 | 16n50 | 5s44 |
| S 2 | 22 42 | 15 37 | 0n50 | 16 9 | 3 14 | 23 41 | 0 41 | 6 37 | 0 40 | 21 23 | 0 34 | 10 26 | 1 59 | 23 49 | 0 15 | 12 9 | 0 54 | 6 19 | 16 40 | 11 40 | 11 18 | 26 59 | 16 49 | 5 44 |
| M 3 | 22 36 | 20 12 | 1 52 | 15 57 | 3 28 | 23 36 | 0 43 | 6 22 | 0 39 | 21 24 | 0 34 | 10 27 | 1 59 | 23 49 | 0 15 | 12 8 | 0 54 | 6 20 | 16 40 | 11 39 | 11 17 | 26 58 | 16 48 | 5 44 |
| T 4 | 22 29 | 23 53 | 2 49 | 15 47 | 3 41 | 23 31 | 0 45 | 6 7 | 0 38 | 21 26 | 0 34 | 10 28 | 2 0 | 23 49 | 0 15 | 12 8 | 0 54 | 6 20 | 16 40 | 11 38 | 11 16 | 26 57 | 16 48 | 5 44 |
| W 5 | 22 21 | 26 27 | 3 37 | 15 39 | 3 53 | 23 24 | 0 47 | 5 53 | 0 37 | 21 28 | 0 34 | 10 29 | 2 0 | 23 49 | 0 15 | 12 7 | 0 54 | 6 20 | 16 41 | 11 36 | 11 15 | 26 56 | 16 47 | 5 44 |
| T 6 | 22 14 | 27 48 | 4 16 | 15 32 | 4 4 | 23 17 | 0 49 | 5 38 | 0 36 | 21 30 | 0 34 | 10 30 | 2 0 | 23 49 | 0 15 | 12 6 | 0 54 | 6 20 | 16 41 | 11 32 | 11 14 | 26 55 | 16 46 | 5 44 |
| F 7 | 22 5 | 27 52 | 4 42 | 15 28 | 4 15 | 23 9 | 0 51 | 5 23 | 0 35 | 21 32 | 0 34 | 10 31 | 2 0 | 23 49 | 0 15 | 12 6 | 0 54 | 6 20 | 16 41 | 11 28 | 11 12 | 26 54 | 16 45 | 5 44 |
| S 8 | 21 57 | 26 38 | 4 57 | 15 25 | 4 24 | 23 1 | 0 53 | 5 7 | 0 34 | 21 34 | 0 34 | 10 32 | 2 0 | 23 48 | 0 15 | 12 5 | 0 54 | 6 21 | 16 42 | 11 23 | 11 11 | 26 53 | 16 44 | 5 44 |
| S 9 | 21 48 | 24 13 | 4 59 | 15 24 | 4 33 | 22 51 | 0 55 | 4 52 | 0 33 | 21 35 | 0 34 | 10 33 | 2 1 | 23 48 | 0 15 | 12 4 | 0 54 | 6 21 | 16 42 | 11 18 | 11 10 | 26 52 | 16 43 | 5 44 |
| M10 | 21 39 | 20 45 | 4 47 | 15 25 | 4 40 | 22 42 | 0 57 | 4 37 | 0 33 | 21 37 | 0 34 | 10 35 | 2 1 | 23 48 | 0 15 | 12 4 | 0 54 | 6 21 | 16 42 | 11 14 | 11 9 | 26 51 | 16 42 | 5 44 |
| T 11 | 21 29 | 16 26 | 4 23 | 15 29 | 4 45 | 22 31 | 0 58 | 4 22 | 0 32 | 21 39 | 0 34 | 10 36 | 2 1 | 23 48 | 0 15 | 12 3 | 0 54 | 6 21 | 16 43 | 11 9 | 11 8 | 26 50 | 16 41 | 5 44 |
| W12 | 21 19 | 11 27 | 3 47 | 15 34 | 4 49 | 22 20 | 1 0 | 4 7 | 0 31 | 21 41 | 0 34 | 10 37 | 2 1 | 23 48 | 0 15 | 12 2 | 0 54 | 6 22 | 16 43 | 11 6 | 11 7 | 26 49 | 16 40 | 5 44 |
| T 13 | 21 8 | 5 58 | 3 1 | 15 40 | 4 52 | 22 8 | 1 2 | 3 51 | 0 30 | 21 42 | 0 34 | 10 38 | 2 2 | 23 48 | 0 15 | 12 2 | 0 54 | 6 22 | 16 43 | 11 4 | 11 6 | 26 48 | 16 39 | 5 44 |
| F 14 | 20 58 | 0 11 | 2 5 | 15 49 | 4 52 | 21 55 | 1 3 | 3 36 | 0 29 | 21 44 | 0 34 | 10 39 | 2 2 | 23 48 | 0 15 | 12 1 | 0 54 | 6 22 | 16 44 | 11 3 | 11 4 | 26 47 | 16 38 | 5 44 |
| S 15 | 20 46 | 5s45 | 1 1 | 15 59 | 4 51 | 21 42 | 1 5 | 3 20 | 0 28 | 21 45 | 0 34 | 10 41 | 2 2 | 23 48 | 0 15 | 12 0 | 0 54 | 6 22 | 16 44 | 11 3 | 11 3 | 26 46 | 16 37 | 5 45 |
| S 16 | 20 35 | 11 37 | 0s 7 | 16 11 | 4 48 | 21 28 | 1 6 | 3 5 | 0 27 | 21 47 | 0 34 | 10 42 | 2 2 | 23 48 | 0 15 | 12 0 | 0 54 | 6 23 | 16 44 | 11 3 | 11 2 | 26 45 | 16 36 | 5 45 |
| M17 | 20 23 | 17 8 | 1 17 | 16 23 | 4 43 | 21 14 | 1 8 | 2 49 | 0 27 | 21 49 | 0 34 | 10 43 | 2 2 | 23 48 | 0 15 | 11 59 | 0 54 | 6 23 | 16 45 | 11 3 | 11 1 | 26 44 | 16 35 | 5 45 |
| T 18 | 20 11 | 21 57 | 2 24 | 16 37 | 4 36 | 20 59 | 1 9 | 2 34 | 0 26 | 21 50 | 0 33 | 10 45 | 2 3 | 23 48 | 0 15 | 11 58 | 0 54 | 6 23 | 16 45 | 11 2 | 11 0 | 26 43 | 16 34 | 5 45 |
| W19 | 19 58 | 25 39 | 3 25 | 16 52 | 4 28 | 20 43 | 1 11 | 2 18 | 0 25 | 21 52 | 0 33 | 10 46 | 2 3 | 23 48 | 0 15 | 11 57 | 0 54 | 6 24 | 16 45 | 11 1 | 10 59 | 26 42 | 16 33 | 5 45 |
| T 20 | 19 46 | 27 44 | 4 14 | 17 8 | 4 18 | 20 27 | 1 12 | 2 3 | 0 24 | 21 53 | 0 33 | 10 47 | 2 3 | 23 48 | 0 15 | 11 57 | 0 54 | 6 24 | 16 46 | 10 58 | 10 58 | 26 41 | 16 32 | 5 45 |
| F 21 | 19 32 | 27 51 | 4 47 | 17 24 | 4 7 | 20 10 | 1 13 | 1 47 | 0 23 | 21 55 | 0 33 | 10 49 | 2 3 | 23 48 | 0 15 | 11 56 | 0 54 | 6 24 | 16 46 | 10 55 | 10 57 | 26 40 | 16 31 | 5 45 |
| S 22 | 19 19 | 25 52 | 5 0 | 17 41 | 3 54 | 19 53 | 1 14 | 1 31 | 0 22 | 21 56 | 0 33 | 10 50 | 2 3 | 23 48 | 0 15 | 11 55 | 0 54 | 6 25 | 16 46 | 10 52 | 10 55 | 26 39 | 16 30 | 5 46 |
| S 23 | 19 5 | 22 0 | 4 52 | 17 57 | 3 40 | 19 35 | 1 15 | 1 15 | 0 22 | 21 57 | 0 33 | 10 52 | 2 4 | 23 48 | 0 15 | 11 55 | 0 54 | 6 25 | 16 47 | 10 48 | 10 54 | 26 38 | 16 29 | 5 46 |
| M24 | 18 51 | 16 43 | 4 23 | 18 14 | 3 26 | 19 16 | 1 17 | 1 0 | 0 21 | 21 59 | 0 33 | 10 53 | 2 4 | 23 48 | 0 15 | 11 54 | 0 54 | 6 25 | 16 47 | 10 44 | 10 53 | 26 37 | 16 28 | 5 46 |
| T 25 | 18 36 | 10 32 | 3 37 | 18 30 | 3 10 | 18 57 | 1 18 | 0 44 | 0 20 | 22 0 | 0 33 | 10 55 | 2 4 | 23 48 | 0 15 | 11 53 | 0 54 | 6 26 | 16 47 | 10 41 | 10 52 | 26 36 | 16 27 | 5 46 |
| W26 | 18 22 | 3 58 | 2 38 | 18 46 | 2 54 | 18 37 | 1 18 | 0 28 | 0 19 | 22 1 | 0 33 | 10 56 | 2 4 | 23 48 | 0 15 | 11 52 | 0 54 | 6 26 | 16 48 | 10 39 | 10 51 | 26 34 | 16 26 | 5 46 |
| T 27 | 18 7 | 2n35 | 1 31 | 19 1 | 2 37 | 18 17 | 1 19 | 0 12 | 0 18 | 22 3 | 0 33 | 10 58 | 2 4 | 23 48 | 0 16 | 11 52 | 0 54 | 6 26 | 16 48 | 10 38 | 10 50 | 26 33 | 16 25 | 5 47 |
| F 28 | 17 51 | 8 48 | 0 22 | 19 15 | 2 21 | 17 57 | 1 20 | 0s 4 | 0 17 | 22 4 | 0 33 | 11 0 | 2 4 | 23 48 | 0 16 | 11 51 | 0 54 | 6 27 | 16 48 | 10 38 | 10 49 | 26 32 | 16 24 | 5 47 |
| S 29 | 17 35 | 14 27 | 0n47 | 19 28 | 2 4 | 17 35 | 1 21 | 0 20 | 0 17 | 22 5 | 0 33 | 11 1 | 2 5 | 23 48 | 0 16 | 11 50 | 0 54 | 6 27 | 16 48 | 10 38 | 10 47 | 26 31 | 16 22 | 5 47 |
| S 30 | 17 20 | 19 19 | 1 51 | 19 40 | 1 46 | 17 14 | 1 22 | 0 36 | 0 16 | 22 6 | 0 33 | 11 3 | 2 5 | 23 48 | 0 16 | 11 49 | 0 54 | 6 27 | 16 49 | 10 38 | 10 46 | 26 30 | 16 21 | 5 47 |
| M31 | 17n 3 | 23n16 | 2n49 | 19n50 | 1s29 | 16n52 | 1n22 | 0s52 | 0n15 | 22n 8 | 0s33 | 11s 4 | 2s 5 | 23n48 | 0n16 | 11n49 | 0n54 | 6s28 | 16s49 | 10n37 | 10n45 | 26n29 | 16n20 | 5s47 |

Julian Day Number = 2127031.5, Delta T = 17m06s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'13, Lahiri = 11°28'13 Julian Calendar 1 July 1111 == Greg. Calendar 8 July 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## AUGUST 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 0 42 | 13♌45'18 | 13♊20 | 25♋24 | 19♌ 6 | 3♎23 | 14♊52 | 6°R31 | 2♋ 1 | 1♍37 | 23°R31 | 27°R25 | 27♈46 | 24♋ 2 | 20♋ 4 | T 1 |
| W 2 | 21 4 39 | 14°43'06 | 25°17 | 26°16 | 20°20 | 4° 2 | 15° 2 | 6♓26 | 2° 4 | 1°39 | 23♈31 | 27♈19 | 27°43 | 24° 9 | 20°11 | W 2 |
| T 3 | 21 8 35 | 15°40'55 | 7♋10 | 27°14 | 21°34 | 4°40 | 15°12 | 6°22 | 2° 7 | 1°41 | 23°30 | 27°10 | 27°40 | 24°16 | 20°17 | T 3 |
| F 4 | 21 12 32 | 16°38'46 | 19° 1 | 28°19 | 22°49 | 5°19 | 15°22 | 6°18 | 2°10 | 1°43 | 23°30 | 26°59 | 27°37 | 24°23 | 20°23 | F 4 |
| S 5 | 21 16 28 | 17°36'39 | 0♌53 | 29°31 | 24° 3 | 5°58 | 15°31 | 6°14 | 2°13 | 1°45 | 23°30 | 26°47 | 27°34 | 24°29 | 20°30 | S 5 |
| S 6 | 21 20 25 | 18°34'33 | 12°48 | 0♌48 | 25°17 | 6°37 | 15°41 | 6°10 | 2°16 | 1°47 | 23°29 | 26°34 | 27°31 | 24°36 | 20°36 | S 6 |
| M 7 | 21 24 21 | 19°32'29 | 24°48 | 2°11 | 26°32 | 7°15 | 15°50 | 6° 5 | 2°18 | 1°50 | 23°29 | 26°22 | 27°27 | 24°43 | 20°42 | M 7 |
| T 8 | 21 28 18 | 20°30'26 | 6♍53 | 3°40 | 27°46 | 7°54 | 16° 0 | 6° 1 | 2°21 | 1°52 | 23°29 | 26°11 | 27°24 | 24°49 | 20°49 | T 8 |
| W 9 | 21 32 15 | 21°28'25 | 19° 5 | 5°13 | 29° 0 | 8°33 | 16° 9 | 5°57 | 2°24 | 1°54 | 23°28 | 26° 3 | 27°21 | 24°56 | 20°55 | W 9 |
| T 10 | 21 36 11 | 22°26'25 | 1♎26 | 6°50 | 0♍15 | 9°13 | 16°18 | 5°52 | 2°26 | 1°56 | 23°28 | 25°58 | 27°18 | 25° 3 | 21° 1 | T 10 |
| F 11 | 21 40 8 | 23°24'27 | 13°57 | 8°31 | 1°29 | 9°52 | 16°27 | 5°48 | 2°29 | 1°58 | 23°27 | 25°55 | 27°15 | 25°10 | 21° 8 | F 11 |
| S 12 | 21 44 4 | 24°22'30 | 26°42 | 10°15 | 2°44 | 10°31 | 16°36 | 5°43 | 2°31 | 2° 1 | 23°27 | 25°D54 | 27°12 | 25°16 | 21°14 | S 12 |
| S 13 | 21 48 1 | 25°20'35 | 9♏43 | 12° 2 | 3°58 | 11°11 | 16°44 | 5°39 | 2°34 | 2° 3 | 23°26 | 25°55 | 27° 8 | 25°23 | 21°20 | S 13 |
| M14 | 21 51 57 | 26°18'41 | 23° 3 | 13°52 | 5°12 | 11°50 | 16°53 | 5°34 | 2°36 | 2° 5 | 23°26 | 25°R56 | 27° 5 | 25°30 | 21°26 | M14 |
| T 15 | 21 55 54 | 27°16'49 | 6♐45 | 15°44 | 6°27 | 12°29 | 17° 1 | 5°30 | 2°39 | 2° 7 | 23°25 | 25°55 | 27° 2 | 25°37 | 21°32 | T 15 |
| W16 | 21 59 50 | 28°14'58 | 20°50 | 17°37 | 7°41 | 13° 9 | 17°10 | 5°25 | 2°41 | 2° 9 | 23°25 | 25°53 | 26°59 | 25°43 | 21°38 | W16 |
| T 17 | 22 3 47 | 29°13'08 | 5♑19 | 19°31 | 8°56 | 13°49 | 17°18 | 5°21 | 2°44 | 2°12 | 23°24 | 25°49 | 26°56 | 25°50 | 21°44 | T 17 |
| F 18 | 22 7 44 | 0♍11'21 | 20° 6 | 21°26 | 10°10 | 14°29 | 17°26 | 5°16 | 2°46 | 2°14 | 23°23 | 25°42 | 26°52 | 25°57 | 21°50 | F 18 |
| S 19 | 22 11 40 | 1° 9'34 | 5♒ 7 | 23°21 | 11°24 | 15° 8 | 17°34 | 5°11 | 2°48 | 2°16 | 23°23 | 25°35 | 26°49 | 26° 3 | 21°56 | S 19 |
| S 20 | 22 15 37 | 2° 7'50 | 20°12 | 25°17 | 12°39 | 15°48 | 17°42 | 5° 7 | 2°51 | 2°18 | 23°22 | 25°27 | 26°46 | 26°10 | 22° 2 | S 20 |
| M21 | 22 19 33 | 3° 6'07 | 5♓11 | 27°13 | 13°53 | 16°28 | 17°49 | 5° 2 | 2°53 | 2°21 | 23°22 | 25°19 | 26°43 | 26°17 | 22° 7 | M21 |
| T 22 | 22 23 30 | 4° 4'26 | 19°56 | 29° 8 | 15° 8 | 17° 8 | 17°57 | 4°58 | 2°55 | 2°23 | 23°21 | 25°13 | 26°40 | 26°24 | 22°13 | T 22 |
| W23 | 22 27 26 | 5° 2'46 | 4♈19 | 1♍ 3 | 16°22 | 17°48 | 18° 4 | 4°53 | 2°57 | 2°25 | 23°20 | 25° 9 | 26°37 | 26°30 | 22°19 | W23 |
| T 24 | 22 31 23 | 6° 1'09 | 18°16 | 2°57 | 17°37 | 18°29 | 18°11 | 4°48 | 2°59 | 2°27 | 23°19 | 25° 7 | 26°33 | 26°37 | 22°24 | T 24 |
| F 25 | 22 35 19 | 6°59'34 | 1♉45 | 4°51 | 18°51 | 19° 9 | 18°18 | 4°44 | 3° 1 | 2°30 | 23°19 | 25°D 7 | 26°30 | 26°44 | 22°30 | F 25 |
| S 26 | 22 39 16 | 7°58'01 | 14°48 | 6°44 | 20° 6 | 19°49 | 18°25 | 4°39 | 3° 3 | 2°32 | 23°18 | 25° 8 | 26°27 | 26°50 | 22°36 | S 26 |
| S 27 | 22 43 13 | 8°56'31 | 27°27 | 8°36 | 21°20 | 20°30 | 18°32 | 4°35 | 3° 5 | 2°34 | 23°17 | 25° 9 | 26°24 | 26°57 | 22°41 | S 27 |
| M28 | 22 47 9 | 9°55'02 | 9♊48 | 10°28 | 22°34 | 21°10 | 18°39 | 4°30 | 3° 7 | 2°36 | 23°16 | 25°R10 | 26°21 | 27° 4 | 22°47 | M28 |
| T 29 | 22 51 6 | 10°53'36 | 21°54 | 12°18 | 23°49 | 21°51 | 18°45 | 4°25 | 3° 9 | 2°38 | 23°16 | 25° 9 | 26°18 | 27°11 | 22°52 | T 29 |
| W30 | 22 55 2 | 11°52'12 | 3♋51 | 14° 7 | 25° 3 | 22°32 | 18°51 | 4°21 | 3°11 | 2°41 | 23°15 | 25° 7 | 26°14 | 27°17 | 22°57 | W30 |
| T 31 | 22 58 59 | 12♍50'51 | 15♋43 | 15♍56 | 26♍18 | 23♎12 | 18♊58 | 4♓16 | 3♋12 | 2♍43 | 23♈14 | 25♈ 2 | 26♈11 | 27♋24 | 23♋ 3 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n47 | 26n 6 | 3n37 | 19n58 | 1s13 | 16n29 | 1n23 | 1s 8 | 0n14 | 22n 9 | 0s33 | 11s 6 | 2s 5 | 23n48 | 0n16 | 11n48 | 0n54 | 6s28 | 16s49 | 10n36 | 10n44 | 26n28 | 16n19 | 5s48 |
| W 2 | 16 30 | 27 44 | 4 16 | 20 5 | 0 56 | 16 6 | 1 24 | 1 24 | 0 13 | 22 10 | 0 33 | 11 8 | 2 5 | 23 48 | 0 16 | 11 47 | 0 54 | 6 29 | 16 50 | 10 34 | 10 43 | 26 26 | 16 18 | 5 48 |
| T 3 | 16 13 | 28 5 | 4 43 | 20 9 | 0 40 | 15 42 | 1 24 | 1 40 | 0 13 | 22 11 | 0 33 | 11 9 | 2 5 | 23 48 | 0 16 | 11 46 | 0 54 | 6 29 | 16 50 | 10 31 | 10 42 | 26 25 | 16 17 | 5 48 |
| F 4 | 15 55 | 27 7 | 4 58 | 20 12 | 0 25 | 15 18 | 1 24 | 1 56 | 0 12 | 22 12 | 0 33 | 11 11 | 2 6 | 23 48 | 0 16 | 11 45 | 0 54 | 6 29 | 16 50 | 10 27 | 10 41 | 26 24 | 16 15 | 5 48 |
| S 5 | 15 38 | 24 56 | 5 0 | 20 11 | 0 10 | 14 54 | 1 25 | 2 13 | 0 11 | 22 13 | 0 33 | 11 13 | 2 6 | 23 48 | 0 16 | 11 45 | 0 54 | 6 30 | 16 51 | 10 22 | 10 39 | 26 23 | 16 14 | 5 49 |
| S 6 | 15 20 | 21 40 | 4 49 | 20 9 | 0n 4 | 14 29 | 1 25 | 2 29 | 0 10 | 22 14 | 0 33 | 11 15 | 2 6 | 23 48 | 0 16 | 11 44 | 0 54 | 6 30 | 16 51 | 10 18 | 10 38 | 26 22 | 16 13 | 5 49 |
| M 7 | 15 2 | 17 29 | 4 26 | 20 3 | 0 18 | 14 4 | 1 25 | 2 45 | 0 10 | 22 15 | 0 33 | 11 16 | 2 6 | 23 48 | 0 16 | 11 43 | 0 54 | 6 31 | 16 51 | 10 13 | 10 37 | 26 20 | 16 12 | 5 49 |
| T 8 | 14 43 | 12 34 | 3 50 | 19 55 | 0 30 | 13 39 | 1 25 | 3 1 | 0 9 | 22 16 | 0 33 | 11 18 | 2 6 | 23 48 | 0 16 | 11 42 | 0 54 | 6 31 | 16 52 | 10 10 | 10 36 | 26 19 | 16 11 | 5 50 |
| W 9 | 14 25 | 7 8 | 3 3 | 19 44 | 0 42 | 13 13 | 1 26 | 3 17 | 0 8 | 22 17 | 0 33 | 11 20 | 2 6 | 23 48 | 0 16 | 11 42 | 0 54 | 6 31 | 16 52 | 10 7 | 10 35 | 26 18 | 16 9 | 5 50 |
| T 10 | 14 6 | 1 22 | 2 6 | 19 30 | 0 52 | 12 46 | 1 26 | 3 33 | 0 7 | 22 18 | 0 33 | 11 21 | 2 6 | 23 48 | 0 16 | 11 41 | 0 54 | 6 32 | 16 52 | 10 5 | 10 34 | 26 17 | 16 8 | 5 50 |
| F 11 | 13 47 | 4s34 | 1 3 | 19 13 | 1 2 | 12 20 | 1 26 | 3 50 | 0 6 | 22 19 | 0 33 | 11 23 | 2 6 | 23 48 | 0 16 | 11 40 | 0 54 | 6 32 | 16 52 | 10 4 | 10 33 | 26 16 | 16 7 | 5 50 |
| S 12 | 13 28 | 10 25 | 0s 4 | 18 54 | 1 11 | 11 53 | 1 25 | 4 6 | 0 6 | 22 20 | 0 33 | 11 25 | 2 7 | 23 48 | 0 16 | 11 39 | 0 54 | 6 33 | 16 53 | 10 3 | 10 31 | 26 14 | 16 6 | 5 51 |
| S 13 | 13 8 | 15 57 | 1 13 | 18 31 | 1 19 | 11 25 | 1 25 | 4 22 | 0 5 | 22 21 | 0 33 | 11 27 | 2 7 | 23 48 | 0 16 | 11 38 | 0 54 | 6 33 | 16 53 | 10 4 | 10 30 | 26 13 | 16 4 | 5 51 |
| M14 | 12 48 | 20 53 | 2 20 | 18 6 | 1 25 | 10 58 | 1 25 | 4 38 | 0 4 | 22 22 | 0 33 | 11 29 | 2 7 | 23 48 | 0 16 | 11 38 | 0 54 | 6 34 | 16 53 | 10 4 | 10 29 | 26 12 | 16 3 | 5 51 |
| T 15 | 12 29 | 24 50 | 3 20 | 17 39 | 1 31 | 10 30 | 1 25 | 4 54 | 0 3 | 22 22 | 0 33 | 11 30 | 2 7 | 23 48 | 0 16 | 11 37 | 0 54 | 6 34 | 16 54 | 10 4 | 10 28 | 26 11 | 16 2 | 5 52 |
| W16 | 12 8 | 27 24 | 4 10 | 17 9 | 1 36 | 10 2 | 1 24 | 5 11 | 0 3 | 22 23 | 0 33 | 11 32 | 2 7 | 23 48 | 0 16 | 11 36 | 0 54 | 6 35 | 16 54 | 10 3 | 10 27 | 26 9 | 16 1 | 5 52 |
| T 17 | 11 48 | 28 13 | 4 46 | 16 37 | 1 40 | 9 33 | 1 24 | 5 27 | 0 2 | 22 24 | 0 33 | 11 34 | 2 7 | 23 48 | 0 16 | 11 35 | 0 54 | 6 35 | 16 54 | 10 1 | 10 26 | 26 8 | 15 59 | 5 52 |
| F 18 | 11 28 | 27 3 | 5 4 | 16 3 | 1 43 | 9 5 | 1 23 | 5 43 | 0 1 | 22 25 | 0 33 | 11 36 | 2 7 | 23 48 | 0 16 | 11 34 | 0 54 | 6 35 | 16 54 | 9 59 | 10 24 | 26 7 | 15 58 | 5 53 |
| S 19 | 11 7 | 23 57 | 5 1 | 15 28 | 1 46 | 8 36 | 1 23 | 5 59 | 0 0 | 22 26 | 0 33 | 11 37 | 2 7 | 23 48 | 0 16 | 11 34 | 0 54 | 6 36 | 16 55 | 9 56 | 10 23 | 26 5 | 15 57 | 5 53 |
| S 20 | 10 46 | 19 12 | 4 38 | 14 50 | 1 47 | 8 7 | 1 22 | 6 15 | 0s 0 | 22 26 | 0 33 | 11 39 | 2 7 | 23 48 | 0 16 | 11 33 | 0 54 | 6 36 | 16 55 | 9 53 | 10 22 | 26 4 | 15 56 | 5 54 |
| M21 | 10 25 | 13 18 | 3 55 | 14 11 | 1 48 | 7 37 | 1 21 | 6 31 | 0 1 | 22 27 | 0 33 | 11 41 | 2 7 | 23 48 | 0 16 | 11 32 | 0 54 | 6 37 | 16 55 | 9 50 | 10 21 | 26 3 | 15 54 | 5 54 |
| T 22 | 10 4 | 6 43 | 2 57 | 13 31 | 1 48 | 7 8 | 1 21 | 6 47 | 0 2 | 22 28 | 0 33 | 11 43 | 2 7 | 23 47 | 0 16 | 11 31 | 0 54 | 6 37 | 16 55 | 9 48 | 10 20 | 26 2 | 15 53 | 5 54 |
| W23 | 9 42 | 0n 3 | 1 49 | 12 49 | 1 47 | 6 38 | 1 20 | 7 4 | 0 2 | 22 28 | 0 33 | 11 44 | 2 7 | 23 47 | 0 16 | 11 30 | 0 54 | 6 38 | 16 56 | 9 47 | 10 19 | 26 0 | 15 52 | 5 55 |
| T 24 | 9 21 | 6 38 | 0 37 | 12 7 | 1 46 | 6 8 | 1 19 | 7 20 | 0 3 | 22 29 | 0 33 | 11 46 | 2 7 | 23 47 | 0 16 | 11 30 | 0 54 | 6 38 | 16 56 | 9 46 | 10 18 | 25 59 | 15 51 | 5 55 |
| F 25 | 8 59 | 12 42 | 0n36 | 11 24 | 1 44 | 5 38 | 1 18 | 7 36 | 0 4 | 22 30 | 0 33 | 11 48 | 2 8 | 23 47 | 0 16 | 11 29 | 0 54 | 6 39 | 16 56 | 9 46 | 10 16 | 25 58 | 15 49 | 5 56 |
| S 26 | 8 37 | 18 1 | 1 44 | 10 39 | 1 42 | 5 7 | 1 17 | 7 52 | 0 5 | 22 30 | 0 33 | 11 50 | 2 8 | 23 47 | 0 16 | 11 28 | 0 54 | 6 39 | 16 56 | 9 46 | 10 15 | 25 56 | 15 48 | 5 56 |
| S 27 | 8 15 | 22 22 | 2 45 | 9 55 | 1 39 | 4 37 | 1 16 | 8 8 | 0 5 | 22 31 | 0 33 | 11 51 | 2 8 | 23 47 | 0 16 | 11 27 | 0 54 | 6 40 | 16 57 | 9 47 | 10 14 | 25 55 | 15 47 | 5 56 |
| M28 | 7 53 | 25 37 | 3 37 | 9 9 | 1 36 | 4 6 | 1 15 | 8 24 | 0 6 | 22 32 | 0 33 | 11 53 | 2 8 | 23 47 | 0 16 | 11 27 | 0 54 | 6 40 | 16 57 | 9 47 | 10 13 | 25 53 | 15 45 | 5 57 |
| T 29 | 7 31 | 27 37 | 4 19 | 8 24 | 1 32 | 3 36 | 1 14 | 8 39 | 0 7 | 22 32 | 0 33 | 11 55 | 2 8 | 23 47 | 0 16 | 11 26 | 0 54 | 6 41 | 16 57 | 9 47 | 10 12 | 25 52 | 15 44 | 5 57 |
| W30 | 7 9 | 28 18 | 4 48 | 7 38 | 1 28 | 3 5 | 1 12 | 8 55 | 0 8 | 22 33 | 0 33 | 11 57 | 2 8 | 23 47 | 0 16 | 11 25 | 0 54 | 6 41 | 16 57 | 9 46 | 10 11 | 25 51 | 15 43 | 5 58 |
| T 31 | 6n46 | 27n40 | 5n 5 | 6n51 | 1n23 | 2n34 | 1n11 | 9s11 | 0s 8 | 22n33 | 0s33 | 11s58 | 2s 8 | 23n47 | 0n16 | 11n24 | 0n54 | 6s42 | 16s58 | 9n44 | 10n 9 | 25n49 | 15n41 | 5s58 |

Julian Day Number = 2127062.5, Delta T = 17m06s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'17, Lahiri = 11°28'18 Julian Calendar 1 Aug. 1111 == Greg. Calendar 8 Aug. 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## SEPTEMBER 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 2 55 | 13♍49'31 | 27♋35 | 17♍43 | 27♍32 | 23♎53 | 19♊ 4 | 4°R12 | 3♋14 | 2♍45 | 23°R13 | 24°R56 | 26♈ 8 | 27♋31 | 23♋ 8 | F 1 |
| S 2 | 23 6 52 | 14°48'14 | 9♌30 | 19°29 | 28°47 | 24°34 | 19° 9 | 4♓ 7 | 3°16 | 2°47 | 23♈12 | 24♈49 | 26° 5 | 27°38 | 23°13 | S 2 |
| S 3 | 23 10 48 | 15°46'59 | 21°30 | 21°15 | 0♎ 1 | 25°15 | 19°15 | 4° 3 | 3°18 | 2°49 | 23°12 | 24°42 | 26° 2 | 27°44 | 23°18 | S 3 |
| M 4 | 23 14 45 | 16°45'46 | 3♍37 | 22°59 | 1°16 | 25°56 | 19°21 | 3°58 | 3°19 | 2°52 | 23°11 | 24°35 | 25°58 | 27°51 | 23°23 | M 4 |
| T 5 | 23 18 42 | 17°44'35 | 15°53 | 24°43 | 2°30 | 26°37 | 19°26 | 3°54 | 3°21 | 2°54 | 23°10 | 24°29 | 25°55 | 27°58 | 23°28 | T 5 |
| W 6 | 23 22 38 | 18°43'26 | 28°19 | 26°25 | 3°45 | 27°18 | 19°31 | 3°49 | 3°22 | 2°56 | 23° 9 | 24°24 | 25°52 | 28° 4 | 23°33 | W 6 |
| T 7 | 23 26 35 | 19°42'19 | 10♎56 | 28° 7 | 4°59 | 28° 0 | 19°36 | 3°45 | 3°24 | 2°58 | 23° 8 | 24°22 | 25°49 | 28°11 | 23°38 | T 7 |
| F 8 | 23 30 31 | 20°41'14 | 23°45 | 29°47 | 6°14 | 28°41 | 19°41 | 3°41 | 3°25 | 3° 0 | 23° 7 | 24°D21 | 25°46 | 28°18 | 23°43 | F 8 |
| S 9 | 23 34 28 | 21°40'11 | 6♏45 | 1♎27 | 7°28 | 29°23 | 19°46 | 3°36 | 3°26 | 3° 2 | 23° 6 | 24°22 | 25°43 | 28°25 | 23°48 | S 9 |
| S 10 | 23 38 24 | 22°39'09 | 19°59 | 3° 6 | 8°43 | 0♏ 4 | 19°50 | 3°32 | 3°28 | 3° 5 | 23° 5 | 24°23 | 25°39 | 28°31 | 23°52 | S 10 |
| M11 | 23 42 21 | 23°38'10 | 3♐28 | 4°44 | 9°57 | 0°46 | 19°54 | 3°28 | 3°29 | 3° 7 | 23° 4 | 24°25 | 25°36 | 28°38 | 23°57 | M11 |
| T 12 | 23 46 17 | 24°37'13 | 17°12 | 6°21 | 11°12 | 1°27 | 19°58 | 3°24 | 3°30 | 3° 9 | 23° 3 | 24°26 | 25°33 | 28°45 | 24° 1 | T 12 |
| W13 | 23 50 14 | 25°36'17 | 1♑11 | 7°57 | 12°26 | 2° 9 | 20° 2 | 3°20 | 3°31 | 3°11 | 23° 2 | 24°R26 | 25°30 | 28°52 | 24° 6 | W13 |
| T 14 | 23 54 10 | 26°35'23 | 15°26 | 9°32 | 13°41 | 2°51 | 20° 6 | 3°16 | 3°32 | 3°13 | 23° 1 | 24°24 | 25°27 | 28°58 | 24°10 | T 14 |
| F 15 | 23 58 7 | 27°34'31 | 29°53 | 11° 7 | 14°55 | 3°33 | 20°10 | 3°12 | 3°33 | 3°15 | 23° 0 | 24°22 | 25°23 | 29° 5 | 24°15 | F 15 |
| S 16 | 0 2 4 | 28°33'41 | 14♒29 | 12°41 | 16°10 | 4°15 | 20°13 | 3° 8 | 3°34 | 3°17 | 22°59 | 24°19 | 25°20 | 29°12 | 24°19 | S 16 |
| S 17 | 0 6 0 | 29°32'52 | 29° 9 | 14°13 | 17°24 | 4°57 | 20°16 | 3° 4 | 3°35 | 3°19 | 22°58 | 24°15 | 25°17 | 29°18 | 24°23 | S 17 |
| M18 | 0 9 57 | 0♎32'05 | 13♓45 | 15°46 | 18°39 | 5°39 | 20°19 | 3° 0 | 3°36 | 3°21 | 22°57 | 24°12 | 25°14 | 29°25 | 24°27 | M18 |
| T 19 | 0 13 53 | 1°31'21 | 28°12 | 17°17 | 19°53 | 6°21 | 20°22 | 2°56 | 3°37 | 3°23 | 22°56 | 24° 9 | 25°11 | 29°32 | 24°31 | T 19 |
| W20 | 0 17 50 | 2°30'38 | 12♈22 | 18°47 | 21° 8 | 7° 3 | 20°25 | 2°52 | 3°38 | 3°25 | 22°55 | 24° 8 | 25° 8 | 29°39 | 24°35 | W20 |
| T 21 | 0 21 46 | 3°29'57 | 26°11 | 20°17 | 22°22 | 7°45 | 20°27 | 2°49 | 3°38 | 3°27 | 22°54 | 24°D 8 | 25° 4 | 29°45 | 24°39 | T 21 |
| F 22 | 0 25 43 | 4°29'19 | 9♉39 | 21°46 | 23°36 | 8°28 | 20°30 | 2°45 | 3°39 | 3°29 | 22°53 | 24° 8 | 25° 1 | 29°52 | 24°43 | F 22 |
| S 23 | 0 29 39 | 5°28'43 | 22°43 | 23°14 | 24°51 | 9°10 | 20°32 | 2°42 | 3°40 | 3°31 | 22°52 | 24° 9 | 24°58 | 29°59 | 24°47 | S 23 |
| S 24 | 0 33 36 | 6°28'10 | 5♊25 | 24°42 | 26° 5 | 9°53 | 20°34 | 2°38 | 3°40 | 3°33 | 22°51 | 24°11 | 24°55 | 0♌ 5 | 24°50 | S 24 |
| M25 | 0 37 33 | 7°27'38 | 17°49 | 26° 9 | 27°20 | 10°35 | 20°35 | 2°35 | 3°41 | 3°35 | 22°50 | 24°12 | 24°52 | 0°12 | 24°54 | M25 |
| T 26 | 0 41 29 | 8°27'09 | 29°58 | 27°34 | 28°34 | 11°18 | 20°37 | 2°32 | 3°41 | 3°37 | 22°49 | 24°13 | 24°49 | 0°19 | 24°57 | T 26 |
| W27 | 0 45 26 | 9°26'43 | 11♋57 | 28°59 | 29°49 | 12° 0 | 20°38 | 2°28 | 3°42 | 3°39 | 22°48 | 24°R13 | 24°45 | 0°26 | 25° 1 | W27 |
| T 28 | 0 49 22 | 10°26'19 | 23°51 | 0♏23 | 1♏ 3 | 12°43 | 20°39 | 2°25 | 3°42 | 3°41 | 22°47 | 24°13 | 24°42 | 0°32 | 25° 4 | T 28 |
| F 29 | 0 53 19 | 11°25'57 | 5♌43 | 1°47 | 2°17 | 13°26 | 20°40 | 2°22 | 3°42 | 3°43 | 22°45 | 24°12 | 24°39 | 0°39 | 25° 7 | F 29 |
| S 30 | 0 57 15 | 12♎25'37 | 17♌39 | 3♏ 9 | 3♏32 | 14♏ 9 | 20♊41 | 2♓19 | 3♋42 | 3♍44 | 22♈44 | 24♈10 | 24♈36 | 0♌46 | 25♋10 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n24 | 25n47 | 5n 9 | 6n 5 | 1n19 | 2n 3 | 1n10 | 9s27 | 0s 9 | 22n34 | 0s33 | 12s 0 | 2s 8 | 23n47 | 0n16 | 11n23 | 0n54 | 6s42 | 16s58 | 9n42 | 10n 8 | 25n48 | 15n40 | 5s59 |
| S 2 | 6 1 | 22 46 | 4 59 | 5 18 | 1 13 | 1 32 | 1 8 | 9 43 | 0 10 | 22 34 | 0 33 | 12 2 | 2 8 | 23 47 | 0 16 | 11 23 | 0 54 | 6 43 | 16 58 | 9 40 | 10 7 | 25 47 | 15 39 | 5 59 |
| S 3 | 5 38 | 18 46 | 4 36 | 4 32 | 1 8 | 1 1 | 1 7 | 9 59 | 0 10 | 22 35 | 0 33 | 12 3 | 2 8 | 23 47 | 0 16 | 11 22 | 0 54 | 6 43 | 16 58 | 9 37 | 10 6 | 25 45 | 15 38 | 6 0 |
| M 4 | 5 15 | 13 58 | 4 1 | 3 45 | 1 2 | 0 30 | 1 5 | 10 14 | 0 11 | 22 35 | 0 33 | 12 5 | 2 8 | 23 47 | 0 16 | 11 21 | 0 54 | 6 44 | 16 58 | 9 34 | 10 5 | 25 44 | 15 36 | 6 0 |
| T 5 | 4 52 | 8 34 | 3 14 | 2 59 | 0 57 | 0s 2 | 1 4 | 10 30 | 0 12 | 22 36 | 0 33 | 12 7 | 2 8 | 23 47 | 0 16 | 11 20 | 0 54 | 6 44 | 16 59 | 9 32 | 10 4 | 25 42 | 15 35 | 6 0 |
| W 6 | 4 29 | 2 46 | 2 17 | 2 12 | 0 51 | 0 33 | 1 2 | 10 45 | 0 12 | 22 36 | 0 33 | 12 8 | 2 8 | 23 47 | 0 16 | 11 19 | 0 54 | 6 45 | 16 59 | 9 30 | 10 3 | 25 41 | 15 34 | 6 1 |
| T 7 | 4 6 | 3s14 | 1 12 | 1 26 | 0 44 | 1 4 | 1 0 | 11 1 | 0 13 | 22 36 | 0 33 | 12 10 | 2 8 | 23 47 | 0 16 | 11 19 | 0 55 | 6 45 | 16 59 | 9 29 | 10 1 | 25 39 | 15 32 | 6 1 |
| F 8 | 3 42 | 9 13 | 0 3 | 0 40 | 0 38 | 1 35 | 0 59 | 11 16 | 0 14 | 22 37 | 0 33 | 12 11 | 2 8 | 23 47 | 0 16 | 11 18 | 0 55 | 6 46 | 16 59 | 9 29 | 10 0 | 25 38 | 15 31 | 6 2 |
| S 9 | 3 19 | 14 54 | 1s 7 | 0s 6 | 0 31 | 2 7 | 0 57 | 11 32 | 0 14 | 22 37 | 0 33 | 12 13 | 2 8 | 23 47 | 0 16 | 11 17 | 0 55 | 6 46 | 16 59 | 9 29 | 9 59 | 25 37 | 15 30 | 6 2 |
| S 10 | 2 56 | 20 0 | 2 16 | 0 52 | 0 25 | 2 38 | 0 55 | 11 47 | 0 15 | 22 37 | 0 33 | 12 15 | 2 8 | 23 47 | 0 16 | 11 16 | 0 55 | 6 47 | 16 59 | 9 30 | 9 58 | 25 35 | 15 29 | 6 3 |
| M11 | 2 32 | 24 11 | 3 18 | 1 37 | 0 18 | 3 9 | 0 53 | 12 2 | 0 16 | 22 38 | 0 33 | 12 16 | 2 8 | 23 47 | 0 16 | 11 16 | 0 55 | 6 47 | 17 0 | 9 30 | 9 57 | 25 34 | 15 27 | 6 3 |
| T 12 | 2 9 | 27 5 | 4 10 | 2 22 | 0 11 | 3 40 | 0 51 | 12 18 | 0 16 | 22 38 | 0 33 | 12 18 | 2 8 | 23 47 | 0 16 | 11 15 | 0 55 | 6 48 | 17 0 | 9 31 | 9 56 | 25 32 | 15 26 | 6 4 |
| W13 | 1 45 | 28 21 | 4 48 | 3 6 | 0 4 | 4 11 | 0 49 | 12 33 | 0 17 | 22 38 | 0 32 | 12 19 | 2 8 | 23 47 | 0 17 | 11 14 | 0 55 | 6 48 | 17 0 | 9 31 | 9 54 | 25 31 | 15 25 | 6 5 |
| T 14 | 1 22 | 27 47 | 5 9 | 3 51 | 0s 3 | 4 42 | 0 47 | 12 48 | 0 18 | 22 39 | 0 32 | 12 20 | 2 8 | 23 47 | 0 17 | 11 13 | 0 55 | 6 49 | 17 0 | 9 30 | 9 53 | 25 29 | 15 23 | 6 5 |
| F 15 | 0 58 | 25 21 | 5 12 | 4 34 | 0 10 | 5 13 | 0 45 | 13 3 | 0 18 | 22 39 | 0 32 | 12 22 | 2 8 | 23 47 | 0 17 | 11 13 | 0 55 | 6 49 | 17 0 | 9 29 | 9 52 | 25 28 | 15 22 | 6 6 |
| S 16 | 0 34 | 21 15 | 4 54 | 5 18 | 0 17 | 5 44 | 0 43 | 13 18 | 0 19 | 22 39 | 0 32 | 12 23 | 2 8 | 23 47 | 0 17 | 11 12 | 0 55 | 6 50 | 17 0 | 9 28 | 9 51 | 25 26 | 15 21 | 6 6 |
| S 17 | 0 11 | 15 50 | 4 17 | 6 0 | 0 24 | 6 14 | 0 41 | 13 33 | 0 20 | 22 40 | 0 32 | 12 25 | 2 8 | 23 47 | 0 17 | 11 11 | 0 55 | 6 50 | 17 1 | 9 27 | 9 50 | 25 25 | 15 20 | 6 7 |
| M18 | 0s13 | 9 33 | 3 24 | 6 43 | 0 31 | 6 45 | 0 38 | 13 47 | 0 20 | 22 40 | 0 32 | 12 26 | 2 7 | 23 47 | 0 17 | 11 11 | 0 55 | 6 51 | 17 1 | 9 26 | 9 49 | 25 23 | 15 18 | 6 7 |
| T 19 | 0 37 | 2 50 | 2 18 | 7 25 | 0 38 | 7 15 | 0 36 | 14 2 | 0 21 | 22 40 | 0 32 | 12 27 | 2 7 | 23 47 | 0 17 | 11 10 | 0 55 | 6 51 | 17 1 | 9 25 | 9 47 | 25 22 | 15 17 | 6 8 |
| W20 | 1 0 | 3n55 | 1 4 | 8 6 | 0 45 | 7 46 | 0 34 | 14 17 | 0 22 | 22 40 | 0 32 | 12 29 | 2 7 | 23 47 | 0 17 | 11 9 | 0 55 | 6 51 | 17 1 | 9 24 | 9 46 | 25 20 | 15 16 | 6 8 |
| T 21 | 1 24 | 10 20 | 0n11 | 8 47 | 0 53 | 8 16 | 0 31 | 14 31 | 0 22 | 22 40 | 0 32 | 12 30 | 2 7 | 23 47 | 0 17 | 11 8 | 0 55 | 6 52 | 17 1 | 9 24 | 9 45 | 25 19 | 15 15 | 6 9 |
| F 22 | 1 48 | 16 6 | 1 24 | 9 27 | 1 0 | 8 46 | 0 29 | 14 45 | 0 23 | 22 41 | 0 32 | 12 31 | 2 7 | 23 47 | 0 17 | 11 8 | 0 55 | 6 52 | 17 1 | 9 24 | 9 44 | 25 17 | 15 13 | 6 10 |
| S 23 | 2 11 | 20 58 | 2 31 | 10 6 | 1 7 | 9 15 | 0 27 | 15 0 | 0 24 | 22 41 | 0 32 | 12 32 | 2 7 | 23 47 | 0 17 | 11 7 | 0 55 | 6 53 | 17 1 | 9 25 | 9 43 | 25 16 | 15 12 | 6 10 |
| S 24 | 2 35 | 24 44 | 3 28 | 10 45 | 1 13 | 9 45 | 0 24 | 15 14 | 0 24 | 22 41 | 0 32 | 12 34 | 2 7 | 23 47 | 0 17 | 11 6 | 0 55 | 6 53 | 17 1 | 9 25 | 9 42 | 25 14 | 15 11 | 6 11 |
| M25 | 2 58 | 27 13 | 4 14 | 11 23 | 1 20 | 10 14 | 0 22 | 15 28 | 0 25 | 22 41 | 0 32 | 12 35 | 2 7 | 23 47 | 0 17 | 11 6 | 0 55 | 6 54 | 17 1 | 9 26 | 9 40 | 25 12 | 15 10 | 6 11 |
| T 26 | 3 22 | 28 22 | 4 48 | 12 1 | 1 27 | 10 43 | 0 19 | 15 42 | 0 25 | 22 41 | 0 32 | 12 36 | 2 7 | 23 47 | 0 17 | 11 5 | 0 55 | 6 54 | 17 1 | 9 26 | 9 39 | 25 11 | 15 9 | 6 12 |
| W27 | 3 46 | 28 8 | 5 9 | 12 38 | 1 34 | 11 12 | 0 17 | 15 56 | 0 26 | 22 41 | 0 32 | 12 37 | 2 7 | 23 47 | 0 17 | 11 4 | 0 55 | 6 55 | 17 2 | 9 26 | 9 38 | 25 9 | 15 7 | 6 13 |
| T 28 | 4 9 | 26 37 | 5 16 | 13 14 | 1 40 | 11 40 | 0 14 | 16 9 | 0 27 | 22 41 | 0 32 | 12 38 | 2 7 | 23 47 | 0 17 | 11 4 | 0 55 | 6 55 | 17 2 | 9 26 | 9 37 | 25 8 | 15 6 | 6 13 |
| F 29 | 4 33 | 23 56 | 5 10 | 13 49 | 1 47 | 12 9 | 0 12 | 16 23 | 0 27 | 22 41 | 0 32 | 12 39 | 2 7 | 23 47 | 0 17 | 11 3 | 0 55 | 6 56 | 17 2 | 9 26 | 9 36 | 25 6 | 15 5 | 6 14 |
| S 30 | 4s56 | 20n13 | 4n50 | 14s23 | 1s53 | 12s37 | 0n 9 | 16s36 | 0s28 | 22n42 | 0s32 | 12s40 | 2s 7 | 23n47 | 0n17 | 11n 2 | 0n55 | 6s56 | 17s 2 | 9n25 | 9n35 | 25n 4 | 15n 4 | 6s14 |

Julian Day Number = 2127093.5, Delta T = 17m06s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'21, Lahiri = 11°28'22 Julian Calendar 1 Sept. 1111 == Greg. Calendar 8 Sept. 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## OCTOBER 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 1 12 | 13♎25'19 | 29♌43 | 4♏30 | 4♏46 | 14♏52 | 20♊41 | 2°R16 | 3♋43 | 3♍46 | 22°R43 | 24°R 9 | 24♈33 | 0♌53 | 25♋13 | S 1 |
| M 2 | 1 5 8 | 14°25'04 | 11♍57 | 5°51 | 6° 1 | 15°35 | 20°42 | 2♓13 | 3°43 | 3°48 | 22♈42 | 24♈ 7 | 24°29 | 0°59 | 25°16 | M 2 |
| T 3 | 1 9 5 | 15°24'51 | 24°24 | 7°10 | 7°15 | 16°18 | 20°R42 | 2°11 | 3°43 | 3°50 | 22°41 | 24° 6 | 24°26 | 1° 6 | 25°19 | T 3 |
| W 4 | 1 13 2 | 16°24'40 | 7♎ 5 | 8°28 | 8°30 | 17° 1 | 20°42 | 2° 8 | 3°R43 | 3°52 | 22°40 | 24° 5 | 24°23 | 1°13 | 25°22 | W 4 |
| T 5 | 1 16 58 | 17°24'31 | 20° 1 | 9°45 | 9°44 | 17°45 | 20°41 | 2° 6 | 3°43 | 3°53 | 22°39 | 24°D 5 | 24°20 | 1°19 | 25°25 | T 5 |
| F 6 | 1 20 55 | 18°24'24 | 3♏12 | 11° 0 | 10°58 | 18°28 | 20°41 | 2° 3 | 3°43 | 3°55 | 22°38 | 24° 5 | 24°17 | 1°26 | 25°28 | F 6 |
| S 7 | 1 24 51 | 19°24'19 | 16°37 | 12°14 | 12°13 | 19°11 | 20°40 | 2° 1 | 3°43 | 3°57 | 22°36 | 24° 5 | 24°14 | 1°33 | 25°30 | S 7 |
| S 8 | 1 28 48 | 20°24'16 | 0♐15 | 13°26 | 13°27 | 19°55 | 20°39 | 1°58 | 3°42 | 3°58 | 22°35 | 24° 6 | 24°10 | 1°40 | 25°33 | S 8 |
| M 9 | 1 32 44 | 21°24'14 | 14° 4 | 14°36 | 14°42 | 20°38 | 20°38 | 1°56 | 3°42 | 4° 0 | 22°34 | 24° 6 | 24° 7 | 1°46 | 25°35 | M 9 |
| T 10 | 1 36 41 | 22°24'15 | 28° 2 | 15°45 | 15°56 | 21°22 | 20°37 | 1°54 | 3°42 | 4° 2 | 22°33 | 24° 6 | 24° 4 | 1°53 | 25°37 | T 10 |
| W11 | 1 40 37 | 23°24'17 | 12♑ 7 | 16°51 | 17°10 | 22° 6 | 20°35 | 1°52 | 3°42 | 4° 3 | 22°32 | 24° 6 | 24° 1 | 2° 0 | 25°39 | W11 |
| T 12 | 1 44 34 | 24°24'21 | 26°18 | 17°55 | 18°25 | 22°49 | 20°34 | 1°50 | 3°41 | 4° 5 | 22°31 | 24° 6 | 23°58 | 2° 6 | 25°41 | T 12 |
| F 13 | 1 48 31 | 25°24'26 | 10♒32 | 18°56 | 19°39 | 23°33 | 20°32 | 1°48 | 3°41 | 4° 6 | 22°30 | 24° 6 | 23°55 | 2°13 | 25°43 | F 13 |
| S 14 | 1 52 27 | 26°24'33 | 24°46 | 19°54 | 20°53 | 24°17 | 20°30 | 1°47 | 3°40 | 4° 8 | 22°28 | 24° 6 | 23°51 | 2°20 | 25°45 | S 14 |
| S 15 | 1 56 24 | 27°24'41 | 8♓58 | 20°49 | 22° 8 | 25° 1 | 20°27 | 1°45 | 3°40 | 4° 9 | 22°27 | 24° 7 | 23°48 | 2°27 | 25°47 | S 15 |
| M16 | 2 0 20 | 28°24'51 | 23° 4 | 21°40 | 23°22 | 25°45 | 20°25 | 1°44 | 3°39 | 4°11 | 22°26 | 24° 7 | 23°45 | 2°33 | 25°49 | M16 |
| T 17 | 2 4 17 | 29°25'03 | 7♈ 3 | 22°26 | 24°36 | 26°29 | 20°22 | 1°42 | 3°38 | 4°12 | 22°25 | 24° 7 | 23°42 | 2°40 | 25°50 | T 17 |
| W18 | 2 8 13 | 0♏25'16 | 20°49 | 23° 9 | 25°51 | 27°13 | 20°19 | 1°41 | 3°38 | 4°14 | 22°24 | 24°R 8 | 23°39 | 2°47 | 25°52 | W18 |
| T 19 | 2 12 10 | 1°25'31 | 4♉20 | 23°45 | 27° 5 | 27°57 | 20°16 | 1°40 | 3°37 | 4°15 | 22°23 | 24° 7 | 23°35 | 2°54 | 25°53 | T 19 |
| F 20 | 2 16 6 | 2°25'48 | 17°35 | 24°16 | 28°19 | 28°41 | 20°13 | 1°38 | 3°36 | 4°17 | 22°22 | 24° 7 | 23°32 | 3° 0 | 25°55 | F 20 |
| S 21 | 2 20 3 | 3°26'07 | 0♊33 | 24°41 | 29°33 | 29°26 | 20° 9 | 1°37 | 3°35 | 4°18 | 22°21 | 24° 6 | 23°29 | 3° 7 | 25°56 | S 21 |
| S 22 | 2 24 0 | 4°26'28 | 13°13 | 24°58 | 0♐48 | 0♐10 | 20° 6 | 1°37 | 3°34 | 4°19 | 22°20 | 24° 5 | 23°26 | 3°14 | 25°57 | S 22 |
| M23 | 2 27 56 | 5°26'50 | 25°36 | 25° 8 | 2° 2 | 0°54 | 20° 2 | 1°36 | 3°33 | 4°21 | 22°18 | 24° 3 | 23°23 | 3°20 | 25°58 | M23 |
| T 24 | 2 31 53 | 6°27'15 | 7♋47 | 25°R 9 | 3°16 | 1°39 | 19°58 | 1°35 | 3°32 | 4°22 | 22°17 | 24° 1 | 23°20 | 3°27 | 25°59 | T 24 |
| W25 | 2 35 49 | 7°27'42 | 19°47 | 25° 1 | 4°30 | 2°23 | 19°54 | 1°35 | 3°31 | 4°23 | 22°16 | 24° 0 | 23°16 | 3°34 | 26° 0 | W25 |
| T 26 | 2 39 46 | 8°28'10 | 1♌41 | 24°43 | 5°45 | 3° 8 | 19°49 | 1°34 | 3°30 | 4°24 | 22°15 | 23°59 | 23°13 | 3°41 | 26° 0 | T 26 |
| F 27 | 2 43 42 | 9°28'40 | 13°33 | 24°15 | 6°59 | 3°53 | 19°45 | 1°34 | 3°29 | 4°25 | 22°14 | 23°D59 | 23°10 | 3°47 | 26° 1 | F 27 |
| S 28 | 2 47 39 | 10°29'12 | 25°29 | 23°36 | 8°13 | 4°37 | 19°40 | 1°33 | 3°28 | 4°27 | 22°13 | 24° 0 | 23° 7 | 3°54 | 26° 2 | S 28 |
| S 29 | 2 51 35 | 11°29'46 | 7♍32 | 22°48 | 9°27 | 5°22 | 19°35 | 1°33 | 3°26 | 4°28 | 22°12 | 24° 1 | 23° 4 | 4° 1 | 26° 2 | S 29 |
| M30 | 2 55 32 | 12°30'22 | 19°48 | 21°49 | 10°41 | 6° 7 | 19°30 | 1°D33 | 3°25 | 4°29 | 22°11 | 24° 3 | 23° 0 | 4° 7 | 26° 2 | M30 |
| T 31 | 2 59 29 | 13♏30'59 | 2♎20 | 20♏43 | 11♐56 | 6♐52 | 19♊25 | 1♓33 | 3♋24 | 4♍30 | 22♈10 | 24♈ 4 | 22♈57 | 4♌14 | 26♋ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s19 | 15n38 | 4n17 | 14s57 | 1s59 | 13s 4 | 0n 7 | 16s50 | 0s29 | 22n42 | 0s32 | 12s41 | 2s 6 | 23n47 | 0n17 | 11n 2 | 0n55 | 6s56 | 17s 2 | 9n24 | 9n33 | 25n 3 | 15n 3 | 6s15 |
| M 2 | 5 43 | 10 23 | 3 33 | 15 30 | 2 5 | 13 32 | 0 4 | 17 3 | 0 29 | 22 42 | 0 32 | 12 42 | 2 6 | 23 47 | 0 17 | 11 1 | 0 55 | 6 57 | 17 2 | 9 24 | 9 32 | 25 1 | 15 2 | 6 16 |
| T 3 | 6 6 | 4 38 | 2 37 | 16 1 | 2 10 | 13 59 | 0 1 | 17 16 | 0 30 | 22 42 | 0 32 | 12 43 | 2 6 | 23 47 | 0 17 | 11 0 | 0 55 | 6 57 | 17 2 | 9 23 | 9 31 | 25 0 | 15 1 | 6 16 |
| W 4 | 6 29 | 1s24 | 1 33 | 16 32 | 2 16 | 14 25 | 0s 1 | 17 29 | 0 30 | 22 42 | 0 32 | 12 44 | 2 6 | 23 47 | 0 17 | 11 0 | 0 55 | 6 58 | 17 2 | 9 23 | 9 30 | 24 58 | 14 59 | 6 17 |
| T 5 | 6 52 | 7 31 | 0 22 | 17 2 | 2 21 | 14 52 | 0 4 | 17 42 | 0 31 | 22 42 | 0 32 | 12 44 | 2 6 | 23 47 | 0 17 | 10 59 | 0 55 | 6 58 | 17 2 | 9 23 | 9 29 | 24 56 | 14 58 | 6 17 |
| F 6 | 7 15 | 13 26 | 0s50 | 17 30 | 2 26 | 15 18 | 0 7 | 17 55 | 0 32 | 22 42 | 0 32 | 12 45 | 2 6 | 23 47 | 0 17 | 10 59 | 0 55 | 6 59 | 17 2 | 9 23 | 9 28 | 24 55 | 14 57 | 6 18 |
| S 7 | 7 38 | 18 50 | 2 2 | 17 58 | 2 30 | 15 43 | 0 9 | 18 7 | 0 32 | 22 42 | 0 32 | 12 46 | 2 6 | 23 47 | 0 17 | 10 58 | 0 55 | 6 59 | 17 2 | 9 23 | 9 26 | 24 53 | 14 56 | 6 19 |
| S 8 | 8 1 | 23 21 | 3 7 | 18 24 | 2 35 | 16 9 | 0 12 | 18 20 | 0 33 | 22 42 | 0 32 | 12 47 | 2 6 | 23 47 | 0 17 | 10 57 | 0 55 | 6 59 | 17 2 | 9 23 | 9 25 | 24 51 | 14 55 | 6 19 |
| M 9 | 8 23 | 26 37 | 4 3 | 18 49 | 2 39 | 16 33 | 0 15 | 18 32 | 0 33 | 22 42 | 0 32 | 12 47 | 2 6 | 23 47 | 0 17 | 10 57 | 0 55 | 7 0 | 17 2 | 9 23 | 9 24 | 24 50 | 14 54 | 6 20 |
| T 10 | 8 46 | 28 17 | 4 45 | 19 13 | 2 42 | 16 58 | 0 17 | 18 44 | 0 34 | 22 42 | 0 32 | 12 48 | 2 5 | 23 47 | 0 17 | 10 56 | 0 55 | 7 0 | 17 2 | 9 24 | 9 23 | 24 48 | 14 53 | 6 21 |
| W11 | 9 8 | 28 9 | 5 10 | 19 35 | 2 45 | 17 22 | 0 20 | 18 56 | 0 34 | 22 42 | 0 32 | 12 49 | 2 5 | 23 47 | 0 17 | 10 56 | 0 55 | 7 1 | 17 2 | 9 24 | 9 22 | 24 46 | 14 52 | 6 21 |
| T 12 | 9 30 | 26 10 | 5 17 | 19 56 | 2 48 | 17 45 | 0 23 | 19 8 | 0 35 | 22 41 | 0 32 | 12 49 | 2 5 | 23 48 | 0 17 | 10 55 | 0 55 | 7 1 | 17 2 | 9 24 | 9 20 | 24 45 | 14 51 | 6 22 |
| F 13 | 9 52 | 22 33 | 5 4 | 20 15 | 2 50 | 18 8 | 0 25 | 19 20 | 0 36 | 22 41 | 0 32 | 12 50 | 2 5 | 23 48 | 0 17 | 10 55 | 0 55 | 7 1 | 17 2 | 9 24 | 9 19 | 24 43 | 14 50 | 6 23 |
| S 14 | 10 14 | 17 37 | 4 33 | 20 33 | 2 51 | 18 31 | 0 28 | 19 31 | 0 36 | 22 41 | 0 32 | 12 50 | 2 5 | 23 48 | 0 17 | 10 54 | 0 56 | 7 2 | 17 2 | 9 24 | 9 18 | 24 41 | 14 49 | 6 23 |
| S 15 | 10 36 | 11 43 | 3 45 | 20 48 | 2 52 | 18 53 | 0 31 | 19 42 | 0 37 | 22 41 | 0 32 | 12 51 | 2 5 | 23 48 | 0 17 | 10 54 | 0 56 | 7 2 | 17 2 | 9 24 | 9 17 | 24 40 | 14 48 | 6 24 |
| M16 | 10 58 | 5 16 | 2 44 | 21 2 | 2 52 | 19 15 | 0 33 | 19 53 | 0 37 | 22 41 | 0 32 | 12 51 | 2 5 | 23 48 | 0 17 | 10 53 | 0 56 | 7 2 | 17 2 | 9 24 | 9 16 | 24 38 | 14 47 | 6 25 |
| T 17 | 11 19 | 1n23 | 1 33 | 21 14 | 2 52 | 19 36 | 0 36 | 20 4 | 0 38 | 22 41 | 0 32 | 12 51 | 2 5 | 23 48 | 0 17 | 10 53 | 0 56 | 7 3 | 17 2 | 9 24 | 9 15 | 24 36 | 14 46 | 6 25 |
| W18 | 11 41 | 7 53 | 0 18 | 21 23 | 2 50 | 19 56 | 0 39 | 20 15 | 0 38 | 22 41 | 0 32 | 12 52 | 2 4 | 23 48 | 0 17 | 10 52 | 0 56 | 7 3 | 17 2 | 9 24 | 9 13 | 24 34 | 14 45 | 6 26 |
| T 19 | 12 2 | 13 55 | 0n56 | 21 30 | 2 48 | 20 16 | 0 41 | 20 26 | 0 39 | 22 40 | 0 32 | 12 52 | 2 4 | 23 48 | 0 17 | 10 52 | 0 56 | 7 3 | 17 1 | 9 24 | 9 12 | 24 33 | 14 44 | 6 27 |
| F 20 | 12 23 | 19 11 | 2 6 | 21 35 | 2 44 | 20 36 | 0 44 | 20 36 | 0 39 | 22 40 | 0 31 | 12 52 | 2 4 | 23 48 | 0 17 | 10 51 | 0 56 | 7 4 | 17 1 | 9 24 | 9 11 | 24 31 | 14 43 | 6 27 |
| S 21 | 12 43 | 23 26 | 3 8 | 21 37 | 2 40 | 20 55 | 0 47 | 20 47 | 0 40 | 22 40 | 0 31 | 12 53 | 2 4 | 23 48 | 0 17 | 10 51 | 0 56 | 7 4 | 17 1 | 9 24 | 9 10 | 24 29 | 14 42 | 6 28 |
| S 22 | 13 4 | 26 27 | 3 59 | 21 35 | 2 34 | 21 13 | 0 49 | 20 57 | 0 40 | 22 40 | 0 31 | 12 53 | 2 4 | 23 48 | 0 17 | 10 50 | 0 56 | 7 4 | 17 1 | 9 23 | 9 9 | 24 27 | 14 42 | 6 29 |
| M23 | 13 24 | 28 7 | 4 38 | 21 31 | 2 27 | 21 31 | 0 52 | 21 6 | 0 41 | 22 40 | 0 31 | 12 53 | 2 4 | 23 48 | 0 17 | 10 50 | 0 56 | 7 5 | 17 1 | 9 22 | 9 7 | 24 26 | 14 41 | 6 29 |
| T 24 | 13 44 | 28 22 | 5 3 | 21 23 | 2 18 | 21 48 | 0 54 | 21 16 | 0 41 | 22 39 | 0 31 | 12 53 | 2 4 | 23 48 | 0 18 | 10 49 | 0 56 | 7 5 | 17 1 | 9 22 | 9 6 | 24 24 | 14 40 | 6 30 |
| W25 | 14 4 | 27 17 | 5 15 | 21 11 | 2 8 | 22 5 | 0 57 | 21 26 | 0 42 | 22 39 | 0 31 | 12 53 | 2 3 | 23 48 | 0 18 | 10 49 | 0 56 | 7 5 | 17 1 | 9 21 | 9 5 | 24 22 | 14 39 | 6 31 |
| T 26 | 14 24 | 24 58 | 5 13 | 20 55 | 1 56 | 22 21 | 0 59 | 21 35 | 0 42 | 22 39 | 0 31 | 12 53 | 2 3 | 23 48 | 0 18 | 10 49 | 0 56 | 7 6 | 17 1 | 9 21 | 9 4 | 24 20 | 14 38 | 6 31 |
| F 27 | 14 43 | 21 35 | 4 58 | 20 35 | 1 43 | 22 36 | 1 2 | 21 44 | 0 43 | 22 39 | 0 31 | 12 53 | 2 3 | 23 48 | 0 18 | 10 48 | 0 56 | 7 6 | 17 1 | 9 21 | 9 3 | 24 19 | 14 38 | 6 32 |
| S 28 | 15 2 | 17 19 | 4 30 | 20 11 | 1 28 | 22 51 | 1 4 | 21 53 | 0 43 | 22 38 | 0 31 | 12 53 | 2 3 | 23 48 | 0 18 | 10 48 | 0 56 | 7 6 | 17 1 | 9 21 | 9 2 | 24 17 | 14 37 | 6 33 |
| S 29 | 15 21 | 12 20 | 3 49 | 19 42 | 1 11 | 23 5 | 1 7 | 22 1 | 0 44 | 22 38 | 0 31 | 12 53 | 2 3 | 23 48 | 0 18 | 10 47 | 0 56 | 7 6 | 17 0 | 9 22 | 9 0 | 24 15 | 14 36 | 6 33 |
| M30 | 15 40 | 6 47 | 2 58 | 19 10 | 0 53 | 23 18 | 1 9 | 22 10 | 0 44 | 22 38 | 0 31 | 12 53 | 2 3 | 23 48 | 0 18 | 10 47 | 0 56 | 7 7 | 17 0 | 9 22 | 8 59 | 24 13 | 14 35 | 6 34 |
| T 31 | 15s58 | 0n51 | 1n57 | 18s34 | 0s34 | 23s31 | 1s11 | 22s18 | 0s45 | 22n37 | 0s31 | 12s53 | 2s 2 | 23n48 | 0n18 | 10n47 | 0n56 | 7s 7 | 17s 0 | 9n23 | 8n58 | 24n11 | 14n35 | 6s35 |

Julian Day Number = 2127123.5, Delta T = 17m06s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'25, Lahiri = 11°28'26 Julian Calendar 1 Oct. 1111 == Greg. Calendar 8 Oct. 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## NOVEMBER 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 3 25 | 14♏31'39 | 15♎11 | 19°R29 | 13♐10 | 7♐37 | 19°R19 | 1♓33 | 3°R22 | 4♍31 | 22°R 9 | 24♈ 5 | 22♈54 | 4♌21 | 26♋ 3 | W 1 |
| T 2 | 3 7 22 | 15°32'19 | 28°23 | 18♏10 | 14°24 | 8°22 | 19♊14 | 1°34 | 3♋21 | 4°32 | 22♈ 8 | 24°R 5 | 22°51 | 4°28 | 26°R 3 | T 2 |
| F 3 | 3 11 18 | 16°33'02 | 11♏56 | 16°48 | 15°38 | 9° 7 | 19° 8 | 1°34 | 3°19 | 4°33 | 22° 7 | 24° 4 | 22°48 | 4°34 | 26° 3 | F 3 |
| S 4 | 3 15 15 | 17°33'46 | 25°47 | 15°27 | 16°52 | 9°52 | 19° 2 | 1°34 | 3°18 | 4°34 | 22° 6 | 24° 2 | 22°45 | 4°41 | 26° 2 | S 4 |
| S 5 | 3 19 11 | 18°34'31 | 9♐54 | 14° 8 | 18° 6 | 10°37 | 18°56 | 1°35 | 3°16 | 4°35 | 22° 5 | 23°59 | 22°41 | 4°48 | 26° 2 | S 5 |
| M 6 | 3 23 8 | 19°35'18 | 24°13 | 12°55 | 19°20 | 11°22 | 18°50 | 1°36 | 3°14 | 4°36 | 22° 4 | 23°55 | 22°38 | 4°55 | 26° 2 | M 6 |
| T 7 | 3 27 4 | 20°36'06 | 8♑36 | 11°50 | 20°34 | 12° 7 | 18°44 | 1°37 | 3°13 | 4°36 | 22° 3 | 23°51 | 22°35 | 5° 1 | 26° 1 | T 7 |
| W 8 | 3 31 1 | 21°36'54 | 23° 0 | 10°54 | 21°48 | 12°53 | 18°37 | 1°37 | 3°11 | 4°37 | 22° 2 | 23°48 | 22°32 | 5° 8 | 26° 1 | W 8 |
| T 9 | 3 34 58 | 22°37'44 | 7♒21 | 10° 8 | 23° 2 | 13°38 | 18°31 | 1°38 | 3° 9 | 4°38 | 22° 1 | 23°46 | 22°29 | 5°15 | 26° 0 | T 9 |
| F 10 | 3 38 54 | 23°38'35 | 21°33 | 9°34 | 24°17 | 14°24 | 18°24 | 1°40 | 3° 8 | 4°39 | 22° 0 | 23°D45 | 22°26 | 5°21 | 25°59 | F 10 |
| S 11 | 3 42 51 | 24°39'27 | 5♓36 | 9°12 | 25°30 | 15° 9 | 18°17 | 1°41 | 3° 6 | 4°39 | 21°59 | 23°45 | 22°22 | 5°28 | 25°58 | S 11 |
| S 12 | 3 46 47 | 25°40'19 | 19°29 | 9° 1 | 26°44 | 15°55 | 18°10 | 1°42 | 3° 4 | 4°40 | 21°58 | 23°47 | 22°19 | 5°35 | 25°57 | S 12 |
| M13 | 3 50 44 | 26°41'12 | 3♈11 | 9°D 1 | 27°58 | 16°40 | 18° 3 | 1°44 | 3° 2 | 4°41 | 21°57 | 23°48 | 22°16 | 5°42 | 25°56 | M13 |
| T 14 | 3 54 40 | 27°42'06 | 16°41 | 9°11 | 29°12 | 17°26 | 17°56 | 1°45 | 3° 0 | 4°41 | 21°56 | 23°49 | 22°13 | 5°48 | 25°55 | T 14 |
| W15 | 3 58 37 | 28°43'02 | 29°59 | 9°30 | 0♑26 | 18°12 | 17°49 | 1°47 | 2°58 | 4°42 | 21°55 | 23°R50 | 22°10 | 5°55 | 25°54 | W15 |
| T 16 | 4 2 33 | 29°43'58 | 13♉ 7 | 9°59 | 1°40 | 18°57 | 17°41 | 1°49 | 2°56 | 4°42 | 21°54 | 23°48 | 22° 6 | 6° 2 | 25°52 | T 16 |
| F 17 | 4 6 30 | 0♐44'55 | 26° 3 | 10°35 | 2°54 | 19°43 | 17°34 | 1°50 | 2°54 | 4°43 | 21°54 | 23°44 | 22° 3 | 6° 8 | 25°51 | F 17 |
| S 18 | 4 10 27 | 1°45'53 | 8♊46 | 11°17 | 4° 8 | 20°29 | 17°26 | 1°52 | 2°52 | 4°43 | 21°53 | 23°39 | 22° 0 | 6°15 | 25°49 | S 18 |
| S 19 | 4 14 23 | 2°46'52 | 21°16 | 12° 6 | 5°22 | 21°15 | 17°18 | 1°54 | 2°50 | 4°44 | 21°52 | 23°32 | 21°57 | 6°22 | 25°48 | S 19 |
| M20 | 4 18 20 | 3°47'52 | 3♋35 | 13° 1 | 6°35 | 22° 1 | 17°11 | 1°57 | 2°48 | 4°44 | 21°51 | 23°24 | 21°54 | 6°29 | 25°46 | M20 |
| T 21 | 4 22 16 | 4°48'53 | 15°43 | 14° 0 | 7°49 | 22°47 | 17° 3 | 1°59 | 2°45 | 4°45 | 21°50 | 23°16 | 21°51 | 6°35 | 25°44 | T 21 |
| W22 | 4 26 13 | 5°49'55 | 27°41 | 15° 3 | 9° 3 | 23°33 | 16°55 | 2° 1 | 2°43 | 4°45 | 21°50 | 23° 9 | 21°47 | 6°42 | 25°42 | W22 |
| T 23 | 4 30 9 | 6°50'58 | 9♌34 | 16°10 | 10°16 | 24°19 | 16°47 | 2° 4 | 2°41 | 4°45 | 21°49 | 23° 4 | 21°44 | 6°49 | 25°40 | T 23 |
| F 24 | 4 34 6 | 7°52'02 | 21°25 | 17°20 | 11°30 | 25° 5 | 16°39 | 2° 6 | 2°39 | 4°45 | 21°48 | 23° 0 | 21°41 | 6°56 | 25°38 | F 24 |
| S 25 | 4 38 2 | 8°53'07 | 3♍18 | 18°32 | 12°44 | 25°51 | 16°31 | 2° 9 | 2°36 | 4°46 | 21°47 | 22°58 | 21°38 | 7° 2 | 25°36 | S 25 |
| S 26 | 4 41 59 | 9°54'13 | 15°19 | 19°47 | 13°57 | 26°37 | 16°23 | 2°12 | 2°34 | 4°46 | 21°47 | 22°D58 | 21°35 | 7° 9 | 25°34 | S 26 |
| M27 | 4 45 56 | 10°55'20 | 27°31 | 21° 4 | 15°11 | 27°23 | 16°15 | 2°15 | 2°32 | 4°46 | 21°46 | 22°59 | 21°32 | 7°16 | 25°31 | M27 |
| T 28 | 4 49 52 | 11°56'28 | 10♎ 2 | 22°23 | 16°24 | 28°10 | 16° 7 | 2°17 | 2°29 | 4°46 | 21°45 | 23° 1 | 21°28 | 7°22 | 25°29 | T 28 |
| W29 | 4 53 49 | 12°57'36 | 22°54 | 23°43 | 17°38 | 28°56 | 15°59 | 2°21 | 2°27 | 4°46 | 21°45 | 23°R 1 | 21°25 | 7°29 | 25°26 | W29 |
| T 30 | 4 57 45 | 13♐58'46 | 6♏11 | 25♏ 5 | 18♑51 | 29♐42 | 15♊51 | 2♓24 | 2♋25 | 4♍46 | 21♈44 | 23♈ 0 | 21♈22 | 7♌36 | 25♋23 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s17 | 5s16 | 0n49 | 17s54 | 0s14 | 23s43 | 1s14 | 22s26 | 0s45 | 22n37 | 0s31 | 12s53 | 2s 2 | 23n49 | 0n18 | 10n46 | 0n56 | 7s 7 | 17s 0 | 9n23 | 8n57 | 24n10 | 14n34 | 6s35 |
| T 2 | 16 34 | 11 19 | 0s24 | 17 13 | 0n 7 | 23 54 | 1 16 | 22 34 | 0 46 | 22 37 | 0 31 | 12 52 | 2 2 | 23 49 | 0 18 | 10 46 | 0 56 | 7 7 | 17 0 | 9 23 | 8 56 | 24 8 | 14 33 | 6 36 |
| F 3 | 16 52 | 17 1 | 1 37 | 16 30 | 0 27 | 24 4 | 1 18 | 22 41 | 0 46 | 22 36 | 0 31 | 12 52 | 2 2 | 23 49 | 0 18 | 10 46 | 0 56 | 7 8 | 17 0 | 9 23 | 8 54 | 24 6 | 14 33 | 6 37 |
| S 4 | 17 9 | 21 59 | 2 45 | 15 47 | 0 48 | 24 14 | 1 20 | 22 49 | 0 47 | 22 36 | 0 30 | 12 52 | 2 2 | 23 49 | 0 18 | 10 45 | 0 56 | 7 8 | 17 0 | 9 22 | 8 53 | 24 4 | 14 32 | 6 37 |
| S 5 | 17 26 | 25 46 | 3 45 | 15 6 | 1 7 | 24 23 | 1 23 | 22 56 | 0 47 | 22 35 | 0 30 | 12 51 | 2 2 | 23 49 | 0 18 | 10 45 | 0 56 | 7 8 | 16 59 | 9 21 | 8 52 | 24 2 | 14 31 | 6 38 |
| M 6 | 17 43 | 27 58 | 4 32 | 14 27 | 1 25 | 24 32 | 1 25 | 23 3 | 0 48 | 22 35 | 0 30 | 12 51 | 2 2 | 23 49 | 0 18 | 10 45 | 0 56 | 7 8 | 16 59 | 9 20 | 8 51 | 24 0 | 14 31 | 6 39 |
| T 7 | 17 59 | 28 18 | 5 2 | 13 52 | 1 41 | 24 40 | 1 27 | 23 9 | 0 48 | 22 34 | 0 30 | 12 51 | 2 1 | 23 49 | 0 18 | 10 45 | 0 56 | 7 8 | 16 59 | 9 18 | 8 50 | 23 58 | 14 30 | 6 39 |
| W 8 | 18 15 | 26 43 | 5 13 | 13 21 | 1 55 | 24 47 | 1 29 | 23 15 | 0 49 | 22 34 | 0 30 | 12 50 | 2 1 | 23 49 | 0 18 | 10 44 | 0 56 | 7 9 | 16 59 | 9 17 | 8 49 | 23 57 | 14 30 | 6 40 |
| T 9 | 18 31 | 23 25 | 5 4 | 12 55 | 2 7 | 24 53 | 1 31 | 23 22 | 0 49 | 22 33 | 0 30 | 12 50 | 2 1 | 23 49 | 0 18 | 10 44 | 0 57 | 7 9 | 16 59 | 9 16 | 8 47 | 23 55 | 14 29 | 6 41 |
| F 10 | 18 47 | 18 45 | 4 37 | 12 35 | 2 17 | 24 58 | 1 32 | 23 27 | 0 49 | 22 33 | 0 30 | 12 49 | 2 1 | 23 49 | 0 18 | 10 44 | 0 57 | 7 9 | 16 58 | 9 16 | 8 46 | 23 53 | 14 29 | 6 41 |
| S 11 | 19 2 | 13 7 | 3 53 | 12 21 | 2 25 | 25 3 | 1 34 | 23 33 | 0 50 | 22 32 | 0 30 | 12 48 | 2 1 | 23 49 | 0 18 | 10 44 | 0 57 | 7 9 | 16 58 | 9 16 | 8 45 | 23 51 | 14 28 | 6 42 |
| S 12 | 19 16 | 6 53 | 2 57 | 12 12 | 2 30 | 25 7 | 1 36 | 23 39 | 0 50 | 22 32 | 0 30 | 12 48 | 2 1 | 23 49 | 0 18 | 10 43 | 0 57 | 7 9 | 16 58 | 9 16 | 8 44 | 23 49 | 14 28 | 6 43 |
| M13 | 19 31 | 0 25 | 1 50 | 12 8 | 2 34 | 25 10 | 1 38 | 23 44 | 0 51 | 22 31 | 0 30 | 12 47 | 2 0 | 23 49 | 0 18 | 10 43 | 0 57 | 7 9 | 16 58 | 9 17 | 8 43 | 23 47 | 14 27 | 6 43 |
| T 14 | 19 45 | 5n59 | 0 39 | 12 9 | 2 37 | 25 13 | 1 39 | 23 49 | 0 51 | 22 31 | 0 30 | 12 46 | 2 0 | 23 49 | 0 18 | 10 43 | 0 57 | 7 9 | 16 58 | 9 17 | 8 41 | 23 45 | 14 27 | 6 44 |
| W15 | 19 58 | 12 3 | 0n34 | 12 14 | 2 38 | 25 14 | 1 41 | 23 53 | 0 52 | 22 30 | 0 29 | 12 46 | 2 0 | 23 49 | 0 18 | 10 43 | 0 57 | 7 9 | 16 57 | 9 17 | 8 40 | 23 43 | 14 26 | 6 45 |
| T 16 | 20 12 | 17 29 | 1 43 | 12 24 | 2 37 | 25 15 | 1 43 | 23 57 | 0 52 | 22 30 | 0 29 | 12 45 | 2 0 | 23 49 | 0 18 | 10 43 | 0 57 | 7 10 | 16 57 | 9 17 | 8 39 | 23 41 | 14 26 | 6 45 |
| F 17 | 20 24 | 22 3 | 2 46 | 12 36 | 2 36 | 25 15 | 1 44 | 24 2 | 0 52 | 22 29 | 0 29 | 12 44 | 2 0 | 23 49 | 0 18 | 10 43 | 0 57 | 7 10 | 16 57 | 9 15 | 8 38 | 23 40 | 14 26 | 6 46 |
| S 18 | 20 37 | 25 29 | 3 40 | 12 52 | 2 33 | 25 15 | 1 45 | 24 5 | 0 53 | 22 29 | 0 29 | 12 43 | 2 0 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 57 | 9 13 | 8 37 | 23 38 | 14 25 | 6 46 |
| S 19 | 20 49 | 27 37 | 4 22 | 13 10 | 2 29 | 25 14 | 1 47 | 24 9 | 0 53 | 22 28 | 0 29 | 12 42 | 1 59 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 56 | 9 11 | 8 35 | 23 36 | 14 25 | 6 47 |
| M20 | 21 1 | 28 21 | 4 51 | 13 31 | 2 25 | 25 11 | 1 48 | 24 12 | 0 54 | 22 27 | 0 29 | 12 41 | 1 59 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 56 | 9 8 | 8 34 | 23 34 | 14 25 | 6 48 |
| T 21 | 21 12 | 27 41 | 5 6 | 13 53 | 2 20 | 25 9 | 1 49 | 24 15 | 0 54 | 22 27 | 0 29 | 12 40 | 1 59 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 56 | 9 5 | 8 33 | 23 32 | 14 25 | 6 48 |
| W22 | 21 23 | 25 45 | 5 8 | 14 17 | 2 15 | 25 5 | 1 50 | 24 18 | 0 54 | 22 26 | 0 29 | 12 39 | 1 59 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 56 | 9 3 | 8 32 | 23 30 | 14 24 | 6 49 |
| T 23 | 21 34 | 22 41 | 4 56 | 14 42 | 2 9 | 25 0 | 1 51 | 24 21 | 0 55 | 22 25 | 0 29 | 12 38 | 1 59 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 55 | 9 0 | 8 31 | 23 28 | 14 24 | 6 49 |
| F 24 | 21 44 | 18 43 | 4 32 | 15 8 | 2 3 | 24 55 | 1 52 | 24 23 | 0 55 | 22 25 | 0 28 | 12 37 | 1 59 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 55 | 8 59 | 8 30 | 23 26 | 14 24 | 6 50 |
| S 25 | 21 53 | 14 0 | 3 56 | 15 34 | 1 56 | 24 49 | 1 53 | 24 25 | 0 55 | 22 24 | 0 28 | 12 36 | 1 58 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 55 | 8 58 | 8 28 | 23 24 | 14 24 | 6 51 |
| S 26 | 22 3 | 8 43 | 3 9 | 16 1 | 1 49 | 24 43 | 1 54 | 24 26 | 0 56 | 22 23 | 0 28 | 12 35 | 1 58 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 55 | 8 58 | 8 27 | 23 22 | 14 24 | 6 51 |
| M27 | 22 11 | 3 1 | 2 13 | 16 29 | 1 42 | 24 35 | 1 55 | 24 28 | 0 56 | 22 23 | 0 28 | 12 34 | 1 58 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 54 | 8 59 | 8 26 | 23 20 | 14 24 | 6 52 |
| T 28 | 22 20 | 2s56 | 1 9 | 16 56 | 1 35 | 24 27 | 1 55 | 24 29 | 0 56 | 22 22 | 0 28 | 12 33 | 1 58 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 54 | 8 59 | 8 25 | 23 18 | 14 23 | 6 52 |
| W29 | 22 28 | 8 56 | 0 1 | 17 23 | 1 27 | 24 18 | 1 56 | 24 30 | 0 57 | 22 21 | 0 28 | 12 31 | 1 58 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 54 | 9 0 | 8 24 | 23 16 | 14 23 | 6 53 |
| T 30 | 22s35 | 14s45 | 1s10 | 17s51 | 1n20 | 24s 9 | 1s57 | 24s30 | 0s57 | 22n21 | 0s28 | 12s30 | 1s58 | 23n50 | 0n18 | 10n42 | 0n57 | 7s10 | 16s53 | 8n59 | 8n22 | 23n14 | 14n23 | 6s53 |

Julian Day Number = 2127154.5, Delta T = 17m05s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'30, Lahiri = 11°28'30 Julian Calendar 1 Nov. 1111 == Greg. Calendar 8 Nov. 1111


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# ASTRODIENST EPHEMERIS for the year 1111
# geocentric

## DECEMBER 1111 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 1 42 | 14♐59'56 | 19♏55 | 26♏28 | 20♑ 5 | 0♑29 | 15°R43 | 2♓27 | 2°R22 | 4°R46 | 21°R43 | 22°R57 | 21♈19 | 7♌43 | 25°R21 | F 1 |
| S 2 | 5 5 38 | 16° 1'07 | 4♐ 4 | 27°52 | 21°18 | 1°15 | 15♊34 | 2°30 | 2♋20 | 4♍46 | 21♈43 | 22♈52 | 21°16 | 7°49 | 25♋18 | S 2 |
| S 3 | 5 9 35 | 17° 2'19 | 18°36 | 29°17 | 22°31 | 2° 2 | 15°26 | 2°34 | 2°17 | 4°46 | 21°42 | 22°44 | 21°12 | 7°56 | 25°15 | S 3 |
| M 4 | 5 13 32 | 18° 3'30 | 3♑22 | 0♐43 | 23°45 | 2°48 | 15°18 | 2°37 | 2°15 | 4°46 | 21°42 | 22°35 | 21° 9 | 8° 3 | 25°12 | M 4 |
| T 5 | 5 17 28 | 19° 4'43 | 18°16 | 2° 9 | 24°58 | 3°35 | 15°10 | 2°41 | 2°12 | 4°46 | 21°41 | 22°26 | 21° 6 | 8° 9 | 25° 9 | T 5 |
| W 6 | 5 21 25 | 20° 5'55 | 3♒ 7 | 3°36 | 26°11 | 4°21 | 15° 2 | 2°45 | 2°10 | 4°46 | 21°40 | 22°18 | 21° 3 | 8°16 | 25° 6 | W 6 |
| T 7 | 5 25 21 | 21° 7'07 | 17°48 | 5° 4 | 27°24 | 5° 8 | 14°54 | 2°48 | 2° 7 | 4°46 | 21°40 | 22°11 | 21° 0 | 8°23 | 25° 3 | T 7 |
| F 8 | 5 29 18 | 22° 8'20 | 2♓13 | 6°32 | 28°38 | 5°55 | 14°46 | 2°52 | 2° 5 | 4°46 | 21°39 | 22° 7 | 20°57 | 8°30 | 25° 0 | F 8 |
| S 9 | 5 33 14 | 23° 9'32 | 16°20 | 8° 1 | 29°51 | 6°41 | 14°38 | 2°56 | 2° 2 | 4°45 | 21°39 | 22° 5 | 20°53 | 8°36 | 24°56 | S 9 |
| S 10 | 5 37 11 | 24°10'44 | 0♈ 8 | 9°30 | 1♒ 4 | 7°28 | 14°30 | 3° 0 | 2° 0 | 4°45 | 21°39 | 22°D 5 | 20°50 | 8°43 | 24°53 | S 10 |
| M11 | 5 41 7 | 25°11'55 | 13°36 | 11° 0 | 2°17 | 8°15 | 14°22 | 3° 5 | 1°57 | 4°45 | 21°38 | 22° 6 | 20°47 | 8°50 | 24°49 | M11 |
| T 12 | 5 45 4 | 26°13'07 | 26°49 | 12°30 | 3°29 | 9° 1 | 14°14 | 3° 9 | 1°54 | 4°44 | 21°38 | 22°R 6 | 20°44 | 8°56 | 24°46 | T 12 |
| W13 | 5 49 1 | 27°14'18 | 9♉47 | 14° 1 | 4°42 | 9°48 | 14° 6 | 3°13 | 1°52 | 4°44 | 21°37 | 22° 4 | 20°41 | 9° 3 | 24°42 | W13 |
| T 14 | 5 52 57 | 28°15'30 | 22°33 | 15°32 | 5°55 | 10°35 | 13°59 | 3°18 | 1°49 | 4°44 | 21°37 | 22° 0 | 20°38 | 9°10 | 24°39 | T 14 |
| F 15 | 5 56 54 | 29°16'41 | 5♊ 8 | 17° 3 | 7° 8 | 11°22 | 13°51 | 3°22 | 1°47 | 4°43 | 21°37 | 21°53 | 20°34 | 9°17 | 24°35 | F 15 |
| S 16 | 6 0 50 | 0♑17'52 | 17°34 | 18°34 | 8°20 | 12° 9 | 13°43 | 3°27 | 1°44 | 4°43 | 21°36 | 21°43 | 20°31 | 9°23 | 24°31 | S 16 |
| S 17 | 6 4 47 | 1°19'03 | 29°51 | 20° 7 | 9°33 | 12°56 | 13°36 | 3°31 | 1°41 | 4°42 | 21°36 | 21°31 | 20°28 | 9°30 | 24°27 | S 17 |
| M18 | 6 8 43 | 2°20'13 | 12♋ 1 | 21°39 | 10°45 | 13°43 | 13°29 | 3°36 | 1°39 | 4°42 | 21°36 | 21°18 | 20°25 | 9°37 | 24°24 | M18 |
| T 19 | 6 12 40 | 3°21'24 | 24° 2 | 23°12 | 11°58 | 14°30 | 13°21 | 3°41 | 1°36 | 4°41 | 21°35 | 21° 4 | 20°22 | 9°43 | 24°20 | T 19 |
| W20 | 6 16 36 | 4°22'34 | 5♌58 | 24°45 | 13°10 | 15°17 | 13°14 | 3°46 | 1°34 | 4°40 | 21°35 | 20°51 | 20°18 | 9°50 | 24°16 | W20 |
| T 21 | 6 20 33 | 5°23'45 | 17°50 | 26°19 | 14°23 | 16° 4 | 13° 7 | 3°51 | 1°31 | 4°40 | 21°35 | 20°40 | 20°15 | 9°57 | 24°12 | T 21 |
| F 22 | 6 24 30 | 6°24'55 | 29°40 | 27°53 | 15°35 | 16°51 | 13° 0 | 3°56 | 1°29 | 4°39 | 21°35 | 20°31 | 20°12 | 10° 4 | 24° 8 | F 22 |
| S 23 | 6 28 26 | 7°26'05 | 11♍31 | 29°27 | 16°47 | 17°38 | 12°53 | 4° 1 | 1°26 | 4°38 | 21°35 | 20°26 | 20° 9 | 10°10 | 24° 4 | S 23 |
| S 24 | 6 32 23 | 8°27'14 | 23°29 | 1♑ 2 | 17°59 | 18°25 | 12°47 | 4° 6 | 1°23 | 4°38 | 21°34 | 20°23 | 20° 6 | 10°17 | 24° 0 | S 24 |
| M25 | 6 36 19 | 9°28'24 | 5♎37 | 2°38 | 19°11 | 19°12 | 12°40 | 4°11 | 1°21 | 4°37 | 21°34 | 20°D22 | 20° 3 | 10°24 | 23°55 | M25 |
| T 26 | 6 40 16 | 10°29'33 | 18° 2 | 4°14 | 20°23 | 19°59 | 12°34 | 4°17 | 1°18 | 4°36 | 21°34 | 20°R22 | 19°59 | 10°30 | 23°51 | T 26 |
| W27 | 6 44 12 | 11°30'43 | 0♏49 | 5°50 | 21°35 | 20°47 | 12°27 | 4°22 | 1°16 | 4°35 | 21°34 | 20°22 | 19°56 | 10°37 | 23°47 | W27 |
| T 28 | 6 48 9 | 12°31'52 | 14° 1 | 7°27 | 22°46 | 21°34 | 12°21 | 4°28 | 1°13 | 4°34 | 21°34 | 20°20 | 19°53 | 10°44 | 23°43 | T 28 |
| F 29 | 6 52 5 | 13°33'00 | 27°43 | 9° 4 | 23°58 | 22°21 | 12°15 | 4°33 | 1°11 | 4°33 | 21°34 | 20°16 | 19°50 | 10°51 | 23°38 | F 29 |
| S 30 | 6 56 2 | 14°34'09 | 11♐55 | 10°42 | 25° 9 | 23° 8 | 12° 9 | 4°39 | 1° 8 | 4°32 | 21°D34 | 20° 9 | 19°47 | 10°57 | 23°34 | S 30 |
| S 31 | 6 59 59 | 15♑35'17 | 26♐35 | 12♑21 | 26♒21 | 23♑56 | 12♊ 4 | 4♓44 | 1♋ 6 | 4♍32 | 21♈34 | 19♈59 | 19♈44 | 11♌ 4 | 23♋30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s42 | 20s 2 | 2s19 | 18s18 | 1n12 | 23s58 | 1s57 | 24s31 | 0s57 | 22n20 | 0s27 | 12s29 | 1s58 | 23n50 | 0n18 | 10n42 | 0n57 | 7s10 | 16s53 | 8n58 | 8n21 | 23n12 | 14n23 | 6s54 |
| S 2 | 22 49 | 24 22 | 3 22 | 18 44 | 1 4 | 23 47 | 1 57 | 24 31 | 0 58 | 22 19 | 0 27 | 12 27 | 1 57 | 23 50 | 0 18 | 10 42 | 0 57 | 7 10 | 16 53 | 8 56 | 8 20 | 23 10 | 14 23 | 6 54 |
| S 3 | 22 55 | 27 16 | 4 13 | 19 10 | 0 57 | 23 36 | 1 58 | 24 30 | 0 58 | 22 18 | 0 27 | 12 26 | 1 57 | 23 50 | 0 18 | 10 42 | 0 58 | 7 10 | 16 52 | 8 53 | 8 19 | 23 8 | 14 23 | 6 55 |
| M 4 | 23 1 | 28 19 | 4 48 | 19 36 | 0 49 | 23 23 | 1 58 | 24 30 | 0 58 | 22 18 | 0 27 | 12 25 | 1 57 | 23 51 | 0 18 | 10 42 | 0 58 | 7 10 | 16 52 | 8 50 | 8 18 | 23 6 | 14 23 | 6 55 |
| T 5 | 23 6 | 27 19 | 5 4 | 20 1 | 0 41 | 23 10 | 1 58 | 24 29 | 0 59 | 22 17 | 0 27 | 12 23 | 1 57 | 23 51 | 0 18 | 10 42 | 0 58 | 7 10 | 16 52 | 8 46 | 8 16 | 23 4 | 14 23 | 6 56 |
| W 6 | 23 11 | 24 24 | 4 59 | 20 25 | 0 34 | 22 57 | 1 58 | 24 28 | 0 59 | 22 16 | 0 27 | 12 22 | 1 57 | 23 51 | 0 18 | 10 42 | 0 58 | 7 9 | 16 52 | 8 43 | 8 15 | 23 2 | 14 23 | 6 56 |
| T 7 | 23 15 | 19 56 | 4 35 | 20 49 | 0 26 | 22 42 | 1 58 | 24 27 | 0 59 | 22 15 | 0 27 | 12 20 | 1 57 | 23 51 | 0 18 | 10 42 | 0 58 | 7 9 | 16 51 | 8 41 | 8 14 | 23 0 | 14 23 | 6 57 |
| F 8 | 23 19 | 14 22 | 3 54 | 21 12 | 0 19 | 22 27 | 1 57 | 24 25 | 0 59 | 22 15 | 0 26 | 12 19 | 1 57 | 23 51 | 0 18 | 10 42 | 0 58 | 7 9 | 16 51 | 8 39 | 8 13 | 22 58 | 14 24 | 6 57 |
| S 9 | 23 23 | 8 9 | 2 59 | 21 34 | 0 11 | 22 11 | 1 57 | 24 23 | 1 0 | 22 14 | 0 26 | 12 17 | 1 56 | 23 51 | 0 18 | 10 43 | 0 58 | 7 9 | 16 51 | 8 39 | 8 12 | 22 55 | 14 24 | 6 58 |
| S 10 | 23 26 | 1 42 | 1 54 | 21 55 | 0 4 | 21 55 | 1 57 | 24 21 | 1 0 | 22 13 | 0 26 | 12 15 | 1 56 | 23 51 | 0 18 | 10 43 | 0 58 | 7 9 | 16 50 | 8 38 | 8 10 | 22 53 | 14 24 | 6 58 |
| M11 | 23 28 | 4n42 | 0 45 | 22 15 | 0s 3 | 21 38 | 1 56 | 24 18 | 1 0 | 22 12 | 0 26 | 12 14 | 1 56 | 23 51 | 0 18 | 10 43 | 0 58 | 7 9 | 16 50 | 8 39 | 8 9 | 22 51 | 14 24 | 6 59 |
| T 12 | 23 30 | 10 47 | 0n25 | 22 35 | 0 10 | 21 21 | 1 56 | 24 15 | 1 0 | 22 12 | 0 26 | 12 12 | 1 56 | 23 51 | 0 18 | 10 43 | 0 58 | 7 9 | 16 50 | 8 39 | 8 8 | 22 49 | 14 24 | 6 59 |
| W13 | 23 32 | 16 17 | 1 33 | 22 53 | 0 17 | 21 3 | 1 55 | 24 12 | 1 1 | 22 11 | 0 26 | 12 10 | 1 56 | 23 51 | 0 18 | 10 43 | 0 58 | 7 8 | 16 49 | 8 38 | 8 7 | 22 47 | 14 25 | 6 59 |
| T 14 | 23 33 | 20 59 | 2 34 | 23 10 | 0 24 | 20 44 | 1 54 | 24 9 | 1 1 | 22 10 | 0 25 | 12 9 | 1 56 | 23 51 | 0 18 | 10 43 | 0 58 | 7 8 | 16 49 | 8 37 | 8 6 | 22 45 | 14 25 | 7 0 |
| F 15 | 23 33 | 24 40 | 3 27 | 23 26 | 0 31 | 20 25 | 1 54 | 24 5 | 1 1 | 22 9 | 0 25 | 12 7 | 1 56 | 23 51 | 0 18 | 10 44 | 0 58 | 7 8 | 16 49 | 8 34 | 8 4 | 22 43 | 14 25 | 7 0 |
| S 16 | 23 33 | 27 7 | 4 10 | 23 41 | 0 37 | 20 5 | 1 53 | 24 1 | 1 1 | 22 9 | 0 25 | 12 5 | 1 56 | 23 51 | 0 18 | 10 44 | 0 58 | 7 8 | 16 48 | 8 30 | 8 3 | 22 41 | 14 25 | 7 0 |
| S 17 | 23 33 | 28 13 | 4 40 | 23 55 | 0 44 | 19 44 | 1 52 | 23 57 | 1 2 | 22 8 | 0 25 | 12 3 | 1 55 | 23 51 | 0 18 | 10 44 | 0 58 | 7 8 | 16 48 | 8 26 | 8 2 | 22 39 | 14 26 | 7 1 |
| M18 | 23 32 | 27 56 | 4 57 | 24 7 | 0 50 | 19 24 | 1 50 | 23 52 | 1 2 | 22 7 | 0 25 | 12 1 | 1 55 | 23 51 | 0 18 | 10 44 | 0 58 | 7 7 | 16 48 | 8 21 | 8 1 | 22 37 | 14 26 | 7 1 |
| T 19 | 23 31 | 26 20 | 5 0 | 24 19 | 0 56 | 19 2 | 1 49 | 23 48 | 1 2 | 22 6 | 0 25 | 12 0 | 1 55 | 23 51 | 0 18 | 10 45 | 0 58 | 7 7 | 16 47 | 8 15 | 8 0 | 22 34 | 14 26 | 7 1 |
| W20 | 23 29 | 23 33 | 4 50 | 24 29 | 1 2 | 18 40 | 1 48 | 23 42 | 1 2 | 22 6 | 0 24 | 11 58 | 1 55 | 23 51 | 0 18 | 10 45 | 0 58 | 7 7 | 16 47 | 8 11 | 7 58 | 22 32 | 14 27 | 7 2 |
| T 21 | 23 27 | 19 49 | 4 28 | 24 38 | 1 8 | 18 18 | 1 47 | 23 37 | 1 2 | 22 5 | 0 24 | 11 56 | 1 55 | 23 51 | 0 18 | 10 45 | 0 58 | 7 7 | 16 47 | 8 6 | 7 57 | 22 30 | 14 27 | 7 2 |
| F 22 | 23 24 | 15 18 | 3 54 | 24 45 | 1 13 | 17 55 | 1 45 | 23 31 | 1 3 | 22 4 | 0 24 | 11 54 | 1 55 | 23 51 | 0 18 | 10 45 | 0 58 | 7 6 | 16 46 | 8 3 | 7 56 | 22 28 | 14 27 | 7 2 |
| S 23 | 23 21 | 10 12 | 3 10 | 24 52 | 1 18 | 17 32 | 1 43 | 23 26 | 1 3 | 22 4 | 0 24 | 11 52 | 1 55 | 23 51 | 0 19 | 10 46 | 0 58 | 7 6 | 16 46 | 8 1 | 7 55 | 22 26 | 14 28 | 7 3 |
| S 24 | 23 17 | 4 42 | 2 17 | 24 56 | 1 23 | 17 8 | 1 42 | 23 19 | 1 3 | 22 3 | 0 24 | 11 50 | 1 55 | 23 51 | 0 19 | 10 46 | 0 58 | 7 6 | 16 45 | 8 0 | 7 54 | 22 24 | 14 28 | 7 3 |
| M25 | 23 13 | 1s 4 | 1 17 | 25 0 | 1 28 | 16 43 | 1 40 | 23 13 | 1 3 | 22 2 | 0 23 | 11 48 | 1 55 | 23 52 | 0 19 | 10 46 | 0 58 | 7 6 | 16 45 | 8 0 | 7 52 | 22 22 | 14 29 | 7 3 |
| T 26 | 23 8 | 6 55 | 0 12 | 25 2 | 1 33 | 16 19 | 1 38 | 23 6 | 1 3 | 22 2 | 0 23 | 11 46 | 1 54 | 23 52 | 0 19 | 10 47 | 0 58 | 7 5 | 16 45 | 8 0 | 7 51 | 22 19 | 14 29 | 7 3 |
| W27 | 23 3 | 12 40 | 0s55 | 25 2 | 1 37 | 15 54 | 1 36 | 22 59 | 1 3 | 22 1 | 0 23 | 11 44 | 1 54 | 23 52 | 0 19 | 10 47 | 0 59 | 7 5 | 16 44 | 8 0 | 7 50 | 22 17 | 14 30 | 7 4 |
| T 28 | 22 58 | 18 3 | 2 2 | 25 1 | 1 41 | 15 28 | 1 34 | 22 52 | 1 4 | 22 0 | 0 23 | 11 42 | 1 54 | 23 52 | 0 19 | 10 47 | 0 59 | 7 5 | 16 44 | 7 59 | 7 49 | 22 15 | 14 30 | 7 4 |
| F 29 | 22 52 | 22 43 | 3 3 | 24 59 | 1 45 | 15 2 | 1 32 | 22 44 | 1 4 | 22 0 | 0 23 | 11 39 | 1 54 | 23 52 | 0 19 | 10 48 | 0 59 | 7 4 | 16 44 | 7 57 | 7 48 | 22 13 | 14 31 | 7 4 |
| S 30 | 22 45 | 26 14 | 3 56 | 24 55 | 1 48 | 14 36 | 1 29 | 22 37 | 1 4 | 21 59 | 0 23 | 11 37 | 1 54 | 23 52 | 0 19 | 10 48 | 0 59 | 7 4 | 16 43 | 7 55 | 7 46 | 22 11 | 14 31 | 7 4 |
| S 31 | 22s38 | 28s 6 | 4s36 | 24s50 | 1s51 | 14s10 | 1s27 | 22s29 | 1s 4 | 21n59 | 0s22 | 11s35 | 1s54 | 23n52 | 0n19 | 10n48 | 0n59 | 7s 4 | 16s43 | 7n51 | 7n45 | 22n 8 | 14n32 | 7s 4 |

Julian Day Number = 2127184.5, Delta T = 17m05s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'34, Lahiri = 11°28'34 Julian Calendar 1 Dec. 1111 == Greg. Calendar 8 Dec. 1111


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## JANUARY 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 3 55 | 16♉36'25 | 11♉36 | 14♉ 0 | 27♒32 | 24♉43 | 11°R58 | 4♓50 | 1°R 3 | 4°R31 | 21♈34 | 19°R48 | 19♈40 | 11♌11 | 23°R25 | M 1 |
| T 2 | 7 7 52 | 17°37'32 | 26°49 | 15°39 | 28°44 | 25°30 | 11♊53 | 4°56 | 1♋ 1 | 4♍30 | 21°34 | 19♈36 | 19°37 | 11°17 | 23♋21 | T 2 |
| W 3 | 7 11 48 | 18°38'38 | 12♒ 3 | 17°20 | 29°55 | 26°17 | 11°48 | 5° 2 | 0°58 | 4°29 | 21°34 | 19°24 | 19°34 | 11°24 | 23°17 | W 3 |
| T 4 | 7 15 45 | 19°39'43 | 27° 8 | 19° 0 | 1♓ 6 | 27° 5 | 11°43 | 5° 8 | 0°56 | 4°27 | 21°34 | 19°15 | 19°31 | 11°31 | 23°12 | T 4 |
| F 5 | 7 19 41 | 20°40'46 | 11♓53 | 20°42 | 2°17 | 27°52 | 11°38 | 5°14 | 0°53 | 4°26 | 21°34 | 19° 9 | 19°28 | 11°38 | 23° 8 | F 5 |
| S 6 | 7 23 38 | 21°41'49 | 26°15 | 22°24 | 3°27 | 28°39 | 11°33 | 5°20 | 0°51 | 4°25 | 21°34 | 19° 6 | 19°25 | 11°44 | 23° 3 | S 6 |
| S 7 | 7 27 35 | 22°42'51 | 10♈11 | 24° 6 | 4°38 | 29°27 | 11°28 | 5°26 | 0°49 | 4°24 | 21°35 | 19° 5 | 19°21 | 11°51 | 22°59 | S 7 |
| M 8 | 7 31 31 | 23°43'51 | 23°41 | 25°49 | 5°49 | 0♒14 | 11°24 | 5°32 | 0°46 | 4°23 | 21°35 | 19° 4 | 19°18 | 11°58 | 22°55 | M 8 |
| T 9 | 7 35 28 | 24°44'50 | 6♉49 | 27°33 | 6°59 | 1° 2 | 11°20 | 5°38 | 0°44 | 4°22 | 21°35 | 19° 4 | 19°15 | 12° 4 | 22°50 | T 9 |
| W10 | 7 39 24 | 25°45'48 | 19°38 | 29°18 | 8° 9 | 1°49 | 11°16 | 5°44 | 0°42 | 4°21 | 21°35 | 19° 2 | 19°12 | 12°11 | 22°46 | W10 |
| T 11 | 7 43 21 | 26°46'45 | 2♊12 | 1♒ 3 | 9°20 | 2°36 | 11°12 | 5°51 | 0°39 | 4°19 | 21°35 | 18°58 | 19° 9 | 12°18 | 22°41 | T 11 |
| F 12 | 7 47 17 | 27°47'40 | 14°33 | 2°48 | 10°30 | 3°24 | 11° 9 | 5°57 | 0°37 | 4°18 | 21°36 | 18°51 | 19° 5 | 12°25 | 22°37 | F 12 |
| S 13 | 7 51 14 | 28°48'34 | 26°45 | 4°34 | 11°39 | 4°11 | 11° 5 | 6° 4 | 0°35 | 4°17 | 21°36 | 18°40 | 19° 2 | 12°31 | 22°33 | S 13 |
| S 14 | 7 55 10 | 29°49'27 | 8♋51 | 6°20 | 12°49 | 4°59 | 11° 2 | 6°10 | 0°33 | 4°16 | 21°36 | 18°28 | 18°59 | 12°38 | 22°28 | S 14 |
| M15 | 7 59 7 | 0♒50'18 | 20°51 | 8° 7 | 13°59 | 5°46 | 10°59 | 6°16 | 0°31 | 4°14 | 21°37 | 18°13 | 18°56 | 12°45 | 22°24 | M15 |
| T 16 | 8 3 4 | 1°51'09 | 2♌46 | 9°54 | 15° 8 | 6°33 | 10°56 | 6°23 | 0°29 | 4°13 | 21°37 | 17°59 | 18°53 | 12°51 | 22°19 | T 16 |
| W17 | 8 7 0 | 2°51'58 | 14°39 | 11°41 | 16°17 | 7°21 | 10°54 | 6°30 | 0°26 | 4°12 | 21°37 | 17°45 | 18°50 | 12°58 | 22°15 | W17 |
| T 18 | 8 10 57 | 3°52'45 | 26°30 | 13°29 | 17°26 | 8° 8 | 10°51 | 6°36 | 0°24 | 4°10 | 21°38 | 17°33 | 18°46 | 13° 5 | 22°11 | T 18 |
| F 19 | 8 14 53 | 4°53'32 | 8♍21 | 15°16 | 18°35 | 8°56 | 10°49 | 6°43 | 0°22 | 4° 9 | 21°38 | 17°24 | 18°43 | 13°12 | 22° 7 | F 19 |
| S 20 | 8 18 50 | 5°54'17 | 20°15 | 17° 3 | 19°44 | 9°43 | 10°47 | 6°50 | 0°20 | 4° 7 | 21°39 | 17°18 | 18°40 | 13°18 | 22° 2 | S 20 |
| S 21 | 8 22 46 | 6°55'02 | 2♎14 | 18°49 | 20°53 | 10°31 | 10°45 | 6°56 | 0°18 | 4° 6 | 21°39 | 17°15 | 18°37 | 13°25 | 21°58 | S 21 |
| M22 | 8 26 43 | 7°55'45 | 14°23 | 20°35 | 22° 1 | 11°18 | 10°43 | 7° 3 | 0°17 | 4° 5 | 21°40 | 17°D14 | 18°34 | 13°32 | 21°54 | M22 |
| T 23 | 8 30 39 | 8°56'26 | 26°46 | 22°19 | 23° 9 | 12° 5 | 10°42 | 7°10 | 0°15 | 4° 3 | 21°40 | 17°14 | 18°30 | 13°38 | 21°50 | T 23 |
| W24 | 8 34 36 | 9°57'07 | 9♏28 | 24° 2 | 24°17 | 12°53 | 10°41 | 7°17 | 0°13 | 4° 2 | 21°41 | 17°R14 | 18°27 | 13°45 | 21°46 | W24 |
| T 25 | 8 38 33 | 10°57'47 | 22°33 | 25°44 | 25°25 | 13°40 | 10°40 | 7°24 | 0°11 | 4° 0 | 21°41 | 17°14 | 18°24 | 13°52 | 21°42 | T 25 |
| F 26 | 8 42 29 | 11°58'25 | 6♐ 6 | 27°23 | 26°33 | 14°28 | 10°39 | 7°31 | 0° 9 | 3°59 | 21°42 | 17°11 | 18°21 | 13°59 | 21°37 | F 26 |
| S 27 | 8 46 26 | 12°59'03 | 20° 9 | 28°59 | 27°40 | 15°15 | 10°38 | 7°38 | 0° 8 | 3°57 | 21°42 | 17° 6 | 18°18 | 14° 5 | 21°33 | S 27 |
| S 28 | 8 50 22 | 13°59'39 | 4♑40 | 0♓32 | 28°47 | 16° 3 | 10°38 | 7°45 | 0° 6 | 3°56 | 21°43 | 16°59 | 18°15 | 14°12 | 21°30 | S 28 |
| M29 | 8 54 19 | 15° 0'14 | 19°36 | 2° 1 | 29°54 | 16°50 | 10°38 | 7°52 | 0° 4 | 3°54 | 21°44 | 16°50 | 18°11 | 14°19 | 21°26 | M29 |
| T 30 | 8 58 15 | 16° 0'47 | 4♒50 | 3°26 | 1♈ 1 | 17°37 | 10°D38 | 7°59 | 0° 3 | 3°52 | 21°44 | 16°40 | 18° 8 | 14°25 | 21°22 | T 30 |
| W31 | 9 2 12 | 17♒ 1'19 | 20♒11 | 4♓46 | 2♈ 7 | 18♒25 | 10♊38 | 8♓ 6 | 0♋ 1 | 3♍51 | 21♈45 | 16♈31 | 18♈ 5 | 14♌32 | 21♋18 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s31 | 27s58 | 4s57 | 24s42 | 1s54 | 13s43 | 1s25 | 22s20 | 1s 4 | 21n58 | 0s22 | 11s33 | 1s54 | 23n52 | 0n19 | 10n49 | 0n59 | 7s 3 | 16s43 | 7n47 | 7n44 | 22n 6 | 14n32 | 7s 4 |
| T 2 | 22 23 | 25 45 | 4 57 | 24 34 | 1 57 | 13 15 | 1 22 | 22 12 | 1 4 | 21 58 | 0 22 | 11 31 | 1 54 | 23 52 | 0 19 | 10 49 | 0 59 | 7 3 | 16 42 | 7 42 | 7 43 | 22 4 | 14 33 | 7 4 |
| W 3 | 22 15 | 21 41 | 4 37 | 24 23 | 1 59 | 12 48 | 1 19 | 22 3 | 1 4 | 21 57 | 0 22 | 11 28 | 1 54 | 23 52 | 0 19 | 10 50 | 0 59 | 7 3 | 16 42 | 7 38 | 7 42 | 22 2 | 14 34 | 7 5 |
| T 4 | 22 6 | 16 14 | 3 57 | 24 11 | 2 1 | 12 20 | 1 17 | 21 54 | 1 4 | 21 57 | 0 22 | 11 26 | 1 54 | 23 52 | 0 19 | 10 50 | 0 59 | 7 2 | 16 41 | 7 34 | 7 40 | 22 0 | 14 34 | 7 5 |
| F 5 | 21 57 | 9 57 | 3 3 | 23 58 | 2 2 | 11 52 | 1 14 | 21 45 | 1 5 | 21 56 | 0 21 | 11 24 | 1 53 | 23 52 | 0 19 | 10 50 | 0 59 | 7 2 | 16 41 | 7 32 | 7 39 | 21 57 | 14 35 | 7 5 |
| S 6 | 21 48 | 3 18 | 1 57 | 23 43 | 2 3 | 11 23 | 1 11 | 21 35 | 1 5 | 21 56 | 0 21 | 11 22 | 1 53 | 23 52 | 0 19 | 10 51 | 0 59 | 7 2 | 16 41 | 7 31 | 7 38 | 21 55 | 14 35 | 7 5 |
| S 7 | 21 38 | 3n20 | 0 47 | 23 26 | 2 4 | 10 55 | 1 8 | 21 25 | 1 5 | 21 55 | 0 21 | 11 19 | 1 53 | 23 52 | 0 19 | 10 51 | 0 59 | 7 1 | 16 40 | 7 30 | 7 37 | 21 53 | 14 36 | 7 5 |
| M 8 | 21 28 | 9 37 | 0n24 | 23 7 | 2 4 | 10 26 | 1 5 | 21 15 | 1 5 | 21 55 | 0 21 | 11 17 | 1 53 | 23 52 | 0 19 | 10 52 | 0 59 | 7 1 | 16 40 | 7 30 | 7 35 | 21 51 | 14 37 | 7 5 |
| T 9 | 21 17 | 15 18 | 1 32 | 22 46 | 2 4 | 9 56 | 1 2 | 21 5 | 1 5 | 21 54 | 0 21 | 11 14 | 1 53 | 23 52 | 0 19 | 10 52 | 0 59 | 7 0 | 16 40 | 7 30 | 7 34 | 21 48 | 14 38 | 7 5 |
| W10 | 21 6 | 20 12 | 2 34 | 22 24 | 2 3 | 9 27 | 0 58 | 20 54 | 1 5 | 21 54 | 0 20 | 11 12 | 1 53 | 23 52 | 0 19 | 10 53 | 0 59 | 7 0 | 16 39 | 7 29 | 7 33 | 21 46 | 14 38 | 7 5 |
| T 11 | 20 54 | 24 4 | 3 26 | 22 0 | 2 2 | 8 57 | 0 55 | 20 44 | 1 5 | 21 54 | 0 20 | 11 10 | 1 53 | 23 52 | 0 19 | 10 53 | 0 59 | 7 0 | 16 39 | 7 28 | 7 32 | 21 44 | 14 39 | 7 5 |
| F 12 | 20 42 | 26 46 | 4 9 | 21 35 | 2 0 | 8 28 | 0 51 | 20 33 | 1 5 | 21 53 | 0 20 | 11 7 | 1 53 | 23 52 | 0 19 | 10 54 | 0 59 | 6 59 | 16 39 | 7 25 | 7 31 | 21 42 | 14 40 | 7 5 |
| S 13 | 20 30 | 28 9 | 4 38 | 21 7 | 1 58 | 7 58 | 0 48 | 20 21 | 1 5 | 21 53 | 0 20 | 11 5 | 1 53 | 23 52 | 0 19 | 10 54 | 0 59 | 6 59 | 16 38 | 7 21 | 7 29 | 21 39 | 14 40 | 7 5 |
| S 14 | 20 17 | 28 10 | 4 56 | 20 38 | 1 55 | 7 28 | 0 44 | 20 10 | 1 5 | 21 53 | 0 20 | 11 2 | 1 53 | 23 52 | 0 19 | 10 55 | 0 59 | 6 58 | 16 38 | 7 16 | 7 28 | 21 37 | 14 41 | 7 5 |
| M15 | 20 4 | 26 52 | 4 59 | 20 8 | 1 52 | 6 57 | 0 40 | 19 58 | 1 5 | 21 53 | 0 20 | 11 0 | 1 53 | 23 52 | 0 19 | 10 55 | 0 59 | 6 58 | 16 38 | 7 11 | 7 27 | 21 35 | 14 42 | 7 5 |
| T 16 | 19 51 | 24 20 | 4 50 | 19 35 | 1 48 | 6 27 | 0 37 | 19 47 | 1 5 | 21 52 | 0 19 | 10 57 | 1 53 | 23 52 | 0 19 | 10 56 | 0 59 | 6 57 | 16 37 | 7 5 | 7 26 | 21 32 | 14 43 | 7 5 |
| W17 | 19 37 | 20 47 | 4 28 | 19 1 | 1 44 | 5 56 | 0 33 | 19 34 | 1 5 | 21 52 | 0 19 | 10 55 | 1 53 | 23 52 | 0 19 | 10 56 | 0 59 | 6 57 | 16 37 | 7 0 | 7 25 | 21 30 | 14 43 | 7 5 |
| T 18 | 19 23 | 16 25 | 3 54 | 18 26 | 1 39 | 5 25 | 0 29 | 19 22 | 1 5 | 21 52 | 0 19 | 10 52 | 1 53 | 23 52 | 0 19 | 10 57 | 0 59 | 6 56 | 16 36 | 6 55 | 7 23 | 21 28 | 14 44 | 7 4 |
| F 19 | 19 8 | 11 25 | 3 10 | 17 49 | 1 33 | 4 55 | 0 25 | 19 10 | 1 5 | 21 52 | 0 19 | 10 50 | 1 53 | 23 52 | 0 19 | 10 57 | 0 59 | 6 56 | 16 36 | 6 52 | 7 22 | 21 25 | 14 45 | 7 4 |
| S 20 | 18 53 | 6 0 | 2 18 | 17 10 | 1 26 | 4 24 | 0 20 | 18 57 | 1 5 | 21 52 | 0 19 | 10 47 | 1 52 | 23 52 | 0 19 | 10 58 | 0 59 | 6 55 | 16 36 | 6 50 | 7 21 | 21 23 | 14 46 | 7 4 |
| S 21 | 18 38 | 0 19 | 1 19 | 16 31 | 1 19 | 3 53 | 0 16 | 18 44 | 1 5 | 21 52 | 0 18 | 10 45 | 1 52 | 23 52 | 0 19 | 10 58 | 0 59 | 6 55 | 16 35 | 6 48 | 7 20 | 21 21 | 14 47 | 7 4 |
| M22 | 18 23 | 5s28 | 0 15 | 15 50 | 1 11 | 3 22 | 0 12 | 18 31 | 1 5 | 21 52 | 0 18 | 10 42 | 1 52 | 23 52 | 0 19 | 10 59 | 0 59 | 6 54 | 16 35 | 6 48 | 7 19 | 21 18 | 14 47 | 7 4 |
| T 23 | 18 7 | 11 9 | 0s51 | 15 8 | 1 3 | 2 51 | 0 7 | 18 18 | 1 5 | 21 52 | 0 18 | 10 39 | 1 52 | 23 52 | 0 19 | 11 0 | 0 59 | 6 54 | 16 35 | 6 48 | 7 17 | 21 16 | 14 48 | 7 4 |
| W24 | 17 50 | 16 32 | 1 55 | 14 25 | 0 53 | 2 20 | 0 3 | 18 4 | 1 5 | 21 52 | 0 18 | 10 37 | 1 52 | 23 52 | 0 19 | 11 0 | 0 59 | 6 53 | 16 34 | 6 48 | 7 16 | 21 14 | 14 49 | 7 4 |
| T 25 | 17 34 | 21 20 | 2 56 | 13 41 | 0 43 | 1 48 | 0n 2 | 17 50 | 1 5 | 21 52 | 0 18 | 10 34 | 1 52 | 23 52 | 0 19 | 11 1 | 0 59 | 6 53 | 16 34 | 6 48 | 7 15 | 21 11 | 14 50 | 7 3 |
| F 26 | 17 17 | 25 12 | 3 50 | 12 57 | 0 32 | 1 17 | 0 6 | 17 36 | 1 5 | 21 52 | 0 17 | 10 32 | 1 52 | 23 52 | 0 19 | 11 1 | 0 59 | 6 52 | 16 34 | 6 47 | 7 14 | 21 9 | 14 51 | 7 3 |
| S 27 | 17 0 | 27 41 | 4 31 | 12 12 | 0 21 | 0 46 | 0 11 | 17 22 | 1 5 | 21 52 | 0 17 | 10 29 | 1 52 | 23 52 | 0 19 | 11 2 | 0 59 | 6 52 | 16 33 | 6 45 | 7 12 | 21 7 | 14 51 | 7 3 |
| S 28 | 16 43 | 28 25 | 4 57 | 11 28 | 0 8 | 0 15 | 0 16 | 17 8 | 1 5 | 21 52 | 0 17 | 10 26 | 1 52 | 23 52 | 0 19 | 11 2 | 0 59 | 6 51 | 16 33 | 6 42 | 7 11 | 21 4 | 14 52 | 7 3 |
| M29 | 16 25 | 27 7 | 5 3 | 10 44 | 0n 5 | 0n16 | 0 20 | 16 54 | 1 5 | 21 52 | 0 17 | 10 24 | 1 52 | 23 52 | 0 19 | 11 3 | 1 0 | 6 51 | 16 33 | 6 39 | 7 10 | 21 2 | 14 53 | 7 2 |
| T 30 | 16 7 | 23 49 | 4 49 | 10 1 | 0 18 | 0 47 | 0 25 | 16 39 | 1 5 | 21 52 | 0 17 | 10 21 | 1 52 | 23 52 | 0 19 | 11 4 | 1 0 | 6 50 | 16 32 | 6 35 | 7 9 | 21 0 | 14 54 | 7 2 |
| W31 | 15s49 | 18s50 | 4s13 | 9s18 | 0n33 | 1n19 | 0n30 | 16s24 | 1s 5 | 21n53 | 0s17 | 10s18 | 1s52 | 23n52 | 0n19 | 11n 4 | 1n 0 | 6s50 | 16s32 | 6n31 | 7n 8 | 20n57 | 14n55 | 7s 2 |

Julian Day Number = 2127215.5, Delta T = 17m05s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'38, Lahiri = 11°28'39 Julian Calendar 1 Jan. 1112 == Greg. Calendar 8 Jan. 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## FEBRUARY 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 6 8 | 18♒ 1'48 | 5♓26 | 5♓59 | 3♈14 | 19♒12 | 10♊38 | 8♓13 | 29°R59 | 3°R49 | 21♈46 | 16°R23 | 18♈ 2 | 14♌39 | 21°R14 | T 1 |
| F 2 | 9 10 5 | 19° 2'17 | 20°26 | 7° 7 | 4°20 | 20° 0 | 10°39 | 8°21 | 29♊58 | 3♍48 | 21°46 | 16♈18 | 17°59 | 14°46 | 21♋11 | F 2 |
| S 3 | 9 14 2 | 20° 2'43 | 5♈ 3 | 8° 7 | 5°26 | 20°47 | 10°39 | 8°28 | 29°57 | 3°46 | 21°47 | 16°16 | 17°56 | 14°52 | 21° 7 | S 3 |
| S 4 | 9 17 58 | 21° 3'07 | 19°13 | 8°59 | 6°31 | 21°34 | 10°40 | 8°35 | 29°55 | 3°44 | 21°48 | 16°D15 | 17°52 | 14°59 | 21° 3 | S 4 |
| M 5 | 9 21 55 | 22° 3'29 | 2♉54 | 9°43 | 7°36 | 22°22 | 10°42 | 8°42 | 29°54 | 3°43 | 21°49 | 16°16 | 17°49 | 15° 6 | 21° 0 | M 5 |
| T 6 | 9 25 51 | 23° 3'50 | 16° 8 | 10°18 | 8°41 | 23° 9 | 10°43 | 8°49 | 29°53 | 3°41 | 21°49 | 16°17 | 17°46 | 15°12 | 20°56 | T 6 |
| W 7 | 9 29 48 | 24° 4'08 | 28°59 | 10°44 | 9°46 | 23°56 | 10°45 | 8°57 | 29°52 | 3°40 | 21°50 | 16°R17 | 17°43 | 15°19 | 20°53 | W 7 |
| T 8 | 9 33 44 | 25° 4'24 | 11♊31 | 11° 1 | 10°51 | 24°44 | 10°46 | 9° 4 | 29°50 | 3°38 | 21°51 | 16°15 | 17°40 | 15°26 | 20°50 | T 8 |
| F 9 | 9 37 41 | 26° 4'38 | 23°48 | 11°R 7 | 11°55 | 25°31 | 10°48 | 9°11 | 29°49 | 3°36 | 21°52 | 16°12 | 17°36 | 15°32 | 20°46 | F 9 |
| S 10 | 9 41 37 | 27° 4'51 | 5♋53 | 11° 4 | 12°58 | 26°18 | 10°50 | 9°19 | 29°48 | 3°35 | 21°53 | 16° 6 | 17°33 | 15°39 | 20°43 | S 10 |
| S 11 | 9 45 34 | 28° 5'01 | 17°52 | 10°52 | 14° 2 | 27° 6 | 10°53 | 9°26 | 29°47 | 3°33 | 21°53 | 15°58 | 17°30 | 15°46 | 20°40 | S 11 |
| M12 | 9 49 31 | 29° 5'09 | 29°45 | 10°30 | 15° 5 | 27°53 | 10°55 | 9°33 | 29°46 | 3°31 | 21°54 | 15°49 | 17°27 | 15°53 | 20°37 | M12 |
| T 13 | 9 53 27 | 0♓ 5'15 | 11♌37 | 10° 0 | 16° 8 | 28°40 | 10°58 | 9°41 | 29°45 | 3°30 | 21°55 | 15°40 | 17°24 | 15°59 | 20°34 | T 13 |
| W14 | 9 57 24 | 1° 5'19 | 23°28 | 9°23 | 17°10 | 29°27 | 11° 1 | 9°48 | 29°44 | 3°28 | 21°56 | 15°31 | 17°21 | 16° 6 | 20°31 | W14 |
| T 15 | 10 1 20 | 2° 5'21 | 5♍21 | 8°38 | 18°12 | 0♓14 | 11° 4 | 9°56 | 29°44 | 3°26 | 21°57 | 15°24 | 17°17 | 16°13 | 20°28 | T 15 |
| F 16 | 10 5 17 | 3° 5'21 | 17°17 | 7°48 | 19°14 | 1° 2 | 11° 7 | 10° 3 | 29°43 | 3°25 | 21°58 | 15°18 | 17°14 | 16°19 | 20°26 | F 16 |
| S 17 | 10 9 13 | 4° 5'19 | 29°18 | 6°53 | 20°15 | 1°49 | 11°11 | 10°10 | 29°42 | 3°23 | 21°59 | 15°14 | 17°11 | 16°26 | 20°23 | S 17 |
| S 18 | 10 13 10 | 5° 5'15 | 11♎26 | 5°56 | 21°16 | 2°36 | 11°14 | 10°18 | 29°41 | 3°21 | 22° 0 | 15°D13 | 17° 8 | 16°33 | 20°21 | S 18 |
| M19 | 10 17 6 | 6° 5'09 | 23°43 | 4°56 | 22°17 | 3°23 | 11°18 | 10°25 | 29°41 | 3°20 | 22° 1 | 15°13 | 17° 5 | 16°40 | 20°18 | M19 |
| T 20 | 10 21 3 | 7° 5'02 | 6♏12 | 3°57 | 23°17 | 4°10 | 11°22 | 10°33 | 29°40 | 3°18 | 22° 2 | 15°15 | 17° 2 | 16°46 | 20°16 | T 20 |
| W21 | 10 25 0 | 8° 4'53 | 18°58 | 2°58 | 24°17 | 4°57 | 11°26 | 10°40 | 29°40 | 3°16 | 22° 3 | 15°16 | 16°58 | 16°53 | 20°13 | W21 |
| T 22 | 10 28 56 | 9° 4'43 | 2♐ 2 | 2° 2 | 25°16 | 5°44 | 11°31 | 10°48 | 29°39 | 3°15 | 22° 4 | 15°17 | 16°55 | 17° 0 | 20°11 | T 22 |
| F 23 | 10 32 53 | 10° 4'30 | 15°29 | 1° 9 | 26°15 | 6°31 | 11°35 | 10°55 | 29°39 | 3°13 | 22° 5 | 15°R17 | 16°52 | 17° 6 | 20° 9 | F 23 |
| S 24 | 10 36 49 | 11° 4'16 | 29°21 | 0°20 | 27°13 | 7°18 | 11°40 | 11° 3 | 29°38 | 3°11 | 22° 6 | 15°16 | 16°49 | 17°13 | 20° 7 | S 24 |
| S 25 | 10 40 46 | 12° 4'01 | 13♑37 | 29♒36 | 28°11 | 8° 5 | 11°45 | 11°10 | 29°38 | 3°10 | 22° 7 | 15°13 | 16°46 | 17°20 | 20° 5 | S 25 |
| M26 | 10 44 42 | 13° 3'43 | 28°17 | 28°58 | 29° 8 | 8°52 | 11°50 | 11°18 | 29°38 | 3° 8 | 22° 8 | 15° 9 | 16°42 | 17°26 | 20° 3 | M26 |
| T 27 | 10 48 39 | 14° 3'24 | 13♒13 | 28°25 | 0♉ 5 | 9°39 | 11°55 | 11°25 | 29°38 | 3° 6 | 22°10 | 15° 5 | 16°39 | 17°33 | 20° 1 | T 27 |
| W28 | 10 52 35 | 15° 3'03 | 28°20 | 27°58 | 1° 1 | 10°26 | 12° 1 | 11°32 | 29°38 | 3° 5 | 22°11 | 15° 0 | 16°36 | 17°40 | 20° 0 | W28 |
| T 29 | 10 56 32 | 16♓ 2'39 | 13♓28 | 27♒38 | 1♉57 | 11♓13 | 12♊ 6 | 11♓40 | 29♊37 | 3♍ 3 | 22♈12 | 14♈57 | 16♈33 | 17♌47 | 19♋58 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s30 | 12s40 | 3s20 | 8s38 | 0n47 | 1n50 | 0n35 | 16s 9 | 1s 4 | 21n53 | 0s16 | 10s15 | 1s52 | 23n52 | 0n19 | 11n 5 | 1n 0 | 6s49 | 16s32 | 6n29 | 7n 6 | 20n55 | 14n56 | 7s 1 |
| F 2 | 15 11 | 5 51 | 2 14 | 7 59 | 1 2 | 2 21 | 0 40 | 15 54 | 1 4 | 21 53 | 0 16 | 10 13 | 1 52 | 23 52 | 0 19 | 11 5 | 1 0 | 6 49 | 16 31 | 6 27 | 7 5 | 20 52 | 14 57 | 7 1 |
| S 3 | 14 52 | 1n 6 | 1 0 | 7 22 | 1 17 | 2 52 | 0 45 | 15 39 | 1 4 | 21 53 | 0 16 | 10 10 | 1 52 | 23 52 | 0 19 | 11 6 | 1 0 | 6 48 | 16 31 | 6 26 | 7 4 | 20 50 | 14 57 | 7 1 |
| S 4 | 14 33 | 7 48 | 0n16 | 6 48 | 1 33 | 3 22 | 0 51 | 15 24 | 1 4 | 21 54 | 0 16 | 10 7 | 1 52 | 23 52 | 0 19 | 11 7 | 1 0 | 6 48 | 16 31 | 6 25 | 7 3 | 20 48 | 14 58 | 7 1 |
| M 5 | 14 14 | 13 55 | 1 28 | 6 18 | 1 48 | 3 53 | 0 56 | 15 8 | 1 4 | 21 54 | 0 16 | 10 5 | 1 52 | 23 52 | 0 19 | 11 7 | 1 0 | 6 47 | 16 30 | 6 26 | 7 2 | 20 45 | 14 59 | 7 0 |
| T 6 | 13 54 | 19 11 | 2 33 | 5 50 | 2 3 | 4 24 | 1 1 | 14 52 | 1 4 | 21 54 | 0 16 | 10 2 | 1 52 | 23 52 | 0 19 | 11 8 | 1 0 | 6 46 | 16 30 | 6 26 | 7 0 | 20 43 | 15 0 | 7 0 |
| W 7 | 13 34 | 23 25 | 3 29 | 5 27 | 2 18 | 4 54 | 1 6 | 14 36 | 1 4 | 21 55 | 0 15 | 9 59 | 1 52 | 23 52 | 0 19 | 11 8 | 1 0 | 6 46 | 16 30 | 6 26 | 6 59 | 20 40 | 15 1 | 6 59 |
| T 8 | 13 14 | 26 27 | 4 13 | 5 7 | 2 33 | 5 25 | 1 12 | 14 20 | 1 4 | 21 55 | 0 15 | 9 56 | 1 52 | 23 52 | 0 19 | 11 9 | 1 0 | 6 45 | 16 30 | 6 25 | 6 58 | 20 38 | 15 2 | 6 59 |
| F 9 | 12 53 | 28 8 | 4 44 | 4 52 | 2 46 | 5 55 | 1 17 | 14 4 | 1 3 | 21 56 | 0 15 | 9 53 | 1 52 | 23 52 | 0 19 | 11 10 | 1 0 | 6 45 | 16 29 | 6 24 | 6 57 | 20 36 | 15 3 | 6 59 |
| S 10 | 12 33 | 28 27 | 5 2 | 4 41 | 2 59 | 6 25 | 1 23 | 13 48 | 1 3 | 21 56 | 0 15 | 9 51 | 1 52 | 23 52 | 0 19 | 11 10 | 1 0 | 6 44 | 16 29 | 6 22 | 6 55 | 20 33 | 15 3 | 6 58 |
| S 11 | 12 12 | 27 25 | 5 7 | 4 35 | 3 10 | 6 55 | 1 28 | 13 32 | 1 3 | 21 57 | 0 15 | 9 48 | 1 52 | 23 52 | 0 19 | 11 11 | 1 0 | 6 44 | 16 29 | 6 19 | 6 54 | 20 31 | 15 4 | 6 58 |
| M12 | 11 51 | 25 9 | 4 58 | 4 34 | 3 21 | 7 24 | 1 34 | 13 15 | 1 3 | 21 57 | 0 14 | 9 45 | 1 52 | 23 52 | 0 19 | 11 12 | 1 0 | 6 43 | 16 28 | 6 15 | 6 53 | 20 28 | 15 5 | 6 57 |
| T 13 | 11 30 | 21 48 | 4 36 | 4 38 | 3 29 | 7 54 | 1 39 | 12 58 | 1 3 | 21 58 | 0 14 | 9 42 | 1 52 | 23 52 | 0 19 | 11 12 | 1 0 | 6 42 | 16 28 | 6 12 | 6 52 | 20 26 | 15 6 | 6 57 |
| W14 | 11 8 | 17 35 | 4 3 | 4 46 | 3 36 | 8 23 | 1 45 | 12 42 | 1 2 | 21 58 | 0 14 | 9 40 | 1 52 | 23 52 | 0 19 | 11 13 | 1 0 | 6 42 | 16 28 | 6 8 | 6 51 | 20 23 | 15 7 | 6 57 |
| T 15 | 10 47 | 12 40 | 3 19 | 4 58 | 3 41 | 8 52 | 1 50 | 12 25 | 1 2 | 21 59 | 0 14 | 9 37 | 1 52 | 23 52 | 0 19 | 11 13 | 1 0 | 6 41 | 16 28 | 6 5 | 6 49 | 20 21 | 15 8 | 6 56 |
| F 16 | 10 25 | 7 17 | 2 25 | 5 14 | 3 44 | 9 21 | 1 56 | 12 8 | 1 2 | 22 0 | 0 14 | 9 34 | 1 52 | 23 52 | 0 19 | 11 14 | 1 0 | 6 41 | 16 27 | 6 3 | 6 48 | 20 18 | 15 9 | 6 56 |
| S 17 | 10 3 | 1 35 | 1 25 | 5 33 | 3 44 | 9 50 | 2 2 | 11 51 | 1 2 | 22 0 | 0 14 | 9 31 | 1 52 | 23 52 | 0 18 | 11 15 | 1 0 | 6 40 | 16 27 | 6 2 | 6 47 | 20 16 | 15 9 | 6 55 |
| S 18 | 9 42 | 4s14 | 0 21 | 5 55 | 3 43 | 10 18 | 2 7 | 11 33 | 1 2 | 22 1 | 0 13 | 9 28 | 1 52 | 23 52 | 0 18 | 11 15 | 1 0 | 6 39 | 16 27 | 6 1 | 6 46 | 20 13 | 15 10 | 6 55 |
| M19 | 9 19 | 9 58 | 0s46 | 6 20 | 3 40 | 10 46 | 2 13 | 11 16 | 1 1 | 22 2 | 0 13 | 9 25 | 1 52 | 23 52 | 0 18 | 11 16 | 1 0 | 6 39 | 16 26 | 6 1 | 6 44 | 20 11 | 15 11 | 6 54 |
| T 20 | 8 57 | 15 25 | 1 52 | 6 47 | 3 34 | 11 14 | 2 19 | 10 59 | 1 1 | 22 2 | 0 13 | 9 23 | 1 52 | 23 52 | 0 18 | 11 16 | 1 0 | 6 38 | 16 26 | 6 2 | 6 43 | 20 9 | 15 12 | 6 54 |
| W21 | 8 35 | 20 19 | 2 53 | 7 15 | 3 27 | 11 42 | 2 25 | 10 41 | 1 1 | 22 3 | 0 13 | 9 20 | 1 52 | 23 52 | 0 18 | 11 17 | 1 0 | 6 38 | 16 26 | 6 3 | 6 42 | 20 6 | 15 13 | 6 53 |
| T 22 | 8 12 | 24 23 | 3 48 | 7 43 | 3 18 | 12 9 | 2 30 | 10 24 | 1 1 | 22 4 | 0 13 | 9 17 | 1 52 | 23 52 | 0 18 | 11 18 | 1 0 | 6 37 | 16 26 | 6 3 | 6 41 | 20 4 | 15 14 | 6 53 |
| F 23 | 7 50 | 27 15 | 4 31 | 8 11 | 3 8 | 12 36 | 2 36 | 10 6 | 1 1 | 22 5 | 0 13 | 9 14 | 1 52 | 23 52 | 0 18 | 11 18 | 1 0 | 6 36 | 16 25 | 6 3 | 6 40 | 20 1 | 15 14 | 6 52 |
| S 24 | 7 27 | 28 33 | 5 0 | 8 39 | 2 56 | 13 3 | 2 42 | 9 48 | 1 0 | 22 5 | 0 12 | 9 11 | 1 52 | 23 52 | 0 18 | 11 19 | 1 0 | 6 36 | 16 25 | 6 2 | 6 38 | 19 59 | 15 15 | 6 52 |
| S 25 | 7 4 | 28 1 | 5 12 | 9 7 | 2 44 | 13 29 | 2 48 | 9 30 | 1 0 | 22 6 | 0 12 | 9 9 | 1 52 | 23 52 | 0 18 | 11 20 | 1 0 | 6 35 | 16 25 | 6 1 | 6 37 | 19 56 | 15 16 | 6 51 |
| M26 | 6 41 | 25 34 | 5 4 | 9 33 | 2 30 | 13 55 | 2 54 | 9 12 | 1 0 | 22 7 | 0 12 | 9 6 | 1 52 | 23 52 | 0 18 | 11 20 | 1 0 | 6 35 | 16 25 | 6 0 | 6 36 | 19 53 | 15 17 | 6 50 |
| T 27 | 6 18 | 21 19 | 4 35 | 9 57 | 2 16 | 14 21 | 2 59 | 8 54 | 0 59 | 22 8 | 0 12 | 9 3 | 1 52 | 23 52 | 0 18 | 11 21 | 1 0 | 6 34 | 16 25 | 5 58 | 6 35 | 19 51 | 15 18 | 6 50 |
| W28 | 5 55 | 15 40 | 3 48 | 10 20 | 2 2 | 14 46 | 3 5 | 8 36 | 0 59 | 22 9 | 0 12 | 9 0 | 1 53 | 23 52 | 0 18 | 11 21 | 1 0 | 6 33 | 16 24 | 5 56 | 6 33 | 19 48 | 15 19 | 6 49 |
| T 29 | 5s32 | 9s 3 | 2s44 | 10s41 | 1n47 | 15n11 | 3n11 | 8s18 | 0s59 | 22n10 | 0s12 | 8s57 | 1s53 | 23n52 | 0n18 | 11n22 | 1n 0 | 6s33 | 16s24 | 5n55 | 6n32 | 19n46 | 15n19 | 6s49 |

Julian Day Number = 2127246.5, Delta T = 17m04s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'42, Lahiri = 11°28'43 Julian Calendar 1 Feb. 1112 == Greg. Calendar 8 Feb. 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## MARCH 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 0 29 | 17♓ 2'14 | 28♓26 | 27°R24 | 2♉52 | 12♓ 0 | 12♊12 | 11♓47 | 29°D37 | 3°R 2 | 22♈13 | 14°R54 | 16♈30 | 17♌53 | 19°R57 | F 1 |
| S 2 | 11 4 25 | 18° 1'46 | 13♈ 6 | 27♒16 | 3°46 | 12°46 | 12°18 | 11°55 | 29♊37 | 3♍ 0 | 22°14 | 14°D54 | 16°27 | 18° 0 | 19♋55 | S 2 |
| S 3 | 11 8 22 | 19° 1'17 | 27°23 | 27°D14 | 4°40 | 13°33 | 12°24 | 12° 2 | 29°37 | 2°58 | 22°15 | 14♈54 | 16°23 | 18° 7 | 19°54 | S 3 |
| M 4 | 11 12 18 | 20° 0'45 | 11♉14 | 27°17 | 5°34 | 14°20 | 12°30 | 12°10 | 29°38 | 2°57 | 22°16 | 14°55 | 16°20 | 18°13 | 19°53 | M 4 |
| T 5 | 11 16 15 | 21° 0'11 | 24°37 | 27°27 | 6°26 | 15° 7 | 12°36 | 12°17 | 29°38 | 2°55 | 22°18 | 14°57 | 16°17 | 18°20 | 19°52 | T 5 |
| W 6 | 11 20 11 | 21°59'34 | 7♊36 | 27°42 | 7°18 | 15°53 | 12°43 | 12°24 | 29°38 | 2°54 | 22°19 | 14°58 | 16°14 | 18°27 | 19°51 | W 6 |
| T 7 | 11 24 8 | 22°58'55 | 20°12 | 28° 1 | 8° 9 | 16°40 | 12°49 | 12°32 | 29°38 | 2°52 | 22°20 | 14°R59 | 16°11 | 18°33 | 19°50 | T 7 |
| F 8 | 11 28 4 | 23°58'14 | 2♋31 | 28°26 | 9° 0 | 17°26 | 12°56 | 12°39 | 29°39 | 2°50 | 22°21 | 14°59 | 16° 8 | 18°40 | 19°49 | F 8 |
| S 9 | 11 32 1 | 24°57'30 | 14°37 | 28°55 | 9°49 | 18°13 | 13° 3 | 12°47 | 29°39 | 2°49 | 22°23 | 14°57 | 16° 4 | 18°47 | 19°48 | S 9 |
| S 10 | 11 35 58 | 25°56'44 | 26°33 | 29°29 | 10°38 | 19° 0 | 13°10 | 12°54 | 29°39 | 2°47 | 22°24 | 14°55 | 16° 1 | 18°54 | 19°48 | S 10 |
| M11 | 11 39 54 | 26°55'56 | 8♌25 | 0♓ 6 | 11°26 | 19°46 | 13°18 | 13° 1 | 29°40 | 2°46 | 22°25 | 14°53 | 15°58 | 19° 0 | 19°47 | M11 |
| T 12 | 11 43 51 | 27°55'05 | 20°15 | 0°48 | 12°13 | 20°32 | 13°25 | 13° 9 | 29°41 | 2°44 | 22°26 | 14°50 | 15°55 | 19° 7 | 19°47 | T 12 |
| W13 | 11 47 47 | 28°54'13 | 2♍ 8 | 1°33 | 12°59 | 21°19 | 13°32 | 13°16 | 29°41 | 2°43 | 22°28 | 14°47 | 15°52 | 19°14 | 19°46 | W13 |
| T 14 | 11 51 44 | 29°53'17 | 14° 5 | 2°22 | 13°44 | 22° 5 | 13°40 | 13°23 | 29°42 | 2°42 | 22°29 | 14°45 | 15°48 | 19°20 | 19°46 | T 14 |
| F 15 | 11 55 40 | 0♈52'20 | 26° 8 | 3°14 | 14°29 | 22°52 | 13°48 | 13°30 | 29°42 | 2°40 | 22°30 | 14°44 | 15°45 | 19°27 | 19°46 | F 15 |
| S 16 | 11 59 37 | 1°51'21 | 8♎20 | 4° 9 | 15°12 | 23°38 | 13°56 | 13°38 | 29°43 | 2°39 | 22°31 | 14°43 | 15°42 | 19°34 | 19°D46 | S 16 |
| S 17 | 12 3 33 | 2°50'19 | 20°41 | 5° 7 | 15°54 | 24°24 | 14° 4 | 13°45 | 29°44 | 2°37 | 22°33 | 14°D43 | 15°39 | 19°40 | 19°46 | S 17 |
| M18 | 12 7 30 | 3°49'16 | 3♏14 | 6° 7 | 16°35 | 25°10 | 14°12 | 13°52 | 29°45 | 2°36 | 22°34 | 14°43 | 15°36 | 19°47 | 19°46 | M18 |
| T 19 | 12 11 26 | 4°48'10 | 16° 0 | 7°11 | 17°15 | 25°57 | 14°20 | 13°59 | 29°46 | 2°35 | 22°35 | 14°44 | 15°33 | 19°54 | 19°47 | T 19 |
| W20 | 12 15 23 | 5°47'03 | 28°59 | 8°17 | 17°54 | 26°43 | 14°29 | 14° 6 | 29°47 | 2°33 | 22°37 | 14°45 | 15°29 | 20° 1 | 19°47 | W20 |
| T 21 | 12 19 20 | 6°45'54 | 12♐14 | 9°25 | 18°32 | 27°29 | 14°37 | 14°13 | 29°48 | 2°32 | 22°38 | 14°46 | 15°26 | 20° 7 | 19°48 | T 21 |
| F 22 | 12 23 16 | 7°44'44 | 25°45 | 10°36 | 19° 8 | 28°15 | 14°46 | 14°20 | 29°49 | 2°31 | 22°39 | 14°46 | 15°23 | 20°14 | 19°48 | F 22 |
| S 23 | 12 27 13 | 8°43'31 | 9♑34 | 11°49 | 19°43 | 29° 1 | 14°55 | 14°27 | 29°50 | 2°29 | 22°41 | 14°R47 | 15°20 | 20°21 | 19°49 | S 23 |
| S 24 | 12 31 9 | 9°42'17 | 23°40 | 13° 4 | 20°17 | 29°47 | 15° 4 | 14°34 | 29°51 | 2°28 | 22°42 | 14°46 | 15°17 | 20°27 | 19°50 | S 24 |
| M25 | 12 35 6 | 10°41'02 | 8♒ 2 | 14°22 | 20°49 | 0♈33 | 15°13 | 14°41 | 29°52 | 2°27 | 22°43 | 14°46 | 15°13 | 20°34 | 19°51 | M25 |
| T 26 | 12 39 2 | 11°39'44 | 22°36 | 15°41 | 21°20 | 1°19 | 15°22 | 14°48 | 29°54 | 2°26 | 22°45 | 14°46 | 15°10 | 20°41 | 19°52 | T 26 |
| W27 | 12 42 59 | 12°38'25 | 7♓18 | 17° 2 | 21°49 | 2° 5 | 15°31 | 14°55 | 29°55 | 2°24 | 22°46 | 14°46 | 15° 7 | 20°47 | 19°53 | W27 |
| T 28 | 12 46 55 | 13°37'03 | 22° 2 | 18°26 | 22°17 | 2°51 | 15°41 | 15° 2 | 29°56 | 2°23 | 22°47 | 14°45 | 15° 4 | 20°54 | 19°54 | T 28 |
| F 29 | 12 50 52 | 14°35'40 | 6♈41 | 19°51 | 22°43 | 3°36 | 15°50 | 15° 9 | 29°58 | 2°22 | 22°49 | 14°45 | 15° 1 | 21° 1 | 19°55 | F 29 |
| S 30 | 12 54 49 | 15°34'15 | 21° 9 | 21°18 | 23° 7 | 4°22 | 16° 0 | 15°16 | 29°59 | 2°21 | 22°50 | 14°45 | 14°58 | 21° 8 | 19°57 | S 30 |
| S 31 | 12 58 45 | 16♈32'48 | 5♉20 | 22♓46 | 23♉30 | 5♈ 8 | 16♊ 9 | 15♓23 | 0♋ 1 | 2♍20 | 22♈52 | 14♈45 | 14♈54 | 21♌14 | 19♋58 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s 9 | 1s59 | 1s29 | 11s 0 | 1n32 | 15n36 | 3n17 | 8s 0 | 0s59 | 22n11 | 0s12 | 8s55 | 1s53 | 23n52 | 0n18 | 11n23 | 1n 0 | 6s32 | 16s24 | 5n54 | 6n31 | 19n43 | 15n20 | 6s48 |
| S 2 | 4 45 | 5n 3 | 0 10 | 11 16 | 1 17 | 16 0 | 3 22 | 7 42 | 0 58 | 22 11 | 0 11 | 8 52 | 1 53 | 23 52 | 0 18 | 11 23 | 1 0 | 6 32 | 16 24 | 5 54 | 6 30 | 19 41 | 15 21 | 6 48 |
| S 3 | 4 22 | 11 39 | 1n 8 | 11 31 | 1 3 | 16 24 | 3 28 | 7 23 | 0 58 | 22 12 | 0 11 | 8 49 | 1 53 | 23 52 | 0 18 | 11 24 | 1 0 | 6 31 | 16 23 | 5 54 | 6 29 | 19 38 | 15 22 | 6 47 |
| M 4 | 3 58 | 17 29 | 2 20 | 11 43 | 0 48 | 16 48 | 3 34 | 7 5 | 0 58 | 22 13 | 0 11 | 8 46 | 1 53 | 23 52 | 0 18 | 11 24 | 1 0 | 6 30 | 16 23 | 5 54 | 6 27 | 19 36 | 15 22 | 6 46 |
| T 5 | 3 35 | 22 16 | 3 21 | 11 53 | 0 34 | 17 11 | 3 39 | 6 47 | 0 57 | 22 14 | 0 11 | 8 43 | 1 53 | 23 52 | 0 18 | 11 25 | 1 0 | 6 30 | 16 23 | 5 55 | 6 26 | 19 33 | 15 23 | 6 46 |
| W 6 | 3 11 | 25 48 | 4 10 | 12 1 | 0 20 | 17 33 | 3 45 | 6 28 | 0 57 | 22 15 | 0 11 | 8 41 | 1 53 | 23 52 | 0 18 | 11 25 | 1 0 | 6 29 | 16 23 | 5 56 | 6 25 | 19 31 | 15 24 | 6 45 |
| T 7 | 2 48 | 27 57 | 4 46 | 12 7 | 0 7 | 17 56 | 3 51 | 6 10 | 0 57 | 22 16 | 0 11 | 8 38 | 1 53 | 23 52 | 0 18 | 11 26 | 1 0 | 6 29 | 16 23 | 5 56 | 6 24 | 19 28 | 15 25 | 6 45 |
| F 8 | 2 24 | 28 39 | 5 7 | 12 10 | 0s 6 | 18 17 | 3 56 | 5 51 | 0 56 | 22 17 | 0 10 | 8 35 | 1 53 | 23 52 | 0 18 | 11 27 | 1 0 | 6 28 | 16 23 | 5 56 | 6 22 | 19 25 | 15 25 | 6 44 |
| S 9 | 2 1 | 27 58 | 5 15 | 12 12 | 0 19 | 18 39 | 4 2 | 5 32 | 0 56 | 22 18 | 0 10 | 8 32 | 1 53 | 23 52 | 0 18 | 11 27 | 1 0 | 6 27 | 16 22 | 5 55 | 6 21 | 19 23 | 15 26 | 6 43 |
| S 10 | 1 37 | 25 59 | 5 8 | 12 11 | 0 31 | 18 59 | 4 7 | 5 14 | 0 56 | 22 19 | 0 10 | 8 29 | 1 53 | 23 52 | 0 18 | 11 28 | 1 0 | 6 27 | 16 22 | 5 54 | 6 20 | 19 20 | 15 27 | 6 43 |
| M11 | 1 14 | 22 53 | 4 49 | 12 9 | 0 42 | 19 20 | 4 12 | 4 55 | 0 55 | 22 20 | 0 10 | 8 27 | 1 53 | 23 52 | 0 18 | 11 28 | 1 0 | 6 26 | 16 22 | 5 53 | 6 19 | 19 18 | 15 27 | 6 42 |
| T 12 | 0 50 | 18 52 | 4 17 | 12 4 | 0 53 | 19 40 | 4 18 | 4 36 | 0 55 | 22 21 | 0 10 | 8 24 | 1 53 | 23 52 | 0 18 | 11 29 | 1 0 | 6 26 | 16 22 | 5 52 | 6 17 | 19 15 | 15 28 | 6 42 |
| W13 | 0 26 | 14 6 | 3 34 | 11 58 | 1 3 | 19 59 | 4 23 | 4 18 | 0 55 | 22 23 | 0 10 | 8 21 | 1 54 | 23 52 | 0 18 | 11 29 | 1 0 | 6 25 | 16 22 | 5 51 | 6 16 | 19 12 | 15 29 | 6 41 |
| T 14 | 0 3 | 8 46 | 2 41 | 11 49 | 1 13 | 20 18 | 4 28 | 3 59 | 0 54 | 22 24 | 0 10 | 8 19 | 1 54 | 23 52 | 0 18 | 11 30 | 1 0 | 6 24 | 16 22 | 5 50 | 6 15 | 19 10 | 15 29 | 6 40 |
| F 15 | 0n21 | 3 5 | 1 41 | 11 39 | 1 22 | 20 36 | 4 33 | 3 40 | 0 54 | 22 25 | 0 9 | 8 16 | 1 54 | 23 52 | 0 18 | 11 30 | 1 0 | 6 24 | 16 21 | 5 50 | 6 14 | 19 7 | 15 30 | 6 40 |
| S 16 | 0 44 | 2s47 | 0 35 | 11 27 | 1 31 | 20 54 | 4 38 | 3 22 | 0 54 | 22 26 | 0 9 | 8 13 | 1 54 | 23 52 | 0 18 | 11 31 | 1 0 | 6 23 | 16 21 | 5 50 | 6 13 | 19 5 | 15 31 | 6 39 |
| S 17 | 1 8 | 8 38 | 0s33 | 11 13 | 1 39 | 21 11 | 4 43 | 3 3 | 0 53 | 22 27 | 0 9 | 8 10 | 1 54 | 23 52 | 0 18 | 11 31 | 1 0 | 6 23 | 16 21 | 5 50 | 6 11 | 19 2 | 15 31 | 6 38 |
| M18 | 1 32 | 14 14 | 1 41 | 10 58 | 1 47 | 21 28 | 4 48 | 2 44 | 0 53 | 22 28 | 0 9 | 8 8 | 1 54 | 23 52 | 0 18 | 11 32 | 1 0 | 6 22 | 16 21 | 5 50 | 6 10 | 18 59 | 15 32 | 6 38 |
| T 19 | 1 55 | 19 20 | 2 45 | 10 41 | 1 54 | 21 44 | 4 52 | 2 25 | 0 52 | 22 29 | 0 9 | 8 5 | 1 54 | 23 52 | 0 18 | 11 32 | 1 0 | 6 21 | 16 21 | 5 50 | 6 9 | 18 57 | 15 32 | 6 37 |
| W20 | 2 19 | 23 38 | 3 41 | 10 22 | 2 0 | 22 0 | 4 57 | 2 6 | 0 52 | 22 30 | 0 9 | 8 2 | 1 54 | 23 52 | 0 18 | 11 33 | 1 0 | 6 21 | 16 21 | 5 51 | 6 8 | 18 54 | 15 33 | 6 37 |
| T 21 | 2 42 | 26 47 | 4 27 | 10 1 | 2 6 | 22 15 | 5 1 | 1 48 | 0 52 | 22 31 | 0 9 | 8 0 | 1 54 | 23 52 | 0 18 | 11 33 | 1 0 | 6 20 | 16 21 | 5 51 | 6 6 | 18 52 | 15 33 | 6 36 |
| F 22 | 3 5 | 28 29 | 5 0 | 9 40 | 2 12 | 22 29 | 5 6 | 1 29 | 0 51 | 22 32 | 0 9 | 7 57 | 1 54 | 23 52 | 0 18 | 11 34 | 1 0 | 6 20 | 16 21 | 5 51 | 6 5 | 18 49 | 15 34 | 6 35 |
| S 23 | 3 29 | 28 27 | 5 16 | 9 16 | 2 17 | 22 43 | 5 10 | 1 10 | 0 51 | 22 34 | 0 8 | 7 54 | 1 55 | 23 52 | 0 18 | 11 34 | 1 0 | 6 19 | 16 20 | 5 51 | 6 4 | 18 46 | 15 35 | 6 35 |
| S 24 | 3 52 | 26 37 | 5 13 | 8 51 | 2 21 | 22 56 | 5 14 | 0 51 | 0 50 | 22 35 | 0 8 | 7 52 | 1 55 | 23 52 | 0 18 | 11 35 | 1 0 | 6 19 | 16 20 | 5 51 | 6 3 | 18 44 | 15 35 | 6 34 |
| M25 | 4 15 | 23 2 | 4 51 | 8 24 | 2 25 | 23 9 | 5 18 | 0 33 | 0 50 | 22 36 | 0 8 | 7 49 | 1 55 | 23 52 | 0 18 | 11 35 | 1 0 | 6 18 | 16 20 | 5 51 | 6 1 | 18 41 | 15 36 | 6 33 |
| T 26 | 4 38 | 18 0 | 4 11 | 7 57 | 2 28 | 23 21 | 5 21 | 0 14 | 0 49 | 22 37 | 0 8 | 7 47 | 1 55 | 23 52 | 0 18 | 11 35 | 1 0 | 6 17 | 16 20 | 5 51 | 6 0 | 18 38 | 15 36 | 6 33 |
| W27 | 5 1 | 11 51 | 3 13 | 7 27 | 2 31 | 23 32 | 5 25 | 0n 5 | 0 49 | 22 38 | 0 8 | 7 44 | 1 55 | 23 52 | 0 18 | 11 36 | 1 0 | 6 17 | 16 20 | 5 51 | 5 59 | 18 36 | 15 37 | 6 32 |
| T 28 | 5 24 | 5 3 | 2 3 | 6 56 | 2 33 | 23 42 | 5 28 | 0 24 | 0 49 | 22 39 | 0 8 | 7 41 | 1 55 | 23 52 | 0 18 | 11 36 | 1 0 | 6 16 | 16 20 | 5 51 | 5 58 | 18 33 | 15 37 | 6 31 |
| F 29 | 5 47 | 1n59 | 0 45 | 6 24 | 2 34 | 23 52 | 5 31 | 0 42 | 0 48 | 22 40 | 0 8 | 7 39 | 1 55 | 23 52 | 0 18 | 11 37 | 1 0 | 6 16 | 16 20 | 5 51 | 5 57 | 18 30 | 15 37 | 6 31 |
| S 30 | 6 10 | 8 50 | 0n35 | 5 51 | 2 35 | 24 1 | 5 34 | 1 1 | 0 48 | 22 42 | 0 7 | 7 36 | 1 55 | 23 52 | 0 18 | 11 37 | 1 0 | 6 15 | 16 20 | 5 51 | 5 55 | 18 28 | 15 38 | 6 30 |
| S 31 | 6n32 | 15n 7 | 1n52 | 5s16 | 2s36 | 24n10 | 5n36 | 1n20 | 0s47 | 22n43 | 0s 7 | 7s34 | 1s56 | 23n52 | 0n18 | 11n37 | 1n 0 | 6s15 | 16s20 | 5n51 | 5n54 | 18n25 | 15n38 | 6s30 |

Julian Day Number = 2127275.5, Delta T = 17m04s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'46, Lahiri = 11°28'47 Julian Calendar 1 March 1112 == Greg. Calendar 8 March 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## APRIL 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 2 42 | 17♈31'19 | 19♉ 9 | 24♓17 | 23♉51 | 5♈53 | 16♊19 | 15♓29 | 0♋ 2 | 2°R19 | 22♈53 | 14°R45 | 14♈51 | 21♌21 | 20♋ 0 | M 1 |
| T 2 | 13 6 38 | 18°29'48 | 2♊36 | 25°49 | 24°10 | 6°39 | 16°29 | 15°36 | 0° 4 | 2♍18 | 22°54 | 14♈45 | 14°48 | 21°28 | 20° 1 | T 2 |
| W 3 | 13 10 35 | 19°28'15 | 15°39 | 27°24 | 24°27 | 7°25 | 16°39 | 15°43 | 0° 6 | 2°17 | 22°56 | 14°44 | 14°45 | 21°34 | 20° 3 | W 3 |
| T 4 | 13 14 31 | 20°26'40 | 28°20 | 29° 0 | 24°42 | 8°10 | 16°49 | 15°49 | 0° 7 | 2°16 | 22°57 | 14°44 | 14°42 | 21°41 | 20° 5 | T 4 |
| F 5 | 13 18 28 | 21°25'03 | 10♋42 | 0♈37 | 24°55 | 8°56 | 17° 0 | 15°56 | 0° 9 | 2°15 | 22°58 | 14°43 | 14°39 | 21°48 | 20° 7 | F 5 |
| S 6 | 13 22 24 | 22°23'23 | 22°50 | 2°17 | 25° 6 | 9°41 | 17°10 | 16° 2 | 0°11 | 2°14 | 23° 0 | 14°D43 | 14°35 | 21°54 | 20° 9 | S 6 |
| S 7 | 13 26 21 | 23°21'41 | 4♌48 | 3°58 | 25°15 | 10°26 | 17°20 | 16° 9 | 0°13 | 2°13 | 23° 1 | 14°43 | 14°32 | 22° 1 | 20°11 | S 7 |
| M 8 | 13 30 18 | 24°19'58 | 16°40 | 5°41 | 25°21 | 11°12 | 17°31 | 16°15 | 0°15 | 2°12 | 23° 3 | 14°44 | 14°29 | 22° 8 | 20°13 | M 8 |
| T 9 | 13 34 14 | 25°18'12 | 28°31 | 7°25 | 25°25 | 11°57 | 17°41 | 16°22 | 0°17 | 2°11 | 23° 4 | 14°45 | 14°26 | 22°15 | 20°16 | T 9 |
| W10 | 13 38 11 | 26°16'24 | 10♍25 | 9°12 | 25°R27 | 12°42 | 17°52 | 16°28 | 0°19 | 2°10 | 23° 5 | 14°46 | 14°23 | 22°21 | 20°18 | W10 |
| T 11 | 13 42 7 | 27°14'34 | 22°26 | 11° 0 | 25°27 | 13°27 | 18° 3 | 16°34 | 0°21 | 2° 9 | 23° 7 | 14°47 | 14°19 | 22°28 | 20°21 | T 11 |
| F 12 | 13 46 4 | 28°12'42 | 4♎38 | 12°50 | 25°24 | 14°12 | 18°14 | 16°41 | 0°23 | 2° 9 | 23° 8 | 14°48 | 14°16 | 22°35 | 20°23 | F 12 |
| S 13 | 13 50 0 | 29°10'48 | 17° 2 | 14°42 | 25°18 | 14°57 | 18°25 | 16°47 | 0°25 | 2° 8 | 23° 9 | 14°R48 | 14°13 | 22°41 | 20°26 | S 13 |
| S 14 | 13 53 57 | 0♉ 8'53 | 29°40 | 16°35 | 25°10 | 15°42 | 18°36 | 16°53 | 0°27 | 2° 7 | 23°11 | 14°47 | 14°10 | 22°48 | 20°29 | S 14 |
| M15 | 13 57 53 | 1° 6'55 | 12♏33 | 18°31 | 25° 0 | 16°27 | 18°47 | 16°59 | 0°29 | 2° 6 | 23°12 | 14°46 | 14° 7 | 22°55 | 20°32 | M15 |
| T 16 | 14 1 50 | 2° 4'57 | 25°41 | 20°28 | 24°47 | 17°12 | 18°58 | 17° 5 | 0°32 | 2° 6 | 23°14 | 14°44 | 14° 4 | 23° 1 | 20°35 | T 16 |
| W17 | 14 5 47 | 3° 2'56 | 9♐ 3 | 22°27 | 24°32 | 17°57 | 19° 9 | 17°11 | 0°34 | 2° 5 | 23°15 | 14°42 | 14° 0 | 23° 8 | 20°38 | W17 |
| T 18 | 14 9 43 | 4° 0'55 | 22°39 | 24°27 | 24°15 | 18°42 | 19°21 | 17°17 | 0°36 | 2° 4 | 23°16 | 14°39 | 13°57 | 23°15 | 20°41 | T 18 |
| F 19 | 14 13 40 | 4°58'52 | 6♑26 | 26°29 | 23°55 | 19°27 | 19°32 | 17°23 | 0°38 | 2° 4 | 23°18 | 14°37 | 13°54 | 23°21 | 20°44 | F 19 |
| S 20 | 14 17 36 | 5°56'47 | 20°23 | 28°33 | 23°33 | 20°11 | 19°44 | 17°29 | 0°41 | 2° 3 | 23°19 | 14°35 | 13°51 | 23°28 | 20°48 | S 20 |
| S 21 | 14 21 33 | 6°54'42 | 4♒29 | 0♉38 | 23° 8 | 20°56 | 19°55 | 17°34 | 0°43 | 2° 3 | 23°20 | 14°D34 | 13°48 | 23°35 | 20°51 | S 21 |
| M22 | 14 25 29 | 7°52'35 | 18°41 | 2°45 | 22°42 | 21°41 | 20° 7 | 17°40 | 0°46 | 2° 2 | 23°22 | 14°35 | 13°45 | 23°42 | 20°55 | M22 |
| T 23 | 14 29 26 | 8°50'26 | 2♓57 | 4°53 | 22°13 | 22°25 | 20°18 | 17°46 | 0°48 | 2° 2 | 23°23 | 14°36 | 13°41 | 23°48 | 20°58 | T 23 |
| W24 | 14 33 22 | 9°48'17 | 17°15 | 7° 2 | 21°43 | 23°10 | 20°30 | 17°51 | 0°51 | 2° 1 | 23°24 | 14°37 | 13°38 | 23°55 | 21° 2 | W24 |
| T 25 | 14 37 19 | 10°46'06 | 1♈32 | 9°12 | 21°11 | 23°54 | 20°42 | 17°57 | 0°53 | 2° 1 | 23°26 | 14°38 | 13°35 | 24° 2 | 21° 6 | T 25 |
| F 26 | 14 41 16 | 11°43'54 | 15°45 | 11°22 | 20°38 | 24°39 | 20°54 | 18° 2 | 0°56 | 2° 1 | 23°27 | 14°R39 | 13°32 | 24° 8 | 21°10 | F 26 |
| S 27 | 14 45 12 | 12°41'40 | 29°49 | 13°33 | 20° 4 | 25°23 | 21° 6 | 18° 7 | 0°59 | 2° 0 | 23°28 | 14°38 | 13°29 | 24°15 | 21°13 | S 27 |
| S 28 | 14 49 9 | 13°39'25 | 13♉41 | 15°45 | 19°28 | 26° 7 | 21°18 | 18°13 | 1° 1 | 2° 0 | 23°30 | 14°36 | 13°25 | 24°22 | 21°17 | S 28 |
| M29 | 14 53 5 | 14°37'09 | 27°17 | 17°56 | 18°51 | 26°52 | 21°30 | 18°18 | 1° 4 | 2° 0 | 23°31 | 14°32 | 13°22 | 24°28 | 21°22 | M29 |
| T 30 | 14 57 2 | 15♉34'52 | 10♊36 | 20♉ 7 | 18♉14 | 27♈36 | 21♊42 | 18♓23 | 1♋ 7 | 2♍ 0 | 23♈32 | 14♈28 | 13♈19 | 24♌35 | 21♋26 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n55 | 20n28 | 2n59 | 4s40 | 2s36 | 24n17 | 5n39 | 1n38 | 0s47 | 22n44 | 0s 7 | 7s31 | 1s56 | 23n52 | 0n18 | 11n38 | 1n 0 | 6s14 | 16s20 | 5n50 | 5n53 | 18n22 | 15n39 | 6s29 |
| T 2 | 7 17 | 24 37 | 3 55 | 4 2 | 2 35 | 24 24 | 5 41 | 1 57 | 0 46 | 22 45 | 0 7 | 7 29 | 1 56 | 23 52 | 0 18 | 11 38 | 1 0 | 6 14 | 16 20 | 5 50 | 5 52 | 18 19 | 15 39 | 6 28 |
| W 3 | 7 39 | 27 22 | 4 37 | 3 24 | 2 34 | 24 30 | 5 42 | 2 15 | 0 46 | 22 46 | 0 7 | 7 26 | 1 56 | 23 52 | 0 18 | 11 39 | 1 0 | 6 13 | 16 20 | 5 50 | 5 50 | 18 17 | 15 39 | 6 28 |
| T 4 | 8 1 | 28 37 | 5 4 | 2 44 | 2 33 | 24 35 | 5 44 | 2 34 | 0 45 | 22 47 | 0 7 | 7 24 | 1 56 | 23 52 | 0 18 | 11 39 | 1 0 | 6 13 | 16 20 | 5 50 | 5 49 | 18 14 | 15 40 | 6 27 |
| F 5 | 8 24 | 28 22 | 5 16 | 2 3 | 2 30 | 24 40 | 5 45 | 2 52 | 0 45 | 22 48 | 0 7 | 7 22 | 1 56 | 23 52 | 0 18 | 11 39 | 1 0 | 6 12 | 16 20 | 5 50 | 5 48 | 18 11 | 15 40 | 6 26 |
| S 6 | 8 45 | 26 46 | 5 14 | 1 21 | 2 28 | 24 43 | 5 46 | 3 11 | 0 44 | 22 49 | 0 7 | 7 19 | 1 56 | 23 52 | 0 18 | 11 40 | 1 0 | 6 12 | 16 20 | 5 50 | 5 47 | 18 9 | 15 40 | 6 26 |
| S 7 | 9 7 | 23 58 | 4 58 | 0 38 | 2 25 | 24 46 | 5 46 | 3 29 | 0 44 | 22 51 | 0 6 | 7 17 | 1 57 | 23 52 | 0 18 | 11 40 | 1 0 | 6 11 | 16 20 | 5 50 | 5 45 | 18 6 | 15 41 | 6 25 |
| M 8 | 9 29 | 20 11 | 4 29 | 0n 7 | 2 21 | 24 47 | 5 46 | 3 47 | 0 43 | 22 52 | 0 6 | 7 14 | 1 57 | 23 52 | 0 18 | 11 40 | 1 0 | 6 11 | 16 20 | 5 50 | 5 44 | 18 3 | 15 41 | 6 25 |
| T 9 | 9 50 | 15 37 | 3 49 | 0 52 | 2 17 | 24 48 | 5 46 | 4 5 | 0 43 | 22 53 | 0 6 | 7 12 | 1 57 | 23 52 | 0 18 | 11 40 | 1 0 | 6 10 | 16 20 | 5 50 | 5 43 | 18 0 | 15 41 | 6 24 |
| W10 | 10 11 | 10 27 | 2 59 | 1 39 | 2 12 | 24 47 | 5 45 | 4 24 | 0 42 | 22 54 | 0 6 | 7 10 | 1 57 | 23 52 | 0 18 | 11 41 | 1 0 | 6 10 | 16 20 | 5 51 | 5 42 | 17 58 | 15 42 | 6 23 |
| T 11 | 10 32 | 4 52 | 2 1 | 2 26 | 2 6 | 24 46 | 5 43 | 4 42 | 0 42 | 22 55 | 0 6 | 7 7 | 1 57 | 23 52 | 0 18 | 11 41 | 1 0 | 6 9 | 16 20 | 5 51 | 5 40 | 17 55 | 15 42 | 6 23 |
| F 12 | 10 53 | 1s 0 | 0 56 | 3 15 | 2 1 | 24 43 | 5 41 | 5 0 | 0 41 | 22 56 | 0 6 | 7 5 | 1 57 | 23 52 | 0 18 | 11 41 | 1 0 | 6 9 | 16 20 | 5 51 | 5 39 | 17 52 | 15 42 | 6 22 |
| S 13 | 11 14 | 6 55 | 0s12 | 4 4 | 1 54 | 24 40 | 5 39 | 5 18 | 0 41 | 22 57 | 0 6 | 7 3 | 1 58 | 23 51 | 0 18 | 11 42 | 1 0 | 6 8 | 16 20 | 5 52 | 5 38 | 17 50 | 15 42 | 6 21 |
| S 14 | 11 35 | 12 40 | 1 21 | 4 54 | 1 47 | 24 35 | 5 36 | 5 36 | 0 40 | 22 58 | 0 6 | 7 1 | 1 58 | 23 51 | 0 18 | 11 42 | 0 59 | 6 8 | 16 20 | 5 51 | 5 37 | 17 47 | 15 43 | 6 21 |
| M15 | 11 55 | 18 1 | 2 27 | 5 45 | 1 40 | 24 29 | 5 33 | 5 53 | 0 40 | 22 59 | 0 6 | 6 58 | 1 58 | 23 51 | 0 18 | 11 42 | 0 59 | 6 7 | 16 20 | 5 51 | 5 36 | 17 44 | 15 43 | 6 20 |
| T 16 | 12 15 | 22 37 | 3 27 | 6 36 | 1 32 | 24 22 | 5 29 | 6 11 | 0 39 | 23 0 | 0 5 | 6 56 | 1 58 | 23 51 | 0 18 | 11 42 | 0 59 | 6 7 | 16 20 | 5 50 | 5 34 | 17 41 | 15 43 | 6 20 |
| W17 | 12 35 | 26 8 | 4 16 | 7 28 | 1 24 | 24 14 | 5 24 | 6 29 | 0 39 | 23 1 | 0 5 | 6 54 | 1 58 | 23 51 | 0 18 | 11 42 | 0 59 | 6 6 | 16 20 | 5 49 | 5 33 | 17 39 | 15 43 | 6 19 |
| T 18 | 12 55 | 28 13 | 4 52 | 8 21 | 1 16 | 24 4 | 5 19 | 6 46 | 0 38 | 23 2 | 0 5 | 6 52 | 1 58 | 23 51 | 0 18 | 11 43 | 0 59 | 6 6 | 16 20 | 5 48 | 5 32 | 17 36 | 15 43 | 6 19 |
| F 19 | 13 15 | 28 35 | 5 12 | 9 14 | 1 7 | 23 54 | 5 13 | 7 4 | 0 38 | 23 3 | 0 5 | 6 50 | 1 59 | 23 51 | 0 18 | 11 43 | 0 59 | 6 5 | 16 20 | 5 47 | 5 31 | 17 33 | 15 43 | 6 18 |
| S 20 | 13 34 | 27 10 | 5 13 | 10 7 | 0 57 | 23 42 | 5 7 | 7 21 | 0 37 | 23 4 | 0 5 | 6 48 | 1 59 | 23 51 | 0 18 | 11 43 | 0 59 | 6 5 | 16 20 | 5 47 | 5 29 | 17 30 | 15 43 | 6 17 |
| S 21 | 13 53 | 24 1 | 4 56 | 11 1 | 0 48 | 23 29 | 5 0 | 7 39 | 0 37 | 23 5 | 0 5 | 6 46 | 1 59 | 23 51 | 0 18 | 11 43 | 0 59 | 6 5 | 16 20 | 5 46 | 5 28 | 17 27 | 15 43 | 6 17 |
| M22 | 14 12 | 19 26 | 4 21 | 11 54 | 0 38 | 23 14 | 4 52 | 7 56 | 0 36 | 23 6 | 0 5 | 6 43 | 1 59 | 23 51 | 0 18 | 11 43 | 0 59 | 6 4 | 16 20 | 5 46 | 5 27 | 17 25 | 15 43 | 6 16 |
| T 23 | 14 31 | 13 43 | 3 29 | 12 47 | 0 27 | 22 59 | 4 44 | 8 13 | 0 35 | 23 7 | 0 5 | 6 41 | 1 59 | 23 51 | 0 18 | 11 44 | 0 59 | 6 4 | 16 20 | 5 47 | 5 26 | 17 22 | 15 43 | 6 16 |
| W24 | 14 49 | 7 17 | 2 25 | 13 40 | 0 17 | 22 42 | 4 35 | 8 30 | 0 35 | 23 8 | 0 4 | 6 39 | 2 0 | 23 51 | 0 18 | 11 44 | 0 59 | 6 3 | 16 20 | 5 47 | 5 24 | 17 19 | 15 43 | 6 15 |
| T 25 | 15 8 | 0 29 | 1 11 | 14 32 | 0 6 | 22 24 | 4 25 | 8 47 | 0 34 | 23 9 | 0 4 | 6 37 | 2 0 | 23 51 | 0 18 | 11 44 | 0 59 | 6 3 | 16 20 | 5 48 | 5 23 | 17 16 | 15 43 | 6 14 |
| F 26 | 15 26 | 6n19 | 0n 6 | 15 23 | 0n 4 | 22 6 | 4 15 | 9 4 | 0 34 | 23 10 | 0 4 | 6 35 | 2 0 | 23 51 | 0 18 | 11 44 | 0 59 | 6 3 | 16 20 | 5 48 | 5 22 | 17 13 | 15 43 | 6 14 |
| S 27 | 15 43 | 12 45 | 1 22 | 16 13 | 0 15 | 21 46 | 4 4 | 9 21 | 0 33 | 23 11 | 0 4 | 6 34 | 2 0 | 23 51 | 0 18 | 11 44 | 0 59 | 6 2 | 16 20 | 5 48 | 5 21 | 17 11 | 15 43 | 6 13 |
| S 28 | 16 1 | 18 27 | 2 32 | 17 2 | 0 25 | 21 25 | 3 53 | 9 38 | 0 33 | 23 12 | 0 4 | 6 32 | 2 0 | 23 51 | 0 18 | 11 44 | 0 59 | 6 2 | 16 21 | 5 47 | 5 19 | 17 8 | 15 43 | 6 13 |
| M29 | 16 18 | 23 6 | 3 32 | 17 50 | 0 35 | 21 3 | 3 41 | 9 54 | 0 32 | 23 13 | 0 4 | 6 30 | 2 1 | 23 51 | 0 18 | 11 44 | 0 59 | 6 1 | 16 21 | 5 45 | 5 18 | 17 5 | 15 43 | 6 12 |
| T 30 | 16n35 | 26n25 | 4n19 | 18n35 | 0n46 | 20n41 | 3n29 | 10n11 | 0s31 | 23n14 | 0s 4 | 6s28 | 2s 1 | 23n51 | 0n18 | 11n44 | 0n59 | 6s 1 | 16s21 | 5n44 | 5n17 | 17n 2 | 15n43 | 6s12 |

Julian Day Number = 2127306.5, Delta T = 17m04s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'51, Lahiri = 11°28'51 Julian Calendar 1 Apr. 1112 == Greg. Calendar 8 Apr. 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## MAY 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 0 58 | 16♉32'33 | 23♊35 | 22♉17 | 17°R37 | 28♈20 | 21♊55 | 18♓28 | 1♋10 | 1°R59 | 23♈34 | 14°R23 | 13♈16 | 24♌42 | 21♋30 | W 1 |
| T 2 | 15 4 55 | 17°30'13 | 6♋15 | 24°26 | 16♉59 | 29° 4 | 22° 7 | 18°33 | 1°13 | 1♍59 | 23°35 | 14♈17 | 13°13 | 24°48 | 21°34 | T 2 |
| F 3 | 15 8 51 | 18°27'51 | 18°38 | 26°34 | 16°21 | 29°48 | 22°19 | 18°38 | 1°15 | 1°59 | 23°36 | 14°13 | 13°10 | 24°55 | 21°39 | F 3 |
| S 4 | 15 12 48 | 19°25'28 | 0♌47 | 28°41 | 15°44 | 0♉32 | 22°32 | 18°43 | 1°18 | 1°59 | 23°37 | 14°10 | 13° 6 | 25° 2 | 21°43 | S 4 |
| S 5 | 15 16 45 | 20°23'03 | 12°45 | 0♊46 | 15° 7 | 1°16 | 22°44 | 18°48 | 1°21 | 1°59 | 23°39 | 14° 8 | 13° 3 | 25° 9 | 21°48 | S 5 |
| M 6 | 15 20 41 | 21°20'36 | 24°37 | 2°49 | 14°31 | 2° 0 | 22°56 | 18°53 | 1°24 | 1°59 | 23°40 | 14°D 8 | 13° 0 | 25°15 | 21°52 | M 6 |
| T 7 | 15 24 38 | 22°18'08 | 6♍29 | 4°51 | 13°56 | 2°44 | 23° 9 | 18°57 | 1°27 | 1°D59 | 23°41 | 14° 9 | 12°57 | 25°22 | 21°57 | T 7 |
| W 8 | 15 28 34 | 23°15'39 | 18°24 | 6°50 | 13°22 | 3°27 | 23°22 | 19° 2 | 1°30 | 1°59 | 23°42 | 14°10 | 12°54 | 25°29 | 22° 2 | W 8 |
| T 9 | 15 32 31 | 24°13'08 | 0♎28 | 8°46 | 12°50 | 4°11 | 23°34 | 19° 6 | 1°33 | 1°59 | 23°44 | 14°12 | 12°51 | 25°35 | 22° 7 | T 9 |
| F 10 | 15 36 27 | 25°10'36 | 12°45 | 10°41 | 12°19 | 4°55 | 23°47 | 19°11 | 1°36 | 1°59 | 23°45 | 14°R13 | 12°47 | 25°42 | 22°11 | F 10 |
| S 11 | 15 40 24 | 26° 8'03 | 25°18 | 12°32 | 11°50 | 5°38 | 24° 0 | 19°15 | 1°39 | 1°59 | 23°46 | 14°12 | 12°44 | 25°49 | 22°16 | S 11 |
| S 12 | 15 44 20 | 27° 5'28 | 8♏11 | 14°21 | 11°23 | 6°22 | 24°12 | 19°20 | 1°43 | 1°59 | 23°47 | 14°10 | 12°41 | 25°55 | 22°21 | S 12 |
| M13 | 15 48 17 | 28° 2'53 | 21°23 | 16° 8 | 10°58 | 7° 5 | 24°25 | 19°24 | 1°46 | 2° 0 | 23°48 | 14° 5 | 12°38 | 26° 2 | 22°27 | M13 |
| T 14 | 15 52 14 | 29° 0'17 | 4♐55 | 17°52 | 10°35 | 7°49 | 24°38 | 19°28 | 1°49 | 2° 0 | 23°49 | 13°59 | 12°35 | 26° 9 | 22°32 | T 14 |
| W15 | 15 56 10 | 29°57'39 | 18°44 | 19°33 | 10°14 | 8°32 | 24°51 | 19°32 | 1°52 | 2° 0 | 23°51 | 13°52 | 12°31 | 26°15 | 22°37 | W15 |
| T 16 | 16 0 7 | 0♊55'01 | 2♑46 | 21°11 | 9°56 | 9°15 | 25° 4 | 19°36 | 1°55 | 2° 0 | 23°52 | 13°45 | 12°28 | 26°22 | 22°42 | T 16 |
| F 17 | 16 4 3 | 1°52'22 | 16°57 | 22°46 | 9°40 | 9°58 | 25°17 | 19°40 | 1°58 | 2° 1 | 23°53 | 13°38 | 12°25 | 26°29 | 22°48 | F 17 |
| S 18 | 16 8 0 | 2°49'43 | 1♒13 | 24°19 | 9°26 | 10°42 | 25°30 | 19°44 | 2° 2 | 2° 1 | 23°54 | 13°33 | 12°22 | 26°35 | 22°53 | S 18 |
| S 19 | 16 11 56 | 3°47'03 | 15°30 | 25°49 | 9°15 | 11°25 | 25°43 | 19°47 | 2° 5 | 2° 1 | 23°55 | 13°29 | 12°19 | 26°42 | 22°58 | S 19 |
| M20 | 16 15 53 | 4°44'22 | 29°43 | 27°16 | 9° 7 | 12° 8 | 25°56 | 19°51 | 2° 8 | 2° 2 | 23°56 | 13°D28 | 12°16 | 26°49 | 23° 4 | M20 |
| T 21 | 16 19 49 | 5°41'41 | 13♓52 | 28°40 | 9° 0 | 12°51 | 26° 9 | 19°54 | 2°12 | 2° 2 | 23°57 | 13°28 | 12°12 | 26°55 | 23°10 | T 21 |
| W22 | 16 23 46 | 6°38'59 | 27°55 | 0♋ 1 | 8°56 | 13°34 | 26°22 | 19°58 | 2°15 | 2° 3 | 23°58 | 13°29 | 12° 9 | 27° 2 | 23°15 | W22 |
| T 23 | 16 27 43 | 7°36'17 | 11♈50 | 1°19 | 8°D55 | 14°17 | 26°35 | 20° 1 | 2°18 | 2° 3 | 23°59 | 13°R30 | 12° 6 | 27° 9 | 23°21 | T 23 |
| F 24 | 16 31 39 | 8°33'35 | 25°38 | 2°34 | 8°56 | 15° 0 | 26°48 | 20° 5 | 2°22 | 2° 4 | 24° 0 | 13°29 | 12° 3 | 27°16 | 23°27 | F 24 |
| S 25 | 16 35 36 | 9°30'52 | 9♉16 | 3°46 | 8°59 | 15°42 | 27° 2 | 20° 8 | 2°25 | 2° 4 | 24° 2 | 13°26 | 12° 0 | 27°22 | 23°33 | S 25 |
| S 26 | 16 39 32 | 10°28'08 | 22°44 | 4°55 | 9° 4 | 16°25 | 27°15 | 20°11 | 2°29 | 2° 5 | 24° 3 | 13°21 | 11°57 | 27°29 | 23°38 | S 26 |
| M27 | 16 43 29 | 11°25'25 | 6♊ 0 | 6° 1 | 9°11 | 17° 8 | 27°28 | 20°14 | 2°32 | 2° 6 | 24° 4 | 13°14 | 11°53 | 27°36 | 23°44 | M27 |
| T 28 | 16 47 25 | 12°22'40 | 19° 2 | 7° 4 | 9°21 | 17°50 | 27°41 | 20°17 | 2°35 | 2° 6 | 24° 5 | 13° 4 | 11°50 | 27°42 | 23°50 | T 28 |
| W29 | 16 51 22 | 13°19'56 | 1♋49 | 8° 3 | 9°33 | 18°33 | 27°55 | 20°20 | 2°39 | 2° 7 | 24° 5 | 12°54 | 11°47 | 27°49 | 23°56 | W29 |
| T 30 | 16 55 19 | 14°17'10 | 14°22 | 8°59 | 9°47 | 19°15 | 28° 8 | 20°22 | 2°42 | 2° 8 | 24° 6 | 12°43 | 11°44 | 27°56 | 24° 2 | T 30 |
| F 31 | 16 59 15 | 15♊14'24 | 26♋40 | 9♋51 | 10♉ 2 | 19♉58 | 28♊21 | 20♓25 | 2♋46 | 2♍ 8 | 24♈ 7 | 12♈34 | 11♈41 | 28♌ 2 | 24♋ 9 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n52 | 28n15 | 4n52 | 19n19 | 0n55 | 20n18 | 3n16 | 10n27 | 0s31 | 23n15 | 0s 4 | 6s26 | 2s 1 | 23n51 | 0n18 | 11n44 | 0n59 | 6s 1 | 16s21 | 5n42 | 5n16 | 16n59 | 15n43 | 6s11 |
| T 2 | 17 8 | 28 33 | 5 9 | 20 1 | 1 5 | 19 55 | 3 3 | 10 43 | 0 30 | 23 16 | 0 4 | 6 24 | 2 1 | 23 51 | 0 18 | 11 44 | 0 59 | 6 0 | 16 21 | 5 40 | 5 14 | 16 57 | 15 43 | 6 11 |
| F 3 | 17 24 | 27 23 | 5 11 | 20 41 | 1 14 | 19 31 | 2 50 | 11 0 | 0 30 | 23 16 | 0 4 | 6 23 | 2 1 | 23 51 | 0 18 | 11 44 | 0 59 | 6 0 | 16 21 | 5 38 | 5 13 | 16 54 | 15 43 | 6 10 |
| S 4 | 17 40 | 24 56 | 4 59 | 21 18 | 1 22 | 19 7 | 2 36 | 11 16 | 0 29 | 23 17 | 0 3 | 6 21 | 2 2 | 23 51 | 0 18 | 11 44 | 0 59 | 6 0 | 16 21 | 5 37 | 5 12 | 16 51 | 15 43 | 6 10 |
| S 5 | 17 56 | 21 26 | 4 34 | 21 53 | 1 30 | 18 43 | 2 22 | 11 32 | 0 28 | 23 18 | 0 3 | 6 19 | 2 2 | 23 51 | 0 18 | 11 44 | 0 59 | 5 59 | 16 21 | 5 36 | 5 11 | 16 48 | 15 42 | 6 9 |
| M 6 | 18 11 | 17 6 | 3 57 | 22 25 | 1 37 | 18 19 | 2 8 | 11 47 | 0 28 | 23 19 | 0 3 | 6 17 | 2 2 | 23 51 | 0 18 | 11 44 | 0 59 | 5 59 | 16 21 | 5 36 | 5 10 | 16 45 | 15 42 | 6 9 |
| T 7 | 18 26 | 12 8 | 3 11 | 22 55 | 1 44 | 17 54 | 1 54 | 12 3 | 0 27 | 23 20 | 0 3 | 6 16 | 2 2 | 23 51 | 0 18 | 11 44 | 0 59 | 5 59 | 16 22 | 5 36 | 5 8 | 16 42 | 15 42 | 6 8 |
| W 8 | 18 41 | 6 41 | 2 16 | 23 22 | 1 50 | 17 31 | 1 40 | 12 19 | 0 27 | 23 20 | 0 3 | 6 14 | 2 3 | 23 51 | 0 18 | 11 44 | 0 59 | 5 58 | 16 22 | 5 37 | 5 7 | 16 39 | 15 42 | 6 8 |
| T 9 | 18 55 | 0 57 | 1 14 | 23 46 | 1 55 | 17 7 | 1 25 | 12 34 | 0 26 | 23 21 | 0 3 | 6 13 | 2 3 | 23 51 | 0 18 | 11 44 | 0 59 | 5 58 | 16 22 | 5 38 | 5 6 | 16 37 | 15 41 | 6 7 |
| F 10 | 19 9 | 4s56 | 0 8 | 24 8 | 2 0 | 16 44 | 1 11 | 12 49 | 0 25 | 23 22 | 0 3 | 6 11 | 2 3 | 23 51 | 0 18 | 11 44 | 0 59 | 5 58 | 16 22 | 5 38 | 5 5 | 16 34 | 15 41 | 6 7 |
| S 11 | 19 23 | 10 46 | 1s 0 | 24 27 | 2 4 | 16 22 | 0 57 | 13 4 | 0 25 | 23 23 | 0 3 | 6 10 | 2 3 | 23 51 | 0 18 | 11 44 | 0 59 | 5 58 | 16 22 | 5 38 | 5 3 | 16 31 | 15 41 | 6 6 |
| S 12 | 19 36 | 16 17 | 2 6 | 24 44 | 2 7 | 16 0 | 0 43 | 13 19 | 0 24 | 23 23 | 0 3 | 6 8 | 2 3 | 23 51 | 0 18 | 11 44 | 0 59 | 5 57 | 16 22 | 5 37 | 5 2 | 16 28 | 15 41 | 6 6 |
| M13 | 19 49 | 21 12 | 3 7 | 24 58 | 2 9 | 15 39 | 0 29 | 13 34 | 0 24 | 23 24 | 0 2 | 6 7 | 2 4 | 23 51 | 0 18 | 11 44 | 0 59 | 5 57 | 16 23 | 5 35 | 5 1 | 16 25 | 15 40 | 6 5 |
| T 14 | 20 2 | 25 8 | 3 59 | 25 10 | 2 11 | 15 19 | 0 16 | 13 49 | 0 23 | 23 24 | 0 2 | 6 5 | 2 4 | 23 51 | 0 18 | 11 44 | 0 59 | 5 57 | 16 23 | 5 33 | 5 0 | 16 22 | 15 40 | 6 5 |
| W15 | 20 14 | 27 42 | 4 39 | 25 19 | 2 11 | 15 0 | 0 3 | 14 4 | 0 22 | 23 25 | 0 2 | 6 4 | 2 4 | 23 51 | 0 18 | 11 44 | 0 59 | 5 57 | 16 23 | 5 30 | 4 58 | 16 19 | 15 39 | 6 4 |
| T 16 | 20 27 | 28 33 | 5 2 | 25 27 | 2 11 | 14 42 | 0s10 | 14 18 | 0 22 | 23 26 | 0 2 | 6 3 | 2 4 | 23 51 | 0 18 | 11 44 | 0 59 | 5 56 | 16 23 | 5 27 | 4 57 | 16 16 | 15 39 | 6 4 |
| F 17 | 20 38 | 27 33 | 5 7 | 25 32 | 2 10 | 14 25 | 0 23 | 14 33 | 0 21 | 23 26 | 0 2 | 6 1 | 2 5 | 23 51 | 0 18 | 11 43 | 0 59 | 5 56 | 16 23 | 5 24 | 4 56 | 16 14 | 15 39 | 6 3 |
| S 18 | 20 50 | 24 45 | 4 53 | 25 35 | 2 9 | 14 10 | 0 35 | 14 47 | 0 21 | 23 27 | 0 2 | 6 0 | 2 5 | 23 50 | 0 18 | 11 43 | 0 59 | 5 56 | 16 23 | 5 22 | 4 55 | 16 11 | 15 38 | 6 3 |
| S 19 | 21 1 | 20 25 | 4 21 | 25 36 | 2 7 | 13 55 | 0 47 | 15 1 | 0 20 | 23 27 | 0 2 | 5 59 | 2 5 | 23 50 | 0 18 | 11 43 | 0 59 | 5 56 | 16 24 | 5 21 | 4 53 | 16 8 | 15 38 | 6 3 |
| M20 | 21 11 | 14 57 | 3 33 | 25 35 | 2 4 | 13 41 | 0 58 | 15 15 | 0 19 | 23 28 | 0 2 | 5 58 | 2 5 | 23 50 | 0 18 | 11 43 | 0 59 | 5 55 | 16 24 | 5 20 | 4 52 | 16 5 | 15 37 | 6 2 |
| T 21 | 21 22 | 8 43 | 2 32 | 25 33 | 2 0 | 13 29 | 1 9 | 15 29 | 0 19 | 23 28 | 0 2 | 5 56 | 2 6 | 23 50 | 0 18 | 11 43 | 0 59 | 5 55 | 16 24 | 5 20 | 4 51 | 16 2 | 15 37 | 6 2 |
| W22 | 21 32 | 2 6 | 1 23 | 25 29 | 1 55 | 13 17 | 1 20 | 15 42 | 0 18 | 23 29 | 0 2 | 5 55 | 2 6 | 23 50 | 0 18 | 11 43 | 0 59 | 5 55 | 16 24 | 5 21 | 4 50 | 15 59 | 15 36 | 6 1 |
| T 23 | 21 41 | 4n34 | 0 9 | 25 23 | 1 50 | 13 7 | 1 30 | 15 56 | 0 17 | 23 29 | 0 1 | 5 54 | 2 6 | 23 50 | 0 18 | 11 42 | 0 59 | 5 55 | 16 24 | 5 21 | 4 48 | 15 56 | 15 36 | 6 1 |
| F 24 | 21 50 | 10 57 | 1n 5 | 25 16 | 1 44 | 12 58 | 1 40 | 16 9 | 0 17 | 23 30 | 0 1 | 5 53 | 2 6 | 23 50 | 0 18 | 11 42 | 0 59 | 5 55 | 16 25 | 5 21 | 4 47 | 15 53 | 15 35 | 6 1 |
| S 25 | 21 59 | 16 46 | 2 14 | 25 7 | 1 37 | 12 50 | 1 49 | 16 22 | 0 16 | 23 30 | 0 1 | 5 52 | 2 7 | 23 50 | 0 18 | 11 42 | 0 59 | 5 55 | 16 25 | 5 20 | 4 46 | 15 50 | 15 35 | 6 0 |
| S 26 | 22 8 | 21 40 | 3 14 | 24 57 | 1 30 | 12 44 | 1 58 | 16 35 | 0 15 | 23 31 | 0 1 | 5 51 | 2 7 | 23 50 | 0 18 | 11 42 | 0 59 | 5 54 | 16 25 | 5 18 | 4 45 | 15 47 | 15 34 | 6 0 |
| M27 | 22 16 | 25 24 | 4 3 | 24 47 | 1 22 | 12 38 | 2 6 | 16 48 | 0 15 | 23 31 | 0 1 | 5 50 | 2 7 | 23 50 | 0 18 | 11 41 | 0 59 | 5 54 | 16 25 | 5 15 | 4 43 | 15 44 | 15 33 | 5 59 |
| T 28 | 22 23 | 27 43 | 4 38 | 24 35 | 1 13 | 12 33 | 2 14 | 17 0 | 0 14 | 23 31 | 0 1 | 5 49 | 2 7 | 23 50 | 0 18 | 11 41 | 0 59 | 5 54 | 16 26 | 5 11 | 4 42 | 15 42 | 15 33 | 5 59 |
| W29 | 22 31 | 28 31 | 4 58 | 24 22 | 1 3 | 12 30 | 2 22 | 17 13 | 0 13 | 23 32 | 0 1 | 5 48 | 2 8 | 23 50 | 0 18 | 11 41 | 0 59 | 5 54 | 16 26 | 5 7 | 4 41 | 15 39 | 15 32 | 5 59 |
| T 30 | 22 38 | 27 48 | 5 3 | 24 8 | 0 53 | 12 27 | 2 29 | 17 25 | 0 13 | 23 32 | 0 1 | 5 47 | 2 8 | 23 50 | 0 18 | 11 41 | 0 58 | 5 54 | 16 26 | 5 3 | 4 40 | 15 36 | 15 31 | 5 58 |
| F 31 | 22n44 | 25n44 | 4n55 | 23n54 | 0n42 | 12n25 | 2s36 | 17n37 | 0s12 | 23n32 | 0s 1 | 5s47 | 2s 8 | 23n50 | 0n18 | 11n40 | 0n58 | 5s54 | 16s26 | 4n59 | 4n38 | 15n33 | 15n31 | 5s58 |

Julian Day Number = 2127336.5, Delta T = 17m04s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'55, Lahiri = 11°28'55 Julian Calendar 1 May 1112 == Greg. Calendar 8 May 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## JUNE 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 3 12 | 16♊11'38 | 8♌46 | 10♋39 | 10♉20 | 20♉40 | 28♊35 | 20♓27 | 2♋49 | 2♍ 9 | 24♈ 8 | 12°R26 | 11♈37 | 28♌ 9 | 24♋15 | S 1 |
| S 2 | 17 7 8 | 17° 8'50 | 20°42 | 11°24 | 10°39 | 21°23 | 28°48 | 20°30 | 2°53 | 2°10 | 24° 9 | 12♈20 | 11°34 | 28°16 | 24°21 | S 2 |
| M 3 | 17 11 5 | 18° 6'03 | 2♍33 | 12° 5 | 11° 1 | 22° 5 | 29° 2 | 20°32 | 2°57 | 2°11 | 24°10 | 12°17 | 11°31 | 28°22 | 24°27 | M 3 |
| T 4 | 17 15 1 | 19° 3'14 | 14°23 | 12°42 | 11°24 | 22°47 | 29°15 | 20°35 | 3° 0 | 2°12 | 24°11 | 12°D16 | 11°28 | 28°29 | 24°34 | T 4 |
| W 5 | 17 18 58 | 20° 0'25 | 26°17 | 13°15 | 11°48 | 23°29 | 29°28 | 20°37 | 3° 4 | 2°13 | 24°12 | 12°16 | 11°25 | 28°36 | 24°40 | W 5 |
| T 6 | 17 22 54 | 20°57'35 | 8♎21 | 13°44 | 12°14 | 24°11 | 29°42 | 20°39 | 3° 7 | 2°14 | 24°13 | 12°R16 | 11°22 | 28°42 | 24°46 | T 6 |
| F 7 | 17 26 51 | 21°54'45 | 20°40 | 14° 9 | 12°42 | 24°53 | 29°55 | 20°41 | 3°11 | 2°15 | 24°13 | 12°16 | 11°18 | 28°49 | 24°53 | F 7 |
| S 8 | 17 30 48 | 22°51'55 | 3♏18 | 14°29 | 13°11 | 25°35 | 0♋ 9 | 20°43 | 3°14 | 2°16 | 24°14 | 12°14 | 11°15 | 28°56 | 24°59 | S 8 |
| S 9 | 17 34 44 | 23°49'04 | 16°19 | 14°45 | 13°42 | 26°17 | 0°22 | 20°44 | 3°18 | 2°17 | 24°15 | 12°10 | 11°12 | 29° 2 | 25° 6 | S 9 |
| M10 | 17 38 41 | 24°46'13 | 29°44 | 14°56 | 14°14 | 26°59 | 0°36 | 20°46 | 3°22 | 2°18 | 24°16 | 12° 3 | 11° 9 | 29° 9 | 25°12 | M10 |
| T 11 | 17 42 37 | 25°43'22 | 13♐34 | 15° 2 | 14°48 | 27°41 | 0°49 | 20°48 | 3°25 | 2°19 | 24°17 | 11°55 | 11° 6 | 29°16 | 25°19 | T 11 |
| W12 | 17 46 34 | 26°40'30 | 27°46 | 15°R 4 | 15°22 | 28°23 | 1° 3 | 20°49 | 3°29 | 2°20 | 24°17 | 11°44 | 11° 3 | 29°23 | 25°26 | W12 |
| T 13 | 17 50 30 | 27°37'39 | 12♑14 | 15° 1 | 15°58 | 29° 4 | 1°16 | 20°51 | 3°32 | 2°21 | 24°18 | 11°33 | 10°59 | 29°29 | 25°32 | T 13 |
| F 14 | 17 54 27 | 28°34'48 | 26°52 | 14°54 | 16°36 | 29°46 | 1°30 | 20°52 | 3°36 | 2°22 | 24°19 | 11°23 | 10°56 | 29°36 | 25°39 | F 14 |
| S 15 | 17 58 23 | 29°31'57 | 11♒32 | 14°42 | 17°14 | 0♊28 | 1°43 | 20°53 | 3°40 | 2°23 | 24°19 | 11°15 | 10°53 | 29°43 | 25°46 | S 15 |
| S 16 | 18 2 20 | 0♋29'06 | 26° 8 | 14°26 | 17°53 | 1° 9 | 1°57 | 20°54 | 3°43 | 2°25 | 24°20 | 11° 9 | 10°50 | 29°49 | 25°53 | S 16 |
| M17 | 18 6 17 | 1°26'15 | 10♓33 | 14° 5 | 18°34 | 1°51 | 2°10 | 20°55 | 3°47 | 2°26 | 24°21 | 11° 6 | 10°47 | 29°56 | 25°59 | M17 |
| T 18 | 18 10 13 | 2°23'25 | 24°46 | 13°41 | 19°15 | 2°32 | 2°24 | 20°56 | 3°51 | 2°27 | 24°21 | 11° 5 | 10°43 | 0♍ 3 | 26° 6 | T 18 |
| W19 | 18 14 10 | 3°20'35 | 8♈44 | 13°13 | 19°58 | 3°13 | 2°37 | 20°57 | 3°54 | 2°29 | 24°22 | 11° 5 | 10°40 | 0° 9 | 26°13 | W19 |
| T 20 | 18 18 6 | 4°17'46 | 22°28 | 12°41 | 20°41 | 3°55 | 2°51 | 20°57 | 3°58 | 2°30 | 24°23 | 11° 5 | 10°37 | 0°16 | 26°20 | T 20 |
| F 21 | 18 22 3 | 5°14'57 | 5♉58 | 12° 7 | 21°26 | 4°36 | 3° 4 | 20°58 | 4° 1 | 2°31 | 24°23 | 11° 3 | 10°34 | 0°23 | 26°27 | F 21 |
| S 22 | 18 25 59 | 6°12'09 | 19°16 | 11°31 | 22°11 | 5°17 | 3°18 | 20°58 | 4° 5 | 2°33 | 24°24 | 10°59 | 10°31 | 0°29 | 26°34 | S 22 |
| S 23 | 18 29 56 | 7° 9'21 | 2♊23 | 10°53 | 22°57 | 5°58 | 3°31 | 20°59 | 4° 9 | 2°34 | 24°24 | 10°52 | 10°28 | 0°36 | 26°41 | S 23 |
| M24 | 18 33 52 | 8° 6'34 | 15°17 | 10°14 | 23°44 | 6°39 | 3°45 | 20°59 | 4°12 | 2°35 | 24°25 | 10°43 | 10°24 | 0°43 | 26°48 | M24 |
| T 25 | 18 37 49 | 9° 3'48 | 28° 0 | 9°34 | 24°32 | 7°20 | 3°58 | 20°59 | 4°16 | 2°37 | 24°25 | 10°31 | 10°21 | 0°49 | 26°55 | T 25 |
| W26 | 18 41 46 | 10° 1'02 | 10♋32 | 8°55 | 25°20 | 8° 1 | 4°12 | 20°R59 | 4°20 | 2°38 | 24°26 | 10°18 | 10°18 | 0°56 | 27° 2 | W26 |
| T 27 | 18 45 42 | 10°58'16 | 22°52 | 8°17 | 26° 9 | 8°42 | 4°25 | 20°59 | 4°23 | 2°40 | 24°26 | 10° 4 | 10°15 | 1° 3 | 27° 9 | T 27 |
| F 28 | 18 49 39 | 11°55'30 | 5♌ 2 | 7°40 | 26°59 | 9°23 | 4°39 | 20°59 | 4°27 | 2°41 | 24°27 | 9°52 | 10°12 | 1° 9 | 27°16 | F 28 |
| S 29 | 18 53 35 | 12°52'45 | 17° 2 | 7° 6 | 27°50 | 10° 4 | 4°52 | 20°59 | 4°30 | 2°43 | 24°27 | 9°41 | 10° 9 | 1°16 | 27°24 | S 29 |
| S 30 | 18 57 32 | 13♋50'01 | 28♌55 | 6♋34 | 28♉41 | 10♊44 | 5♋ 6 | 20♓59 | 4♋34 | 2♍45 | 24♈27 | 9♈34 | 10♈ 5 | 1♍23 | 27♋31 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n50 | 22n32 | 4n33 | 23n38 | 0n31 | 12n25 | 2s43 | 17n49 | 0s11 | 23n32 | 0s 1 | 5s46 | 2s 8 | 23n50 | 0n18 | 11n40 | 0n58 | 5s54 | 16s27 | 4n56 | 4n37 | 15n30 | 15n30 | 5s58 |
| S 2 | 22 56 | 18 26 | 3 59 | 23 23 | 0 19 | 12 25 | 2 49 | 18 1 | 0 11 | 23 33 | 0 0 | 5 45 | 2 9 | 23 50 | 0 18 | 11 40 | 0 58 | 5 54 | 16 27 | 4 54 | 4 36 | 15 27 | 15 29 | 5 57 |
| M 3 | 23 1 | 13 39 | 3 15 | 23 7 | 0 6 | 12 26 | 2 55 | 18 13 | 0 10 | 23 33 | 0 0 | 5 45 | 2 9 | 23 50 | 0 18 | 11 39 | 0 58 | 5 54 | 16 27 | 4 53 | 4 35 | 15 24 | 15 29 | 5 57 |
| T 4 | 23 6 | 8 22 | 2 23 | 22 50 | 0s 7 | 12 28 | 3 0 | 18 24 | 0 9 | 23 33 | 0 0 | 5 44 | 2 9 | 23 49 | 0 18 | 11 39 | 0 58 | 5 53 | 16 27 | 4 52 | 4 33 | 15 21 | 15 28 | 5 57 |
| W 5 | 23 11 | 2 46 | 1 24 | 22 33 | 0 20 | 12 30 | 3 6 | 18 36 | 0 9 | 23 33 | 0 0 | 5 43 | 2 10 | 23 49 | 0 18 | 11 39 | 0 58 | 5 53 | 16 28 | 4 52 | 4 32 | 15 18 | 15 27 | 5 56 |
| T 6 | 23 15 | 3s 1 | 0 21 | 22 16 | 0 34 | 12 34 | 3 10 | 18 47 | 0 8 | 23 33 | 0 0 | 5 43 | 2 10 | 23 49 | 0 18 | 11 38 | 0 58 | 5 53 | 16 28 | 4 52 | 4 31 | 15 15 | 15 26 | 5 56 |
| F 7 | 23 19 | 8 48 | 0s45 | 21 59 | 0 49 | 12 38 | 3 15 | 18 58 | 0 7 | 23 33 | 0n 0 | 5 42 | 2 10 | 23 49 | 0 18 | 11 38 | 0 58 | 5 53 | 16 28 | 4 52 | 4 30 | 15 12 | 15 25 | 5 56 |
| S 8 | 23 22 | 14 23 | 1 49 | 21 42 | 1 4 | 12 43 | 3 19 | 19 9 | 0 7 | 23 34 | 0 0 | 5 42 | 2 10 | 23 49 | 0 18 | 11 38 | 0 58 | 5 53 | 16 28 | 4 51 | 4 28 | 15 9 | 15 25 | 5 55 |
| S 9 | 23 25 | 19 31 | 2 50 | 21 26 | 1 19 | 12 48 | 3 23 | 19 19 | 0 6 | 23 34 | 0 0 | 5 41 | 2 11 | 23 49 | 0 18 | 11 37 | 0 58 | 5 53 | 16 29 | 4 50 | 4 27 | 15 6 | 15 24 | 5 55 |
| M10 | 23 27 | 23 50 | 3 44 | 21 9 | 1 35 | 12 54 | 3 26 | 19 30 | 0 5 | 23 34 | 0 0 | 5 41 | 2 11 | 23 49 | 0 18 | 11 37 | 0 58 | 5 53 | 16 29 | 4 47 | 4 26 | 15 3 | 15 23 | 5 55 |
| T 11 | 23 29 | 26 56 | 4 26 | 20 53 | 1 50 | 13 1 | 3 30 | 19 40 | 0 5 | 23 34 | 0 0 | 5 40 | 2 11 | 23 49 | 0 18 | 11 36 | 0 58 | 5 53 | 16 29 | 4 44 | 4 25 | 15 0 | 15 22 | 5 55 |
| W12 | 23 31 | 28 25 | 4 52 | 20 37 | 2 6 | 13 8 | 3 33 | 19 50 | 0 4 | 23 34 | 0 1 | 5 40 | 2 11 | 23 49 | 0 18 | 11 36 | 0 58 | 5 53 | 16 29 | 4 40 | 4 23 | 14 57 | 15 21 | 5 54 |
| T 13 | 23 32 | 27 59 | 5 1 | 20 22 | 2 22 | 13 16 | 3 35 | 20 0 | 0 3 | 23 34 | 0 1 | 5 40 | 2 12 | 23 49 | 0 18 | 11 36 | 0 58 | 5 53 | 16 30 | 4 36 | 4 22 | 14 54 | 15 20 | 5 54 |
| F 14 | 23 33 | 25 38 | 4 50 | 20 7 | 2 37 | 13 24 | 3 38 | 20 9 | 0 3 | 23 34 | 0 1 | 5 40 | 2 12 | 23 49 | 0 18 | 11 35 | 0 58 | 5 53 | 16 30 | 4 32 | 4 21 | 14 51 | 15 19 | 5 54 |
| S 15 | 23 33 | 21 34 | 4 21 | 19 53 | 2 53 | 13 33 | 3 40 | 20 19 | 0 2 | 23 34 | 0 1 | 5 39 | 2 12 | 23 48 | 0 18 | 11 35 | 0 58 | 5 53 | 16 30 | 4 28 | 4 20 | 14 48 | 15 18 | 5 54 |
| S 16 | 23 33 | 16 13 | 3 34 | 19 40 | 3 8 | 13 42 | 3 42 | 20 28 | 0 1 | 23 33 | 0 1 | 5 39 | 2 13 | 23 48 | 0 18 | 11 34 | 0 58 | 5 53 | 16 31 | 4 26 | 4 18 | 14 45 | 15 17 | 5 53 |
| M17 | 23 33 | 10 1 | 2 34 | 19 27 | 3 22 | 13 51 | 3 43 | 20 37 | 0 1 | 23 33 | 0 1 | 5 39 | 2 13 | 23 48 | 0 18 | 11 34 | 0 58 | 5 53 | 16 31 | 4 25 | 4 17 | 14 42 | 15 16 | 5 53 |
| T 18 | 23 32 | 3 24 | 1 25 | 19 16 | 3 36 | 14 1 | 3 45 | 20 46 | 0n 0 | 23 33 | 0 1 | 5 39 | 2 13 | 23 48 | 0 18 | 11 33 | 0 58 | 5 53 | 16 31 | 4 24 | 4 16 | 14 39 | 15 15 | 5 53 |
| W19 | 23 31 | 3n17 | 0 12 | 19 6 | 3 49 | 14 11 | 3 46 | 20 55 | 0 1 | 23 33 | 0 1 | 5 39 | 2 13 | 23 48 | 0 18 | 11 33 | 0 58 | 5 54 | 16 32 | 4 24 | 4 15 | 14 36 | 15 14 | 5 53 |
| T 20 | 23 29 | 9 43 | 1n 0 | 18 57 | 4 1 | 14 22 | 3 47 | 21 3 | 0 1 | 23 33 | 0 1 | 5 39 | 2 14 | 23 48 | 0 18 | 11 32 | 0 58 | 5 54 | 16 32 | 4 24 | 4 13 | 14 33 | 15 13 | 5 52 |
| F 21 | 23 27 | 15 35 | 2 8 | 18 49 | 4 12 | 14 32 | 3 48 | 21 12 | 0 2 | 23 33 | 0 1 | 5 39 | 2 14 | 23 48 | 0 18 | 11 32 | 0 58 | 5 54 | 16 32 | 4 24 | 4 12 | 14 30 | 15 12 | 5 52 |
| S 22 | 23 25 | 20 38 | 3 7 | 18 42 | 4 22 | 14 43 | 3 49 | 21 20 | 0 3 | 23 32 | 0 2 | 5 39 | 2 14 | 23 48 | 0 18 | 11 31 | 0 58 | 5 54 | 16 32 | 4 22 | 4 11 | 14 27 | 15 11 | 5 52 |
| S 23 | 23 22 | 24 35 | 3 56 | 18 37 | 4 31 | 14 54 | 3 49 | 21 28 | 0 3 | 23 32 | 0 2 | 5 39 | 2 15 | 23 48 | 0 18 | 11 31 | 0 58 | 5 54 | 16 33 | 4 19 | 4 10 | 14 24 | 15 10 | 5 52 |
| M24 | 23 18 | 27 14 | 4 31 | 18 33 | 4 38 | 15 6 | 3 49 | 21 36 | 0 4 | 23 32 | 0 2 | 5 39 | 2 15 | 23 48 | 0 18 | 11 30 | 0 58 | 5 54 | 16 33 | 4 16 | 4 8 | 14 21 | 15 9 | 5 52 |
| T 25 | 23 15 | 28 25 | 4 53 | 18 30 | 4 43 | 15 17 | 3 49 | 21 43 | 0 5 | 23 32 | 0 2 | 5 39 | 2 15 | 23 47 | 0 18 | 11 30 | 0 58 | 5 54 | 16 33 | 4 11 | 4 7 | 14 18 | 15 7 | 5 52 |
| W26 | 23 11 | 28 7 | 5 0 | 18 29 | 4 47 | 15 29 | 3 49 | 21 51 | 0 6 | 23 31 | 0 2 | 5 40 | 2 15 | 23 47 | 0 18 | 11 29 | 0 58 | 5 54 | 16 34 | 4 6 | 4 6 | 14 15 | 15 6 | 5 51 |
| T 27 | 23 6 | 26 25 | 4 52 | 18 29 | 4 49 | 15 41 | 3 49 | 21 58 | 0 6 | 23 31 | 0 2 | 5 40 | 2 16 | 23 47 | 0 18 | 11 29 | 0 58 | 5 54 | 16 34 | 4 0 | 4 5 | 14 12 | 15 5 | 5 51 |
| F 28 | 23 1 | 23 30 | 4 32 | 18 31 | 4 50 | 15 53 | 3 48 | 22 5 | 0 7 | 23 31 | 0 2 | 5 40 | 2 16 | 23 47 | 0 18 | 11 28 | 0 58 | 5 54 | 16 34 | 3 56 | 4 3 | 14 9 | 15 4 | 5 51 |
| S 29 | 22 56 | 19 36 | 3 59 | 18 34 | 4 49 | 16 5 | 3 48 | 22 12 | 0 8 | 23 30 | 0 2 | 5 41 | 2 16 | 23 47 | 0 18 | 11 27 | 0 58 | 5 55 | 16 35 | 3 51 | 4 2 | 14 6 | 15 3 | 5 51 |
| S 30 | 22n50 | 14n59 | 3n17 | 18n38 | 4s46 | 16n17 | 3s47 | 22n18 | 0n 8 | 23n30 | 0n 2 | 5s41 | 2s16 | 23n47 | 0n18 | 11n27 | 0n58 | 5s55 | 16s35 | 3n48 | 4n 1 | 14n 3 | 15n 1 | 5s51 |

Julian Day Number = 2127367.5, Delta T = 17m03s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°21'59, Lahiri = 11°28'59 Julian Calendar 1 June 1112 == Greg. Calendar 8 June 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## JULY 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 1 28 | 14♋47'16 | 10♍43 | 6°R 6 | 29♉33 | 11♊25 | 5♋19 | 20°R58 | 4♋38 | 2♍46 | 24♈28 | 9°R29 | 10♈ 2 | 1♍29 | 27♋38 | M 1 |
| T 2 | 19 5 25 | 15°44'32 | 22°31 | 5♋42 | 0♊25 | 12° 6 | 5°32 | 20♓58 | 4°41 | 2°48 | 24°28 | 9♈26 | 9°59 | 1°36 | 27°45 | T 2 |
| W 3 | 19 9 21 | 16°41'49 | 4♎24 | 5°23 | 1°18 | 12°46 | 5°46 | 20°57 | 4°45 | 2°49 | 24°29 | 9°25 | 9°56 | 1°43 | 27°52 | W 3 |
| T 4 | 19 13 18 | 17°39'06 | 16°26 | 5° 9 | 2°12 | 13°27 | 5°59 | 20°56 | 4°48 | 2°51 | 24°29 | 9°25 | 9°53 | 1°49 | 28° 0 | T 4 |
| F 5 | 19 17 15 | 18°36'23 | 28°43 | 4°59 | 3° 6 | 14° 7 | 6°12 | 20°55 | 4°52 | 2°53 | 24°29 | 9°25 | 9°49 | 1°56 | 28° 7 | F 5 |
| S 6 | 19 21 11 | 19°33'40 | 11♏20 | 4°D56 | 4° 0 | 14°47 | 6°26 | 20°54 | 4°56 | 2°55 | 24°29 | 9°23 | 9°46 | 2° 3 | 28°14 | S 6 |
| S 7 | 19 25 8 | 20°30'59 | 24°22 | 4°58 | 4°55 | 15°28 | 6°39 | 20°53 | 4°59 | 2°56 | 24°30 | 9°19 | 9°43 | 2° 9 | 28°21 | S 7 |
| M 8 | 19 29 4 | 21°28'17 | 7♐52 | 5° 6 | 5°51 | 16° 8 | 6°52 | 20°52 | 5° 3 | 2°58 | 24°30 | 9°13 | 9°40 | 2°16 | 28°29 | M 8 |
| T 9 | 19 33 1 | 22°25'37 | 21°50 | 5°21 | 6°47 | 16°48 | 7° 6 | 20°51 | 5° 6 | 3° 0 | 24°30 | 9° 5 | 9°37 | 2°23 | 28°36 | T 9 |
| W10 | 19 36 57 | 23°22'57 | 6♑14 | 5°41 | 7°44 | 17°28 | 7°19 | 20°50 | 5°10 | 3° 2 | 24°30 | 8°55 | 9°34 | 2°30 | 28°43 | W10 |
| T 11 | 19 40 54 | 24°20'18 | 21° 0 | 6° 8 | 8°41 | 18° 8 | 7°32 | 20°48 | 5°13 | 3° 3 | 24°30 | 8°44 | 9°30 | 2°36 | 28°50 | T 11 |
| F 12 | 19 44 51 | 25°17'40 | 5♒58 | 6°41 | 9°38 | 18°48 | 7°45 | 20°47 | 5°17 | 3° 5 | 24°31 | 8°34 | 9°27 | 2°43 | 28°58 | F 12 |
| S 13 | 19 48 47 | 26°15'02 | 21° 1 | 7°20 | 10°36 | 19°28 | 7°58 | 20°45 | 5°20 | 3° 7 | 24°31 | 8°26 | 9°24 | 2°50 | 29° 5 | S 13 |
| S 14 | 19 52 44 | 27°12'26 | 5♓57 | 8° 5 | 11°34 | 20° 8 | 8°11 | 20°43 | 5°23 | 3° 9 | 24°31 | 8°20 | 9°21 | 2°56 | 29°12 | S 14 |
| M15 | 19 56 40 | 28° 9'51 | 20°41 | 8°56 | 12°33 | 20°48 | 8°25 | 20°41 | 5°27 | 3°11 | 24°31 | 8°17 | 9°18 | 3° 3 | 29°20 | M15 |
| T 16 | 20 0 37 | 29° 7'17 | 5♈ 6 | 9°54 | 13°32 | 21°27 | 8°38 | 20°39 | 5°30 | 3°13 | 24°31 | 8°D16 | 9°15 | 3°10 | 29°27 | T 16 |
| W17 | 20 4 33 | 0♌ 4'44 | 19°10 | 10°57 | 14°32 | 22° 7 | 8°51 | 20°37 | 5°34 | 3°15 | 24°31 | 8°16 | 9°11 | 3°16 | 29°34 | W17 |
| T 18 | 20 8 30 | 1° 2'13 | 2♉54 | 12° 6 | 15°31 | 22°47 | 9° 4 | 20°35 | 5°37 | 3°17 | 24°31 | 8°R17 | 9° 8 | 3°23 | 29°42 | T 18 |
| F 19 | 20 12 26 | 1°59'43 | 16°18 | 13°21 | 16°32 | 23°26 | 9°16 | 20°33 | 5°40 | 3°19 | 24°R31 | 8°16 | 9° 5 | 3°30 | 29°49 | F 19 |
| S 20 | 20 16 23 | 2°57'15 | 29°24 | 14°40 | 17°32 | 24° 6 | 9°29 | 20°31 | 5°44 | 3°21 | 24°31 | 8°13 | 9° 2 | 3°36 | 29°56 | S 20 |
| S 21 | 20 20 20 | 3°54'48 | 12♊16 | 16° 5 | 18°33 | 24°45 | 9°42 | 20°28 | 5°47 | 3°23 | 24°31 | 8° 7 | 8°59 | 3°43 | 0♌ 4 | S 21 |
| M22 | 20 24 16 | 4°52'22 | 24°54 | 17°35 | 19°34 | 25°25 | 9°55 | 20°26 | 5°50 | 3°25 | 24°31 | 8° 0 | 8°55 | 3°50 | 0°11 | M22 |
| T 23 | 20 28 13 | 5°49'58 | 7♋21 | 19°10 | 20°36 | 26° 4 | 10° 8 | 20°23 | 5°54 | 3°27 | 24°31 | 7°50 | 8°52 | 3°56 | 0°18 | T 23 |
| W24 | 20 32 9 | 6°47'36 | 19°37 | 20°48 | 21°38 | 26°43 | 10°21 | 20°21 | 5°57 | 3°29 | 24°31 | 7°39 | 8°49 | 4° 3 | 0°26 | W24 |
| T 25 | 20 36 6 | 7°45'14 | 1♌45 | 22°31 | 22°40 | 27°22 | 10°33 | 20°18 | 6° 0 | 3°31 | 24°31 | 7°28 | 8°46 | 4°10 | 0°33 | T 25 |
| F 26 | 20 40 2 | 8°42'54 | 13°45 | 24°17 | 23°42 | 28° 2 | 10°46 | 20°15 | 6° 3 | 3°33 | 24°31 | 7°17 | 8°43 | 4°16 | 0°40 | F 26 |
| S 27 | 20 43 59 | 9°40'35 | 25°39 | 26° 6 | 24°45 | 28°41 | 10°59 | 20°12 | 6° 7 | 3°35 | 24°30 | 7° 8 | 8°40 | 4°23 | 0°48 | S 27 |
| S 28 | 20 47 55 | 10°38'18 | 7♍28 | 27°58 | 25°48 | 29°20 | 11°11 | 20° 9 | 6°10 | 3°37 | 24°30 | 7° 2 | 8°36 | 4°30 | 0°55 | S 28 |
| M29 | 20 51 52 | 11°36'01 | 19°15 | 29°52 | 26°51 | 29°59 | 11°24 | 20° 6 | 6°13 | 3°39 | 24°30 | 6°58 | 8°33 | 4°36 | 1° 2 | M29 |
| T 30 | 20 55 49 | 12°33'46 | 1♎ 3 | 1♌48 | 27°54 | 0♋38 | 11°36 | 20° 3 | 6°16 | 3°41 | 24°30 | 6°56 | 8°30 | 4°43 | 1°10 | T 30 |
| W31 | 20 59 45 | 13♌31'32 | 12♎56 | 3♌46 | 28♊58 | 1♋16 | 11♋49 | 20♓ 0 | 6♋19 | 3♍43 | 24♈29 | 6°D56 | 8♈27 | 4♍50 | 1♌17 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n44 | 9n50 | 2n26 | 18n44 | 4s42 | 16n29 | 3s46 | 22n25 | 0n 9 | 23n29 | 0n 2 | 5s41 | 2s17 | 23n47 | 0n18 | 11n26 | 0n58 | 5s55 | 16s35 | 3n46 | 4n 0 | 14n 0 | 15n 0 | 5s51 |
| T 2 | 22 37 | 4 20 | 1 28 | 18 51 | 4 36 | 16 41 | 3 45 | 22 31 | 0 10 | 23 29 | 0 3 | 5 42 | 2 17 | 23 47 | 0 18 | 11 26 | 0 58 | 5 55 | 16 36 | 3 45 | 3 58 | 13 57 | 14 59 | 5 51 |
| W 3 | 22 30 | 1s21 | 0 27 | 18 59 | 4 28 | 16 53 | 3 43 | 22 37 | 0 11 | 23 28 | 0 3 | 5 42 | 2 17 | 23 47 | 0 18 | 11 25 | 0 58 | 5 55 | 16 36 | 3 45 | 3 57 | 13 53 | 14 58 | 5 50 |
| T 4 | 22 23 | 7 4 | 0s37 | 19 8 | 4 20 | 17 5 | 3 42 | 22 43 | 0 11 | 23 28 | 0 3 | 5 43 | 2 18 | 23 46 | 0 18 | 11 24 | 0 58 | 5 55 | 16 36 | 3 45 | 3 56 | 13 50 | 14 56 | 5 50 |
| F 5 | 22 15 | 12 38 | 1 40 | 19 18 | 4 10 | 17 16 | 3 40 | 22 48 | 0 12 | 23 27 | 0 3 | 5 43 | 2 18 | 23 46 | 0 18 | 11 24 | 0 58 | 5 56 | 16 37 | 3 45 | 3 55 | 13 47 | 14 55 | 5 50 |
| S 6 | 22 7 | 17 51 | 2 41 | 19 29 | 3 59 | 17 28 | 3 39 | 22 54 | 0 13 | 23 27 | 0 3 | 5 44 | 2 18 | 23 46 | 0 18 | 11 23 | 0 58 | 5 56 | 16 37 | 3 44 | 3 53 | 13 44 | 14 54 | 5 50 |
| S 7 | 21 59 | 22 25 | 3 34 | 19 41 | 3 47 | 17 40 | 3 37 | 22 59 | 0 13 | 23 26 | 0 3 | 5 45 | 2 18 | 23 46 | 0 18 | 11 22 | 0 58 | 5 56 | 16 37 | 3 43 | 3 52 | 13 41 | 14 52 | 5 50 |
| M 8 | 21 50 | 25 58 | 4 18 | 19 53 | 3 34 | 17 52 | 3 35 | 23 4 | 0 14 | 23 26 | 0 3 | 5 45 | 2 19 | 23 46 | 0 18 | 11 22 | 0 58 | 5 56 | 16 38 | 3 40 | 3 51 | 13 38 | 14 51 | 5 50 |
| T 9 | 21 41 | 28 6 | 4 48 | 20 6 | 3 21 | 18 3 | 3 33 | 23 9 | 0 15 | 23 25 | 0 3 | 5 46 | 2 19 | 23 46 | 0 18 | 11 21 | 0 58 | 5 57 | 16 38 | 3 37 | 3 50 | 13 35 | 14 50 | 5 50 |
| W10 | 21 31 | 28 25 | 5 1 | 20 19 | 3 7 | 18 14 | 3 31 | 23 13 | 0 16 | 23 25 | 0 3 | 5 47 | 2 19 | 23 46 | 0 18 | 11 20 | 0 58 | 5 57 | 16 38 | 3 33 | 3 48 | 13 32 | 14 48 | 5 50 |
| T 11 | 21 21 | 26 46 | 4 55 | 20 33 | 2 52 | 18 25 | 3 28 | 23 18 | 0 16 | 23 24 | 0 3 | 5 48 | 2 19 | 23 46 | 0 18 | 11 20 | 0 58 | 5 57 | 16 38 | 3 29 | 3 47 | 13 29 | 14 47 | 5 50 |
| F 12 | 21 11 | 23 12 | 4 28 | 20 46 | 2 37 | 18 36 | 3 26 | 23 22 | 0 17 | 23 23 | 0 4 | 5 49 | 2 20 | 23 45 | 0 18 | 11 19 | 0 58 | 5 57 | 16 39 | 3 25 | 3 46 | 13 26 | 14 45 | 5 50 |
| S 13 | 21 0 | 18 5 | 3 43 | 20 59 | 2 22 | 18 47 | 3 24 | 23 26 | 0 18 | 23 23 | 0 4 | 5 50 | 2 20 | 23 45 | 0 18 | 11 18 | 0 58 | 5 58 | 16 39 | 3 22 | 3 45 | 13 23 | 14 44 | 5 50 |
| S 14 | 20 49 | 11 53 | 2 43 | 21 12 | 2 7 | 18 58 | 3 21 | 23 30 | 0 18 | 23 22 | 0 4 | 5 50 | 2 20 | 23 45 | 0 18 | 11 18 | 0 58 | 5 58 | 16 39 | 3 19 | 3 43 | 13 20 | 14 43 | 5 50 |
| M15 | 20 38 | 5 7 | 1 32 | 21 24 | 1 51 | 19 8 | 3 18 | 23 33 | 0 19 | 23 21 | 0 4 | 5 51 | 2 20 | 23 45 | 0 18 | 11 17 | 0 58 | 5 58 | 16 40 | 3 18 | 3 42 | 13 16 | 14 41 | 5 50 |
| T 16 | 20 26 | 1n47 | 0 17 | 21 36 | 1 36 | 19 18 | 3 16 | 23 37 | 0 20 | 23 20 | 0 4 | 5 52 | 2 21 | 23 45 | 0 19 | 11 16 | 0 58 | 5 58 | 16 40 | 3 18 | 3 41 | 13 13 | 14 40 | 5 50 |
| W17 | 20 14 | 8 26 | 0n58 | 21 46 | 1 20 | 19 28 | 3 13 | 23 40 | 0 21 | 23 20 | 0 4 | 5 53 | 2 21 | 23 45 | 0 19 | 11 16 | 0 58 | 5 59 | 16 40 | 3 18 | 3 40 | 13 10 | 14 38 | 5 50 |
| T 18 | 20 2 | 14 32 | 2 7 | 21 55 | 1 5 | 19 37 | 3 10 | 23 43 | 0 21 | 23 19 | 0 4 | 5 54 | 2 21 | 23 45 | 0 19 | 11 15 | 0 58 | 5 59 | 16 41 | 3 18 | 3 38 | 13 7 | 14 37 | 5 50 |
| F 19 | 19 49 | 19 47 | 3 8 | 22 3 | 0 50 | 19 46 | 3 7 | 23 46 | 0 22 | 23 18 | 0 4 | 5 56 | 2 21 | 23 45 | 0 19 | 11 14 | 0 58 | 5 59 | 16 41 | 3 18 | 3 37 | 13 4 | 14 35 | 5 50 |
| S 20 | 19 36 | 23 59 | 3 57 | 22 9 | 0 35 | 19 55 | 3 4 | 23 48 | 0 23 | 23 17 | 0 4 | 5 57 | 2 22 | 23 44 | 0 19 | 11 14 | 0 58 | 6 0 | 16 41 | 3 16 | 3 36 | 13 1 | 14 34 | 5 50 |
| S 21 | 19 22 | 26 53 | 4 33 | 22 14 | 0 21 | 20 4 | 3 0 | 23 51 | 0 23 | 23 16 | 0 4 | 5 58 | 2 22 | 23 44 | 0 19 | 11 13 | 0 58 | 6 0 | 16 42 | 3 14 | 3 35 | 12 58 | 14 32 | 5 50 |
| M22 | 19 8 | 28 23 | 4 56 | 22 16 | 0 8 | 20 12 | 2 57 | 23 53 | 0 24 | 23 16 | 0 5 | 5 59 | 2 22 | 23 44 | 0 19 | 11 12 | 0 58 | 6 0 | 16 42 | 3 11 | 3 33 | 12 55 | 14 31 | 5 50 |
| T 23 | 18 54 | 28 24 | 5 3 | 22 16 | 0n 5 | 20 20 | 2 54 | 23 55 | 0 25 | 23 15 | 0 5 | 6 0 | 2 22 | 23 44 | 0 19 | 11 11 | 0 58 | 6 1 | 16 42 | 3 7 | 3 32 | 12 52 | 14 29 | 5 50 |
| W24 | 18 40 | 27 1 | 4 57 | 22 14 | 0 18 | 20 27 | 2 50 | 23 57 | 0 26 | 23 14 | 0 5 | 6 2 | 2 23 | 23 44 | 0 19 | 11 11 | 0 58 | 6 1 | 16 43 | 3 3 | 3 31 | 12 48 | 14 27 | 5 50 |
| T 25 | 18 25 | 24 22 | 4 37 | 22 9 | 0 30 | 20 34 | 2 47 | 23 58 | 0 26 | 23 13 | 0 5 | 6 3 | 2 23 | 23 44 | 0 19 | 11 10 | 0 58 | 6 1 | 16 43 | 2 58 | 3 29 | 12 45 | 14 26 | 5 50 |
| F 26 | 18 10 | 20 41 | 4 5 | 22 2 | 0 41 | 20 41 | 2 43 | 24 0 | 0 27 | 23 12 | 0 5 | 6 4 | 2 23 | 23 44 | 0 19 | 11 9 | 0 58 | 6 2 | 16 43 | 2 54 | 3 28 | 12 42 | 14 24 | 5 50 |
| S 27 | 17 55 | 16 12 | 3 22 | 21 52 | 0 51 | 20 47 | 2 40 | 24 1 | 0 28 | 23 11 | 0 5 | 6 5 | 2 23 | 23 44 | 0 19 | 11 8 | 0 58 | 6 2 | 16 44 | 2 51 | 3 27 | 12 39 | 14 23 | 5 50 |
| S 28 | 17 39 | 11 9 | 2 31 | 21 39 | 1 0 | 20 53 | 2 36 | 24 2 | 0 29 | 23 10 | 0 5 | 6 7 | 2 23 | 23 43 | 0 19 | 11 8 | 0 58 | 6 2 | 16 44 | 2 48 | 3 26 | 12 36 | 14 21 | 5 50 |
| M29 | 17 23 | 5 42 | 1 34 | 21 24 | 1 9 | 20 59 | 2 33 | 24 3 | 0 29 | 23 9 | 0 5 | 6 8 | 2 24 | 23 43 | 0 19 | 11 7 | 0 58 | 6 3 | 16 44 | 2 47 | 3 24 | 12 33 | 14 19 | 5 50 |
| T 30 | 17 7 | 0 4 | 0 32 | 21 6 | 1 16 | 21 4 | 2 29 | 24 3 | 0 30 | 23 8 | 0 5 | 6 10 | 2 24 | 23 43 | 0 19 | 11 6 | 0 58 | 6 3 | 16 45 | 2 46 | 3 23 | 12 30 | 14 18 | 5 50 |
| W31 | 16n51 | 5s38 | 0s32 | 20n45 | 1n23 | 21n 8 | 2s25 | 24n 4 | 0n31 | 23n 7 | 0n 6 | 6s11 | 2s24 | 23n43 | 0n19 | 11n 5 | 0n58 | 6s 3 | 16s45 | 2n46 | 3n22 | 12n26 | 14n16 | 5s51 |

Julian Day Number = 2127397.5, Delta T = 17m03s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'03, Lahiri = 11°29'04 Julian Calendar 1 July 1112 == Greg. Calendar 8 July 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## AUGUST 1112 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 3 42 | 14♌29'19 | 24♎58 | 5♌45 | 0♋ 2 | 1♋55 | 12♋ 1 | 19°R57 | 6♋22 | 3♍45 | 24°R29 | 6♈57 | 8♈24 | 4♍56 | 1♌24 | T 1 |
| F 2 | 21 7 38 | 15°27'08 | 7♏13 | 7°44 | 1° 6 | 2°34 | 12°13 | 19♓53 | 6°25 | 3°47 | 24♈29 | 6°58 | 8°20 | 5° 3 | 1°31 | F 2 |
| S 3 | 21 11 35 | 16°24'57 | 19°48 | 9°44 | 2°11 | 3°12 | 12°25 | 19°50 | 6°28 | 3°50 | 24°29 | 6°R58 | 8°17 | 5°10 | 1°39 | S 3 |
| S 4 | 21 15 31 | 17°22'48 | 2♐46 | 11°44 | 3°16 | 3°51 | 12°38 | 19°46 | 6°31 | 3°52 | 24°28 | 6°57 | 8°14 | 5°16 | 1°46 | S 4 |
| M 5 | 21 19 28 | 18°20'41 | 16°11 | 13°44 | 4°21 | 4°30 | 12°50 | 19°43 | 6°34 | 3°54 | 24°28 | 6°54 | 8°11 | 5°23 | 1°53 | M 5 |
| T 6 | 21 23 24 | 19°18'35 | 0♑ 6 | 15°44 | 5°26 | 5° 8 | 13° 2 | 19°39 | 6°37 | 3°56 | 24°28 | 6°49 | 8° 8 | 5°30 | 2° 0 | T 6 |
| W 7 | 21 27 21 | 20°16'30 | 14°30 | 17°43 | 6°31 | 5°46 | 13°14 | 19°35 | 6°40 | 3°58 | 24°27 | 6°43 | 8° 5 | 5°36 | 2° 7 | W 7 |
| T 8 | 21 31 18 | 21°14'26 | 29°18 | 19°42 | 7°37 | 6°25 | 13°26 | 19°32 | 6°43 | 4° 0 | 24°27 | 6°36 | 8° 1 | 5°43 | 2°15 | T 8 |
| F 9 | 21 35 14 | 22°12'24 | 14♒24 | 21°40 | 8°42 | 7° 3 | 13°38 | 19°28 | 6°46 | 4° 3 | 24°26 | 6°29 | 7°58 | 5°50 | 2°22 | F 9 |
| S 10 | 21 39 11 | 23°10'23 | 29°38 | 23°37 | 9°48 | 7°41 | 13°50 | 19°24 | 6°48 | 4° 5 | 24°26 | 6°24 | 7°55 | 5°56 | 2°29 | S 10 |
| S 11 | 21 43 7 | 24° 8'24 | 14♓50 | 25°33 | 10°55 | 8°19 | 14° 1 | 19°20 | 6°51 | 4° 7 | 24°25 | 6°20 | 7°52 | 6° 3 | 2°36 | S 11 |
| M12 | 21 47 4 | 25° 6'27 | 29°50 | 27°28 | 12° 1 | 8°57 | 14°13 | 19°16 | 6°54 | 4° 9 | 24°25 | 6°D19 | 7°49 | 6°10 | 2°43 | M12 |
| T 13 | 21 51 0 | 26° 4'32 | 14♈31 | 29°22 | 13° 8 | 9°35 | 14°25 | 19°12 | 6°56 | 4°11 | 24°24 | 6°19 | 7°46 | 6°16 | 2°50 | T 13 |
| W14 | 21 54 57 | 27° 2'38 | 28°48 | 1♍14 | 14°15 | 10°13 | 14°36 | 19° 8 | 6°59 | 4°14 | 24°24 | 6°20 | 7°42 | 6°23 | 2°57 | W14 |
| T 15 | 21 58 53 | 28° 0'47 | 12♉40 | 3° 6 | 15°22 | 10°51 | 14°48 | 19° 4 | 7° 2 | 4°16 | 24°23 | 6°21 | 7°39 | 6°30 | 3° 4 | T 15 |
| F 16 | 22 2 50 | 28°58'58 | 26° 8 | 4°56 | 16°29 | 11°29 | 14°59 | 18°59 | 7° 4 | 4°18 | 24°23 | 6°R22 | 7°36 | 6°36 | 3°11 | F 16 |
| S 17 | 22 6 47 | 29°57'11 | 9♊12 | 6°45 | 17°36 | 12° 7 | 15°10 | 18°55 | 7° 7 | 4°20 | 24°22 | 6°22 | 7°33 | 6°43 | 3°18 | S 17 |
| S 18 | 22 10 43 | 0♍55'26 | 21°58 | 8°33 | 18°44 | 12°44 | 15°22 | 18°51 | 7° 9 | 4°22 | 24°22 | 6°20 | 7°30 | 6°50 | 3°25 | S 18 |
| M19 | 22 14 40 | 1°53'43 | 4♋27 | 10°20 | 19°51 | 13°22 | 15°33 | 18°46 | 7°12 | 4°25 | 24°21 | 6°16 | 7°26 | 6°56 | 3°31 | M19 |
| T 20 | 22 18 36 | 2°52'02 | 16°43 | 12° 6 | 20°59 | 13°59 | 15°44 | 18°42 | 7°14 | 4°27 | 24°20 | 6°12 | 7°23 | 7° 3 | 3°38 | T 20 |
| W21 | 22 22 33 | 3°50'24 | 28°49 | 13°50 | 22° 7 | 14°37 | 15°55 | 18°38 | 7°17 | 4°29 | 24°20 | 6° 6 | 7°20 | 7°10 | 3°45 | W21 |
| T 22 | 22 26 29 | 4°48'47 | 10♌47 | 15°34 | 23°16 | 15°14 | 16° 6 | 18°33 | 7°19 | 4°31 | 24°19 | 6° 0 | 7°17 | 7°16 | 3°52 | T 22 |
| F 23 | 22 30 26 | 5°47'12 | 22°40 | 17°16 | 24°24 | 15°51 | 16°17 | 18°29 | 7°21 | 4°34 | 24°18 | 5°55 | 7°14 | 7°23 | 3°59 | F 23 |
| S 24 | 22 34 22 | 6°45'39 | 4♍29 | 18°57 | 25°32 | 16°29 | 16°27 | 18°24 | 7°23 | 4°36 | 24°18 | 5°51 | 7°11 | 7°30 | 4° 5 | S 24 |
| S 25 | 22 38 19 | 7°44'08 | 16°17 | 20°37 | 26°41 | 17° 6 | 16°38 | 18°20 | 7°26 | 4°38 | 24°17 | 5°48 | 7° 7 | 7°36 | 4°12 | S 25 |
| M26 | 22 42 16 | 8°42'39 | 28° 5 | 22°16 | 27°50 | 17°43 | 16°49 | 18°15 | 7°28 | 4°40 | 24°16 | 5°46 | 7° 4 | 7°43 | 4°18 | M26 |
| T 27 | 22 46 12 | 9°41'12 | 9♎57 | 23°54 | 28°59 | 18°20 | 16°59 | 18°10 | 7°30 | 4°43 | 24°16 | 5°D46 | 7° 1 | 7°50 | 4°25 | T 27 |
| W28 | 22 50 9 | 10°39'46 | 21°54 | 25°31 | 0♌ 8 | 18°57 | 17° 9 | 18° 6 | 7°32 | 4°45 | 24°15 | 5°47 | 6°58 | 7°56 | 4°32 | W28 |
| T 29 | 22 54 5 | 11°38'22 | 4♏ 1 | 27° 6 | 1°17 | 19°34 | 17°20 | 18° 1 | 7°34 | 4°47 | 24°14 | 5°48 | 6°55 | 8° 3 | 4°38 | T 29 |
| F 30 | 22 58 2 | 12°37'00 | 16°19 | 28°41 | 2°27 | 20°11 | 17°30 | 17°57 | 7°36 | 4°49 | 24°13 | 5°50 | 6°52 | 8°10 | 4°44 | F 30 |
| S 31 | 23 1 58 | 13♍35'40 | 28♏55 | 0♎15 | 3♌36 | 20♋47 | 17♋40 | 17♓52 | 7♋38 | 4♍51 | 24♈12 | 5♈51 | 6♈48 | 8♍16 | 4♌51 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n34 | 11s11 | 1s36 | 20n22 | 1n29 | 21n12 | 2s21 | 24n 4 | 0n32 | 23n 6 | 0n 6 | 6s13 | 2s24 | 23n43 | 0n19 | 11n 4 | 0n58 | 6s 4 | 16s45 | 2n46 | 3n21 | 12n23 | 14n14 | 5s51 |
| F 2 | 16 17 | 16 26 | 2 36 | 19 56 | 1 34 | 21 16 | 2 17 | 24 4 | 0 32 | 23 5 | 0 6 | 6 14 | 2 25 | 23 43 | 0 19 | 11 4 | 0 58 | 6 4 | 16 46 | 2 47 | 3 19 | 12 20 | 14 13 | 5 51 |
| S 3 | 16 0 | 21 8 | 3 30 | 19 28 | 1 38 | 21 19 | 2 14 | 24 4 | 0 33 | 23 4 | 0 6 | 6 16 | 2 25 | 23 43 | 0 19 | 11 3 | 0 58 | 6 5 | 16 46 | 2 47 | 3 18 | 12 17 | 14 11 | 5 51 |
| S 4 | 15 42 | 24 59 | 4 16 | 18 58 | 1 41 | 21 21 | 2 10 | 24 4 | 0 34 | 23 3 | 0 6 | 6 17 | 2 25 | 23 43 | 0 19 | 11 2 | 0 58 | 6 5 | 16 46 | 2 46 | 3 17 | 12 14 | 14 9 | 5 51 |
| M 5 | 15 24 | 27 37 | 4 49 | 18 26 | 1 44 | 21 24 | 2 6 | 24 3 | 0 35 | 23 2 | 0 6 | 6 19 | 2 25 | 23 42 | 0 19 | 11 1 | 0 58 | 6 5 | 16 47 | 2 45 | 3 16 | 12 11 | 14 8 | 5 51 |
| T 6 | 15 6 | 28 40 | 5 6 | 17 52 | 1 45 | 21 25 | 2 2 | 24 3 | 0 35 | 23 1 | 0 6 | 6 21 | 2 25 | 23 42 | 0 19 | 11 1 | 0 58 | 6 6 | 16 47 | 2 43 | 3 14 | 12 7 | 14 6 | 5 51 |
| W 7 | 14 48 | 27 50 | 5 6 | 17 17 | 1 46 | 21 26 | 1 58 | 24 2 | 0 36 | 23 0 | 0 6 | 6 22 | 2 25 | 23 42 | 0 19 | 11 0 | 0 58 | 6 6 | 16 47 | 2 41 | 3 13 | 12 4 | 14 4 | 5 52 |
| T 8 | 14 29 | 25 2 | 4 45 | 16 40 | 1 47 | 21 27 | 1 54 | 24 1 | 0 37 | 22 59 | 0 6 | 6 24 | 2 26 | 23 42 | 0 19 | 10 59 | 0 58 | 6 7 | 16 47 | 2 38 | 3 12 | 12 1 | 14 3 | 5 52 |
| F 9 | 14 11 | 20 29 | 4 4 | 16 2 | 1 46 | 21 27 | 1 50 | 24 0 | 0 38 | 22 58 | 0 7 | 6 25 | 2 26 | 23 42 | 0 19 | 10 58 | 0 58 | 6 7 | 16 48 | 2 35 | 3 11 | 11 58 | 14 1 | 5 52 |
| S 10 | 13 52 | 14 33 | 3 5 | 15 22 | 1 45 | 21 26 | 1 45 | 23 58 | 0 38 | 22 57 | 0 7 | 6 27 | 2 26 | 23 42 | 0 19 | 10 57 | 0 58 | 6 8 | 16 48 | 2 33 | 3 9 | 11 55 | 13 59 | 5 52 |
| S 11 | 13 32 | 7 45 | 1 54 | 14 41 | 1 44 | 21 25 | 1 41 | 23 57 | 0 39 | 22 56 | 0 7 | 6 29 | 2 26 | 23 42 | 0 19 | 10 57 | 0 58 | 6 8 | 16 48 | 2 32 | 3 8 | 11 52 | 13 57 | 5 52 |
| M12 | 13 13 | 0 36 | 0 35 | 14 0 | 1 41 | 21 24 | 1 37 | 23 55 | 0 40 | 22 54 | 0 7 | 6 31 | 2 26 | 23 42 | 0 19 | 10 56 | 0 58 | 6 8 | 16 49 | 2 31 | 3 7 | 11 48 | 13 56 | 5 52 |
| T 13 | 12 53 | 6n26 | 0n44 | 13 18 | 1 39 | 21 22 | 1 33 | 23 53 | 0 41 | 22 53 | 0 7 | 6 32 | 2 27 | 23 41 | 0 19 | 10 55 | 0 58 | 6 9 | 16 49 | 2 31 | 3 6 | 11 45 | 13 54 | 5 53 |
| W14 | 12 33 | 12 58 | 1 59 | 12 35 | 1 36 | 21 19 | 1 29 | 23 51 | 0 41 | 22 52 | 0 7 | 6 34 | 2 27 | 23 41 | 0 19 | 10 54 | 0 58 | 6 9 | 16 49 | 2 32 | 3 4 | 11 42 | 13 52 | 5 53 |
| T 15 | 12 13 | 18 39 | 3 5 | 11 51 | 1 32 | 21 16 | 1 25 | 23 49 | 0 42 | 22 51 | 0 7 | 6 36 | 2 27 | 23 41 | 0 19 | 10 53 | 0 58 | 6 10 | 16 49 | 2 32 | 3 3 | 11 39 | 13 50 | 5 53 |
| F 16 | 11 53 | 23 14 | 3 58 | 11 7 | 1 28 | 21 12 | 1 21 | 23 46 | 0 43 | 22 50 | 0 7 | 6 38 | 2 27 | 23 41 | 0 19 | 10 53 | 0 58 | 6 10 | 16 50 | 2 32 | 3 2 | 11 36 | 13 49 | 5 53 |
| S 17 | 11 33 | 26 30 | 4 37 | 10 22 | 1 24 | 21 8 | 1 17 | 23 44 | 0 44 | 22 49 | 0 7 | 6 40 | 2 27 | 23 41 | 0 19 | 10 52 | 0 58 | 6 11 | 16 50 | 2 32 | 3 1 | 11 32 | 13 47 | 5 54 |
| S 18 | 11 12 | 28 20 | 5 2 | 9 37 | 1 19 | 21 3 | 1 13 | 23 41 | 0 45 | 22 48 | 0 8 | 6 41 | 2 27 | 23 41 | 0 19 | 10 51 | 0 58 | 6 11 | 16 50 | 2 32 | 2 59 | 11 29 | 13 45 | 5 54 |
| M19 | 10 51 | 28 40 | 5 11 | 8 52 | 1 14 | 20 57 | 1 8 | 23 38 | 0 45 | 22 46 | 0 8 | 6 43 | 2 27 | 23 41 | 0 19 | 10 50 | 0 58 | 6 12 | 16 51 | 2 30 | 2 58 | 11 26 | 13 43 | 5 54 |
| T 20 | 10 30 | 27 34 | 5 6 | 8 7 | 1 9 | 20 51 | 1 4 | 23 35 | 0 46 | 22 45 | 0 8 | 6 45 | 2 27 | 23 41 | 0 19 | 10 49 | 0 58 | 6 12 | 16 51 | 2 28 | 2 57 | 11 23 | 13 41 | 5 54 |
| W21 | 10 9 | 25 11 | 4 48 | 7 21 | 1 3 | 20 44 | 1 0 | 23 32 | 0 47 | 22 44 | 0 8 | 6 47 | 2 28 | 23 41 | 0 19 | 10 48 | 0 58 | 6 12 | 16 51 | 2 26 | 2 56 | 11 20 | 13 40 | 5 55 |
| T 22 | 9 48 | 21 43 | 4 17 | 6 36 | 0 57 | 20 37 | 0 56 | 23 28 | 0 48 | 22 43 | 0 8 | 6 49 | 2 28 | 23 40 | 0 19 | 10 48 | 0 58 | 6 13 | 16 51 | 2 24 | 2 54 | 11 16 | 13 38 | 5 55 |
| F 23 | 9 26 | 17 24 | 3 34 | 5 50 | 0 51 | 20 29 | 0 52 | 23 25 | 0 48 | 22 42 | 0 8 | 6 51 | 2 28 | 23 40 | 0 19 | 10 47 | 0 58 | 6 13 | 16 52 | 2 22 | 2 53 | 11 13 | 13 36 | 5 55 |
| S 24 | 9 4 | 12 27 | 2 43 | 5 5 | 0 45 | 20 21 | 0 48 | 23 21 | 0 49 | 22 40 | 0 8 | 6 52 | 2 28 | 23 40 | 0 19 | 10 46 | 0 58 | 6 14 | 16 52 | 2 20 | 2 52 | 11 10 | 13 34 | 5 55 |
| S 25 | 8 43 | 7 3 | 1 45 | 4 19 | 0 38 | 20 12 | 0 44 | 23 17 | 0 50 | 22 39 | 0 8 | 6 54 | 2 28 | 23 40 | 0 19 | 10 45 | 0 58 | 6 14 | 16 52 | 2 19 | 2 50 | 11 7 | 13 32 | 5 56 |
| M26 | 8 21 | 1 24 | 0 42 | 3 34 | 0 32 | 20 3 | 0 40 | 23 13 | 0 51 | 22 38 | 0 9 | 6 56 | 2 28 | 23 40 | 0 19 | 10 44 | 0 58 | 6 15 | 16 52 | 2 18 | 2 49 | 11 4 | 13 30 | 5 56 |
| T 27 | 7 59 | 4s19 | 0s23 | 2 49 | 0 25 | 19 53 | 0 36 | 23 9 | 0 52 | 22 37 | 0 9 | 6 58 | 2 28 | 23 40 | 0 19 | 10 44 | 0 58 | 6 15 | 16 53 | 2 18 | 2 48 | 11 0 | 13 29 | 5 56 |
| W28 | 7 36 | 9 56 | 1 28 | 2 4 | 0 18 | 19 42 | 0 32 | 23 4 | 0 52 | 22 36 | 0 9 | 7 0 | 2 28 | 23 40 | 0 19 | 10 43 | 0 58 | 6 16 | 16 53 | 2 18 | 2 47 | 10 57 | 13 27 | 5 57 |
| T 29 | 7 14 | 15 15 | 2 29 | 1 19 | 0 11 | 19 31 | 0 28 | 23 0 | 0 53 | 22 34 | 0 9 | 7 2 | 2 28 | 23 40 | 0 19 | 10 42 | 0 58 | 6 16 | 16 53 | 2 19 | 2 45 | 10 54 | 13 25 | 5 57 |
| F 30 | 6 51 | 20 5 | 3 25 | 0 35 | 0 3 | 19 19 | 0 24 | 22 55 | 0 54 | 22 33 | 0 9 | 7 4 | 2 28 | 23 40 | 0 19 | 10 41 | 0 58 | 6 17 | 16 53 | 2 20 | 2 44 | 10 51 | 13 23 | 5 57 |
| S 31 | 6n29 | 24s 7 | 4s13 | 0s10 | 0s 4 | 19n 7 | 0s20 | 22n51 | 0n55 | 22n32 | 0n 9 | 7s 6 | 2s29 | 23n40 | 0n19 | 10n40 | 0n58 | 6s17 | 16s53 | 2n20 | 2n43 | 10n47 | 13n21 | 5s58 |

Julian Day Number = 2127428.5, Delta T = 17m03s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'07, Lahiri = 11°29'08 Julian Calendar 1 Aug. 1112 == Greg. Calendar 8 Aug. 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## SEPTEMBER 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 5 55 | 14♍34'22 | 11♐50 | 1♎48 | 4♌46 | 21♋24 | 17♋50 | 17°R47 | 7♋40 | 4♍54 | 24°R12 | 5°R52 | 6♈45 | 8♍23 | 4♌57 | S 1 |
| M 2 | 23 9 51 | 15°33'05 | 25° 9 | 3°19 | 5°56 | 22° 1 | 18° 0 | 17♓43 | 7°42 | 4°56 | 24♈11 | 5♈52 | 6°42 | 8°30 | 5° 3 | M 2 |
| T 3 | 23 13 48 | 16°31'51 | 8♑55 | 4°50 | 7° 6 | 22°37 | 18°10 | 17°38 | 7°44 | 4°58 | 24°10 | 5°51 | 6°39 | 8°36 | 5°10 | T 3 |
| W 4 | 23 17 45 | 17°30'38 | 23° 7 | 6°20 | 8°16 | 23°13 | 18°19 | 17°33 | 7°45 | 5° 0 | 24° 9 | 5°49 | 6°36 | 8°43 | 5°16 | W 4 |
| T 5 | 23 21 41 | 18°29'26 | 7♒44 | 7°49 | 9°26 | 23°50 | 18°29 | 17°28 | 7°47 | 5° 2 | 24° 8 | 5°46 | 6°32 | 8°50 | 5°22 | T 5 |
| F 6 | 23 25 38 | 19°28'17 | 22°40 | 9°16 | 10°36 | 24°26 | 18°38 | 17°24 | 7°49 | 5° 5 | 24° 7 | 5°44 | 6°29 | 8°56 | 5°28 | F 6 |
| S 7 | 23 29 34 | 20°27'09 | 7♓50 | 10°43 | 11°47 | 25° 2 | 18°48 | 17°19 | 7°50 | 5° 7 | 24° 6 | 5°43 | 6°26 | 9° 3 | 5°34 | S 7 |
| S 8 | 23 33 31 | 21°26'03 | 23° 2 | 12° 9 | 12°57 | 25°38 | 18°57 | 17°14 | 7°52 | 5° 9 | 24° 5 | 5°42 | 6°23 | 9°10 | 5°40 | S 8 |
| M 9 | 23 37 27 | 22°24'59 | 8♈ 9 | 13°33 | 14° 8 | 26°14 | 19° 6 | 17°10 | 7°54 | 5°11 | 24° 4 | 5°D41 | 6°20 | 9°16 | 5°46 | M 9 |
| T 10 | 23 41 24 | 23°23'57 | 23° 0 | 14°57 | 15°19 | 26°50 | 19°15 | 17° 5 | 7°55 | 5°13 | 24° 4 | 5°42 | 6°17 | 9°23 | 5°52 | T 10 |
| W11 | 23 45 20 | 24°22'58 | 7♉29 | 16°19 | 16°30 | 27°26 | 19°24 | 17° 1 | 7°56 | 5°15 | 24° 3 | 5°43 | 6°13 | 9°30 | 5°58 | W11 |
| T 12 | 23 49 17 | 25°22'01 | 21°32 | 17°41 | 17°41 | 28° 2 | 19°33 | 16°56 | 7°58 | 5°17 | 24° 2 | 5°44 | 6°10 | 9°36 | 6° 4 | T 12 |
| F 13 | 23 53 13 | 26°21'06 | 5♊ 9 | 19° 1 | 18°52 | 28°37 | 19°41 | 16°51 | 7°59 | 5°20 | 24° 1 | 5°44 | 6° 7 | 9°43 | 6° 9 | F 13 |
| S 14 | 23 57 10 | 27°20'14 | 18°19 | 20°20 | 20° 3 | 29°13 | 19°50 | 16°47 | 8° 1 | 5°22 | 24° 0 | 5°45 | 6° 4 | 9°50 | 6°15 | S 14 |
| S 15 | 0 1 7 | 28°19'24 | 1♋ 6 | 21°38 | 21°15 | 29°49 | 19°58 | 16°42 | 8° 2 | 5°24 | 23°59 | 5°R45 | 6° 1 | 9°56 | 6°21 | S 15 |
| M16 | 0 5 3 | 29°18'37 | 13°34 | 22°54 | 22°26 | 0♌24 | 20° 7 | 16°38 | 8° 3 | 5°26 | 23°58 | 5°45 | 5°58 | 10° 3 | 6°26 | M16 |
| T 17 | 0 9 0 | 0♎17'52 | 25°45 | 24° 9 | 23°38 | 0°59 | 20°15 | 16°33 | 8° 4 | 5°28 | 23°57 | 5°44 | 5°54 | 10° 9 | 6°32 | T 17 |
| W18 | 0 12 56 | 1°17'09 | 7♌46 | 25°22 | 24°49 | 1°35 | 20°23 | 16°29 | 8° 5 | 5°30 | 23°56 | 5°44 | 5°51 | 10°16 | 6°37 | W18 |
| T 19 | 0 16 53 | 2°16'28 | 19°39 | 26°34 | 26° 1 | 2°10 | 20°31 | 16°24 | 8° 6 | 5°32 | 23°55 | 5°43 | 5°48 | 10°23 | 6°42 | T 19 |
| F 20 | 0 20 49 | 3°15'50 | 1♍27 | 27°44 | 27°13 | 2°45 | 20°38 | 16°20 | 8° 7 | 5°34 | 23°53 | 5°43 | 5°45 | 10°29 | 6°48 | F 20 |
| S 21 | 0 24 46 | 4°15'13 | 13°15 | 28°52 | 28°25 | 3°20 | 20°46 | 16°16 | 8° 8 | 5°36 | 23°52 | 5°43 | 5°42 | 10°36 | 6°53 | S 21 |
| S 22 | 0 28 42 | 5°14'39 | 25° 5 | 29°58 | 29°37 | 3°55 | 20°54 | 16°11 | 8° 9 | 5°38 | 23°51 | 5°42 | 5°38 | 10°43 | 6°58 | S 22 |
| M23 | 0 32 39 | 6°14'07 | 6♎59 | 1♏ 2 | 0♍49 | 4°29 | 21° 1 | 16° 7 | 8°10 | 5°40 | 23°50 | 5°42 | 5°35 | 10°49 | 7° 3 | M23 |
| T 24 | 0 36 36 | 7°13'37 | 18°59 | 2° 3 | 2° 2 | 5° 4 | 21° 8 | 16° 3 | 8°11 | 5°42 | 23°49 | 5°42 | 5°32 | 10°56 | 7° 8 | T 24 |
| W25 | 0 40 32 | 8°13'10 | 1♏ 7 | 3° 2 | 3°14 | 5°39 | 21°15 | 15°59 | 8°11 | 5°44 | 23°48 | 5°42 | 5°29 | 11° 3 | 7°13 | W25 |
| T 26 | 0 44 29 | 9°12'44 | 13°25 | 3°58 | 4°26 | 6°13 | 21°22 | 15°54 | 8°12 | 5°46 | 23°47 | 5°42 | 5°26 | 11° 9 | 7°18 | T 26 |
| F 27 | 0 48 25 | 10°12'20 | 25°55 | 4°51 | 5°39 | 6°48 | 21°29 | 15°50 | 8°13 | 5°48 | 23°46 | 5°41 | 5°23 | 11°16 | 7°23 | F 27 |
| S 28 | 0 52 22 | 11°11'58 | 8♐39 | 5°40 | 6°52 | 7°22 | 21°35 | 15°46 | 8°13 | 5°50 | 23°45 | 5°41 | 5°19 | 11°23 | 7°27 | S 28 |
| S 29 | 0 56 18 | 12°11'38 | 21°39 | 6°25 | 8° 4 | 7°56 | 21°42 | 15°42 | 8°14 | 5°52 | 23°44 | 5°40 | 5°16 | 11°29 | 7°32 | S 29 |
| M30 | 1 0 15 | 13♎11'19 | 4♑58 | 7♏ 6 | 9♍17 | 8♌30 | 21♋48 | 15♓39 | 8♋14 | 5♍54 | 23♈43 | 5♈40 | 5♈13 | 11♍36 | 7♌36 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n 6 | 27s 5 | 4s49 | 0s53 | 0s11 | 18n54 | 0s16 | 22n46 | 0n56 | 22n31 | 0n 9 | 7s 8 | 2s29 | 23n39 | 0n19 | 10n40 | 0n58 | 6s18 | 16s54 | 2n20 | 2n42 | 10n44 | 13n20 | 5s58 |
| M 2 | 5 43 | 28 38 | 5 10 | 1 37 | 0 19 | 18 41 | 0 13 | 22 41 | 0 56 | 22 30 | 0 9 | 7 10 | 2 29 | 23 39 | 0 19 | 10 39 | 0 58 | 6 18 | 16 54 | 2 20 | 2 40 | 10 41 | 13 18 | 5 58 |
| T 3 | 5 20 | 28 30 | 5 15 | 2 20 | 0 26 | 18 27 | 0 9 | 22 35 | 0 57 | 22 29 | 0 10 | 7 11 | 2 29 | 23 39 | 0 19 | 10 38 | 0 58 | 6 19 | 16 54 | 2 20 | 2 39 | 10 38 | 13 16 | 5 59 |
| W 4 | 4 57 | 26 31 | 5 2 | 3 3 | 0 34 | 18 12 | 0 5 | 22 30 | 0 58 | 22 27 | 0 10 | 7 13 | 2 29 | 23 39 | 0 20 | 10 37 | 0 58 | 6 19 | 16 54 | 2 19 | 2 38 | 10 34 | 13 14 | 5 59 |
| T 5 | 4 34 | 22 45 | 4 28 | 3 45 | 0 41 | 17 57 | 0 1 | 22 25 | 0 59 | 22 26 | 0 10 | 7 15 | 2 29 | 23 39 | 0 20 | 10 36 | 0 58 | 6 20 | 16 54 | 2 18 | 2 37 | 10 31 | 13 12 | 6 0 |
| F 6 | 4 11 | 17 26 | 3 36 | 4 26 | 0 49 | 17 42 | 0n 2 | 22 19 | 1 0 | 22 25 | 0 10 | 7 17 | 2 29 | 23 39 | 0 20 | 10 36 | 0 58 | 6 20 | 16 55 | 2 17 | 2 35 | 10 28 | 13 10 | 6 0 |
| S 7 | 3 48 | 10 58 | 2 28 | 5 8 | 0 56 | 17 26 | 0 6 | 22 13 | 1 0 | 22 24 | 0 10 | 7 19 | 2 29 | 23 39 | 0 20 | 10 35 | 0 58 | 6 21 | 16 55 | 2 17 | 2 34 | 10 25 | 13 9 | 6 0 |
| S 8 | 3 25 | 3 50 | 1 10 | 5 48 | 1 4 | 17 10 | 0 9 | 22 7 | 1 1 | 22 23 | 0 10 | 7 21 | 2 29 | 23 39 | 0 20 | 10 34 | 0 58 | 6 21 | 16 55 | 2 16 | 2 33 | 10 21 | 13 7 | 6 1 |
| M 9 | 3 1 | 3n27 | 0n14 | 6 28 | 1 11 | 16 53 | 0 13 | 22 1 | 1 2 | 22 22 | 0 10 | 7 23 | 2 29 | 23 39 | 0 20 | 10 33 | 0 58 | 6 22 | 16 55 | 2 16 | 2 32 | 10 18 | 13 5 | 6 1 |
| T 10 | 2 38 | 10 27 | 1 35 | 7 8 | 1 19 | 16 35 | 0 16 | 21 55 | 1 3 | 22 20 | 0 10 | 7 24 | 2 29 | 23 39 | 0 20 | 10 33 | 0 58 | 6 22 | 16 55 | 2 16 | 2 30 | 10 15 | 13 3 | 6 2 |
| W11 | 2 15 | 16 43 | 2 47 | 7 47 | 1 26 | 16 17 | 0 20 | 21 49 | 1 4 | 22 19 | 0 11 | 7 26 | 2 29 | 23 39 | 0 20 | 10 32 | 0 58 | 6 23 | 16 55 | 2 17 | 2 29 | 10 12 | 13 1 | 6 2 |
| T 12 | 1 51 | 21 54 | 3 48 | 8 25 | 1 34 | 15 59 | 0 23 | 21 43 | 1 5 | 22 18 | 0 11 | 7 28 | 2 29 | 23 39 | 0 20 | 10 31 | 0 58 | 6 23 | 16 56 | 2 17 | 2 28 | 10 8 | 13 0 | 6 2 |
| F 13 | 1 27 | 25 45 | 4 33 | 9 2 | 1 41 | 15 40 | 0 27 | 21 36 | 1 5 | 22 17 | 0 11 | 7 30 | 2 29 | 23 39 | 0 20 | 10 30 | 0 58 | 6 24 | 16 56 | 2 17 | 2 26 | 10 5 | 12 58 | 6 3 |
| S 14 | 1 4 | 28 4 | 5 3 | 9 39 | 1 48 | 15 20 | 0 30 | 21 30 | 1 6 | 22 16 | 0 11 | 7 32 | 2 29 | 23 39 | 0 20 | 10 29 | 0 58 | 6 24 | 16 56 | 2 18 | 2 25 | 10 2 | 12 56 | 6 3 |
| S 15 | 0 40 | 28 49 | 5 16 | 10 15 | 1 55 | 15 1 | 0 33 | 21 23 | 1 7 | 22 15 | 0 11 | 7 33 | 2 29 | 23 39 | 0 20 | 10 29 | 0 58 | 6 25 | 16 56 | 2 18 | 2 24 | 9 59 | 12 54 | 6 4 |
| M16 | 0 17 | 28 4 | 5 14 | 10 50 | 2 2 | 14 40 | 0 36 | 21 16 | 1 8 | 22 14 | 0 11 | 7 35 | 2 29 | 23 38 | 0 20 | 10 28 | 0 58 | 6 25 | 16 56 | 2 18 | 2 23 | 9 55 | 12 52 | 6 4 |
| T 17 | 0s 7 | 25 59 | 4 58 | 11 24 | 2 9 | 14 20 | 0 39 | 21 9 | 1 9 | 22 13 | 0 11 | 7 37 | 2 29 | 23 38 | 0 20 | 10 27 | 0 58 | 6 26 | 16 56 | 2 17 | 2 21 | 9 52 | 12 51 | 6 5 |
| W18 | 0 31 | 22 45 | 4 29 | 11 57 | 2 15 | 13 58 | 0 42 | 21 2 | 1 10 | 22 12 | 0 12 | 7 39 | 2 29 | 23 38 | 0 20 | 10 27 | 0 58 | 6 26 | 16 56 | 2 17 | 2 20 | 9 49 | 12 49 | 6 5 |
| T 19 | 0 55 | 18 37 | 3 49 | 12 29 | 2 21 | 13 37 | 0 45 | 20 55 | 1 11 | 22 11 | 0 12 | 7 40 | 2 29 | 23 38 | 0 20 | 10 26 | 0 58 | 6 26 | 16 57 | 2 17 | 2 19 | 9 46 | 12 47 | 6 6 |
| F 20 | 1 18 | 13 48 | 2 59 | 13 1 | 2 27 | 13 15 | 0 48 | 20 48 | 1 11 | 22 9 | 0 12 | 7 42 | 2 29 | 23 38 | 0 20 | 10 25 | 0 58 | 6 27 | 16 57 | 2 17 | 2 18 | 9 42 | 12 45 | 6 6 |
| S 21 | 1 42 | 8 29 | 2 2 | 13 31 | 2 33 | 12 53 | 0 51 | 20 41 | 1 12 | 22 8 | 0 12 | 7 44 | 2 29 | 23 38 | 0 20 | 10 24 | 0 58 | 6 27 | 16 57 | 2 17 | 2 16 | 9 39 | 12 44 | 6 7 |
| S 22 | 2 6 | 2 52 | 0 59 | 13 59 | 2 39 | 12 30 | 0 54 | 20 33 | 1 13 | 22 7 | 0 12 | 7 45 | 2 29 | 23 38 | 0 20 | 10 24 | 0 58 | 6 28 | 16 57 | 2 17 | 2 15 | 9 36 | 12 42 | 6 7 |
| M23 | 2 29 | 2s54 | 0s 7 | 14 27 | 2 44 | 12 7 | 0 56 | 20 26 | 1 14 | 22 6 | 0 12 | 7 47 | 2 29 | 23 38 | 0 20 | 10 23 | 0 58 | 6 28 | 16 57 | 2 17 | 2 14 | 9 32 | 12 40 | 6 8 |
| T 24 | 2 53 | 8 36 | 1 13 | 14 53 | 2 49 | 11 43 | 0 59 | 20 18 | 1 15 | 22 5 | 0 12 | 7 49 | 2 29 | 23 38 | 0 20 | 10 22 | 0 58 | 6 29 | 16 57 | 2 17 | 2 13 | 9 29 | 12 38 | 6 8 |
| W25 | 3 17 | 14 3 | 2 17 | 15 18 | 2 54 | 11 19 | 1 1 | 20 11 | 1 16 | 22 5 | 0 13 | 7 50 | 2 28 | 23 38 | 0 20 | 10 21 | 0 58 | 6 29 | 16 57 | 2 17 | 2 11 | 9 26 | 12 37 | 6 9 |
| T 26 | 3 40 | 19 2 | 3 15 | 15 41 | 2 58 | 10 55 | 1 4 | 20 3 | 1 17 | 22 4 | 0 13 | 7 52 | 2 28 | 23 38 | 0 20 | 10 21 | 0 58 | 6 30 | 16 57 | 2 16 | 2 10 | 9 23 | 12 35 | 6 9 |
| F 27 | 4 4 | 23 17 | 4 4 | 16 2 | 3 1 | 10 31 | 1 6 | 19 55 | 1 17 | 22 3 | 0 13 | 7 53 | 2 28 | 23 38 | 0 20 | 10 20 | 0 58 | 6 30 | 16 57 | 2 16 | 2 9 | 9 19 | 12 33 | 6 10 |
| S 28 | 4 27 | 26 30 | 4 43 | 16 22 | 3 4 | 10 6 | 1 9 | 19 47 | 1 18 | 22 2 | 0 13 | 7 55 | 2 28 | 23 38 | 0 20 | 10 19 | 0 58 | 6 31 | 16 57 | 2 16 | 2 7 | 9 16 | 12 32 | 6 10 |
| S 29 | 4 51 | 28 25 | 5 8 | 16 40 | 3 7 | 9 41 | 1 11 | 19 39 | 1 19 | 22 1 | 0 13 | 7 56 | 2 28 | 23 38 | 0 20 | 10 19 | 0 59 | 6 31 | 16 57 | 2 16 | 2 6 | 9 13 | 12 30 | 6 11 |
| M30 | 5s14 | 28s45 | 5s17 | 16s55 | 3s 8 | 9n15 | 1n13 | 19n31 | 1n20 | 22n 0 | 0n13 | 7s58 | 2s28 | 23n38 | 0n20 | 10n18 | 0n59 | 6s32 | 16s58 | 2n16 | 2n 5 | 9n 9 | 12n28 | 6s11 |

Julian Day Number = 2127459.5, Delta T = 17m03s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'12, Lahiri = 11°29'12 Julian Calendar 1 Sept. 1112 == Greg. Calendar 8 Sept. 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## OCTOBER 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 4 11 | 14♎11'03 | 18♉36 | 7♏43 | 10♍30 | 9♌ 4 | 21♋54 | 15°R35 | 8♋14 | 5♍55 | 23°R42 | 5°D40 | 5♈10 | 11♍43 | 7♌41 | T 1 |
| W 2 | 1 8 8 | 15°10'48 | 2♒34 | 8°14 | 11°43 | 9°38 | 22° 0 | 15♓31 | 8°15 | 5°57 | 23♈40 | 5♈40 | 5° 7 | 11°49 | 7°45 | W 2 |
| T 3 | 1 12 5 | 16°10'35 | 16°53 | 8°40 | 12°56 | 10°12 | 22° 6 | 15°27 | 8°15 | 5°59 | 23°39 | 5°41 | 5° 3 | 11°56 | 7°50 | T 3 |
| F 4 | 1 16 1 | 17°10'23 | 1♓29 | 8°59 | 14° 9 | 10°45 | 22°12 | 15°24 | 8°15 | 6° 1 | 23°38 | 5°42 | 5° 0 | 12° 3 | 7°54 | F 4 |
| S 5 | 1 19 58 | 18°10'13 | 16°19 | 9°11 | 15°22 | 11°19 | 22°17 | 15°20 | 8°16 | 6° 3 | 23°37 | 5°43 | 4°57 | 12° 9 | 7°58 | S 5 |
| S 6 | 1 23 54 | 19°10'05 | 1♈15 | 9°R17 | 16°35 | 11°52 | 22°23 | 15°17 | 8°16 | 6° 4 | 23°36 | 5°R43 | 4°54 | 12°16 | 8° 2 | S 6 |
| M 7 | 1 27 51 | 20° 9'59 | 16°11 | 9°14 | 17°49 | 12°25 | 22°28 | 15°13 | 8°16 | 6° 6 | 23°35 | 5°43 | 4°51 | 12°23 | 8° 6 | M 7 |
| T 8 | 1 31 47 | 21° 9'55 | 0♉59 | 9° 2 | 19° 2 | 12°59 | 22°33 | 15°10 | 8°R16 | 6° 8 | 23°34 | 5°42 | 4°48 | 12°29 | 8°10 | T 8 |
| W 9 | 1 35 44 | 22° 9'53 | 15°30 | 8°42 | 20°15 | 13°32 | 22°38 | 15° 7 | 8°16 | 6° 9 | 23°33 | 5°40 | 4°44 | 12°36 | 8°14 | W 9 |
| T 10 | 1 39 40 | 23° 9'52 | 29°39 | 8°12 | 21°29 | 14° 5 | 22°43 | 15° 3 | 8°16 | 6°11 | 23°31 | 5°38 | 4°41 | 12°43 | 8°17 | T 10 |
| F 11 | 1 43 37 | 24° 9'55 | 13♊22 | 7°33 | 22°42 | 14°37 | 22°47 | 15° 0 | 8°15 | 6°13 | 23°30 | 5°35 | 4°38 | 12°49 | 8°21 | F 11 |
| S 12 | 1 47 34 | 25° 9'59 | 26°40 | 6°45 | 23°56 | 15°10 | 22°51 | 14°57 | 8°15 | 6°14 | 23°29 | 5°33 | 4°35 | 12°56 | 8°24 | S 12 |
| S 13 | 1 51 30 | 26°10'05 | 9♋32 | 5°48 | 25°10 | 15°43 | 22°56 | 14°54 | 8°15 | 6°16 | 23°28 | 5°31 | 4°32 | 13° 3 | 8°28 | S 13 |
| M14 | 1 55 27 | 27°10'14 | 22° 3 | 4°43 | 26°24 | 16°15 | 23° 0 | 14°52 | 8°15 | 6°18 | 23°27 | 5°D30 | 4°29 | 13° 9 | 8°31 | M14 |
| T 15 | 1 59 23 | 28°10'24 | 4♌15 | 3°32 | 27°37 | 16°48 | 23° 3 | 14°49 | 8°14 | 6°19 | 23°26 | 5°30 | 4°25 | 13°16 | 8°35 | T 15 |
| W16 | 2 3 20 | 29°10'37 | 16°15 | 2°15 | 28°51 | 17°20 | 23° 7 | 14°46 | 8°14 | 6°21 | 23°25 | 5°31 | 4°22 | 13°23 | 8°38 | W16 |
| T 17 | 2 7 16 | 0♏10'52 | 28° 6 | 0°57 | 0♎ 5 | 17°52 | 23°11 | 14°44 | 8°13 | 6°22 | 23°23 | 5°33 | 4°19 | 13°29 | 8°41 | T 17 |
| F 18 | 2 11 13 | 1°11'09 | 9♍53 | 29♎38 | 1°19 | 18°24 | 23°14 | 14°41 | 8°13 | 6°24 | 23°22 | 5°35 | 4°16 | 13°36 | 8°44 | F 18 |
| S 19 | 2 15 9 | 2°11'27 | 21°42 | 28°22 | 2°33 | 18°55 | 23°17 | 14°39 | 8°12 | 6°25 | 23°21 | 5°36 | 4°13 | 13°43 | 8°47 | S 19 |
| S 20 | 2 19 6 | 3°11'48 | 3♎35 | 27°10 | 3°47 | 19°27 | 23°20 | 14°36 | 8°12 | 6°26 | 23°20 | 5°R37 | 4° 9 | 13°49 | 8°49 | S 20 |
| M21 | 2 23 3 | 4°12'11 | 15°36 | 26° 6 | 5° 2 | 19°59 | 23°23 | 14°34 | 8°11 | 6°28 | 23°19 | 5°36 | 4° 6 | 13°56 | 8°52 | M21 |
| T 22 | 2 26 59 | 5°12'35 | 27°48 | 25°10 | 6°16 | 20°30 | 23°25 | 14°32 | 8°10 | 6°29 | 23°18 | 5°35 | 4° 3 | 14° 2 | 8°55 | T 22 |
| W23 | 2 30 56 | 6°13'01 | 10♏11 | 24°25 | 7°30 | 21° 1 | 23°27 | 14°30 | 8°10 | 6°30 | 23°17 | 5°31 | 4° 0 | 14° 9 | 8°57 | W23 |
| T 24 | 2 34 52 | 7°13'29 | 22°48 | 23°51 | 8°44 | 21°32 | 23°30 | 14°28 | 8° 9 | 6°32 | 23°16 | 5°26 | 3°57 | 14°16 | 9° 0 | T 24 |
| F 25 | 2 38 49 | 8°13'58 | 5♐37 | 23°29 | 9°59 | 22° 3 | 23°32 | 14°26 | 8° 8 | 6°33 | 23°15 | 5°21 | 3°54 | 14°22 | 9° 2 | F 25 |
| S 26 | 2 42 45 | 9°14'29 | 18°40 | 23°D19 | 11°13 | 22°34 | 23°33 | 14°25 | 8° 7 | 6°34 | 23°14 | 5°15 | 3°50 | 14°29 | 9° 4 | S 26 |
| S 27 | 2 46 42 | 10°15'02 | 1♑56 | 23°19 | 12°28 | 23° 4 | 23°35 | 14°23 | 8° 6 | 6°36 | 23°12 | 5° 9 | 3°47 | 14°36 | 9° 6 | S 27 |
| M28 | 2 50 38 | 11°15'36 | 15°24 | 23°31 | 13°42 | 23°35 | 23°36 | 14°21 | 8° 5 | 6°37 | 23°11 | 5° 5 | 3°44 | 14°42 | 9° 8 | M28 |
| T 29 | 2 54 35 | 12°16'11 | 29° 5 | 23°52 | 14°57 | 24° 5 | 23°37 | 14°20 | 8° 4 | 6°38 | 23°10 | 5° 3 | 3°41 | 14°49 | 9°10 | T 29 |
| W30 | 2 58 32 | 13°16'47 | 12♒58 | 24°23 | 16°11 | 24°35 | 23°38 | 14°19 | 8° 3 | 6°39 | 23° 9 | 5°D 2 | 3°38 | 14°56 | 9°12 | W30 |
| T 31 | 3 2 28 | 14♏17'25 | 27♒ 3 | 25♎ 2 | 17♎26 | 25♌ 5 | 23♋39 | 14♓17 | 8♋ 1 | 6♍40 | 23♈ 8 | 5♈ 2 | 3♈35 | 15♍ 2 | 9♌14 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s37 | 27s22 | 5s 9 | 17s 8 | 3s 9 | 8n50 | 1n15 | 19n23 | 1n21 | 21n59 | 0n13 | 7s59 | 2s28 | 23n38 | 0n20 | 10n17 | 0n59 | 6s32 | 16s58 | 2n16 | 2n 4 | 9n 6 | 12n27 | 6s12 |
| W 2 | 6 0 | 24 16 | 4 43 | 17 19 | 3 10 | 8 24 | 1 17 | 19 15 | 1 22 | 21 58 | 0 14 | 8 0 | 2 28 | 23 38 | 0 20 | 10 17 | 0 59 | 6 32 | 16 58 | 2 16 | 2 2 | 9 3 | 12 25 | 6 12 |
| T 3 | 6 24 | 19 39 | 3 59 | 17 26 | 3 9 | 7 57 | 1 19 | 19 6 | 1 23 | 21 58 | 0 14 | 8 2 | 2 28 | 23 38 | 0 20 | 10 16 | 0 59 | 6 33 | 16 58 | 2 16 | 2 1 | 8 59 | 12 23 | 6 13 |
| F 4 | 6 47 | 13 47 | 2 59 | 17 31 | 3 7 | 7 31 | 1 21 | 18 58 | 1 24 | 21 57 | 0 14 | 8 3 | 2 28 | 23 38 | 0 20 | 10 15 | 0 59 | 6 33 | 16 58 | 2 16 | 2 0 | 8 56 | 12 22 | 6 14 |
| S 5 | 7 10 | 7 3 | 1 46 | 17 32 | 3 4 | 7 4 | 1 23 | 18 50 | 1 25 | 21 56 | 0 14 | 8 4 | 2 28 | 23 38 | 0 20 | 10 15 | 0 59 | 6 34 | 16 58 | 2 17 | 1 59 | 8 53 | 12 20 | 6 14 |
| S 6 | 7 32 | 0n 7 | 0 25 | 17 30 | 3 0 | 6 37 | 1 25 | 18 41 | 1 26 | 21 55 | 0 14 | 8 6 | 2 27 | 23 38 | 0 20 | 10 14 | 0 59 | 6 34 | 16 58 | 2 17 | 1 57 | 8 49 | 12 19 | 6 15 |
| M 7 | 7 55 | 7 17 | 0n58 | 17 24 | 2 55 | 6 10 | 1 26 | 18 33 | 1 27 | 21 55 | 0 14 | 8 7 | 2 27 | 23 38 | 0 20 | 10 14 | 0 59 | 6 34 | 16 58 | 2 17 | 1 56 | 8 46 | 12 17 | 6 15 |
| T 8 | 8 18 | 13 59 | 2 15 | 17 14 | 2 48 | 5 42 | 1 28 | 18 24 | 1 28 | 21 54 | 0 15 | 8 8 | 2 27 | 23 38 | 0 20 | 10 13 | 0 59 | 6 35 | 16 58 | 2 16 | 1 55 | 8 43 | 12 16 | 6 16 |
| W 9 | 8 40 | 19 47 | 3 23 | 16 59 | 2 39 | 5 15 | 1 29 | 18 15 | 1 28 | 21 53 | 0 15 | 8 9 | 2 27 | 23 38 | 0 20 | 10 12 | 0 59 | 6 35 | 16 58 | 2 16 | 1 54 | 8 40 | 12 14 | 6 16 |
| T 10 | 9 3 | 24 20 | 4 16 | 16 39 | 2 29 | 4 47 | 1 31 | 18 7 | 1 29 | 21 53 | 0 15 | 8 10 | 2 27 | 23 38 | 0 20 | 10 12 | 0 59 | 6 36 | 16 58 | 2 15 | 1 52 | 8 36 | 12 13 | 6 17 |
| F 11 | 9 25 | 27 21 | 4 52 | 16 15 | 2 17 | 4 19 | 1 32 | 17 58 | 1 30 | 21 52 | 0 15 | 8 11 | 2 27 | 23 38 | 0 21 | 10 11 | 0 59 | 6 36 | 16 58 | 2 14 | 1 51 | 8 33 | 12 11 | 6 18 |
| S 12 | 9 47 | 28 43 | 5 12 | 15 46 | 2 3 | 3 51 | 1 33 | 17 49 | 1 31 | 21 52 | 0 15 | 8 12 | 2 27 | 23 38 | 0 21 | 10 11 | 0 59 | 6 36 | 16 58 | 2 13 | 1 50 | 8 30 | 12 10 | 6 18 |
| S 13 | 10 9 | 28 27 | 5 15 | 15 13 | 1 48 | 3 22 | 1 34 | 17 40 | 1 32 | 21 51 | 0 15 | 8 13 | 2 27 | 23 38 | 0 21 | 10 10 | 0 59 | 6 37 | 16 58 | 2 12 | 1 49 | 8 26 | 12 8 | 6 19 |
| M14 | 10 31 | 26 43 | 5 3 | 14 35 | 1 31 | 2 54 | 1 35 | 17 32 | 1 33 | 21 51 | 0 16 | 8 14 | 2 26 | 23 38 | 0 21 | 10 10 | 0 59 | 6 37 | 16 58 | 2 12 | 1 47 | 8 23 | 12 7 | 6 19 |
| T 15 | 10 53 | 23 46 | 4 37 | 13 53 | 1 12 | 2 25 | 1 36 | 17 23 | 1 34 | 21 50 | 0 16 | 8 15 | 2 26 | 23 39 | 0 21 | 10 9 | 0 59 | 6 38 | 16 58 | 2 12 | 1 46 | 8 20 | 12 5 | 6 20 |
| W16 | 11 14 | 19 51 | 3 59 | 13 8 | 0 52 | 1 57 | 1 37 | 17 14 | 1 35 | 21 50 | 0 16 | 8 16 | 2 26 | 23 39 | 0 21 | 10 9 | 0 59 | 6 38 | 16 57 | 2 12 | 1 45 | 8 16 | 12 4 | 6 21 |
| T 17 | 11 35 | 15 12 | 3 12 | 12 22 | 0 32 | 1 28 | 1 38 | 17 5 | 1 36 | 21 49 | 0 16 | 8 17 | 2 26 | 23 39 | 0 21 | 10 8 | 0 59 | 6 38 | 16 57 | 2 13 | 1 43 | 8 13 | 12 2 | 6 21 |
| F 18 | 11 57 | 10 0 | 2 17 | 11 34 | 0 11 | 0 59 | 1 39 | 16 56 | 1 37 | 21 49 | 0 16 | 8 18 | 2 26 | 23 39 | 0 21 | 10 7 | 0 59 | 6 39 | 16 57 | 2 14 | 1 42 | 8 10 | 12 1 | 6 22 |
| S 19 | 12 18 | 4 28 | 1 16 | 10 48 | 0n 9 | 0 30 | 1 39 | 16 47 | 1 38 | 21 48 | 0 16 | 8 19 | 2 26 | 23 39 | 0 21 | 10 7 | 0 59 | 6 39 | 16 57 | 2 14 | 1 41 | 8 6 | 12 0 | 6 23 |
| S 20 | 12 38 | 1s16 | 0 11 | 10 4 | 0 29 | 0 1 | 1 40 | 16 38 | 1 39 | 21 48 | 0 17 | 8 19 | 2 25 | 23 39 | 0 21 | 10 7 | 0 59 | 6 39 | 16 57 | 2 14 | 1 40 | 8 3 | 11 58 | 6 23 |
| M21 | 12 59 | 7 1 | 0s55 | 9 23 | 0 48 | 0s28 | 1 41 | 16 29 | 1 40 | 21 48 | 0 17 | 8 20 | 2 25 | 23 39 | 0 21 | 10 6 | 0 59 | 6 40 | 16 57 | 2 14 | 1 38 | 8 0 | 11 57 | 6 24 |
| T 22 | 13 19 | 12 35 | 1 59 | 8 46 | 1 6 | 0 57 | 1 41 | 16 20 | 1 41 | 21 48 | 0 17 | 8 21 | 2 25 | 23 39 | 0 21 | 10 6 | 0 59 | 6 40 | 16 57 | 2 14 | 1 37 | 7 56 | 11 56 | 6 25 |
| W23 | 13 40 | 17 46 | 2 58 | 8 15 | 1 22 | 1 26 | 1 41 | 16 11 | 1 42 | 21 47 | 0 17 | 8 21 | 2 25 | 23 39 | 0 21 | 10 5 | 0 59 | 6 40 | 16 57 | 2 12 | 1 36 | 7 53 | 11 55 | 6 25 |
| T 24 | 13 59 | 22 16 | 3 50 | 7 49 | 1 36 | 1 56 | 1 42 | 16 1 | 1 43 | 21 47 | 0 17 | 8 22 | 2 25 | 23 39 | 0 21 | 10 5 | 0 59 | 6 40 | 16 57 | 2 10 | 1 35 | 7 49 | 11 53 | 6 26 |
| F 25 | 14 19 | 25 47 | 4 31 | 7 29 | 1 48 | 2 25 | 1 42 | 15 52 | 1 44 | 21 47 | 0 17 | 8 23 | 2 25 | 23 39 | 0 21 | 10 4 | 0 59 | 6 41 | 16 57 | 2 8 | 1 33 | 7 46 | 11 52 | 6 26 |
| S 26 | 14 39 | 28 2 | 4 58 | 7 16 | 1 58 | 2 54 | 1 42 | 15 43 | 1 45 | 21 47 | 0 18 | 8 23 | 2 24 | 23 39 | 0 21 | 10 4 | 0 59 | 6 41 | 16 57 | 2 6 | 1 32 | 7 43 | 11 51 | 6 27 |
| S 27 | 14 58 | 28 43 | 5 11 | 7 8 | 2 7 | 3 23 | 1 42 | 15 34 | 1 46 | 21 47 | 0 18 | 8 24 | 2 24 | 23 39 | 0 21 | 10 3 | 0 59 | 6 41 | 16 57 | 2 3 | 1 31 | 7 39 | 11 50 | 6 28 |
| M28 | 15 17 | 27 44 | 5 6 | 7 7 | 2 13 | 3 52 | 1 42 | 15 25 | 1 48 | 21 47 | 0 18 | 8 24 | 2 24 | 23 39 | 0 21 | 10 3 | 1 0 | 6 42 | 16 56 | 2 2 | 1 29 | 7 36 | 11 49 | 6 28 |
| T 29 | 15 36 | 25 5 | 4 44 | 7 10 | 2 18 | 4 21 | 1 42 | 15 16 | 1 49 | 21 47 | 0 18 | 8 24 | 2 24 | 23 40 | 0 21 | 10 3 | 1 0 | 6 42 | 16 56 | 2 1 | 1 28 | 7 33 | 11 47 | 6 29 |
| W30 | 15 54 | 20 56 | 4 6 | 7 18 | 2 22 | 4 50 | 1 41 | 15 7 | 1 50 | 21 47 | 0 18 | 8 25 | 2 24 | 23 40 | 0 21 | 10 2 | 1 0 | 6 42 | 16 56 | 2 1 | 1 27 | 7 29 | 11 46 | 6 30 |
| T 31 | 16s12 | 15s34 | 3s12 | 7s31 | 2n24 | 5s19 | 1n41 | 14n58 | 1n51 | 21n47 | 0n19 | 8s25 | 2s23 | 23n40 | 0n21 | 10n 2 | 1n 0 | 6s42 | 16s56 | 2n 1 | 1n26 | 7n26 | 11n45 | 6s30 |

Julian Day Number = 2127489.5, Delta T = 17m02s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'16, Lahiri = 11°29'16 Julian Calendar 1 Oct. 1112 == Greg. Calendar 8 Oct. 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## NOVEMBER 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 6 25 | 15♏18'03 | 11♓18 | 25♎48 | 18♎40 | 25♌34 | 23♋40 | 14°R16 | 8°R 0 | 6♍41 | 23°R 7 | 5♈ 4 | 3♈31 | 15♍ 9 | 9♌15 | F 1 |
| S 2 | 3 10 21 | 16°18'43 | 25°42 | 26°41 | 19°55 | 26° 4 | 23°40 | 14♓15 | 7♋59 | 6°42 | 23♈ 6 | 5° 5 | 3°28 | 15°16 | 9°17 | S 2 |
| S 3 | 3 14 18 | 17°19'24 | 10♈13 | 27°40 | 21°10 | 26°33 | 23°R40 | 14°15 | 7°58 | 6°43 | 23° 5 | 5°R 5 | 3°25 | 15°22 | 9°18 | S 3 |
| M 4 | 3 18 14 | 18°20'06 | 24°44 | 28°43 | 22°24 | 27° 2 | 23°40 | 14°14 | 7°56 | 6°44 | 23° 4 | 5° 4 | 3°22 | 15°29 | 9°19 | M 4 |
| T 5 | 3 22 11 | 19°20'50 | 9♉12 | 29°51 | 23°39 | 27°31 | 23°40 | 14°13 | 7°55 | 6°45 | 23° 3 | 5° 0 | 3°19 | 15°36 | 9°20 | T 5 |
| W 6 | 3 26 7 | 20°21'34 | 23°29 | 1♏ 3 | 24°54 | 28° 0 | 23°40 | 14°12 | 7°53 | 6°46 | 23° 2 | 4°54 | 3°15 | 15°42 | 9°22 | W 6 |
| T 7 | 3 30 4 | 21°22'20 | 7♊31 | 2°17 | 26° 9 | 28°29 | 23°39 | 14°12 | 7°52 | 6°47 | 23° 1 | 4°46 | 3°12 | 15°49 | 9°23 | T 7 |
| F 8 | 3 34 1 | 22°23'08 | 21°12 | 3°35 | 27°23 | 28°57 | 23°38 | 14°12 | 7°50 | 6°48 | 23° 0 | 4°38 | 3° 9 | 15°56 | 9°23 | F 8 |
| S 9 | 3 37 57 | 23°23'57 | 4♋31 | 4°54 | 28°38 | 29°25 | 23°37 | 14°11 | 7°49 | 6°49 | 22°59 | 4°30 | 3° 6 | 16° 2 | 9°24 | S 9 |
| S 10 | 3 41 54 | 24°24'47 | 17°26 | 6°16 | 29°53 | 29°53 | 23°36 | 14°11 | 7°47 | 6°49 | 22°58 | 4°23 | 3° 3 | 16° 9 | 9°25 | S 10 |
| M11 | 3 45 50 | 25°25'39 | 29°59 | 7°40 | 1♏ 8 | 0♍21 | 23°35 | 14°D11 | 7°45 | 6°50 | 22°57 | 4°17 | 3° 0 | 16°16 | 9°25 | M11 |
| T 12 | 3 49 47 | 26°26'32 | 12♌14 | 9° 5 | 2°23 | 0°48 | 23°33 | 14°11 | 7°44 | 6°51 | 22°56 | 4°14 | 2°56 | 16°22 | 9°26 | T 12 |
| W13 | 3 53 43 | 27°27'27 | 24°15 | 10°31 | 3°38 | 1°16 | 23°31 | 14°12 | 7°42 | 6°52 | 22°55 | 4°D12 | 2°53 | 16°29 | 9°26 | W13 |
| T 14 | 3 57 40 | 28°28'23 | 6♍ 6 | 11°58 | 4°53 | 1°43 | 23°29 | 14°12 | 7°40 | 6°52 | 22°55 | 4°13 | 2°50 | 16°35 | 9°26 | T 14 |
| F 15 | 4 1 36 | 29°29'20 | 17°54 | 13°26 | 6° 8 | 2°10 | 23°27 | 14°12 | 7°38 | 6°53 | 22°54 | 4°14 | 2°47 | 16°42 | 9°R26 | F 15 |
| S 16 | 4 5 33 | 0♐30'18 | 29°43 | 14°54 | 7°23 | 2°36 | 23°25 | 14°13 | 7°36 | 6°53 | 22°53 | 4°R15 | 2°44 | 16°49 | 9°26 | S 16 |
| S 17 | 4 9 30 | 1°31'18 | 11♎39 | 16°24 | 8°38 | 3° 3 | 23°22 | 14°13 | 7°34 | 6°54 | 22°52 | 4°14 | 2°41 | 16°55 | 9°26 | S 17 |
| M18 | 4 13 26 | 2°32'19 | 23°46 | 17°54 | 9°53 | 3°29 | 23°20 | 14°14 | 7°32 | 6°54 | 22°51 | 4°12 | 2°37 | 17° 2 | 9°26 | M18 |
| T 19 | 4 17 23 | 3°33'20 | 6♏ 7 | 19°24 | 11° 8 | 3°55 | 23°17 | 14°15 | 7°30 | 6°55 | 22°50 | 4° 8 | 2°34 | 17° 9 | 9°26 | T 19 |
| W20 | 4 21 19 | 4°34'23 | 18°46 | 20°55 | 12°23 | 4°20 | 23°14 | 14°16 | 7°28 | 6°55 | 22°49 | 4° 0 | 2°31 | 17°15 | 9°25 | W20 |
| T 21 | 4 25 16 | 5°35'27 | 1♐42 | 22°26 | 13°39 | 4°46 | 23°10 | 14°17 | 7°26 | 6°56 | 22°49 | 3°51 | 2°28 | 17°22 | 9°25 | T 21 |
| F 22 | 4 29 12 | 6°36'32 | 14°55 | 23°57 | 14°54 | 5°11 | 23° 7 | 14°18 | 7°24 | 6°56 | 22°48 | 3°40 | 2°25 | 17°29 | 9°24 | F 22 |
| S 23 | 4 33 9 | 7°37'38 | 28°23 | 25°29 | 16° 9 | 5°35 | 23° 3 | 14°19 | 7°22 | 6°57 | 22°47 | 3°28 | 2°21 | 17°35 | 9°23 | S 23 |
| S 24 | 4 37 5 | 8°38'44 | 12♑ 4 | 27° 0 | 17°24 | 6° 0 | 22°59 | 14°21 | 7°20 | 6°57 | 22°46 | 3°17 | 2°18 | 17°42 | 9°22 | S 24 |
| M25 | 4 41 2 | 9°39'51 | 25°55 | 28°33 | 18°39 | 6°24 | 22°55 | 14°22 | 7°18 | 6°57 | 22°46 | 3° 8 | 2°15 | 17°49 | 9°22 | M25 |
| T 26 | 4 44 59 | 10°40'59 | 9♒51 | 0♐ 5 | 19°55 | 6°48 | 22°51 | 14°24 | 7°15 | 6°57 | 22°45 | 3° 2 | 2°12 | 17°55 | 9°20 | T 26 |
| W27 | 4 48 55 | 11°42'06 | 23°52 | 1°37 | 21°10 | 7°12 | 22°46 | 14°26 | 7°13 | 6°58 | 22°44 | 2°58 | 2° 9 | 18° 2 | 9°19 | W27 |
| T 28 | 4 52 52 | 12°43'14 | 7♓56 | 3°10 | 22°25 | 7°35 | 22°42 | 14°27 | 7°11 | 6°58 | 22°44 | 2°D57 | 2° 6 | 18° 9 | 9°18 | T 28 |
| F 29 | 4 56 48 | 13°44'22 | 22° 1 | 4°42 | 23°40 | 7°58 | 22°37 | 14°29 | 7° 9 | 6°58 | 22°43 | 2°57 | 2° 2 | 18°15 | 9°17 | F 29 |
| S 30 | 5 0 45 | 14♐45'30 | 6♈ 7 | 6♐15 | 24♏55 | 8♍21 | 22♋32 | 14♓31 | 7♋ 6 | 6♍58 | 22♈42 | 2°R57 | 1♈59 | 18♍22 | 9♌15 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s30 | 9s18 | 2s 6 | 7s47 | 2n24 | 5s48 | 1n41 | 14n49 | 1n52 | 21n47 | 0n19 | 8s25 | 2s23 | 23n40 | 0n21 | 10n 1 | 1n 0 | 6s43 | 16s56 | 2n 1 | 1n24 | 7n23 | 11n44 | 6s31 |
| S 2 | 16 48 | 2 29 | 0 51 | 8 6 | 2 24 | 6 17 | 1 40 | 14 40 | 1 53 | 21 47 | 0 19 | 8 25 | 2 23 | 23 40 | 0 21 | 10 1 | 1 0 | 6 43 | 16 56 | 2 2 | 1 23 | 7 19 | 11 43 | 6 32 |
| S 3 | 17 5 | 4n29 | 0n28 | 8 28 | 2 23 | 6 45 | 1 40 | 14 31 | 1 54 | 21 47 | 0 19 | 8 26 | 2 23 | 23 40 | 0 21 | 10 1 | 1 0 | 6 43 | 16 56 | 2 2 | 1 22 | 7 16 | 11 42 | 6 32 |
| M 4 | 17 22 | 11 15 | 1 44 | 8 53 | 2 20 | 7 14 | 1 39 | 14 22 | 1 55 | 21 47 | 0 19 | 8 26 | 2 23 | 23 40 | 0 21 | 10 0 | 1 0 | 6 43 | 16 55 | 2 1 | 1 21 | 7 13 | 11 41 | 6 33 |
| T 5 | 17 39 | 17 22 | 2 54 | 9 20 | 2 17 | 7 42 | 1 39 | 14 13 | 1 56 | 21 47 | 0 19 | 8 26 | 2 22 | 23 40 | 0 21 | 10 0 | 1 0 | 6 43 | 16 55 | 2 0 | 1 19 | 7 9 | 11 40 | 6 34 |
| W 6 | 17 55 | 22 28 | 3 51 | 9 48 | 2 14 | 8 10 | 1 38 | 14 4 | 1 57 | 21 48 | 0 20 | 8 26 | 2 22 | 23 40 | 0 21 | 10 0 | 1 0 | 6 44 | 16 55 | 1 57 | 1 18 | 7 6 | 11 39 | 6 34 |
| T 7 | 18 12 | 26 10 | 4 34 | 10 18 | 2 9 | 8 38 | 1 37 | 13 55 | 1 59 | 21 48 | 0 20 | 8 26 | 2 22 | 23 41 | 0 21 | 10 0 | 1 0 | 6 44 | 16 55 | 1 54 | 1 17 | 7 2 | 11 38 | 6 35 |
| F 8 | 18 27 | 28 14 | 4 59 | 10 49 | 2 4 | 9 6 | 1 36 | 13 46 | 2 0 | 21 48 | 0 20 | 8 26 | 2 22 | 23 41 | 0 21 | 9 59 | 1 0 | 6 44 | 16 55 | 1 51 | 1 16 | 6 59 | 11 38 | 6 36 |
| S 9 | 18 43 | 28 36 | 5 7 | 11 21 | 1 59 | 9 34 | 1 35 | 13 37 | 2 1 | 21 49 | 0 20 | 8 26 | 2 22 | 23 41 | 0 21 | 9 59 | 1 0 | 6 44 | 16 54 | 1 48 | 1 14 | 6 56 | 11 37 | 6 37 |
| S 10 | 18 58 | 27 22 | 5 0 | 11 54 | 1 53 | 10 1 | 1 34 | 13 28 | 2 2 | 21 49 | 0 20 | 8 25 | 2 21 | 23 41 | 0 21 | 9 59 | 1 0 | 6 44 | 16 54 | 1 45 | 1 13 | 6 52 | 11 36 | 6 37 |
| M11 | 19 13 | 24 46 | 4 37 | 12 26 | 1 47 | 10 28 | 1 33 | 13 19 | 2 3 | 21 49 | 0 21 | 8 25 | 2 21 | 23 41 | 0 21 | 9 58 | 1 0 | 6 44 | 16 54 | 1 43 | 1 12 | 6 49 | 11 35 | 6 38 |
| T 12 | 19 27 | 21 6 | 4 3 | 13 0 | 1 41 | 10 55 | 1 32 | 13 11 | 2 4 | 21 50 | 0 21 | 8 25 | 2 21 | 23 41 | 0 21 | 9 58 | 1 0 | 6 45 | 16 54 | 1 41 | 1 10 | 6 46 | 11 34 | 6 39 |
| W13 | 19 41 | 16 37 | 3 18 | 13 33 | 1 35 | 11 22 | 1 31 | 13 2 | 2 6 | 21 50 | 0 21 | 8 25 | 2 21 | 23 41 | 0 21 | 9 58 | 1 0 | 6 45 | 16 54 | 1 41 | 1 9 | 6 42 | 11 34 | 6 39 |
| T 14 | 19 55 | 11 34 | 2 25 | 14 6 | 1 28 | 11 48 | 1 30 | 12 53 | 2 7 | 21 51 | 0 21 | 8 24 | 2 21 | 23 41 | 0 21 | 9 58 | 1 0 | 6 45 | 16 53 | 1 41 | 1 8 | 6 39 | 11 33 | 6 40 |
| F 15 | 20 8 | 6 8 | 1 27 | 14 39 | 1 21 | 12 15 | 1 28 | 12 45 | 2 8 | 21 51 | 0 21 | 8 24 | 2 20 | 23 41 | 0 21 | 9 58 | 1 0 | 6 45 | 16 53 | 1 41 | 1 7 | 6 35 | 11 32 | 6 41 |
| S 16 | 20 21 | 0 29 | 0 24 | 15 12 | 1 14 | 12 41 | 1 27 | 12 36 | 2 9 | 21 52 | 0 21 | 8 24 | 2 20 | 23 42 | 0 21 | 9 57 | 1 0 | 6 45 | 16 53 | 1 42 | 1 5 | 6 32 | 11 32 | 6 41 |
| S 17 | 20 34 | 5s14 | 0s40 | 15 45 | 1 7 | 13 6 | 1 25 | 12 28 | 2 11 | 21 53 | 0 22 | 8 23 | 2 20 | 23 42 | 0 21 | 9 57 | 1 0 | 6 45 | 16 53 | 1 42 | 1 4 | 6 29 | 11 31 | 6 42 |
| M18 | 20 46 | 10 51 | 1 43 | 16 17 | 1 0 | 13 31 | 1 24 | 12 20 | 2 12 | 21 53 | 0 22 | 8 23 | 2 20 | 23 42 | 0 21 | 9 57 | 1 0 | 6 45 | 16 53 | 1 41 | 1 3 | 6 25 | 11 30 | 6 43 |
| T 19 | 20 58 | 16 10 | 2 42 | 16 49 | 0 53 | 13 56 | 1 22 | 12 11 | 2 13 | 21 54 | 0 22 | 8 22 | 2 20 | 23 42 | 0 21 | 9 57 | 1 0 | 6 45 | 16 52 | 1 39 | 1 2 | 6 22 | 11 30 | 6 43 |
| W20 | 21 9 | 20 55 | 3 34 | 17 20 | 0 46 | 14 21 | 1 21 | 12 3 | 2 14 | 21 55 | 0 22 | 8 22 | 2 19 | 23 42 | 0 22 | 9 57 | 1 1 | 6 45 | 16 52 | 1 36 | 1 0 | 6 18 | 11 29 | 6 44 |
| T 21 | 21 21 | 24 48 | 4 17 | 17 51 | 0 39 | 14 45 | 1 19 | 11 55 | 2 16 | 21 55 | 0 22 | 8 21 | 2 19 | 23 42 | 0 22 | 9 57 | 1 1 | 6 45 | 16 52 | 1 32 | 0 59 | 6 15 | 11 29 | 6 44 |
| F 22 | 21 31 | 27 27 | 4 47 | 18 21 | 0 31 | 15 9 | 1 17 | 11 47 | 2 17 | 21 56 | 0 23 | 8 20 | 2 19 | 23 42 | 0 22 | 9 57 | 1 1 | 6 45 | 16 52 | 1 28 | 0 58 | 6 12 | 11 28 | 6 45 |
| S 23 | 21 41 | 28 34 | 5 2 | 18 50 | 0 24 | 15 33 | 1 16 | 11 39 | 2 18 | 21 57 | 0 23 | 8 20 | 2 19 | 23 43 | 0 22 | 9 57 | 1 1 | 6 45 | 16 51 | 1 23 | 0 57 | 6 8 | 11 28 | 6 46 |
| S 24 | 21 51 | 27 58 | 4 59 | 19 18 | 0 17 | 15 56 | 1 14 | 11 31 | 2 20 | 21 58 | 0 23 | 8 19 | 2 18 | 23 43 | 0 22 | 9 56 | 1 1 | 6 45 | 16 51 | 1 19 | 0 55 | 6 5 | 11 28 | 6 46 |
| M25 | 22 1 | 25 39 | 4 40 | 19 46 | 0 10 | 16 19 | 1 12 | 11 23 | 2 21 | 21 59 | 0 23 | 8 18 | 2 18 | 23 43 | 0 22 | 9 56 | 1 1 | 6 45 | 16 51 | 1 15 | 0 54 | 6 1 | 11 27 | 6 47 |
| T 26 | 22 9 | 21 46 | 4 3 | 20 13 | 0 3 | 16 41 | 1 10 | 11 15 | 2 22 | 22 0 | 0 23 | 8 17 | 2 18 | 23 43 | 0 22 | 9 56 | 1 1 | 6 45 | 16 50 | 1 13 | 0 53 | 5 58 | 11 27 | 6 48 |
| W27 | 22 18 | 16 39 | 3 12 | 20 39 | 0s 4 | 17 3 | 1 8 | 11 8 | 2 24 | 22 1 | 0 24 | 8 17 | 2 18 | 23 43 | 0 22 | 9 56 | 1 1 | 6 45 | 16 50 | 1 11 | 0 51 | 5 55 | 11 27 | 6 48 |
| T 28 | 22 26 | 10 38 | 2 9 | 21 4 | 0 11 | 17 24 | 1 6 | 11 0 | 2 25 | 22 2 | 0 24 | 8 16 | 2 18 | 23 43 | 0 22 | 9 56 | 1 1 | 6 45 | 16 50 | 1 11 | 0 50 | 5 51 | 11 26 | 6 49 |
| F 29 | 22 34 | 4 4 | 0 58 | 21 28 | 0 18 | 17 45 | 1 4 | 10 53 | 2 26 | 22 3 | 0 24 | 8 15 | 2 17 | 23 43 | 0 22 | 9 56 | 1 1 | 6 45 | 16 50 | 1 11 | 0 49 | 5 48 | 11 26 | 6 49 |
| S 30 | 22s41 | 2n42 | 0n17 | 21s51 | 0s24 | 18s 5 | 1n 2 | 10n46 | 2n28 | 22n 4 | 0n24 | 8s14 | 2s17 | 23n44 | 0n22 | 9n56 | 1n 1 | 6s45 | 16s49 | 1n11 | 0n48 | 5n44 | 11n26 | 6s50 |

Julian Day Number = 2127520.5, Delta T = 17m02s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'20, Lahiri = 11°29'20 Julian Calendar 1 Nov. 1112 == Greg. Calendar 8 Nov. 1112


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# ASTRODIENST EPHEMERIS for the year 1112
# geocentric

## DECEMBER 1112 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 4 41 | 15♐46'39 | 20♈12 | 7♐48 | 26♏11 | 8♍43 | 22°R27 | 14♓34 | 7°R 4 | 6♍58 | 22°R42 | 2°R56 | 1♈56 | 18♍29 | 9°R14 | S 1 |
| M 2 | 5 8 38 | 16°47'47 | 4♉16 | 9°22 | 27°26 | 9° 5 | 22♋22 | 14°36 | 7♋ 2 | 6°58 | 22♈41 | 2♈53 | 1°53 | 18°35 | 9♌12 | M 2 |
| T 3 | 5 12 35 | 17°48'56 | 18°16 | 10°55 | 28°41 | 9°27 | 22°16 | 14°38 | 6°59 | 6°R58 | 22°40 | 2°46 | 1°50 | 18°42 | 9°10 | T 3 |
| W 4 | 5 16 31 | 18°50'05 | 2♊ 9 | 12°29 | 29°56 | 9°48 | 22°11 | 14°41 | 6°57 | 6°58 | 22°40 | 2°37 | 1°47 | 18°48 | 9° 8 | W 4 |
| T 5 | 5 20 28 | 19°51'15 | 15°50 | 14° 3 | 1♐12 | 10°10 | 22° 5 | 14°43 | 6°54 | 6°58 | 22°39 | 2°25 | 1°43 | 18°55 | 9° 6 | T 5 |
| F 6 | 5 24 24 | 20°52'25 | 29°16 | 15°37 | 2°27 | 10°30 | 21°59 | 14°46 | 6°52 | 6°58 | 22°39 | 2°12 | 1°40 | 19° 2 | 9° 4 | F 6 |
| S 7 | 5 28 21 | 21°53'35 | 12♋24 | 17°11 | 3°42 | 10°51 | 21°53 | 14°49 | 6°49 | 6°58 | 22°38 | 1°59 | 1°37 | 19° 8 | 9° 2 | S 7 |
| S 8 | 5 32 17 | 22°54'45 | 25°14 | 18°46 | 4°57 | 11°10 | 21°47 | 14°51 | 6°47 | 6°58 | 22°38 | 1°47 | 1°34 | 19°15 | 9° 0 | S 8 |
| M 9 | 5 36 14 | 23°55'56 | 7♌45 | 20°20 | 6°13 | 11°30 | 21°41 | 14°54 | 6°44 | 6°57 | 22°37 | 1°37 | 1°31 | 19°22 | 8°57 | M 9 |
| T 10 | 5 40 10 | 24°57'07 | 19°59 | 21°56 | 7°28 | 11°49 | 21°34 | 14°57 | 6°42 | 6°57 | 22°37 | 1°30 | 1°27 | 19°28 | 8°55 | T 10 |
| W11 | 5 44 7 | 25°58'18 | 2♍ 0 | 23°31 | 8°43 | 12° 8 | 21°28 | 15° 0 | 6°39 | 6°57 | 22°36 | 1°26 | 1°24 | 19°35 | 8°52 | W11 |
| T 12 | 5 48 4 | 26°59'30 | 13°52 | 25° 7 | 9°59 | 12°26 | 21°21 | 15° 4 | 6°37 | 6°57 | 22°36 | 1°24 | 1°21 | 19°42 | 8°50 | T 12 |
| F 13 | 5 52 0 | 28° 0'41 | 25°39 | 26°43 | 11°14 | 12°44 | 21°14 | 15° 7 | 6°34 | 6°56 | 22°36 | 1°23 | 1°18 | 19°48 | 8°47 | F 13 |
| S 14 | 5 55 57 | 29° 1'53 | 7♎28 | 28°19 | 12°29 | 13° 2 | 21° 7 | 15°10 | 6°32 | 6°56 | 22°35 | 1°23 | 1°15 | 19°55 | 8°44 | S 14 |
| S 15 | 5 59 53 | 0♏ 3'06 | 19°24 | 29°56 | 13°45 | 13°19 | 21° 0 | 15°14 | 6°29 | 6°56 | 22°35 | 1°22 | 1°12 | 20° 2 | 8°41 | S 15 |
| M16 | 6 3 50 | 1° 4'18 | 1♏33 | 1♏33 | 15° 0 | 13°36 | 20°53 | 15°18 | 6°27 | 6°55 | 22°34 | 1°20 | 1° 8 | 20° 8 | 8°38 | M16 |
| T 17 | 6 7 46 | 2° 5'31 | 13°59 | 3°11 | 16°15 | 13°52 | 20°46 | 15°21 | 6°24 | 6°55 | 22°34 | 1°15 | 1° 5 | 20°15 | 8°35 | T 17 |
| W18 | 6 11 43 | 3° 6'43 | 26°46 | 4°49 | 17°31 | 14° 7 | 20°39 | 15°25 | 6°21 | 6°54 | 22°34 | 1° 6 | 1° 2 | 20°22 | 8°32 | W18 |
| T 19 | 6 15 39 | 4° 7'56 | 9♐55 | 6°27 | 18°46 | 14°23 | 20°31 | 15°29 | 6°19 | 6°54 | 22°34 | 0°56 | 0°59 | 20°28 | 8°29 | T 19 |
| F 20 | 6 19 36 | 5° 9'09 | 23°27 | 8° 6 | 20° 1 | 14°37 | 20°24 | 15°33 | 6°16 | 6°53 | 22°33 | 0°43 | 0°56 | 20°35 | 8°26 | F 20 |
| S 21 | 6 23 33 | 6°10'21 | 7♑19 | 9°45 | 21°17 | 14°52 | 20°16 | 15°37 | 6°14 | 6°52 | 22°33 | 0°30 | 0°53 | 20°42 | 8°22 | S 21 |
| S 22 | 6 27 29 | 7°11'33 | 21°28 | 11°25 | 22°32 | 15° 5 | 20° 8 | 15°41 | 6°11 | 6°52 | 22°33 | 0°18 | 0°49 | 20°48 | 8°19 | S 22 |
| M23 | 6 31 26 | 8°12'45 | 5♒46 | 13° 5 | 23°47 | 15°19 | 20° 1 | 15°45 | 6° 8 | 6°51 | 22°33 | 0° 7 | 0°46 | 20°55 | 8°16 | M23 |
| T 24 | 6 35 22 | 9°13'56 | 20° 9 | 14°45 | 25° 3 | 15°31 | 19°53 | 15°50 | 6° 6 | 6°50 | 22°33 | 29♓59 | 0°43 | 21° 1 | 8°12 | T 24 |
| W25 | 6 39 19 | 10°15'06 | 4♓31 | 16°26 | 26°18 | 15°43 | 19°45 | 15°54 | 6° 3 | 6°50 | 22°32 | 29°55 | 0°40 | 21° 8 | 8° 8 | W25 |
| T 26 | 6 43 15 | 11°16'16 | 18°49 | 18° 7 | 27°33 | 15°55 | 19°37 | 15°59 | 6° 1 | 6°49 | 22°32 | 29°53 | 0°37 | 21°15 | 8° 5 | T 26 |
| F 27 | 6 47 12 | 12°17'24 | 2♈59 | 19°48 | 28°49 | 16° 6 | 19°29 | 16° 3 | 5°58 | 6°48 | 22°32 | 29°D53 | 0°33 | 21°21 | 8° 1 | F 27 |
| S 28 | 6 51 9 | 13°18'32 | 17° 1 | 21°30 | 0♏ 4 | 16°16 | 19°21 | 16° 8 | 5°55 | 6°47 | 22°32 | 29°R53 | 0°30 | 21°28 | 7°57 | S 28 |
| S 29 | 6 55 5 | 14°19'39 | 0♉54 | 23°12 | 1°19 | 16°26 | 19°13 | 16°13 | 5°53 | 6°46 | 22°32 | 29°52 | 0°27 | 21°35 | 7°53 | S 29 |
| M30 | 6 59 2 | 15°20'45 | 14°39 | 24°54 | 2°35 | 16°35 | 19° 5 | 16°18 | 5°50 | 6°46 | 22°32 | 29°49 | 0°24 | 21°41 | 7°49 | M30 |
| T 31 | 7 2 58 | 16♏21'50 | 28♉14 | 26♏36 | 3♏50 | 16♍44 | 18♋57 | 16♓22 | 5♋48 | 6♍45 | 22°D32 | 29♓43 | 0♈21 | 21♍48 | 7♌45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s48 | 9n20 | 1n30 | 22s13 | 0s31 | 18s25 | 1n 0 | 10n38 | 2n29 | 22n 5 | 0n24 | 8s13 | 2s17 | 23n44 | 0n22 | 9n56 | 1n 1 | 6s45 | 16s49 | 1n10 | 0n46 | 5n41 | 11n26 | 6s51 |
| M 2 | 22 54 | 15 29 | 2 38 | 22 34 | 0 37 | 18 45 | 0 58 | 10 31 | 2 31 | 22 6 | 0 24 | 8 12 | 2 17 | 23 44 | 0 22 | 9 56 | 1 1 | 6 45 | 16 49 | 1 9 | 0 45 | 5 38 | 11 26 | 6 51 |
| T 3 | 23 0 | 20 48 | 3 35 | 22 54 | 0 43 | 19 4 | 0 55 | 10 24 | 2 32 | 22 7 | 0 25 | 8 11 | 2 17 | 23 44 | 0 22 | 9 56 | 1 1 | 6 45 | 16 48 | 1 6 | 0 44 | 5 34 | 11 25 | 6 52 |
| W 4 | 23 5 | 24 56 | 4 20 | 23 13 | 0 49 | 19 22 | 0 53 | 10 18 | 2 33 | 22 8 | 0 25 | 8 9 | 2 16 | 23 44 | 0 22 | 9 56 | 1 1 | 6 45 | 16 48 | 1 3 | 0 43 | 5 31 | 11 25 | 6 52 |
| T 5 | 23 10 | 27 34 | 4 48 | 23 31 | 0 55 | 19 40 | 0 51 | 10 11 | 2 35 | 22 9 | 0 25 | 8 8 | 2 16 | 23 44 | 0 22 | 9 57 | 1 1 | 6 45 | 16 48 | 0 58 | 0 41 | 5 27 | 11 25 | 6 53 |
| F 6 | 23 14 | 28 33 | 5 0 | 23 47 | 1 1 | 19 57 | 0 49 | 10 4 | 2 36 | 22 10 | 0 25 | 8 7 | 2 16 | 23 44 | 0 22 | 9 57 | 1 1 | 6 45 | 16 47 | 0 53 | 0 40 | 5 24 | 11 25 | 6 54 |
| S 7 | 23 18 | 27 53 | 4 56 | 24 3 | 1 7 | 20 14 | 0 46 | 9 58 | 2 38 | 22 11 | 0 25 | 8 6 | 2 16 | 23 45 | 0 22 | 9 57 | 1 1 | 6 45 | 16 47 | 0 48 | 0 39 | 5 21 | 11 25 | 6 54 |
| S 8 | 23 22 | 25 43 | 4 36 | 24 17 | 1 12 | 20 30 | 0 44 | 9 52 | 2 39 | 22 12 | 0 26 | 8 5 | 2 16 | 23 45 | 0 22 | 9 57 | 1 1 | 6 45 | 16 47 | 0 43 | 0 37 | 5 17 | 11 25 | 6 55 |
| M 9 | 23 25 | 22 20 | 4 4 | 24 30 | 1 18 | 20 46 | 0 42 | 9 46 | 2 41 | 22 13 | 0 26 | 8 3 | 2 15 | 23 45 | 0 22 | 9 57 | 1 1 | 6 44 | 16 46 | 0 39 | 0 36 | 5 14 | 11 25 | 6 55 |
| T 10 | 23 28 | 18 3 | 3 20 | 24 41 | 1 23 | 21 1 | 0 39 | 9 40 | 2 42 | 22 15 | 0 26 | 8 2 | 2 15 | 23 45 | 0 22 | 9 57 | 1 1 | 6 44 | 16 46 | 0 36 | 0 35 | 5 10 | 11 26 | 6 56 |
| W11 | 23 30 | 13 8 | 2 29 | 24 51 | 1 27 | 21 15 | 0 37 | 9 34 | 2 44 | 22 16 | 0 26 | 8 0 | 2 15 | 23 45 | 0 22 | 9 57 | 1 1 | 6 44 | 16 46 | 0 34 | 0 34 | 5 7 | 11 26 | 6 56 |
| T 12 | 23 31 | 7 47 | 1 31 | 25 0 | 1 32 | 21 29 | 0 35 | 9 28 | 2 45 | 22 17 | 0 26 | 7 59 | 2 15 | 23 45 | 0 22 | 9 57 | 1 1 | 6 44 | 16 46 | 0 33 | 0 32 | 5 3 | 11 26 | 6 57 |
| F 13 | 23 32 | 2 12 | 0 30 | 25 7 | 1 36 | 21 42 | 0 32 | 9 23 | 2 47 | 22 18 | 0 26 | 7 57 | 2 15 | 23 45 | 0 22 | 9 58 | 1 2 | 6 44 | 16 45 | 0 33 | 0 31 | 5 0 | 11 26 | 6 57 |
| S 14 | 23 33 | 3s28 | 0s32 | 25 13 | 1 41 | 21 55 | 0 30 | 9 17 | 2 48 | 22 20 | 0 27 | 7 56 | 2 14 | 23 46 | 0 22 | 9 58 | 1 2 | 6 44 | 16 45 | 0 33 | 0 30 | 4 57 | 11 26 | 6 58 |
| S 15 | 23 33 | 9 5 | 1 34 | 25 18 | 1 44 | 22 7 | 0 27 | 9 12 | 2 50 | 22 21 | 0 27 | 7 54 | 2 14 | 23 46 | 0 22 | 9 58 | 1 2 | 6 43 | 16 45 | 0 33 | 0 29 | 4 53 | 11 27 | 6 58 |
| M16 | 23 33 | 14 27 | 2 32 | 25 21 | 1 48 | 22 18 | 0 25 | 9 7 | 2 52 | 22 22 | 0 27 | 7 53 | 2 14 | 23 46 | 0 22 | 9 58 | 1 2 | 6 43 | 16 44 | 0 32 | 0 27 | 4 50 | 11 27 | 6 59 |
| T 17 | 23 32 | 19 22 | 3 25 | 25 22 | 1 51 | 22 28 | 0 22 | 9 2 | 2 53 | 22 23 | 0 27 | 7 51 | 2 14 | 23 46 | 0 22 | 9 58 | 1 2 | 6 43 | 16 44 | 0 30 | 0 26 | 4 46 | 11 27 | 6 59 |
| W18 | 23 31 | 23 33 | 4 9 | 25 22 | 1 54 | 22 38 | 0 20 | 8 58 | 2 55 | 22 25 | 0 27 | 7 50 | 2 14 | 23 46 | 0 22 | 9 59 | 1 2 | 6 43 | 16 43 | 0 27 | 0 25 | 4 43 | 11 27 | 7 0 |
| T 19 | 23 30 | 26 40 | 4 41 | 25 21 | 1 57 | 22 48 | 0 17 | 8 53 | 2 56 | 22 26 | 0 27 | 7 48 | 2 13 | 23 46 | 0 22 | 9 59 | 1 2 | 6 43 | 16 43 | 0 22 | 0 24 | 4 39 | 11 28 | 7 0 |
| F 20 | 23 27 | 28 21 | 4 58 | 25 18 | 1 59 | 22 56 | 0 15 | 8 49 | 2 58 | 22 27 | 0 28 | 7 46 | 2 13 | 23 46 | 0 22 | 9 59 | 1 2 | 6 42 | 16 43 | 0 17 | 0 22 | 4 36 | 11 28 | 7 1 |
| S 21 | 23 25 | 28 19 | 4 58 | 25 13 | 2 1 | 23 4 | 0 12 | 8 45 | 3 0 | 22 29 | 0 28 | 7 44 | 2 13 | 23 47 | 0 22 | 9 59 | 1 2 | 6 42 | 16 42 | 0 12 | 0 21 | 4 33 | 11 29 | 7 1 |
| S 22 | 23 22 | 26 27 | 4 40 | 25 6 | 2 3 | 23 11 | 0 10 | 8 41 | 3 1 | 22 30 | 0 28 | 7 43 | 2 13 | 23 47 | 0 22 | 10 0 | 1 2 | 6 42 | 16 42 | 0 7 | 0 20 | 4 29 | 11 29 | 7 1 |
| M23 | 23 18 | 22 52 | 4 5 | 24 58 | 2 4 | 23 17 | 0 7 | 8 37 | 3 3 | 22 31 | 0 28 | 7 41 | 2 13 | 23 47 | 0 22 | 10 0 | 1 2 | 6 42 | 16 42 | 0 3 | 0 18 | 4 26 | 11 30 | 7 2 |
| T 24 | 23 14 | 17 54 | 3 13 | 24 49 | 2 5 | 23 23 | 0 5 | 8 34 | 3 5 | 22 32 | 0 28 | 7 39 | 2 13 | 23 47 | 0 22 | 10 0 | 1 2 | 6 41 | 16 41 | 0s 0 | 0 17 | 4 22 | 11 30 | 7 2 |
| W25 | 23 10 | 11 55 | 2 10 | 24 37 | 2 6 | 23 28 | 0 2 | 8 31 | 3 6 | 22 34 | 0 28 | 7 37 | 2 12 | 23 47 | 0 22 | 10 0 | 1 2 | 6 41 | 16 41 | 0 2 | 0 16 | 4 19 | 11 31 | 7 3 |
| T 26 | 23 5 | 5 20 | 0 58 | 24 24 | 2 6 | 23 32 | 0s 0 | 8 28 | 3 8 | 22 35 | 0 29 | 7 35 | 2 12 | 23 47 | 0 22 | 10 1 | 1 2 | 6 41 | 16 41 | 0 3 | 0 15 | 4 15 | 11 31 | 7 3 |
| F 27 | 22 59 | 1n27 | 0n16 | 24 9 | 2 5 | 23 36 | 0 3 | 8 25 | 3 10 | 22 36 | 0 29 | 7 33 | 2 12 | 23 47 | 0 22 | 10 1 | 1 2 | 6 40 | 16 40 | 0 3 | 0 13 | 4 12 | 11 32 | 7 3 |
| S 28 | 22 53 | 8 6 | 1 30 | 23 52 | 2 4 | 23 39 | 0 5 | 8 23 | 3 11 | 22 38 | 0 29 | 7 31 | 2 12 | 23 47 | 0 22 | 10 1 | 1 2 | 6 40 | 16 40 | 0 3 | 0 12 | 4 9 | 11 33 | 7 4 |
| S 29 | 22 47 | 14 17 | 2 36 | 23 34 | 2 3 | 23 41 | 0 8 | 8 20 | 3 13 | 22 39 | 0 29 | 7 29 | 2 12 | 23 48 | 0 22 | 10 2 | 1 2 | 6 40 | 16 40 | 0 3 | 0 11 | 4 5 | 11 33 | 7 4 |
| M30 | 22 40 | 19 42 | 3 34 | 23 14 | 2 1 | 23 42 | 0 10 | 8 18 | 3 15 | 22 40 | 0 29 | 7 27 | 2 12 | 23 48 | 0 22 | 10 2 | 1 2 | 6 40 | 16 39 | 0 5 | 0 10 | 4 2 | 11 34 | 7 4 |
| T 31 | 22s33 | 24n 3 | 4n18 | 22s52 | 1s58 | 23s43 | 0s12 | 8n17 | 3n17 | 22n41 | 0n29 | 7s25 | 2s11 | 23n48 | 0n22 | 10n 3 | 1n 2 | 6s39 | 16s39 | 0s 7 | 0n 8 | 3n58 | 11n35 | 7s 4 |

Julian Day Number = 2127550.5, Delta T = 17m02s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'24, Lahiri = 11°29'25 Julian Calendar 1 Dec. 1112 == Greg. Calendar 8 Dec. 1112


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## JANUARY 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 6 55 | 17♉22'55 | 11♊41 | 28♉18 | 5♉ 5 | 16♍52 | 18°R49 | 16♓27 | 5°R45 | 6°R44 | 22♈32 | 29°R34 | 0♈18 | 21♍55 | 7°R41 | W 1 |
| T 2 | 7 10 51 | 18°23'58 | 24°56 | 0♒ 0 | 6°20 | 17° 0 | 18♋41 | 16°32 | 5♋43 | 6♍43 | 22°32 | 29♓23 | 0°14 | 22° 1 | 7♌37 | T 2 |
| F 3 | 7 14 48 | 19°25'01 | 7♋59 | 1°42 | 7°36 | 17° 6 | 18°33 | 16°38 | 5°40 | 6°42 | 22°32 | 29°10 | 0°11 | 22° 8 | 7°33 | F 3 |
| S 4 | 7 18 44 | 20°26'02 | 20°49 | 3°23 | 8°51 | 17°13 | 18°25 | 16°43 | 5°38 | 6°41 | 22°32 | 28°58 | 0° 8 | 22°15 | 7°29 | S 4 |
| S 5 | 7 22 41 | 21°27'03 | 3♌25 | 5° 3 | 10° 6 | 17°18 | 18°17 | 16°48 | 5°35 | 6°40 | 22°32 | 28°46 | 0° 5 | 22°21 | 7°24 | S 5 |
| M 6 | 7 26 38 | 22°28'03 | 15°47 | 6°43 | 11°22 | 17°23 | 18° 9 | 16°53 | 5°33 | 6°39 | 22°33 | 28°36 | 0° 2 | 22°28 | 7°20 | M 6 |
| T 7 | 7 30 34 | 23°29'02 | 27°56 | 8°21 | 12°37 | 17°27 | 18° 1 | 16°59 | 5°30 | 6°38 | 22°33 | 28°29 | 29♓59 | 22°35 | 7°16 | T 7 |
| W 8 | 7 34 31 | 24°30'00 | 9♍54 | 9°58 | 13°52 | 17°30 | 17°53 | 17° 4 | 5°28 | 6°36 | 22°33 | 28°25 | 29°55 | 22°41 | 7°12 | W 8 |
| T 9 | 7 38 27 | 25°30'58 | 21°44 | 11°32 | 15° 7 | 17°33 | 17°45 | 17°10 | 5°25 | 6°35 | 22°33 | 28°23 | 29°52 | 22°48 | 7° 7 | T 9 |
| F 10 | 7 42 24 | 26°31'54 | 3♎31 | 13° 4 | 16°23 | 17°35 | 17°37 | 17°16 | 5°23 | 6°34 | 22°33 | 28°D23 | 29°49 | 22°54 | 7° 3 | F 10 |
| S 11 | 7 46 20 | 27°32'50 | 15°19 | 14°33 | 17°38 | 17°37 | 17°30 | 17°21 | 5°21 | 6°33 | 22°34 | 28°23 | 29°46 | 23° 1 | 6°58 | S 11 |
| S 12 | 7 50 17 | 28°33'45 | 27°14 | 15°59 | 18°53 | 17°R37 | 17°22 | 17°27 | 5°18 | 6°32 | 22°34 | 28°R24 | 29°43 | 23° 8 | 6°54 | S 12 |
| M13 | 7 54 13 | 29°34'39 | 9♏22 | 17°21 | 20° 8 | 17°37 | 17°14 | 17°33 | 5°16 | 6°31 | 22°34 | 28°23 | 29°39 | 23°14 | 6°49 | M13 |
| T 14 | 7 58 10 | 0♒35'32 | 21°46 | 18°37 | 21°23 | 17°36 | 17° 6 | 17°39 | 5°14 | 6°29 | 22°34 | 28°21 | 29°36 | 23°21 | 6°45 | T 14 |
| W15 | 8 2 7 | 1°36'25 | 4♐33 | 19°48 | 22°39 | 17°34 | 16°59 | 17°45 | 5°11 | 6°28 | 22°35 | 28°16 | 29°33 | 23°28 | 6°40 | W15 |
| T 16 | 8 6 3 | 2°37'16 | 17°45 | 20°53 | 23°54 | 17°32 | 16°51 | 17°51 | 5° 9 | 6°27 | 22°35 | 28° 9 | 29°30 | 23°34 | 6°36 | T 16 |
| F 17 | 8 10 0 | 3°38'07 | 1♑24 | 21°51 | 25° 9 | 17°29 | 16°44 | 17°57 | 5° 7 | 6°25 | 22°35 | 28° 1 | 29°27 | 23°41 | 6°31 | F 17 |
| S 18 | 8 13 56 | 4°38'56 | 15°29 | 22°41 | 26°24 | 17°25 | 16°36 | 18° 3 | 5° 5 | 6°24 | 22°36 | 27°52 | 29°24 | 23°48 | 6°27 | S 18 |
| S 19 | 8 17 53 | 5°39'44 | 29°55 | 23°22 | 27°40 | 17°20 | 16°29 | 18° 9 | 5° 3 | 6°23 | 22°36 | 27°43 | 29°20 | 23°54 | 6°22 | S 19 |
| M20 | 8 21 49 | 6°40'31 | 14♒36 | 23°53 | 28°55 | 17°14 | 16°22 | 18°15 | 5° 1 | 6°21 | 22°37 | 27°35 | 29°17 | 24° 1 | 6°18 | M20 |
| T 21 | 8 25 46 | 7°41'16 | 29°26 | 24°15 | 0♒10 | 17° 8 | 16°15 | 18°22 | 4°58 | 6°20 | 22°37 | 27°30 | 29°14 | 24° 8 | 6°13 | T 21 |
| W22 | 8 29 42 | 8°42'00 | 14♓14 | 24°27 | 1°25 | 17° 1 | 16° 8 | 18°28 | 4°56 | 6°18 | 22°38 | 27°27 | 29°11 | 24°14 | 6° 8 | W22 |
| T 23 | 8 33 39 | 9°42'42 | 28°56 | 24°R28 | 2°40 | 16°53 | 16° 1 | 18°34 | 4°54 | 6°17 | 22°38 | 27°D26 | 29° 8 | 24°21 | 6° 4 | T 23 |
| F 24 | 8 37 36 | 10°43'23 | 13♈24 | 24°18 | 3°55 | 16°44 | 15°54 | 18°41 | 4°52 | 6°16 | 22°39 | 27°27 | 29° 5 | 24°28 | 5°59 | F 24 |
| S 25 | 8 41 32 | 11°44'01 | 27°37 | 23°58 | 5°10 | 16°34 | 15°48 | 18°47 | 4°50 | 6°14 | 22°39 | 27°28 | 29° 1 | 24°34 | 5°55 | S 25 |
| S 26 | 8 45 29 | 12°44'38 | 11♉33 | 23°27 | 6°26 | 16°24 | 15°41 | 18°54 | 4°49 | 6°13 | 22°40 | 27°R29 | 28°58 | 24°41 | 5°50 | S 26 |
| M27 | 8 49 25 | 13°45'13 | 25°12 | 22°48 | 7°41 | 16°13 | 15°35 | 19° 1 | 4°47 | 6°11 | 22°40 | 27°28 | 28°55 | 24°47 | 5°46 | M27 |
| T 28 | 8 53 22 | 14°45'47 | 8♊35 | 22° 0 | 8°56 | 16° 1 | 15°29 | 19° 7 | 4°45 | 6°10 | 22°41 | 27°26 | 28°52 | 24°54 | 5°41 | T 28 |
| W29 | 8 57 18 | 15°46'18 | 21°43 | 21° 5 | 10°11 | 15°49 | 15°23 | 19°14 | 4°43 | 6° 8 | 22°42 | 27°21 | 28°49 | 25° 1 | 5°37 | W29 |
| T 30 | 9 1 15 | 16°46'48 | 4♋38 | 20° 4 | 11°26 | 15°35 | 15°17 | 19°21 | 4°41 | 6° 7 | 22°42 | 27°15 | 28°45 | 25° 7 | 5°32 | T 30 |
| F 31 | 9 5 11 | 17♒47'15 | 17♋20 | 19♒ 0 | 12♒41 | 15♍21 | 15♋11 | 19♓27 | 4♋40 | 6♍ 5 | 22♈43 | 27♓ 8 | 28♓42 | 25♍14 | 5♌28 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s25 | 27n 2 | 4n47 | 22s29 | 1s55 | 23s42 | 0s15 | 8n15 | 3n18 | 22n43 | 0n29 | 7s23 | 2s11 | 23n48 | 0n22 | 10n 3 | 1n 2 | 6s39 | 16s39 | 0s10 | 0n 7 | 3n55 | 11n35 | 7s 5 |
| T 2 | 22 17 | 28 28 | 5 1 | 22 4 | 1 51 | 23 42 | 0 17 | 8 14 | 3 20 | 22 44 | 0 30 | 7 21 | 2 11 | 23 48 | 0 22 | 10 3 | 1 2 | 6 39 | 16 38 | 0 15 | 0 6 | 3 51 | 11 36 | 7 5 |
| F 3 | 22 9 | 28 16 | 4 58 | 21 37 | 1 47 | 23 40 | 0 20 | 8 13 | 3 22 | 22 45 | 0 30 | 7 19 | 2 11 | 23 48 | 0 22 | 10 4 | 1 2 | 6 38 | 16 38 | 0 20 | 0 4 | 3 48 | 11 37 | 7 5 |
| S 4 | 22 0 | 26 33 | 4 40 | 21 9 | 1 42 | 23 38 | 0 22 | 8 12 | 3 23 | 22 46 | 0 30 | 7 17 | 2 11 | 23 48 | 0 22 | 10 4 | 1 2 | 6 38 | 16 37 | 0 25 | 0 3 | 3 45 | 11 38 | 7 5 |
| S 5 | 21 50 | 23 31 | 4 9 | 20 39 | 1 36 | 23 35 | 0 24 | 8 11 | 3 25 | 22 48 | 0 30 | 7 14 | 2 11 | 23 48 | 0 22 | 10 5 | 1 2 | 6 37 | 16 37 | 0 30 | 0 2 | 3 41 | 11 39 | 7 6 |
| M 6 | 21 40 | 19 28 | 3 26 | 20 7 | 1 29 | 23 31 | 0 27 | 8 11 | 3 27 | 22 49 | 0 30 | 7 12 | 2 10 | 23 48 | 0 22 | 10 5 | 1 2 | 6 37 | 16 37 | 0 34 | 0 1 | 3 38 | 11 39 | 7 6 |
| T 7 | 21 30 | 14 40 | 2 35 | 19 35 | 1 22 | 23 26 | 0 29 | 8 11 | 3 29 | 22 50 | 0 30 | 7 10 | 2 10 | 23 49 | 0 22 | 10 5 | 1 3 | 6 37 | 16 36 | 0 36 | 0s 1 | 3 34 | 11 40 | 7 6 |
| W 8 | 21 20 | 9 23 | 1 37 | 19 1 | 1 14 | 23 21 | 0 31 | 8 11 | 3 30 | 22 51 | 0 30 | 7 8 | 2 10 | 23 49 | 0 22 | 10 6 | 1 3 | 6 36 | 16 36 | 0 38 | 0 2 | 3 31 | 11 41 | 7 6 |
| T 9 | 21 9 | 3 50 | 0 35 | 18 27 | 1 5 | 23 15 | 0 34 | 8 12 | 3 32 | 22 52 | 0 30 | 7 5 | 2 10 | 23 49 | 0 22 | 10 6 | 1 3 | 6 36 | 16 36 | 0 39 | 0 3 | 3 27 | 11 42 | 7 6 |
| F 10 | 20 57 | 1s50 | 0s28 | 17 51 | 0 55 | 23 8 | 0 36 | 8 12 | 3 34 | 22 54 | 0 31 | 7 3 | 2 10 | 23 49 | 0 22 | 10 7 | 1 3 | 6 35 | 16 35 | 0 39 | 0 4 | 3 24 | 11 43 | 7 7 |
| S 11 | 20 45 | 7 26 | 1 30 | 17 15 | 0 44 | 23 1 | 0 38 | 8 13 | 3 36 | 22 55 | 0 31 | 7 1 | 2 10 | 23 49 | 0 22 | 10 7 | 1 3 | 6 35 | 16 35 | 0 39 | 0 6 | 3 20 | 11 44 | 7 7 |
| S 12 | 20 33 | 12 51 | 2 28 | 16 39 | 0 33 | 22 53 | 0 40 | 8 15 | 3 37 | 22 56 | 0 31 | 6 58 | 2 10 | 23 49 | 0 22 | 10 8 | 1 3 | 6 35 | 16 35 | 0 38 | 0 7 | 3 17 | 11 45 | 7 7 |
| M13 | 20 20 | 17 52 | 3 21 | 16 2 | 0 20 | 22 44 | 0 42 | 8 16 | 3 39 | 22 57 | 0 31 | 6 56 | 2 10 | 23 49 | 0 22 | 10 8 | 1 3 | 6 34 | 16 34 | 0 39 | 0 8 | 3 14 | 11 46 | 7 7 |
| T 14 | 20 7 | 22 15 | 4 6 | 15 26 | 0 7 | 22 34 | 0 44 | 8 18 | 3 41 | 22 58 | 0 31 | 6 53 | 2 9 | 23 49 | 0 22 | 10 9 | 1 3 | 6 34 | 16 34 | 0 40 | 0 9 | 3 10 | 11 47 | 7 7 |
| W15 | 19 54 | 25 45 | 4 40 | 14 50 | 0n 7 | 22 24 | 0 46 | 8 21 | 3 42 | 22 59 | 0 31 | 6 51 | 2 9 | 23 49 | 0 22 | 10 9 | 1 3 | 6 33 | 16 33 | 0 41 | 0 11 | 3 7 | 11 48 | 7 7 |
| T 16 | 19 40 | 27 59 | 5 1 | 14 16 | 0 22 | 22 13 | 0 48 | 8 23 | 3 44 | 23 0 | 0 31 | 6 48 | 2 9 | 23 49 | 0 22 | 10 10 | 1 3 | 6 33 | 16 33 | 0 44 | 0 12 | 3 3 | 11 49 | 7 7 |
| F 17 | 19 26 | 28 38 | 5 5 | 13 43 | 0 37 | 22 2 | 0 50 | 8 26 | 3 46 | 23 1 | 0 31 | 6 46 | 2 9 | 23 50 | 0 22 | 10 10 | 1 3 | 6 32 | 16 33 | 0 48 | 0 13 | 3 0 | 11 50 | 7 7 |
| S 18 | 19 12 | 27 29 | 4 52 | 13 11 | 0 53 | 21 50 | 0 52 | 8 29 | 3 47 | 23 2 | 0 31 | 6 43 | 2 9 | 23 50 | 0 22 | 10 11 | 1 3 | 6 32 | 16 32 | 0 51 | 0 15 | 2 56 | 11 51 | 7 7 |
| S 19 | 18 57 | 24 30 | 4 20 | 12 42 | 1 9 | 21 37 | 0 54 | 8 32 | 3 49 | 23 3 | 0 31 | 6 41 | 2 9 | 23 50 | 0 22 | 10 11 | 1 3 | 6 31 | 16 32 | 0 55 | 0 16 | 2 53 | 11 52 | 7 7 |
| M20 | 18 42 | 19 52 | 3 30 | 12 16 | 1 26 | 21 23 | 0 56 | 8 36 | 3 51 | 23 4 | 0 32 | 6 38 | 2 9 | 23 50 | 0 22 | 10 12 | 1 3 | 6 31 | 16 32 | 0 58 | 0 17 | 2 49 | 11 53 | 7 7 |
| T 21 | 18 26 | 14 0 | 2 25 | 11 53 | 1 43 | 21 9 | 0 58 | 8 40 | 3 52 | 23 5 | 0 32 | 6 36 | 2 9 | 23 50 | 0 22 | 10 12 | 1 3 | 6 30 | 16 31 | 1 0 | 0 18 | 2 46 | 11 55 | 7 7 |
| W22 | 18 10 | 7 19 | 1 11 | 11 33 | 2 0 | 20 54 | 0 59 | 8 44 | 3 54 | 23 6 | 0 32 | 6 33 | 2 8 | 23 50 | 0 22 | 10 13 | 1 3 | 6 30 | 16 31 | 1 1 | 0 20 | 2 42 | 11 56 | 7 7 |
| T 23 | 17 54 | 0 18 | 0n 8 | 11 17 | 2 16 | 20 39 | 1 1 | 8 49 | 3 55 | 23 7 | 0 32 | 6 30 | 2 8 | 23 50 | 0 22 | 10 14 | 1 3 | 6 29 | 16 31 | 1 1 | 0 21 | 2 39 | 11 57 | 7 7 |
| F 24 | 17 38 | 6n38 | 1 25 | 11 6 | 2 32 | 20 23 | 1 3 | 8 54 | 3 57 | 23 8 | 0 32 | 6 28 | 2 8 | 23 50 | 0 22 | 10 14 | 1 3 | 6 29 | 16 30 | 1 1 | 0 22 | 2 36 | 11 58 | 7 7 |
| S 25 | 17 21 | 13 6 | 2 36 | 10 58 | 2 47 | 20 6 | 1 4 | 8 59 | 3 58 | 23 9 | 0 32 | 6 25 | 2 8 | 23 50 | 0 22 | 10 15 | 1 3 | 6 28 | 16 30 | 1 1 | 0 23 | 2 32 | 11 59 | 7 7 |
| S 26 | 17 4 | 18 47 | 3 36 | 10 55 | 3 1 | 19 49 | 1 6 | 9 4 | 3 59 | 23 10 | 0 32 | 6 23 | 2 8 | 23 50 | 0 22 | 10 15 | 1 3 | 6 28 | 16 30 | 1 0 | 0 25 | 2 29 | 12 0 | 7 7 |
| M27 | 16 47 | 23 24 | 4 22 | 10 56 | 3 13 | 19 31 | 1 7 | 9 9 | 4 1 | 23 10 | 0 32 | 6 20 | 2 8 | 23 50 | 0 22 | 10 16 | 1 3 | 6 27 | 16 29 | 1 1 | 0 26 | 2 25 | 12 2 | 7 7 |
| T 28 | 16 29 | 26 40 | 4 53 | 11 1 | 3 24 | 19 13 | 1 9 | 9 15 | 4 2 | 23 11 | 0 32 | 6 17 | 2 8 | 23 50 | 0 22 | 10 16 | 1 3 | 6 27 | 16 29 | 1 2 | 0 27 | 2 22 | 12 3 | 7 6 |
| W29 | 16 11 | 28 25 | 5 8 | 11 11 | 3 33 | 18 54 | 1 10 | 9 21 | 4 3 | 23 12 | 0 32 | 6 14 | 2 8 | 23 50 | 0 22 | 10 17 | 1 3 | 6 26 | 16 29 | 1 3 | 0 29 | 2 18 | 12 4 | 7 6 |
| T 30 | 15 53 | 28 35 | 5 7 | 11 23 | 3 40 | 18 35 | 1 11 | 9 28 | 4 5 | 23 13 | 0 32 | 6 12 | 2 8 | 23 50 | 0 22 | 10 18 | 1 3 | 6 26 | 16 28 | 1 6 | 0 30 | 2 15 | 12 5 | 7 6 |
| F 31 | 15s35 | 27n14 | 4n51 | 11s39 | 3n44 | 18s15 | 1s13 | 9n34 | 4n 6 | 23n13 | 0n32 | 6s 9 | 2s 8 | 23n50 | 0n22 | 10n18 | 1n 3 | 6s25 | 16s28 | 1s 9 | 0s31 | 2n11 | 12n 6 | 7s 6 |

Julian Day Number = 2127581.5, Delta T = 17m02s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'28, Lahiri = 11°29'29 Julian Calendar 1 Jan. 1113 == Greg. Calendar 8 Jan. 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## FEBRUARY 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 9 8 | 18♒47'41 | 29♋50 | 17°R54 | 13♒56 | 15°R 6 | 15°R 5 | 19♓34 | 4°R38 | 6°R 3 | 22♈44 | 27°R 1 | 28♓39 | 25♍21 | 5°R23 | S 1 |
| S 2 | 9 13 5 | 19°48'06 | 12♌ 9 | 16♒47 | 15°11 | 14♍51 | 15♋ 0 | 19°41 | 4♋36 | 6♍ 2 | 22°44 | 26♓54 | 28°36 | 25°27 | 5♌19 | S 2 |
| M 3 | 9 17 1 | 20°48'28 | 24°18 | 15°41 | 16°26 | 14°35 | 14°55 | 19°48 | 4°35 | 6° 0 | 22°45 | 26°49 | 28°33 | 25°34 | 5°15 | M 3 |
| T 4 | 9 20 58 | 21°48'48 | 6♍18 | 14°38 | 17°41 | 14°18 | 14°49 | 19°55 | 4°33 | 5°59 | 22°46 | 26°45 | 28°30 | 25°41 | 5°10 | T 4 |
| W 5 | 9 24 54 | 22°49'07 | 18°11 | 13°39 | 18°56 | 14° 0 | 14°44 | 20° 2 | 4°32 | 5°57 | 22°46 | 26°43 | 28°26 | 25°47 | 5° 6 | W 5 |
| T 6 | 9 28 51 | 23°49'25 | 29°59 | 12°46 | 20°11 | 13°42 | 14°39 | 20° 9 | 4°30 | 5°55 | 22°47 | 26°D42 | 28°23 | 25°54 | 5° 2 | T 6 |
| F 7 | 9 32 47 | 24°49'40 | 11♎46 | 11°58 | 21°26 | 13°23 | 14°35 | 20°16 | 4°29 | 5°54 | 22°48 | 26°43 | 28°20 | 26° 1 | 4°58 | F 7 |
| S 8 | 9 36 44 | 25°49'54 | 23°35 | 11°16 | 22°41 | 13° 4 | 14°30 | 20°23 | 4°28 | 5°52 | 22°49 | 26°45 | 28°17 | 26° 7 | 4°54 | S 8 |
| S 9 | 9 40 40 | 26°50'07 | 5♏30 | 10°42 | 23°56 | 12°44 | 14°26 | 20°30 | 4°26 | 5°50 | 22°50 | 26°47 | 28°14 | 26°14 | 4°50 | S 9 |
| M10 | 9 44 37 | 27°50'18 | 17°36 | 10°14 | 25°11 | 12°24 | 14°22 | 20°37 | 4°25 | 5°49 | 22°51 | 26°48 | 28°11 | 26°20 | 4°46 | M10 |
| T 11 | 9 48 34 | 28°50'27 | 29°58 | 9°54 | 26°26 | 12° 3 | 14°18 | 20°44 | 4°24 | 5°47 | 22°51 | 26°R49 | 28° 7 | 26°27 | 4°42 | T 11 |
| W12 | 9 52 30 | 29°50'35 | 12♐41 | 9°41 | 27°41 | 11°42 | 14°14 | 20°52 | 4°23 | 5°46 | 22°52 | 26°48 | 28° 4 | 26°34 | 4°38 | W12 |
| T 13 | 9 56 27 | 0♓50'41 | 25°48 | 9°34 | 28°56 | 11°20 | 14°10 | 20°59 | 4°21 | 5°44 | 22°53 | 26°46 | 28° 1 | 26°40 | 4°34 | T 13 |
| F 14 | 10 0 23 | 1°50'46 | 9♑22 | 9°D34 | 0♓10 | 10°58 | 14° 7 | 21° 6 | 4°20 | 5°42 | 22°54 | 26°43 | 27°58 | 26°47 | 4°30 | F 14 |
| S 15 | 10 4 20 | 2°50'49 | 23°25 | 9°40 | 1°25 | 10°35 | 14° 4 | 21°13 | 4°19 | 5°41 | 22°55 | 26°40 | 27°55 | 26°54 | 4°26 | S 15 |
| S 16 | 10 8 16 | 3°50'50 | 7♒53 | 9°52 | 2°40 | 10°12 | 14° 1 | 21°21 | 4°18 | 5°39 | 22°56 | 26°36 | 27°51 | 27° 0 | 4°22 | S 16 |
| M17 | 10 12 13 | 4°50'49 | 22°42 | 10°10 | 3°55 | 9°49 | 13°58 | 21°28 | 4°18 | 5°37 | 22°57 | 26°34 | 27°48 | 27° 7 | 4°19 | M17 |
| T 18 | 10 16 9 | 5°50'46 | 7♓45 | 10°33 | 5°10 | 9°26 | 13°55 | 21°35 | 4°17 | 5°36 | 22°58 | 26°32 | 27°45 | 27°14 | 4°15 | T 18 |
| W19 | 10 20 6 | 6°50'42 | 22°53 | 11° 1 | 6°25 | 9° 3 | 13°52 | 21°43 | 4°16 | 5°34 | 22°59 | 26°D31 | 27°42 | 27°20 | 4°12 | W19 |
| T 20 | 10 24 3 | 7°50'35 | 7♈57 | 11°34 | 7°39 | 8°39 | 13°50 | 21°50 | 4°15 | 5°32 | 23° 0 | 26°31 | 27°39 | 27°27 | 4° 8 | T 20 |
| F 21 | 10 27 59 | 8°50'26 | 22°47 | 12°11 | 8°54 | 8°16 | 13°48 | 21°58 | 4°14 | 5°31 | 23° 1 | 26°32 | 27°36 | 27°34 | 4° 5 | F 21 |
| S 22 | 10 31 56 | 9°50'15 | 7♉19 | 12°52 | 10° 9 | 7°52 | 13°46 | 22° 5 | 4°14 | 5°29 | 23° 2 | 26°33 | 27°32 | 27°40 | 4° 2 | S 22 |
| S 23 | 10 35 52 | 10°50'01 | 21°29 | 13°36 | 11°24 | 7°28 | 13°44 | 22°12 | 4°13 | 5°27 | 23° 3 | 26°34 | 27°29 | 27°47 | 3°59 | S 23 |
| M24 | 10 39 49 | 11°49'46 | 5♊15 | 14°25 | 12°39 | 7° 5 | 13°43 | 22°20 | 4°12 | 5°26 | 23° 4 | 26°35 | 27°26 | 27°54 | 3°55 | M24 |
| T 25 | 10 43 45 | 12°49'28 | 18°38 | 15°16 | 13°53 | 6°41 | 13°41 | 22°27 | 4°12 | 5°24 | 23° 5 | 26°R35 | 27°23 | 28° 0 | 3°52 | T 25 |
| W26 | 10 47 42 | 13°49'08 | 1♋40 | 16°11 | 15° 8 | 6°18 | 13°40 | 22°35 | 4°12 | 5°22 | 23° 6 | 26°34 | 27°20 | 28° 7 | 3°49 | W26 |
| T 27 | 10 51 38 | 14°48'45 | 14°24 | 17° 8 | 16°23 | 5°55 | 13°39 | 22°42 | 4°11 | 5°21 | 23° 7 | 26°33 | 27°17 | 28°13 | 3°47 | T 27 |
| F 28 | 10 55 35 | 15♓48'20 | 26♋51 | 18♒ 9 | 17♓37 | 5♍32 | 13♋38 | 22♓50 | 4♋11 | 5♍19 | 23♈ 9 | 26♓32 | 27♓13 | 28♍20 | 3♌44 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s16 | 24n32 | 4n21 | 11s57 | 3n46 | 17s54 | 1s14 | 9n41 | 4n 7 | 23n14 | 0n33 | 6s 6 | 2s 8 | 23n51 | 0n22 | 10n19 | 1n 3 | 6s25 | 16s28 | 1s12 | 0s32 | 2n 8 | 12n 8 | 7s 6 |
| S 2 | 14 57 | 20 44 | 3 39 | 12 17 | 3 46 | 17 33 | 1 15 | 9 48 | 4 8 | 23 15 | 0 33 | 6 3 | 2 7 | 23 51 | 0 22 | 10 19 | 1 3 | 6 24 | 16 27 | 1 14 | 0 34 | 2 4 | 12 9 | 7 6 |
| M 3 | 14 38 | 16 7 | 2 48 | 12 39 | 3 44 | 17 12 | 1 16 | 9 55 | 4 9 | 23 16 | 0 33 | 6 1 | 2 7 | 23 51 | 0 22 | 10 20 | 1 3 | 6 24 | 16 27 | 1 16 | 0 35 | 2 1 | 12 10 | 7 5 |
| T 4 | 14 18 | 10 56 | 1 49 | 13 2 | 3 39 | 16 50 | 1 17 | 10 2 | 4 9 | 23 16 | 0 33 | 5 58 | 2 7 | 23 51 | 0 22 | 10 21 | 1 3 | 6 23 | 16 27 | 1 18 | 0 36 | 1 58 | 12 11 | 7 5 |
| W 5 | 13 59 | 5 24 | 0 46 | 13 24 | 3 33 | 16 28 | 1 18 | 10 10 | 4 10 | 23 17 | 0 33 | 5 55 | 2 7 | 23 51 | 0 22 | 10 21 | 1 3 | 6 23 | 16 26 | 1 19 | 0 37 | 1 54 | 12 13 | 7 5 |
| T 6 | 13 39 | 0s16 | 0s18 | 13 47 | 3 25 | 16 5 | 1 19 | 10 18 | 4 11 | 23 17 | 0 33 | 5 52 | 2 7 | 23 51 | 0 22 | 10 22 | 1 3 | 6 22 | 16 26 | 1 19 | 0 39 | 1 51 | 12 14 | 7 4 |
| F 7 | 13 19 | 5 56 | 1 22 | 14 10 | 3 15 | 15 41 | 1 20 | 10 25 | 4 12 | 23 18 | 0 33 | 5 49 | 2 7 | 23 51 | 0 22 | 10 22 | 1 3 | 6 21 | 16 26 | 1 19 | 0 40 | 1 47 | 12 15 | 7 4 |
| S 8 | 12 58 | 11 24 | 2 22 | 14 31 | 3 5 | 15 18 | 1 21 | 10 33 | 4 12 | 23 18 | 0 33 | 5 46 | 2 7 | 23 51 | 0 22 | 10 23 | 1 3 | 6 21 | 16 26 | 1 18 | 0 41 | 1 44 | 12 16 | 7 4 |
| S 9 | 12 38 | 16 31 | 3 17 | 14 52 | 2 53 | 14 54 | 1 22 | 10 42 | 4 13 | 23 19 | 0 33 | 5 44 | 2 7 | 23 51 | 0 22 | 10 24 | 1 3 | 6 20 | 16 25 | 1 17 | 0 42 | 1 40 | 12 18 | 7 4 |
| M10 | 12 17 | 21 4 | 4 4 | 15 11 | 2 41 | 14 29 | 1 22 | 10 50 | 4 13 | 23 20 | 0 33 | 5 41 | 2 7 | 23 51 | 0 22 | 10 24 | 1 3 | 6 20 | 16 25 | 1 17 | 0 44 | 1 37 | 12 19 | 7 3 |
| T 11 | 11 56 | 24 49 | 4 41 | 15 29 | 2 28 | 14 4 | 1 23 | 10 58 | 4 13 | 23 20 | 0 33 | 5 38 | 2 7 | 23 51 | 0 22 | 10 25 | 1 3 | 6 19 | 16 25 | 1 16 | 0 45 | 1 33 | 12 20 | 7 3 |
| W12 | 11 35 | 27 28 | 5 5 | 15 45 | 2 15 | 13 39 | 1 24 | 11 7 | 4 13 | 23 20 | 0 33 | 5 35 | 2 7 | 23 51 | 0 22 | 10 26 | 1 3 | 6 19 | 16 24 | 1 17 | 0 46 | 1 30 | 12 21 | 7 3 |
| T 13 | 11 14 | 28 44 | 5 14 | 16 0 | 2 1 | 13 13 | 1 24 | 11 15 | 4 13 | 23 21 | 0 33 | 5 32 | 2 7 | 23 51 | 0 22 | 10 26 | 1 3 | 6 18 | 16 24 | 1 17 | 0 48 | 1 26 | 12 23 | 7 2 |
| F 14 | 10 52 | 28 20 | 5 7 | 16 13 | 1 47 | 12 47 | 1 24 | 11 24 | 4 13 | 23 21 | 0 33 | 5 29 | 2 7 | 23 51 | 0 22 | 10 27 | 1 3 | 6 17 | 16 24 | 1 19 | 0 49 | 1 23 | 12 24 | 7 2 |
| S 15 | 10 31 | 26 8 | 4 41 | 16 25 | 1 34 | 12 21 | 1 25 | 11 32 | 4 13 | 23 22 | 0 33 | 5 26 | 2 7 | 23 51 | 0 22 | 10 27 | 1 3 | 6 17 | 16 24 | 1 20 | 0 50 | 1 19 | 12 25 | 7 1 |
| S 16 | 10 9 | 22 12 | 3 57 | 16 34 | 1 20 | 11 54 | 1 25 | 11 41 | 4 13 | 23 22 | 0 33 | 5 23 | 2 7 | 23 51 | 0 22 | 10 28 | 1 3 | 6 16 | 16 23 | 1 21 | 0 51 | 1 16 | 12 26 | 7 1 |
| M17 | 9 47 | 16 47 | 2 56 | 16 42 | 1 7 | 11 27 | 1 25 | 11 49 | 4 13 | 23 22 | 0 33 | 5 20 | 2 7 | 23 51 | 0 22 | 10 29 | 1 4 | 6 16 | 16 23 | 1 22 | 0 53 | 1 13 | 12 28 | 7 1 |
| T 18 | 9 25 | 10 16 | 1 42 | 16 49 | 0 54 | 10 59 | 1 26 | 11 58 | 4 12 | 23 23 | 0 33 | 5 17 | 2 7 | 23 51 | 0 22 | 10 29 | 1 4 | 6 15 | 16 23 | 1 23 | 0 54 | 1 9 | 12 29 | 7 0 |
| W19 | 9 3 | 3 9 | 0 20 | 16 54 | 0 41 | 10 32 | 1 26 | 12 6 | 4 12 | 23 23 | 0 33 | 5 14 | 2 7 | 23 51 | 0 22 | 10 30 | 1 4 | 6 14 | 16 22 | 1 24 | 0 55 | 1 6 | 12 30 | 7 0 |
| T 20 | 8 40 | 4n 8 | 1n 3 | 16 57 | 0 29 | 10 4 | 1 26 | 12 14 | 4 11 | 23 23 | 0 33 | 5 11 | 2 7 | 23 51 | 0 22 | 10 31 | 1 4 | 6 14 | 16 22 | 1 23 | 0 56 | 1 2 | 12 31 | 6 59 |
| F 21 | 8 18 | 11 5 | 2 20 | 16 58 | 0 16 | 9 36 | 1 26 | 12 23 | 4 11 | 23 23 | 0 33 | 5 8 | 2 7 | 23 51 | 0 22 | 10 31 | 1 4 | 6 13 | 16 22 | 1 23 | 0 58 | 0 59 | 12 33 | 6 59 |
| S 22 | 7 55 | 17 17 | 3 27 | 16 58 | 0 5 | 9 7 | 1 26 | 12 31 | 4 10 | 23 24 | 0 33 | 5 6 | 2 7 | 23 51 | 0 22 | 10 32 | 1 4 | 6 13 | 16 22 | 1 23 | 0 59 | 0 55 | 12 34 | 6 58 |
| S 23 | 7 32 | 22 23 | 4 19 | 16 56 | 0s 7 | 8 39 | 1 26 | 12 39 | 4 9 | 23 24 | 0 33 | 5 3 | 2 7 | 23 51 | 0 22 | 10 32 | 1 4 | 6 12 | 16 21 | 1 22 | 1 0 | 0 52 | 12 35 | 6 58 |
| M24 | 7 10 | 26 7 | 4 55 | 16 52 | 0 18 | 8 10 | 1 25 | 12 47 | 4 8 | 23 24 | 0 33 | 5 0 | 2 7 | 23 51 | 0 22 | 10 33 | 1 4 | 6 11 | 16 21 | 1 22 | 1 2 | 0 48 | 12 36 | 6 57 |
| T 25 | 6 47 | 28 17 | 5 14 | 16 47 | 0 28 | 7 41 | 1 25 | 12 55 | 4 7 | 23 24 | 0 34 | 4 57 | 2 7 | 23 51 | 0 22 | 10 34 | 1 4 | 6 11 | 16 21 | 1 22 | 1 3 | 0 45 | 12 37 | 6 57 |
| W26 | 6 24 | 28 48 | 5 16 | 16 40 | 0 38 | 7 11 | 1 25 | 13 2 | 4 5 | 23 24 | 0 34 | 4 54 | 2 7 | 23 51 | 0 22 | 10 34 | 1 4 | 6 10 | 16 21 | 1 22 | 1 4 | 0 41 | 12 39 | 6 56 |
| T 27 | 6 1 | 27 46 | 5 2 | 16 32 | 0 48 | 6 42 | 1 24 | 13 10 | 4 4 | 23 25 | 0 34 | 4 51 | 2 7 | 23 51 | 0 22 | 10 35 | 1 4 | 6 10 | 16 21 | 1 23 | 1 5 | 0 38 | 12 40 | 6 56 |
| F 28 | 5s37 | 25n22 | 4n34 | 16s22 | 0s57 | 6s12 | 1s24 | 13n17 | 4n 3 | 23n25 | 0n34 | 4s48 | 2s 7 | 23n51 | 0n22 | 10n36 | 1n 4 | 6s 9 | 16s20 | 1s23 | 1s 7 | 0n34 | 12n41 | 6s55 |

Julian Day Number = 2127612.5, Delta T = 17m01s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'33, Lahiri = 11°29'33 Julian Calendar 1 Feb. 1113 == Greg. Calendar 8 Feb. 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## MARCH 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 59 32 | 16♓47'53 | 9♌ 7 | 19♒12 | 18♓52 | 5°R10 | 13°R38 | 22♓57 | 4°R10 | 5°R17 | 23♈10 | 26°R30 | 27♓10 | 28♍27 | 3°R41 | S 1 |
| S 2 | 11 3 28 | 17°47'23 | 21°12 | 20°17 | 20° 6 | 4♍48 | 13♋37 | 23° 5 | 4♋10 | 5♍16 | 23°11 | 26♓29 | 27° 7 | 28°33 | 3♌38 | S 2 |
| M 3 | 11 7 25 | 18°46'52 | 3♍ 9 | 21°25 | 21°21 | 4°26 | 13°37 | 23°12 | 4°10 | 5°14 | 23°12 | 26°28 | 27° 4 | 28°40 | 3°36 | M 3 |
| T 4 | 11 11 21 | 19°46'18 | 15° 1 | 22°35 | 22°36 | 4° 4 | 13°D37 | 23°20 | 4°10 | 5°13 | 23°13 | 26°28 | 27° 1 | 28°47 | 3°33 | T 4 |
| W 5 | 11 15 18 | 20°45'42 | 26°50 | 23°47 | 23°50 | 3°43 | 13°37 | 23°28 | 4°10 | 5°11 | 23°14 | 26°D27 | 26°57 | 28°53 | 3°31 | W 5 |
| T 6 | 11 19 14 | 21°45'03 | 8♎38 | 25° 1 | 25° 5 | 3°23 | 13°38 | 23°35 | 4°D10 | 5° 9 | 23°15 | 26°28 | 26°54 | 29° 0 | 3°29 | T 6 |
| F 7 | 11 23 11 | 22°44'23 | 20°27 | 26°17 | 26°19 | 3° 3 | 13°38 | 23°43 | 4°10 | 5° 8 | 23°17 | 26°28 | 26°51 | 29° 7 | 3°27 | F 7 |
| S 8 | 11 27 7 | 23°43'41 | 2♏19 | 27°35 | 27°34 | 2°43 | 13°39 | 23°50 | 4°10 | 5° 6 | 23°18 | 26°28 | 26°48 | 29°13 | 3°25 | S 8 |
| S 9 | 11 31 4 | 24°42'57 | 14°19 | 28°55 | 28°48 | 2°24 | 13°40 | 23°58 | 4°10 | 5° 5 | 23°19 | 26°28 | 26°45 | 29°20 | 3°23 | S 9 |
| M10 | 11 35 1 | 25°42'12 | 26°28 | 0♓16 | 0♈ 3 | 2° 6 | 13°41 | 24° 5 | 4°10 | 5° 3 | 23°20 | 26°29 | 26°42 | 29°27 | 3°21 | M10 |
| T 11 | 11 38 57 | 26°41'24 | 8♐51 | 1°39 | 1°17 | 1°48 | 13°42 | 24°13 | 4°10 | 5° 2 | 23°22 | 26°R29 | 26°38 | 29°33 | 3°19 | T 11 |
| W12 | 11 42 54 | 27°40'35 | 21°32 | 3° 4 | 2°32 | 1°31 | 13°44 | 24°20 | 4°11 | 5° 0 | 23°23 | 26°D29 | 26°35 | 29°40 | 3°17 | W12 |
| T 13 | 11 46 50 | 28°39'43 | 4♑34 | 4°31 | 3°46 | 1°15 | 13°46 | 24°28 | 4°11 | 4°59 | 23°24 | 26°29 | 26°32 | 29°46 | 3°16 | T 13 |
| F 14 | 11 50 47 | 29°38'51 | 18° 0 | 5°59 | 5° 0 | 0°59 | 13°47 | 24°35 | 4°12 | 4°57 | 23°25 | 26°29 | 26°29 | 29°53 | 3°14 | F 14 |
| S 15 | 11 54 43 | 0♈37'56 | 1♒51 | 7°29 | 6°15 | 0°44 | 13°50 | 24°43 | 4°12 | 4°56 | 23°27 | 26°29 | 26°26 | 29°59 | 3°13 | S 15 |
| S 16 | 11 58 40 | 1°36'59 | 16° 9 | 9° 0 | 7°29 | 0°29 | 13°52 | 24°50 | 4°13 | 4°54 | 23°28 | 26°29 | 26°22 | 0♎ 6 | 3°11 | S 16 |
| M17 | 12 2 36 | 2°36'01 | 0♓50 | 10°33 | 8°43 | 0°16 | 13°54 | 24°58 | 4°13 | 4°53 | 23°29 | 26°30 | 26°19 | 0°13 | 3°10 | M17 |
| T 18 | 12 6 33 | 3°35'00 | 15°49 | 12° 7 | 9°58 | 0° 3 | 13°57 | 25° 5 | 4°14 | 4°51 | 23°31 | 26°30 | 26°16 | 0°20 | 3° 9 | T 18 |
| W19 | 12 10 30 | 4°33'58 | 1♈ 0 | 13°43 | 11°12 | 29♌51 | 14° 0 | 25°13 | 4°14 | 4°50 | 23°32 | 26°R30 | 26°13 | 0°26 | 3° 8 | W19 |
| T 20 | 12 14 26 | 5°32'53 | 16°12 | 15°21 | 12°26 | 29°40 | 14° 3 | 25°20 | 4°15 | 4°48 | 23°33 | 26°30 | 26°10 | 0°33 | 3° 7 | T 20 |
| F 21 | 12 18 23 | 6°31'47 | 1♉16 | 17° 0 | 13°41 | 29°29 | 14° 6 | 25°28 | 4°16 | 4°47 | 23°34 | 26°29 | 26° 7 | 0°40 | 3° 7 | F 21 |
| S 22 | 12 22 19 | 7°30'38 | 16° 3 | 18°40 | 14°55 | 29°19 | 14° 9 | 25°35 | 4°17 | 4°46 | 23°36 | 26°28 | 26° 3 | 0°46 | 3° 6 | S 22 |
| S 23 | 12 26 16 | 8°29'27 | 0♊28 | 20°22 | 16° 9 | 29°10 | 14°13 | 25°43 | 4°18 | 4°44 | 23°37 | 26°27 | 26° 0 | 0°53 | 3° 5 | S 23 |
| M24 | 12 30 12 | 9°28'14 | 14°26 | 22° 6 | 17°23 | 29° 2 | 14°16 | 25°50 | 4°19 | 4°43 | 23°38 | 26°25 | 25°57 | 1° 0 | 3° 5 | M24 |
| T 25 | 12 34 9 | 10°26'59 | 27°57 | 23°51 | 18°38 | 28°55 | 14°20 | 25°58 | 4°20 | 4°42 | 23°40 | 26°24 | 25°54 | 1° 6 | 3° 4 | T 25 |
| W26 | 12 38 5 | 11°25'41 | 11♋ 2 | 25°37 | 19°52 | 28°48 | 14°24 | 26° 5 | 4°21 | 4°40 | 23°41 | 26°D24 | 25°51 | 1°13 | 3° 4 | W26 |
| T 27 | 12 42 2 | 12°24'21 | 23°43 | 27°25 | 21° 6 | 28°42 | 14°28 | 26°12 | 4°22 | 4°39 | 23°42 | 26°24 | 25°48 | 1°20 | 3° 4 | T 27 |
| F 28 | 12 45 59 | 13°22'59 | 6♌ 6 | 29°15 | 22°20 | 28°37 | 14°33 | 26°20 | 4°23 | 4°38 | 23°44 | 26°25 | 25°44 | 1°26 | 3°D 4 | F 28 |
| S 29 | 12 49 55 | 14°21'34 | 18°14 | 1♈ 6 | 23°34 | 28°33 | 14°37 | 26°27 | 4°24 | 4°37 | 23°45 | 26°27 | 25°41 | 1°33 | 3° 4 | S 29 |
| S 30 | 12 53 52 | 15°20'07 | 0♍12 | 2°59 | 24°48 | 28°30 | 14°42 | 26°34 | 4°25 | 4°36 | 23°47 | 26°28 | 25°38 | 1°39 | 3° 4 | S 30 |
| M31 | 12 57 48 | 16♈18'38 | 12♍ 2 | 4♈54 | 26♈ 2 | 28♌27 | 14♋47 | 26♓42 | 4♋26 | 4♍34 | 23♈48 | 26♓29 | 25♓35 | 1♎46 | 3♌ 5 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s14 | 21n49 | 3n54 | 16s11 | 1s 6 | 5s42 | 1s24 | 13n24 | 4n 1 | 23n25 | 0n34 | 4s45 | 2s 7 | 23n51 | 0n22 | 10n36 | 1n 4 | 6s 8 | 16s20 | 1s24 | 1s 8 | 0n31 | 12n42 | 6s54 |
| S 2 | 4 51 | 17 24 | 3 4 | 15 58 | 1 14 | 5 12 | 1 23 | 13 31 | 4 0 | 23 25 | 0 34 | 4 42 | 2 7 | 23 51 | 0 22 | 10 37 | 1 4 | 6 8 | 16 20 | 1 24 | 1 9 | 0 27 | 12 43 | 6 54 |
| M 3 | 4 28 | 12 21 | 2 6 | 15 44 | 1 22 | 4 42 | 1 22 | 13 37 | 3 58 | 23 25 | 0 34 | 4 39 | 2 7 | 23 51 | 0 22 | 10 37 | 1 4 | 6 7 | 16 20 | 1 25 | 1 10 | 0 24 | 12 44 | 6 53 |
| T 4 | 4 4 | 6 54 | 1 3 | 15 28 | 1 30 | 4 12 | 1 22 | 13 43 | 3 56 | 23 25 | 0 34 | 4 36 | 2 7 | 23 51 | 0 22 | 10 38 | 1 4 | 6 7 | 16 19 | 1 25 | 1 12 | 0 21 | 12 46 | 6 53 |
| W 5 | 3 41 | 1 14 | 0s 2 | 15 11 | 1 37 | 3 42 | 1 21 | 13 50 | 3 54 | 23 25 | 0 34 | 4 33 | 2 7 | 23 51 | 0 22 | 10 39 | 1 4 | 6 6 | 16 19 | 1 25 | 1 13 | 0 17 | 12 47 | 6 52 |
| T 6 | 3 17 | 4s28 | 1 7 | 14 52 | 1 43 | 3 11 | 1 20 | 13 55 | 3 52 | 23 25 | 0 34 | 4 30 | 2 7 | 23 51 | 0 22 | 10 39 | 1 4 | 6 5 | 16 19 | 1 25 | 1 14 | 0 14 | 12 48 | 6 52 |
| F 7 | 2 54 | 10 1 | 2 9 | 14 32 | 1 49 | 2 41 | 1 19 | 14 1 | 3 50 | 23 25 | 0 34 | 4 27 | 2 7 | 23 51 | 0 22 | 10 40 | 1 4 | 6 5 | 16 19 | 1 25 | 1 15 | 0 10 | 12 49 | 6 51 |
| S 8 | 2 30 | 15 15 | 3 6 | 14 10 | 1 55 | 2 10 | 1 18 | 14 6 | 3 48 | 23 25 | 0 34 | 4 24 | 2 7 | 23 51 | 0 22 | 10 40 | 1 4 | 6 4 | 16 19 | 1 25 | 1 17 | 0 7 | 12 50 | 6 50 |
| S 9 | 2 7 | 19 58 | 3 56 | 13 47 | 2 0 | 1 40 | 1 17 | 14 11 | 3 46 | 23 25 | 0 34 | 4 21 | 2 7 | 23 51 | 0 22 | 10 41 | 1 4 | 6 4 | 16 18 | 1 25 | 1 18 | 0 3 | 12 51 | 6 50 |
| M10 | 1 43 | 23 55 | 4 35 | 13 22 | 2 5 | 1 9 | 1 16 | 14 16 | 3 44 | 23 25 | 0 34 | 4 18 | 2 7 | 23 51 | 0 22 | 10 41 | 1 4 | 6 3 | 16 18 | 1 24 | 1 19 | 0s 0 | 12 52 | 6 49 |
| T 11 | 1 19 | 26 52 | 5 3 | 12 56 | 2 9 | 0 38 | 1 15 | 14 20 | 3 42 | 23 24 | 0 34 | 4 15 | 2 7 | 23 51 | 0 22 | 10 42 | 1 4 | 6 2 | 16 18 | 1 24 | 1 21 | 0 4 | 12 53 | 6 48 |
| W12 | 0 56 | 28 33 | 5 17 | 12 29 | 2 12 | 0 7 | 1 14 | 14 24 | 3 40 | 23 24 | 0 34 | 4 12 | 2 7 | 23 51 | 0 22 | 10 43 | 1 4 | 6 2 | 16 18 | 1 24 | 1 22 | 0 7 | 12 54 | 6 48 |
| T 13 | 0 32 | 28 43 | 5 15 | 12 0 | 2 16 | 0n24 | 1 13 | 14 28 | 3 37 | 23 24 | 0 34 | 4 9 | 2 7 | 23 51 | 0 22 | 10 43 | 1 4 | 6 1 | 16 18 | 1 24 | 1 23 | 0 11 | 12 55 | 6 47 |
| F 14 | 0 8 | 27 14 | 4 56 | 11 30 | 2 18 | 0 54 | 1 11 | 14 31 | 3 35 | 23 24 | 0 34 | 4 6 | 2 7 | 23 51 | 0 22 | 10 44 | 1 4 | 6 1 | 16 18 | 1 24 | 1 24 | 0 14 | 12 56 | 6 46 |
| S 15 | 0n15 | 24 3 | 4 19 | 10 59 | 2 21 | 1 25 | 1 10 | 14 35 | 3 33 | 23 24 | 0 34 | 4 3 | 2 7 | 23 51 | 0 22 | 10 44 | 1 4 | 6 0 | 16 18 | 1 24 | 1 26 | 0 18 | 12 57 | 6 46 |
| S 16 | 0 39 | 19 21 | 3 26 | 10 26 | 2 23 | 1 56 | 1 9 | 14 37 | 3 30 | 23 23 | 0 34 | 4 0 | 2 7 | 23 51 | 0 22 | 10 45 | 1 4 | 5 59 | 16 17 | 1 24 | 1 27 | 0 21 | 12 58 | 6 45 |
| M17 | 1 2 | 13 23 | 2 18 | 9 52 | 2 24 | 2 27 | 1 7 | 14 40 | 3 28 | 23 23 | 0 34 | 3 57 | 2 7 | 23 51 | 0 22 | 10 45 | 1 4 | 5 59 | 16 17 | 1 24 | 1 28 | 0 24 | 12 59 | 6 44 |
| T 18 | 1 26 | 6 31 | 0 59 | 9 16 | 2 25 | 2 57 | 1 6 | 14 42 | 3 25 | 23 23 | 0 34 | 3 54 | 2 7 | 23 51 | 0 22 | 10 46 | 1 4 | 5 58 | 16 17 | 1 24 | 1 29 | 0 28 | 13 0 | 6 44 |
| W19 | 1 49 | 0n47 | 0n25 | 8 40 | 2 25 | 3 28 | 1 4 | 14 44 | 3 23 | 23 23 | 0 34 | 3 51 | 2 7 | 23 51 | 0 22 | 10 46 | 1 4 | 5 58 | 16 17 | 1 24 | 1 31 | 0 31 | 13 1 | 6 43 |
| T 20 | 2 13 | 8 3 | 1 47 | 8 2 | 2 25 | 3 59 | 1 3 | 14 46 | 3 20 | 23 22 | 0 34 | 3 48 | 2 7 | 23 51 | 0 22 | 10 47 | 1 4 | 5 57 | 16 17 | 1 24 | 1 32 | 0 35 | 13 1 | 6 42 |
| F 21 | 2 36 | 14 48 | 3 1 | 7 22 | 2 24 | 4 29 | 1 1 | 14 47 | 3 17 | 23 22 | 0 34 | 3 45 | 2 7 | 23 51 | 0 22 | 10 47 | 1 4 | 5 57 | 16 17 | 1 24 | 1 33 | 0 38 | 13 2 | 6 42 |
| S 22 | 3 0 | 20 35 | 4 2 | 6 42 | 2 23 | 5 0 | 0 59 | 14 48 | 3 15 | 23 22 | 0 34 | 3 42 | 2 7 | 23 51 | 0 22 | 10 48 | 1 4 | 5 56 | 16 17 | 1 25 | 1 34 | 0 42 | 13 3 | 6 41 |
| S 23 | 3 23 | 24 59 | 4 45 | 6 0 | 2 21 | 5 30 | 0 58 | 14 49 | 3 12 | 23 21 | 0 34 | 3 40 | 2 7 | 23 51 | 0 22 | 10 48 | 1 4 | 5 55 | 16 17 | 1 25 | 1 36 | 0 45 | 13 4 | 6 40 |
| M24 | 3 46 | 27 46 | 5 10 | 5 17 | 2 19 | 6 0 | 0 56 | 14 49 | 3 10 | 23 21 | 0 34 | 3 37 | 2 7 | 23 51 | 0 22 | 10 49 | 1 3 | 5 55 | 16 16 | 1 26 | 1 37 | 0 49 | 13 5 | 6 40 |
| T 25 | 4 9 | 28 49 | 5 17 | 4 32 | 2 16 | 6 30 | 0 54 | 14 50 | 3 7 | 23 20 | 0 34 | 3 34 | 2 8 | 23 51 | 0 22 | 10 49 | 1 3 | 5 54 | 16 16 | 1 26 | 1 38 | 0 52 | 13 6 | 6 39 |
| W26 | 4 33 | 28 11 | 5 7 | 3 47 | 2 13 | 7 0 | 0 52 | 14 49 | 3 4 | 23 20 | 0 34 | 3 31 | 2 8 | 23 51 | 0 22 | 10 50 | 1 3 | 5 54 | 16 16 | 1 26 | 1 40 | 0 56 | 13 6 | 6 38 |
| T 27 | 4 56 | 26 5 | 4 42 | 3 0 | 2 9 | 7 30 | 0 50 | 14 49 | 3 2 | 23 20 | 0 34 | 3 28 | 2 8 | 23 51 | 0 22 | 10 50 | 1 3 | 5 53 | 16 16 | 1 26 | 1 41 | 0 59 | 13 7 | 6 37 |
| F 28 | 5 18 | 22 47 | 4 4 | 2 13 | 2 5 | 7 59 | 0 48 | 14 48 | 2 59 | 23 19 | 0 34 | 3 25 | 2 8 | 23 51 | 0 22 | 10 51 | 1 3 | 5 53 | 16 16 | 1 26 | 1 42 | 1 3 | 13 8 | 6 37 |
| S 29 | 5 41 | 18 33 | 3 16 | 1 24 | 2 0 | 8 29 | 0 46 | 14 47 | 2 56 | 23 19 | 0 34 | 3 22 | 2 8 | 23 51 | 0 22 | 10 51 | 1 3 | 5 52 | 16 16 | 1 25 | 1 43 | 1 6 | 13 8 | 6 36 |
| S 30 | 6 4 | 13 39 | 2 20 | 0 34 | 1 55 | 8 58 | 0 44 | 14 46 | 2 54 | 23 18 | 0 34 | 3 19 | 2 8 | 23 50 | 0 22 | 10 51 | 1 3 | 5 51 | 16 16 | 1 25 | 1 45 | 1 10 | 13 9 | 6 35 |
| M31 | 6n27 | 8n18 | 1n19 | 0n17 | 1s49 | 9n27 | 0s42 | 14n44 | 2n51 | 23n18 | 0n34 | 3s17 | 2s 8 | 23n50 | 0n22 | 10n52 | 1n 3 | 5s51 | 16s16 | 1s24 | 1s46 | 1s13 | 13n10 | 6s35 |

Julian Day Number = 2127640.5, Delta T = 17m01s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'36, Lahiri = 11°29'37 Julian Calendar 1 March 1113 == Greg. Calendar 8 March 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## APRIL 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 1 45 | 17♈17'07 | 23♍50 | 6♈50 | 27♈16 | 28°R25 | 14♋52 | 26♓49 | 4♋28 | 4°R33 | 23♈49 | 26°R30 | 25♓32 | 1♎53 | 3♌ 5 | T 1 |
| W 2 | 13 5 41 | 18°15'34 | 5♎37 | 8°48 | 28°30 | 28♌24 | 14°57 | 26°56 | 4°29 | 4♍32 | 23°51 | 26♓30 | 25°28 | 1°59 | 3° 5 | W 2 |
| T 3 | 13 9 38 | 19°13'59 | 17°27 | 10°47 | 29°44 | 28°D24 | 15° 2 | 27° 3 | 4°31 | 4°31 | 23°52 | 26°28 | 25°25 | 2° 6 | 3° 6 | T 3 |
| F 4 | 13 13 34 | 20°12'22 | 29°21 | 12°47 | 0♉58 | 28°24 | 15° 8 | 27°10 | 4°32 | 4°30 | 23°53 | 26°26 | 25°22 | 2°13 | 3° 7 | F 4 |
| S 5 | 13 17 31 | 21°10'43 | 11♏22 | 14°49 | 2°12 | 28°25 | 15°13 | 27°18 | 4°34 | 4°29 | 23°55 | 26°22 | 25°19 | 2°19 | 3° 7 | S 5 |
| S 6 | 13 21 27 | 22° 9'03 | 23°31 | 16°53 | 3°26 | 28°27 | 15°19 | 27°25 | 4°35 | 4°28 | 23°56 | 26°18 | 25°16 | 2°26 | 3° 8 | S 6 |
| M 7 | 13 25 24 | 23° 7'21 | 5♐50 | 18°58 | 4°40 | 28°30 | 15°25 | 27°32 | 4°37 | 4°27 | 23°58 | 26°14 | 25°13 | 2°33 | 3° 9 | M 7 |
| T 8 | 13 29 21 | 24° 5'37 | 18°22 | 21° 4 | 5°54 | 28°33 | 15°31 | 27°39 | 4°39 | 4°26 | 23°59 | 26°10 | 25° 9 | 2°39 | 3°11 | T 8 |
| W 9 | 13 33 17 | 25° 3'52 | 1♑ 7 | 23°11 | 7° 7 | 28°37 | 15°37 | 27°46 | 4°40 | 4°25 | 24° 0 | 26° 7 | 25° 6 | 2°46 | 3°12 | W 9 |
| T 10 | 13 37 14 | 26° 2'05 | 14°10 | 25°19 | 8°21 | 28°42 | 15°44 | 27°53 | 4°42 | 4°24 | 24° 2 | 26° 5 | 25° 3 | 2°53 | 3°13 | T 10 |
| F 11 | 13 41 10 | 27° 0'16 | 27°31 | 27°28 | 9°35 | 28°47 | 15°50 | 28° 0 | 4°44 | 4°23 | 24° 3 | 26°D 4 | 25° 0 | 2°59 | 3°14 | F 11 |
| S 12 | 13 45 7 | 27°58'26 | 11♒13 | 29°37 | 10°49 | 28°53 | 15°57 | 28° 7 | 4°46 | 4°22 | 24° 4 | 26° 5 | 24°57 | 3° 6 | 3°16 | S 12 |
| S 13 | 13 49 3 | 28°56'35 | 25°17 | 1♑46 | 12° 3 | 29° 0 | 16° 4 | 28°14 | 4°48 | 4°22 | 24° 6 | 26° 6 | 24°54 | 3°12 | 3°18 | S 13 |
| M14 | 13 53 0 | 29°54'42 | 9♓42 | 3°56 | 13°16 | 29° 7 | 16°11 | 28°20 | 4°50 | 4°21 | 24° 7 | 26° 7 | 24°50 | 3°19 | 3°19 | M14 |
| T 15 | 13 56 56 | 0♑52'47 | 24°25 | 6° 5 | 14°30 | 29°15 | 16°18 | 28°27 | 4°52 | 4°20 | 24° 9 | 26°R 8 | 24°47 | 3°26 | 3°21 | T 15 |
| W16 | 14 0 53 | 1°50'51 | 9♈23 | 8°14 | 15°44 | 29°24 | 16°25 | 28°34 | 4°54 | 4°19 | 24°10 | 26° 7 | 24°44 | 3°32 | 3°23 | W16 |
| T 17 | 14 4 50 | 2°48'54 | 24°26 | 10°22 | 16°57 | 29°33 | 16°32 | 28°41 | 4°56 | 4°19 | 24°11 | 26° 5 | 24°41 | 3°39 | 3°25 | T 17 |
| F 18 | 14 8 46 | 3°46'55 | 9♑27 | 12°29 | 18°11 | 29°43 | 16°40 | 28°47 | 4°58 | 4°18 | 24°13 | 26° 1 | 24°38 | 3°46 | 3°27 | F 18 |
| S 19 | 14 12 43 | 4°44'54 | 24°17 | 14°35 | 19°25 | 29°53 | 16°47 | 28°54 | 5° 0 | 4°17 | 24°14 | 25°56 | 24°34 | 3°52 | 3°30 | S 19 |
| S 20 | 14 16 39 | 5°42'52 | 8♊47 | 16°39 | 20°38 | 0♍ 4 | 16°55 | 29° 1 | 5° 2 | 4°17 | 24°15 | 25°50 | 24°31 | 3°59 | 3°32 | S 20 |
| M21 | 14 20 36 | 6°40'48 | 22°52 | 18°41 | 21°52 | 0°16 | 17° 3 | 29° 7 | 5° 5 | 4°16 | 24°17 | 25°44 | 24°28 | 4° 6 | 3°34 | M21 |
| T 22 | 14 24 32 | 7°38'42 | 6♋30 | 20°40 | 23° 6 | 0°28 | 17°11 | 29°14 | 5° 7 | 4°16 | 24°18 | 25°39 | 24°25 | 4°12 | 3°37 | T 22 |
| W23 | 14 28 29 | 8°36'35 | 19°40 | 22°38 | 24°19 | 0°41 | 17°19 | 29°20 | 5° 9 | 4°15 | 24°19 | 25°35 | 24°22 | 4°19 | 3°40 | W23 |
| T 24 | 14 32 25 | 9°34'25 | 2♌25 | 24°33 | 25°33 | 0°54 | 17°27 | 29°26 | 5°12 | 4°15 | 24°21 | 25°34 | 24°19 | 4°26 | 3°42 | T 24 |
| F 25 | 14 36 22 | 10°32'14 | 14°49 | 26°25 | 26°46 | 1° 8 | 17°36 | 29°33 | 5°14 | 4°14 | 24°22 | 25°D33 | 24°15 | 4°32 | 3°45 | F 25 |
| S 26 | 14 40 19 | 11°30'01 | 26°56 | 28°14 | 28° 0 | 1°22 | 17°44 | 29°39 | 5°16 | 4°14 | 24°23 | 25°34 | 24°12 | 4°39 | 3°48 | S 26 |
| S 27 | 14 44 15 | 12°27'46 | 8♍51 | 0♊ 0 | 29°13 | 1°37 | 17°53 | 29°45 | 5°19 | 4°13 | 24°25 | 25°36 | 24° 9 | 4°46 | 3°51 | S 27 |
| M28 | 14 48 12 | 13°25'30 | 20°39 | 1°43 | 0♊27 | 1°52 | 18° 2 | 29°52 | 5°21 | 4°13 | 24°26 | 25°R37 | 24° 6 | 4°52 | 3°54 | M28 |
| T 29 | 14 52 8 | 14°23'12 | 2♎26 | 3°23 | 1°40 | 2° 8 | 18°10 | 29°58 | 5°24 | 4°12 | 24°27 | 25°37 | 24° 3 | 4°59 | 3°57 | T 29 |
| W30 | 14 56 5 | 15♑20'52 | 14♎15 | 5♊ 0 | 2♊53 | 2♍24 | 18♋19 | 0♈ 4 | 5♋27 | 4♍12 | 24♈29 | 25♓35 | 23♓59 | 5♎ 5 | 4♌ 1 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n49 | 2n41 | 0n15 | 1n 9 | 1s43 | 9n56 | 0s40 | 14n43 | 2n48 | 23n17 | 0n34 | 3s14 | 2s 8 | 23n50 | 0n21 | 10n52 | 1n 3 | 5s50 | 16s16 | 1s24 | 1s47 | 1s16 | 13n10 | 6s34 |
| W 2 | 7 12 | 3s 0 | 0s50 | 2 2 | 1 36 | 10 24 | 0 38 | 14 40 | 2 46 | 23 16 | 0 34 | 3 11 | 2 8 | 23 50 | 0 21 | 10 53 | 1 3 | 5 50 | 16 16 | 1 24 | 1 48 | 1 20 | 13 11 | 6 33 |
| T 3 | 7 34 | 8 37 | 1 53 | 2 55 | 1 29 | 10 53 | 0 36 | 14 38 | 2 43 | 23 16 | 0 34 | 3 8 | 2 8 | 23 50 | 0 21 | 10 53 | 1 3 | 5 49 | 16 16 | 1 25 | 1 50 | 1 23 | 13 11 | 6 32 |
| F 4 | 7 56 | 13 58 | 2 51 | 3 50 | 1 21 | 11 21 | 0 34 | 14 36 | 2 41 | 23 15 | 0 34 | 3 6 | 2 8 | 23 50 | 0 21 | 10 53 | 1 3 | 5 49 | 16 16 | 1 26 | 1 51 | 1 27 | 13 12 | 6 32 |
| S 5 | 8 18 | 18 50 | 3 42 | 4 45 | 1 13 | 11 48 | 0 31 | 14 33 | 2 38 | 23 15 | 0 34 | 3 3 | 2 9 | 23 50 | 0 21 | 10 54 | 1 3 | 5 48 | 16 16 | 1 27 | 1 52 | 1 30 | 13 13 | 6 31 |
| S 6 | 8 40 | 23 0 | 4 24 | 5 41 | 1 4 | 12 16 | 0 29 | 14 30 | 2 35 | 23 14 | 0 34 | 3 0 | 2 9 | 23 50 | 0 21 | 10 54 | 1 3 | 5 48 | 16 16 | 1 29 | 1 53 | 1 34 | 13 13 | 6 30 |
| M 7 | 9 2 | 26 12 | 4 54 | 6 37 | 0 55 | 12 43 | 0 27 | 14 26 | 2 33 | 23 13 | 0 34 | 2 57 | 2 9 | 23 50 | 0 21 | 10 54 | 1 3 | 5 47 | 16 16 | 1 30 | 1 55 | 1 37 | 13 14 | 6 30 |
| T 8 | 9 23 | 28 12 | 5 11 | 7 33 | 0 46 | 13 10 | 0 24 | 14 23 | 2 30 | 23 13 | 0 34 | 2 55 | 2 9 | 23 50 | 0 21 | 10 55 | 1 3 | 5 47 | 16 16 | 1 32 | 1 56 | 1 41 | 13 14 | 6 29 |
| W 9 | 9 45 | 28 45 | 5 12 | 8 30 | 0 36 | 13 37 | 0 22 | 14 19 | 2 28 | 23 12 | 0 34 | 2 52 | 2 9 | 23 50 | 0 21 | 10 55 | 1 3 | 5 46 | 16 16 | 1 33 | 1 57 | 1 44 | 13 14 | 6 28 |
| T 10 | 10 6 | 27 44 | 4 58 | 9 26 | 0 26 | 14 3 | 0 20 | 14 15 | 2 25 | 23 11 | 0 34 | 2 49 | 2 9 | 23 50 | 0 21 | 10 55 | 1 3 | 5 46 | 16 16 | 1 34 | 1 59 | 1 48 | 13 15 | 6 27 |
| F 11 | 10 27 | 25 8 | 4 28 | 10 23 | 0 16 | 14 29 | 0 17 | 14 11 | 2 23 | 23 10 | 0 34 | 2 47 | 2 9 | 23 50 | 0 21 | 10 56 | 1 3 | 5 45 | 16 16 | 1 34 | 2 0 | 1 51 | 13 15 | 6 27 |
| S 12 | 10 48 | 21 2 | 3 41 | 11 19 | 0 5 | 14 54 | 0 15 | 14 6 | 2 20 | 23 10 | 0 34 | 2 44 | 2 9 | 23 50 | 0 21 | 10 56 | 1 3 | 5 45 | 16 16 | 1 34 | 2 1 | 1 54 | 13 16 | 6 26 |
| S 13 | 11 9 | 15 41 | 2 41 | 12 14 | 0n 5 | 15 20 | 0 13 | 14 2 | 2 18 | 23 9 | 0 34 | 2 41 | 2 10 | 23 50 | 0 21 | 10 56 | 1 3 | 5 44 | 16 16 | 1 34 | 2 2 | 1 58 | 13 16 | 6 25 |
| M14 | 11 30 | 9 20 | 1 29 | 13 9 | 0 16 | 15 44 | 0 10 | 13 57 | 2 15 | 23 8 | 0 34 | 2 39 | 2 10 | 23 49 | 0 21 | 10 57 | 1 3 | 5 44 | 16 16 | 1 33 | 2 4 | 2 1 | 13 16 | 6 24 |
| T 15 | 11 50 | 2 22 | 0 9 | 14 2 | 0 27 | 16 9 | 0 8 | 13 52 | 2 13 | 23 7 | 0 34 | 2 36 | 2 10 | 23 49 | 0 21 | 10 57 | 1 3 | 5 43 | 16 16 | 1 33 | 2 5 | 2 5 | 13 17 | 6 24 |
| W16 | 12 10 | 4n50 | 1n12 | 14 55 | 0 37 | 16 33 | 0 5 | 13 47 | 2 11 | 23 6 | 0 34 | 2 33 | 2 10 | 23 49 | 0 21 | 10 57 | 1 3 | 5 43 | 16 16 | 1 33 | 2 6 | 2 8 | 13 17 | 6 23 |
| T 17 | 12 31 | 11 49 | 2 28 | 15 46 | 0 48 | 16 56 | 0 3 | 13 41 | 2 8 | 23 5 | 0 34 | 2 31 | 2 10 | 23 49 | 0 21 | 10 57 | 1 3 | 5 43 | 16 16 | 1 34 | 2 7 | 2 12 | 13 17 | 6 22 |
| F 18 | 12 50 | 18 5 | 3 34 | 16 35 | 0 58 | 17 20 | 0 0 | 13 36 | 2 6 | 23 4 | 0 34 | 2 28 | 2 10 | 23 49 | 0 21 | 10 58 | 1 3 | 5 42 | 16 16 | 1 35 | 2 9 | 2 15 | 13 17 | 6 22 |
| S 19 | 13 10 | 23 12 | 4 25 | 17 22 | 1 8 | 17 42 | 0n 2 | 13 30 | 2 4 | 23 3 | 0 34 | 2 26 | 2 10 | 23 49 | 0 21 | 10 58 | 1 3 | 5 42 | 16 16 | 1 38 | 2 10 | 2 19 | 13 17 | 6 21 |
| S 20 | 13 29 | 26 45 | 4 57 | 18 8 | 1 17 | 18 5 | 0 5 | 13 24 | 2 1 | 23 2 | 0 34 | 2 23 | 2 11 | 23 49 | 0 21 | 10 58 | 1 3 | 5 41 | 16 16 | 1 40 | 2 11 | 2 22 | 13 18 | 6 20 |
| M21 | 13 49 | 28 31 | 5 10 | 18 51 | 1 26 | 18 26 | 0 7 | 13 17 | 1 59 | 23 1 | 0 34 | 2 21 | 2 11 | 23 49 | 0 21 | 10 58 | 1 3 | 5 41 | 16 16 | 1 42 | 2 12 | 2 26 | 13 18 | 6 19 |
| T 22 | 14 8 | 28 28 | 5 5 | 19 32 | 1 35 | 18 48 | 0 10 | 13 11 | 1 57 | 23 0 | 0 34 | 2 18 | 2 11 | 23 49 | 0 21 | 10 58 | 1 3 | 5 40 | 16 16 | 1 44 | 2 14 | 2 29 | 13 18 | 6 19 |
| W23 | 14 26 | 26 47 | 4 43 | 20 10 | 1 43 | 19 9 | 0 12 | 13 4 | 1 55 | 22 59 | 0 34 | 2 16 | 2 11 | 23 49 | 0 21 | 10 59 | 1 3 | 5 40 | 16 16 | 1 46 | 2 15 | 2 32 | 13 18 | 6 18 |
| T 24 | 14 45 | 23 45 | 4 9 | 20 47 | 1 50 | 19 29 | 0 15 | 12 57 | 1 52 | 22 58 | 0 34 | 2 14 | 2 11 | 23 49 | 0 21 | 10 59 | 1 3 | 5 40 | 16 16 | 1 46 | 2 16 | 2 36 | 13 18 | 6 17 |
| F 25 | 15 3 | 19 42 | 3 23 | 21 20 | 1 57 | 19 49 | 0 17 | 12 50 | 1 50 | 22 57 | 0 34 | 2 11 | 2 11 | 23 48 | 0 21 | 10 59 | 1 3 | 5 39 | 16 16 | 1 46 | 2 18 | 2 39 | 13 18 | 6 17 |
| S 26 | 15 21 | 14 56 | 2 29 | 21 51 | 2 3 | 20 8 | 0 20 | 12 43 | 1 48 | 22 56 | 0 34 | 2 9 | 2 11 | 23 48 | 0 21 | 10 59 | 1 3 | 5 39 | 16 16 | 1 46 | 2 19 | 2 43 | 13 18 | 6 16 |
| S 27 | 15 39 | 9 41 | 1 30 | 22 20 | 2 8 | 20 27 | 0 22 | 12 36 | 1 46 | 22 55 | 0 34 | 2 7 | 2 12 | 23 48 | 0 21 | 10 59 | 1 3 | 5 38 | 16 16 | 1 46 | 2 20 | 2 46 | 13 18 | 6 15 |
| M28 | 15 57 | 4 8 | 0 27 | 22 46 | 2 12 | 20 45 | 0 25 | 12 28 | 1 44 | 22 54 | 0 34 | 2 4 | 2 12 | 23 48 | 0 21 | 10 59 | 1 3 | 5 38 | 16 16 | 1 45 | 2 21 | 2 50 | 13 18 | 6 15 |
| T 29 | 16 14 | 1s32 | 0s37 | 23 9 | 2 16 | 21 3 | 0 27 | 12 21 | 1 42 | 22 53 | 0 34 | 2 2 | 2 12 | 23 48 | 0 21 | 10 59 | 1 3 | 5 38 | 16 16 | 1 45 | 2 23 | 2 53 | 13 18 | 6 14 |
| W30 | 16n31 | 7s10 | 1s39 | 23n31 | 2n19 | 21n20 | 0n30 | 12n13 | 1n40 | 22n51 | 0n34 | 2s 0 | 2s12 | 23n48 | 0n21 | 10n59 | 1n 3 | 5s37 | 16s16 | 1s46 | 2s24 | 2s57 | 13n18 | 6s13 |

Julian Day Number = 2127671.5, Delta T = 17m01s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'41, Lahiri = 11°29'41 Julian Calendar 1 Apr. 1113 == Greg. Calendar 8 Apr. 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## MAY 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 0 1 | 16♉18'31 | 26♎ 9 | 6♊34 | 4♊ 7 | 2♍41 | 18♋28 | 0♈10 | 5♋29 | 4°R12 | 24♈30 | 25°R31 | 23♓56 | 5♎12 | 4♌ 4 | T 1 |
| F 2 | 15 3 58 | 17°16'08 | 8♏11 | 8° 4 | 5°20 | 2°58 | 18°37 | 0°16 | 5°32 | 4♍12 | 24°31 | 25♓24 | 23°53 | 5°19 | 4° 8 | F 2 |
| S 3 | 15 7 54 | 18°13'45 | 20°24 | 9°31 | 6°33 | 3°16 | 18°47 | 0°22 | 5°35 | 4°11 | 24°32 | 25°16 | 23°50 | 5°25 | 4°11 | S 3 |
| S 4 | 15 11 51 | 19°11'20 | 2♐47 | 10°54 | 7°47 | 3°34 | 18°56 | 0°28 | 5°37 | 4°11 | 24°34 | 25° 7 | 23°47 | 5°32 | 4°15 | S 4 |
| M 5 | 15 15 48 | 20° 8'54 | 15°22 | 12°14 | 9° 0 | 3°53 | 19° 6 | 0°33 | 5°40 | 4°11 | 24°35 | 24°57 | 23°44 | 5°39 | 4°19 | M 5 |
| T 6 | 15 19 44 | 21° 6'26 | 28° 9 | 13°31 | 10°13 | 4°12 | 19°15 | 0°39 | 5°43 | 4°11 | 24°36 | 24°48 | 23°40 | 5°45 | 4°22 | T 6 |
| W 7 | 15 23 41 | 22° 3'58 | 11♑ 9 | 14°43 | 11°26 | 4°31 | 19°25 | 0°45 | 5°46 | 4°11 | 24°38 | 24°40 | 23°37 | 5°52 | 4°26 | W 7 |
| T 8 | 15 27 37 | 23° 1'29 | 24°22 | 15°53 | 12°40 | 4°51 | 19°35 | 0°50 | 5°49 | 4°11 | 24°39 | 24°34 | 23°34 | 5°59 | 4°30 | T 8 |
| F 9 | 15 31 34 | 23°58'59 | 7♒48 | 16°58 | 13°53 | 5°11 | 19°44 | 0°56 | 5°52 | 4°D11 | 24°40 | 24°31 | 23°31 | 6° 5 | 4°34 | F 9 |
| S 10 | 15 35 30 | 24°56'28 | 21°28 | 18° 0 | 15° 6 | 5°31 | 19°54 | 1° 1 | 5°54 | 4°11 | 24°41 | 24°D30 | 23°28 | 6°12 | 4°39 | S 10 |
| S 11 | 15 39 27 | 25°53'56 | 5♓24 | 18°58 | 16°19 | 5°52 | 20° 4 | 1° 7 | 5°57 | 4°11 | 24°42 | 24°30 | 23°25 | 6°19 | 4°43 | S 11 |
| M12 | 15 43 23 | 26°51'24 | 19°34 | 19°53 | 17°32 | 6°14 | 20°14 | 1°12 | 6° 0 | 4°11 | 24°44 | 24°R31 | 23°21 | 6°25 | 4°47 | M12 |
| T 13 | 15 47 20 | 27°48'51 | 3♈59 | 20°43 | 18°45 | 6°35 | 20°25 | 1°17 | 6° 3 | 4°11 | 24°45 | 24°30 | 23°18 | 6°32 | 4°52 | T 13 |
| W14 | 15 51 17 | 28°46'17 | 18°35 | 21°29 | 19°58 | 6°58 | 20°35 | 1°23 | 6° 6 | 4°11 | 24°46 | 24°28 | 23°15 | 6°39 | 4°56 | W14 |
| T 15 | 15 55 13 | 29°43'42 | 3♉18 | 22°12 | 21°11 | 7°20 | 20°45 | 1°28 | 6°10 | 4°11 | 24°47 | 24°24 | 23°12 | 6°45 | 5° 1 | T 15 |
| F 16 | 15 59 10 | 0♊41'06 | 18° 2 | 22°50 | 22°24 | 7°43 | 20°56 | 1°33 | 6°13 | 4°12 | 24°48 | 24°17 | 23° 9 | 6°52 | 5° 6 | F 16 |
| S 17 | 16 3 6 | 1°38'30 | 2♊38 | 23°23 | 23°37 | 8° 6 | 21° 6 | 1°38 | 6°16 | 4°12 | 24°49 | 24° 8 | 23° 5 | 6°59 | 5°10 | S 17 |
| S 18 | 16 7 3 | 2°35'53 | 17° 0 | 23°53 | 24°50 | 8°29 | 21°17 | 1°43 | 6°19 | 4°12 | 24°51 | 23°57 | 23° 2 | 7° 5 | 5°15 | S 18 |
| M19 | 16 10 59 | 3°33'15 | 1♋ 1 | 24°18 | 26° 3 | 8°53 | 21°28 | 1°48 | 6°22 | 4°12 | 24°52 | 23°47 | 22°59 | 7°12 | 5°20 | M19 |
| T 20 | 16 14 56 | 4°30'37 | 14°38 | 24°38 | 27°16 | 9°17 | 21°39 | 1°52 | 6°25 | 4°13 | 24°53 | 23°38 | 22°56 | 7°18 | 5°25 | T 20 |
| W21 | 16 18 53 | 5°27'57 | 27°49 | 24°54 | 28°29 | 9°42 | 21°50 | 1°57 | 6°29 | 4°13 | 24°54 | 23°30 | 22°53 | 7°25 | 5°30 | W21 |
| T 22 | 16 22 49 | 6°25'16 | 10♌36 | 25° 6 | 29°42 | 10° 7 | 22° 0 | 2° 2 | 6°32 | 4°13 | 24°55 | 23°25 | 22°50 | 7°32 | 5°35 | T 22 |
| F 23 | 16 26 46 | 7°22'34 | 23° 1 | 25°13 | 0♋55 | 10°32 | 22°12 | 2° 6 | 6°35 | 4°14 | 24°56 | 23°23 | 22°46 | 7°38 | 5°40 | F 23 |
| S 24 | 16 30 42 | 8°19'51 | 5♍ 9 | 25°R15 | 2° 8 | 10°57 | 22°23 | 2°11 | 6°38 | 4°14 | 24°57 | 23°D22 | 22°43 | 7°45 | 5°46 | S 24 |
| S 25 | 16 34 39 | 9°17'07 | 17° 5 | 25°13 | 3°21 | 11°23 | 22°34 | 2°15 | 6°42 | 4°15 | 24°58 | 23°R22 | 22°40 | 7°52 | 5°51 | S 25 |
| M26 | 16 38 35 | 10°14'22 | 28°54 | 25° 6 | 4°33 | 11°49 | 22°45 | 2°20 | 6°45 | 4°15 | 24°59 | 23°22 | 22°37 | 7°58 | 5°57 | M26 |
| T 27 | 16 42 32 | 11°11'37 | 10♎42 | 24°55 | 5°46 | 12°15 | 22°56 | 2°24 | 6°48 | 4°16 | 25° 0 | 23°21 | 22°34 | 8° 5 | 6° 2 | T 27 |
| W28 | 16 46 28 | 12° 8'50 | 22°34 | 24°40 | 6°59 | 12°41 | 23° 8 | 2°28 | 6°52 | 4°17 | 25° 1 | 23°18 | 22°31 | 8°12 | 6° 8 | W28 |
| T 29 | 16 50 25 | 13° 6'03 | 4♏33 | 24°21 | 8°11 | 13° 8 | 23°19 | 2°32 | 6°55 | 4°17 | 25° 2 | 23°12 | 22°27 | 8°18 | 6°13 | T 29 |
| F 30 | 16 54 22 | 14° 3'16 | 16°44 | 23°59 | 9°24 | 13°35 | 23°31 | 2°36 | 6°59 | 4°18 | 25° 3 | 23° 4 | 22°24 | 8°25 | 6°19 | F 30 |
| S 31 | 16 58 18 | 15♊ 0'27 | 29♏ 9 | 23♊33 | 10♋37 | 14♍ 2 | 23♋42 | 2♈40 | 7♋ 2 | 4♍18 | 25♈ 4 | 22♓53 | 22♓21 | 8♎32 | 6♌25 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n48 | 12s35 | 2s37 | 23n49 | 2n21 | 21n36 | 0n32 | 12n 5 | 1n38 | 22n50 | 0n34 | 1s57 | 2s12 | 23n48 | 0n21 | 11n 0 | 1n 3 | 5s37 | 16s17 | 1s48 | 2s25 | 3s 0 | 13n18 | 6s13 |
| F 2 | 17 4 | 17 35 | 3 29 | 24 6 | 2 22 | 21 52 | 0 35 | 11 57 | 1 36 | 22 49 | 0 34 | 1 55 | 2 13 | 23 48 | 0 21 | 11 0 | 1 3 | 5 36 | 16 17 | 1 50 | 2 26 | 3 3 | 13 18 | 6 12 |
| S 3 | 17 20 | 21 58 | 4 11 | 24 20 | 2 22 | 22 7 | 0 37 | 11 49 | 1 34 | 22 48 | 0 34 | 1 53 | 2 13 | 23 48 | 0 21 | 11 0 | 1 3 | 5 36 | 16 17 | 1 53 | 2 28 | 3 7 | 13 17 | 6 11 |
| S 4 | 17 36 | 25 26 | 4 43 | 24 32 | 2 22 | 22 22 | 0 40 | 11 40 | 1 32 | 22 46 | 0 34 | 1 51 | 2 13 | 23 47 | 0 21 | 11 0 | 1 3 | 5 36 | 16 17 | 1 57 | 2 29 | 3 10 | 13 17 | 6 11 |
| M 5 | 17 52 | 27 44 | 5 1 | 24 42 | 2 21 | 22 36 | 0 42 | 11 31 | 1 30 | 22 45 | 0 34 | 1 49 | 2 13 | 23 47 | 0 21 | 11 0 | 1 3 | 5 35 | 16 17 | 2 1 | 2 30 | 3 14 | 13 17 | 6 10 |
| T 6 | 18 7 | 28 37 | 5 5 | 24 49 | 2 18 | 22 49 | 0 44 | 11 23 | 1 28 | 22 44 | 0 34 | 1 47 | 2 13 | 23 47 | 0 21 | 11 0 | 1 3 | 5 35 | 16 17 | 2 5 | 2 31 | 3 17 | 13 17 | 6 9 |
| W 7 | 18 22 | 27 57 | 4 53 | 24 55 | 2 15 | 23 2 | 0 47 | 11 14 | 1 26 | 22 42 | 0 34 | 1 45 | 2 14 | 23 47 | 0 21 | 11 0 | 1 3 | 5 35 | 16 17 | 2 8 | 2 33 | 3 21 | 13 16 | 6 9 |
| T 8 | 18 37 | 25 42 | 4 25 | 24 59 | 2 11 | 23 14 | 0 49 | 11 5 | 1 24 | 22 41 | 0 34 | 1 42 | 2 14 | 23 47 | 0 21 | 11 0 | 1 3 | 5 35 | 16 17 | 2 10 | 2 34 | 3 24 | 13 16 | 6 8 |
| F 9 | 18 52 | 22 0 | 3 43 | 25 1 | 2 7 | 23 26 | 0 51 | 10 56 | 1 22 | 22 40 | 0 34 | 1 40 | 2 14 | 23 47 | 0 21 | 11 0 | 1 3 | 5 34 | 16 18 | 2 11 | 2 35 | 3 28 | 13 16 | 6 7 |
| S 10 | 19 6 | 17 3 | 2 47 | 25 1 | 2 1 | 23 37 | 0 54 | 10 46 | 1 20 | 22 38 | 0 34 | 1 38 | 2 14 | 23 47 | 0 21 | 11 0 | 1 3 | 5 34 | 16 18 | 2 12 | 2 36 | 3 31 | 13 15 | 6 7 |
| S 11 | 19 20 | 11 8 | 1 40 | 25 0 | 1 55 | 23 47 | 0 56 | 10 37 | 1 18 | 22 37 | 0 34 | 1 36 | 2 14 | 23 46 | 0 21 | 11 0 | 1 3 | 5 34 | 16 18 | 2 12 | 2 38 | 3 34 | 13 15 | 6 6 |
| M12 | 19 33 | 4 33 | 0 26 | 24 57 | 1 47 | 23 56 | 0 58 | 10 27 | 1 16 | 22 35 | 0 34 | 1 34 | 2 15 | 23 46 | 0 21 | 11 0 | 1 3 | 5 33 | 16 18 | 2 11 | 2 39 | 3 38 | 13 15 | 6 5 |
| T 13 | 19 46 | 2n22 | 0n50 | 24 53 | 1 39 | 24 5 | 1 0 | 10 17 | 1 15 | 22 34 | 0 34 | 1 33 | 2 15 | 23 46 | 0 21 | 11 0 | 1 2 | 5 33 | 16 18 | 2 12 | 2 40 | 3 41 | 13 14 | 6 5 |
| W14 | 19 59 | 9 14 | 2 5 | 24 47 | 1 30 | 24 13 | 1 3 | 10 8 | 1 13 | 22 32 | 0 34 | 1 31 | 2 15 | 23 46 | 0 21 | 10 59 | 1 2 | 5 33 | 16 18 | 2 12 | 2 42 | 3 45 | 13 14 | 6 4 |
| T 15 | 20 12 | 15 40 | 3 11 | 24 40 | 1 20 | 24 20 | 1 5 | 9 58 | 1 11 | 22 31 | 0 34 | 1 29 | 2 15 | 23 46 | 0 21 | 10 59 | 1 2 | 5 33 | 16 19 | 2 14 | 2 43 | 3 48 | 13 13 | 6 4 |
| F 16 | 20 24 | 21 12 | 4 5 | 24 31 | 1 10 | 24 27 | 1 7 | 9 47 | 1 9 | 22 29 | 0 34 | 1 27 | 2 15 | 23 46 | 0 21 | 10 59 | 1 2 | 5 32 | 16 19 | 2 17 | 2 44 | 3 52 | 13 13 | 6 3 |
| S 17 | 20 35 | 25 24 | 4 42 | 24 22 | 0 58 | 24 33 | 1 9 | 9 37 | 1 8 | 22 27 | 0 34 | 1 25 | 2 16 | 23 46 | 0 21 | 10 59 | 1 2 | 5 32 | 16 19 | 2 21 | 2 45 | 3 55 | 13 12 | 6 2 |
| S 18 | 20 47 | 27 54 | 5 0 | 24 11 | 0 46 | 24 38 | 1 11 | 9 27 | 1 6 | 22 26 | 0 34 | 1 23 | 2 16 | 23 45 | 0 21 | 10 59 | 1 2 | 5 32 | 16 19 | 2 25 | 2 47 | 3 58 | 13 12 | 6 2 |
| M19 | 20 58 | 28 33 | 5 0 | 23 59 | 0 33 | 24 42 | 1 13 | 9 16 | 1 4 | 22 24 | 0 34 | 1 22 | 2 16 | 23 45 | 0 21 | 10 59 | 1 2 | 5 32 | 16 19 | 2 29 | 2 48 | 4 2 | 13 11 | 6 1 |
| T 20 | 21 9 | 27 26 | 4 43 | 23 47 | 0 20 | 24 46 | 1 15 | 9 6 | 1 3 | 22 22 | 0 34 | 1 20 | 2 16 | 23 45 | 0 21 | 10 59 | 1 2 | 5 31 | 16 19 | 2 33 | 2 49 | 4 5 | 13 10 | 6 1 |
| W21 | 21 19 | 24 47 | 4 11 | 23 33 | 0 5 | 24 49 | 1 16 | 8 55 | 1 1 | 22 21 | 0 34 | 1 18 | 2 17 | 23 45 | 0 21 | 10 59 | 1 2 | 5 31 | 16 20 | 2 36 | 2 50 | 4 9 | 13 10 | 6 0 |
| T 22 | 21 29 | 20 58 | 3 27 | 23 18 | 0s 9 | 24 52 | 1 18 | 8 44 | 0 59 | 22 19 | 0 34 | 1 17 | 2 17 | 23 45 | 0 21 | 10 58 | 1 2 | 5 31 | 16 20 | 2 37 | 2 52 | 4 12 | 13 9 | 6 0 |
| F 23 | 21 39 | 16 20 | 2 34 | 23 3 | 0 25 | 24 53 | 1 20 | 8 33 | 0 58 | 22 17 | 0 34 | 1 15 | 2 17 | 23 45 | 0 21 | 10 58 | 1 2 | 5 31 | 16 20 | 2 39 | 2 53 | 4 16 | 13 8 | 5 59 |
| S 24 | 21 48 | 11 9 | 1 35 | 22 47 | 0 41 | 24 54 | 1 22 | 8 22 | 0 56 | 22 15 | 0 34 | 1 14 | 2 17 | 23 45 | 0 21 | 10 58 | 1 2 | 5 31 | 16 20 | 2 39 | 2 54 | 4 19 | 13 8 | 5 58 |
| S 25 | 21 57 | 5 38 | 0 33 | 22 31 | 0 57 | 24 54 | 1 23 | 8 10 | 0 55 | 22 13 | 0 34 | 1 12 | 2 17 | 23 44 | 0 21 | 10 58 | 1 2 | 5 31 | 16 20 | 2 39 | 2 55 | 4 22 | 13 7 | 5 58 |
| M26 | 22 6 | 0s 1 | 0s29 | 22 14 | 1 14 | 24 54 | 1 25 | 7 59 | 0 53 | 22 12 | 0 34 | 1 10 | 2 18 | 23 44 | 0 21 | 10 58 | 1 2 | 5 30 | 16 21 | 2 39 | 2 57 | 4 26 | 13 6 | 5 57 |
| T 27 | 22 14 | 5 39 | 1 31 | 21 57 | 1 30 | 24 52 | 1 27 | 7 48 | 0 51 | 22 10 | 0 35 | 1 9 | 2 18 | 23 44 | 0 21 | 10 57 | 1 2 | 5 30 | 16 21 | 2 39 | 2 58 | 4 29 | 13 5 | 5 57 |
| W28 | 22 22 | 11 7 | 2 28 | 21 40 | 1 47 | 24 50 | 1 28 | 7 36 | 0 50 | 22 8 | 0 35 | 1 8 | 2 18 | 23 44 | 0 21 | 10 57 | 1 2 | 5 30 | 16 21 | 2 41 | 2 59 | 4 33 | 13 5 | 5 56 |
| T 29 | 22 29 | 16 14 | 3 20 | 21 22 | 2 4 | 24 47 | 1 29 | 7 24 | 0 48 | 22 6 | 0 35 | 1 6 | 2 18 | 23 44 | 0 21 | 10 57 | 1 2 | 5 30 | 16 21 | 2 43 | 3 0 | 4 36 | 13 4 | 5 56 |
| F 30 | 22 36 | 20 48 | 4 3 | 21 5 | 2 21 | 24 44 | 1 31 | 7 12 | 0 47 | 22 4 | 0 35 | 1 5 | 2 19 | 23 43 | 0 21 | 10 57 | 1 2 | 5 30 | 16 22 | 2 46 | 3 2 | 4 40 | 13 3 | 5 55 |
| S 31 | 22n43 | 24s32 | 4s35 | 20n47 | 2s37 | 24n40 | 1n32 | 7n 0 | 0n45 | 22n 2 | 0n35 | 1s 3 | 2s19 | 23n43 | 0n21 | 10n56 | 1n 2 | 5s30 | 16s22 | 2s50 | 3s 3 | 4s43 | 13n 2 | 5s55 |

Julian Day Number = 2127701.5, Delta T = 17m01s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'45, Lahiri = 11°29'45 Julian Calendar 1 May 1113 == Greg. Calendar 8 May 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## JUNE 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 2 15 | 15♊57'39 | 11♐48 | 23°R 4 | 11♋49 | 14♍30 | 23♋54 | 2♈44 | 7♋ 5 | 4♍19 | 25♈ 5 | 22°R41 | 22♓18 | 8♎38 | 6♌31 | S 1 |
| M 2 | 17 6 11 | 16°54'50 | 24°42 | 22♊33 | 13° 2 | 14°58 | 24° 6 | 2°48 | 7° 9 | 4°20 | 25° 6 | 22♓28 | 22°15 | 8°45 | 6°36 | M 2 |
| T 3 | 17 10 8 | 17°52'00 | 7♑50 | 22° 0 | 14°14 | 15°26 | 24°17 | 2°51 | 7°12 | 4°21 | 25° 7 | 22°16 | 22°11 | 8°52 | 6°42 | T 3 |
| W 4 | 17 14 4 | 18°49'11 | 21°11 | 21°26 | 15°27 | 15°54 | 24°29 | 2°55 | 7°16 | 4°22 | 25° 8 | 22° 6 | 22° 8 | 8°58 | 6°48 | W 4 |
| T 5 | 17 18 1 | 19°46'21 | 4♒42 | 20°51 | 16°39 | 16°23 | 24°41 | 2°58 | 7°19 | 4°22 | 25° 9 | 21°58 | 22° 5 | 9° 5 | 6°54 | T 5 |
| F 6 | 17 21 57 | 20°43'31 | 18°23 | 20°16 | 17°52 | 16°52 | 24°53 | 3° 2 | 7°23 | 4°23 | 25°10 | 21°53 | 22° 2 | 9°12 | 7° 1 | F 6 |
| S 7 | 17 25 54 | 21°40'41 | 2♓13 | 19°41 | 19° 4 | 17°21 | 25° 5 | 3° 5 | 7°27 | 4°24 | 25°10 | 21°51 | 21°59 | 9°18 | 7° 7 | S 7 |
| S 8 | 17 29 51 | 22°37'51 | 16°10 | 19° 7 | 20°17 | 17°50 | 25°17 | 3° 8 | 7°30 | 4°25 | 25°11 | 21°50 | 21°56 | 9°25 | 7°13 | S 8 |
| M 9 | 17 33 47 | 23°35'01 | 0♈15 | 18°35 | 21°29 | 18°19 | 25°29 | 3°11 | 7°34 | 4°26 | 25°12 | 21°50 | 21°52 | 9°31 | 7°19 | M 9 |
| T 10 | 17 37 44 | 24°32'12 | 14°27 | 18° 5 | 22°41 | 18°49 | 25°41 | 3°14 | 7°37 | 4°27 | 25°13 | 21°49 | 21°49 | 9°38 | 7°26 | T 10 |
| W11 | 17 41 40 | 25°29'22 | 28°44 | 17°38 | 23°53 | 19°19 | 25°54 | 3°17 | 7°41 | 4°28 | 25°14 | 21°47 | 21°46 | 9°45 | 7°32 | W11 |
| T 12 | 17 45 37 | 26°26'33 | 13♉ 4 | 17°14 | 25° 6 | 19°49 | 26° 6 | 3°20 | 7°44 | 4°29 | 25°14 | 21°42 | 21°43 | 9°51 | 7°39 | T 12 |
| F 13 | 17 49 33 | 27°23'44 | 27°23 | 16°54 | 26°18 | 20°19 | 26°18 | 3°23 | 7°48 | 4°30 | 25°15 | 21°34 | 21°40 | 9°58 | 7°45 | F 13 |
| S 14 | 17 53 30 | 28°20'56 | 11♊35 | 16°37 | 27°30 | 20°50 | 26°30 | 3°26 | 7°52 | 4°31 | 25°16 | 21°24 | 21°37 | 10° 5 | 7°52 | S 14 |
| S 15 | 17 57 26 | 29°18'07 | 25°37 | 16°25 | 28°42 | 21°21 | 26°43 | 3°28 | 7°55 | 4°32 | 25°17 | 21°12 | 21°33 | 10°11 | 7°58 | S 15 |
| M16 | 18 1 23 | 0♋15'19 | 9♋22 | 16°17 | 29°55 | 21°52 | 26°55 | 3°31 | 7°59 | 4°34 | 25°17 | 21° 0 | 21°30 | 10°18 | 8° 5 | M16 |
| T 17 | 18 5 20 | 1°12'30 | 22°48 | 16°D14 | 1♌ 7 | 22°23 | 27° 8 | 3°33 | 8° 2 | 4°35 | 25°18 | 20°50 | 21°27 | 10°25 | 8°12 | T 17 |
| W18 | 18 9 16 | 2° 9'42 | 5♌52 | 16°16 | 2°19 | 22°54 | 27°20 | 3°35 | 8° 6 | 4°36 | 25°19 | 20°41 | 21°24 | 10°31 | 8°18 | W18 |
| T 19 | 18 13 13 | 3° 6'53 | 18°35 | 16°23 | 3°31 | 23°26 | 27°33 | 3°37 | 8°10 | 4°37 | 25°19 | 20°35 | 21°21 | 10°38 | 8°25 | T 19 |
| F 20 | 18 17 9 | 4° 4'05 | 0♍58 | 16°36 | 4°43 | 23°58 | 27°45 | 3°40 | 8°13 | 4°38 | 25°20 | 20°31 | 21°17 | 10°45 | 8°32 | F 20 |
| S 21 | 18 21 6 | 5° 1'16 | 13° 5 | 16°53 | 5°55 | 24°30 | 27°58 | 3°42 | 8°17 | 4°40 | 25°20 | 20°30 | 21°14 | 10°51 | 8°39 | S 21 |
| S 22 | 18 25 2 | 5°58'27 | 25° 2 | 17°16 | 7° 7 | 25° 2 | 28°11 | 3°43 | 8°21 | 4°41 | 25°21 | 20°D30 | 21°11 | 10°58 | 8°46 | S 22 |
| M23 | 18 28 59 | 6°55'39 | 6♎52 | 17°44 | 8°18 | 25°34 | 28°23 | 3°45 | 8°24 | 4°42 | 25°22 | 20°R30 | 21° 8 | 11° 5 | 8°53 | M23 |
| T 24 | 18 32 55 | 7°52'50 | 18°41 | 18°17 | 9°30 | 26° 6 | 28°36 | 3°47 | 8°28 | 4°44 | 25°22 | 20°29 | 21° 5 | 11°11 | 9° 0 | T 24 |
| W25 | 18 36 52 | 8°50'02 | 0♏35 | 18°56 | 10°42 | 26°39 | 28°49 | 3°48 | 8°32 | 4°45 | 25°23 | 20°27 | 21° 2 | 11°18 | 9° 7 | W25 |
| T 26 | 18 40 49 | 9°47'13 | 12°38 | 19°39 | 11°54 | 27°12 | 29° 2 | 3°50 | 8°35 | 4°47 | 25°23 | 20°23 | 20°58 | 11°25 | 9°14 | T 26 |
| F 27 | 18 44 45 | 10°44'25 | 24°55 | 20°28 | 13° 5 | 27°45 | 29°14 | 3°51 | 8°39 | 4°48 | 25°24 | 20°16 | 20°55 | 11°31 | 9°21 | F 27 |
| S 28 | 18 48 42 | 11°41'38 | 7♐29 | 21°22 | 14°17 | 28°18 | 29°27 | 3°53 | 8°43 | 4°50 | 25°24 | 20° 7 | 20°52 | 11°38 | 9°29 | S 28 |
| S 29 | 18 52 38 | 12°38'50 | 20°22 | 22°21 | 15°29 | 28°52 | 29°40 | 3°54 | 8°46 | 4°51 | 25°24 | 19°57 | 20°49 | 11°45 | 9°36 | S 29 |
| M30 | 18 56 35 | 13♋36'03 | 3♑33 | 23♊25 | 16♌40 | 29♍25 | 29♋53 | 3♈55 | 8♋50 | 4♍53 | 25♈25 | 19♓46 | 20♓46 | 11♎51 | 9♌43 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n49 | 27s11 | 4s55 | 20n30 | 2s52 | 24n35 | 1n33 | 6n48 | 0n44 | 22n 0 | 0n35 | 1s 2 | 2s19 | 23n43 | 0n21 | 10n56 | 1n 2 | 5s30 | 16s22 | 2s55 | 3s 4 | 4s46 | 13n 1 | 5s54 |
| M 2 | 22 55 | 28 27 | 5 0 | 20 14 | 3 8 | 24 29 | 1 35 | 6 36 | 0 43 | 21 58 | 0 35 | 1 1 | 2 19 | 23 43 | 0 21 | 10 56 | 1 2 | 5 30 | 16 22 | 3 0 | 3 5 | 4 50 | 13 0 | 5 54 |
| T 3 | 23 0 | 28 8 | 4 49 | 19 57 | 3 22 | 24 23 | 1 36 | 6 24 | 0 41 | 21 56 | 0 35 | 1 0 | 2 20 | 23 43 | 0 21 | 10 56 | 1 2 | 5 29 | 16 23 | 3 5 | 3 7 | 4 53 | 12 59 | 5 53 |
| W 4 | 23 5 | 26 13 | 4 23 | 19 42 | 3 35 | 24 16 | 1 37 | 6 12 | 0 40 | 21 54 | 0 35 | 0 58 | 2 20 | 23 43 | 0 21 | 10 55 | 1 2 | 5 29 | 16 23 | 3 9 | 3 8 | 4 57 | 12 58 | 5 53 |
| T 5 | 23 10 | 22 46 | 3 42 | 19 28 | 3 47 | 24 8 | 1 38 | 5 59 | 0 38 | 21 52 | 0 35 | 0 57 | 2 20 | 23 42 | 0 21 | 10 55 | 1 2 | 5 29 | 16 23 | 3 12 | 3 9 | 5 0 | 12 57 | 5 52 |
| F 6 | 23 14 | 18 2 | 2 47 | 19 14 | 3 58 | 23 59 | 1 39 | 5 47 | 0 37 | 21 50 | 0 35 | 0 56 | 2 20 | 23 42 | 0 21 | 10 55 | 1 2 | 5 29 | 16 23 | 3 14 | 3 11 | 5 3 | 12 56 | 5 52 |
| S 7 | 23 18 | 12 19 | 1 42 | 19 2 | 4 8 | 23 50 | 1 40 | 5 34 | 0 36 | 21 48 | 0 35 | 0 55 | 2 21 | 23 42 | 0 21 | 10 54 | 1 2 | 5 29 | 16 24 | 3 15 | 3 12 | 5 7 | 12 55 | 5 51 |
| S 8 | 23 21 | 5 57 | 0 30 | 18 51 | 4 16 | 23 40 | 1 40 | 5 21 | 0 34 | 21 45 | 0 35 | 0 54 | 2 21 | 23 42 | 0 21 | 10 54 | 1 2 | 5 29 | 16 24 | 3 15 | 3 13 | 5 10 | 12 54 | 5 51 |
| M 9 | 23 24 | 0n47 | 0n44 | 18 41 | 4 23 | 23 30 | 1 41 | 5 9 | 0 33 | 21 43 | 0 35 | 0 53 | 2 21 | 23 42 | 0 21 | 10 53 | 1 2 | 5 29 | 16 24 | 3 15 | 3 14 | 5 14 | 12 53 | 5 50 |
| T 10 | 23 27 | 7 31 | 1 57 | 18 34 | 4 29 | 23 19 | 1 42 | 4 56 | 0 31 | 21 41 | 0 35 | 0 52 | 2 22 | 23 41 | 0 21 | 10 53 | 1 2 | 5 29 | 16 24 | 3 16 | 3 16 | 5 17 | 12 52 | 5 50 |
| W11 | 23 29 | 13 54 | 3 2 | 18 27 | 4 33 | 23 7 | 1 42 | 4 43 | 0 30 | 21 39 | 0 35 | 0 51 | 2 22 | 23 41 | 0 21 | 10 53 | 1 2 | 5 29 | 16 25 | 3 17 | 3 17 | 5 21 | 12 50 | 5 50 |
| T 12 | 23 31 | 19 34 | 3 56 | 18 23 | 4 35 | 22 54 | 1 43 | 4 30 | 0 29 | 21 36 | 0 35 | 0 50 | 2 22 | 23 41 | 0 21 | 10 52 | 1 2 | 5 29 | 16 25 | 3 19 | 3 18 | 5 24 | 12 49 | 5 49 |
| F 13 | 23 32 | 24 7 | 4 35 | 18 20 | 4 36 | 22 41 | 1 43 | 4 16 | 0 28 | 21 34 | 0 35 | 0 49 | 2 22 | 23 41 | 0 21 | 10 52 | 1 2 | 5 29 | 16 25 | 3 22 | 3 19 | 5 27 | 12 48 | 5 49 |
| S 14 | 23 33 | 27 11 | 4 56 | 18 19 | 4 35 | 22 27 | 1 44 | 4 3 | 0 26 | 21 32 | 0 35 | 0 49 | 2 23 | 23 41 | 0 21 | 10 51 | 1 2 | 5 29 | 16 25 | 3 26 | 3 21 | 5 31 | 12 47 | 5 48 |
| S 15 | 23 33 | 28 29 | 5 0 | 18 19 | 4 33 | 22 13 | 1 44 | 3 50 | 0 25 | 21 29 | 0 35 | 0 48 | 2 23 | 23 40 | 0 21 | 10 51 | 1 2 | 5 29 | 16 26 | 3 30 | 3 22 | 5 34 | 12 46 | 5 48 |
| M16 | 23 33 | 27 58 | 4 46 | 18 22 | 4 30 | 21 58 | 1 44 | 3 36 | 0 24 | 21 27 | 0 35 | 0 47 | 2 23 | 23 40 | 0 21 | 10 51 | 1 2 | 5 29 | 16 26 | 3 35 | 3 23 | 5 38 | 12 44 | 5 47 |
| T 17 | 23 33 | 25 49 | 4 16 | 18 26 | 4 26 | 21 42 | 1 44 | 3 23 | 0 22 | 21 25 | 0 35 | 0 46 | 2 23 | 23 40 | 0 21 | 10 50 | 1 2 | 5 29 | 16 26 | 3 39 | 3 24 | 5 41 | 12 43 | 5 47 |
| W18 | 23 32 | 22 20 | 3 33 | 18 32 | 4 20 | 21 26 | 1 44 | 3 9 | 0 21 | 21 22 | 0 35 | 0 46 | 2 24 | 23 40 | 0 21 | 10 50 | 1 2 | 5 29 | 16 27 | 3 43 | 3 26 | 5 44 | 12 42 | 5 47 |
| T 19 | 23 31 | 17 53 | 2 41 | 18 40 | 4 13 | 21 9 | 1 44 | 2 56 | 0 20 | 21 20 | 0 35 | 0 45 | 2 24 | 23 39 | 0 21 | 10 49 | 1 2 | 5 29 | 16 27 | 3 45 | 3 27 | 5 48 | 12 40 | 5 46 |
| F 20 | 23 30 | 12 46 | 1 42 | 18 49 | 4 5 | 20 52 | 1 44 | 2 42 | 0 19 | 21 17 | 0 35 | 0 45 | 2 24 | 23 39 | 0 21 | 10 49 | 1 2 | 5 29 | 16 27 | 3 46 | 3 28 | 5 51 | 12 39 | 5 46 |
| S 21 | 23 28 | 7 17 | 0 39 | 18 59 | 3 56 | 20 34 | 1 44 | 2 28 | 0 18 | 21 15 | 0 35 | 0 44 | 2 25 | 23 39 | 0 21 | 10 48 | 1 2 | 5 29 | 16 28 | 3 47 | 3 29 | 5 54 | 12 37 | 5 46 |
| S 22 | 23 25 | 1 37 | 0s24 | 19 11 | 3 47 | 20 15 | 1 44 | 2 14 | 0 16 | 21 12 | 0 35 | 0 44 | 2 25 | 23 39 | 0 21 | 10 48 | 1 2 | 5 29 | 16 28 | 3 47 | 3 31 | 5 58 | 12 36 | 5 45 |
| M23 | 23 22 | 4s 3 | 1 26 | 19 24 | 3 36 | 19 56 | 1 43 | 2 0 | 0 15 | 21 10 | 0 36 | 0 43 | 2 25 | 23 39 | 0 21 | 10 47 | 1 2 | 5 30 | 16 28 | 3 47 | 3 32 | 6 1 | 12 35 | 5 45 |
| T 24 | 23 19 | 9 34 | 2 24 | 19 38 | 3 25 | 19 37 | 1 43 | 1 46 | 0 14 | 21 7 | 0 36 | 0 43 | 2 25 | 23 38 | 0 21 | 10 47 | 1 2 | 5 30 | 16 28 | 3 47 | 3 33 | 6 5 | 12 33 | 5 44 |
| W25 | 23 16 | 14 47 | 3 16 | 19 53 | 3 14 | 19 17 | 1 42 | 1 32 | 0 13 | 21 5 | 0 36 | 0 42 | 2 26 | 23 38 | 0 21 | 10 46 | 1 2 | 5 30 | 16 29 | 3 48 | 3 34 | 6 8 | 12 32 | 5 44 |
| T 26 | 23 12 | 19 31 | 4 0 | 20 8 | 3 1 | 18 56 | 1 42 | 1 18 | 0 12 | 21 2 | 0 36 | 0 42 | 2 26 | 23 38 | 0 21 | 10 46 | 1 1 | 5 30 | 16 29 | 3 50 | 3 36 | 6 11 | 12 30 | 5 44 |
| F 27 | 23 7 | 23 31 | 4 34 | 20 25 | 2 49 | 18 35 | 1 41 | 1 4 | 0 10 | 21 0 | 0 36 | 0 42 | 2 26 | 23 38 | 0 21 | 10 45 | 1 1 | 5 30 | 16 29 | 3 52 | 3 37 | 6 15 | 12 29 | 5 43 |
| S 28 | 23 2 | 26 31 | 4 56 | 20 41 | 2 35 | 18 13 | 1 40 | 0 49 | 0 9 | 20 57 | 0 36 | 0 42 | 2 27 | 23 37 | 0 21 | 10 44 | 1 1 | 5 30 | 16 30 | 3 56 | 3 38 | 6 18 | 12 27 | 5 43 |
| S 29 | 22 57 | 28 14 | 5 3 | 20 58 | 2 22 | 17 51 | 1 39 | 0 35 | 0 8 | 20 54 | 0 36 | 0 41 | 2 27 | 23 37 | 0 21 | 10 44 | 1 1 | 5 30 | 16 30 | 4 0 | 3 39 | 6 22 | 12 25 | 5 43 |
| M30 | 22n51 | 28s25 | 4s54 | 21n15 | 2s 8 | 17n29 | 1n38 | 0n20 | 0n 7 | 20n52 | 0n36 | 0s41 | 2s27 | 23n37 | 0n21 | 10n43 | 1n 1 | 5s30 | 16s30 | 4s 4 | 3s41 | 6s25 | 12n24 | 5s43 |

Julian Day Number = 2127732.5, Delta T = 17m00s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'49, Lahiri = 11°29'49 Julian Calendar 1 June 1113 == Greg. Calendar 8 June 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## JULY 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 0 31 | 14♋33'17 | 17♉ 2 | 24♊33 | 17♌52 | 29♍59 | 0♌ 6 | 3♈56 | 8♋53 | 4♍54 | 25♈25 | 19°R35 | 20♓43 | 11♎58 | 9♌50 | T 1 |
| W 2 | 19 4 28 | 15°30'31 | 0♒46 | 25°47 | 19° 3 | 0♎33 | 0°19 | 3°57 | 8°57 | 4°56 | 25°26 | 19♓27 | 20°39 | 12° 5 | 9°58 | W 2 |
| T 3 | 19 8 25 | 16°27'46 | 14°42 | 27° 5 | 20°15 | 1° 7 | 0°32 | 3°58 | 9° 1 | 4°57 | 25°26 | 19°20 | 20°36 | 12°11 | 10° 5 | T 3 |
| F 4 | 19 12 21 | 17°25'01 | 28°46 | 28°28 | 21°26 | 1°41 | 0°45 | 3°58 | 9° 4 | 4°59 | 25°26 | 19°16 | 20°33 | 12°18 | 10°12 | F 4 |
| S 5 | 19 16 18 | 18°22'18 | 12♓54 | 29°56 | 22°37 | 2°15 | 0°58 | 3°59 | 9° 8 | 5° 1 | 25°27 | 19°D14 | 20°30 | 12°25 | 10°20 | S 5 |
| S 6 | 19 20 14 | 19°19'35 | 27° 5 | 1♋27 | 23°49 | 2°50 | 1°11 | 3°59 | 9°12 | 5° 2 | 25°27 | 19°14 | 20°27 | 12°31 | 10°27 | S 6 |
| M 7 | 19 24 11 | 20°16'53 | 11♈15 | 3° 3 | 25° 0 | 3°24 | 1°24 | 4° 0 | 9°15 | 5° 4 | 25°27 | 19°15 | 20°23 | 12°38 | 10°35 | M 7 |
| T 8 | 19 28 7 | 21°14'13 | 25°24 | 4°43 | 26°11 | 3°59 | 1°37 | 4° 0 | 9°19 | 5° 6 | 25°28 | 19°R15 | 20°20 | 12°44 | 10°42 | T 8 |
| W 9 | 19 32 4 | 22°11'33 | 9♉30 | 6°26 | 27°22 | 4°34 | 1°50 | 4° 0 | 9°22 | 5° 7 | 25°28 | 19°14 | 20°17 | 12°51 | 10°50 | W 9 |
| T 10 | 19 36 0 | 23° 8'55 | 23°32 | 8°13 | 28°33 | 5° 9 | 2° 3 | 4°R 0 | 9°26 | 5° 9 | 25°28 | 19°11 | 20°14 | 12°58 | 10°57 | T 10 |
| F 11 | 19 39 57 | 24° 6'18 | 7♊28 | 10° 4 | 29°44 | 5°44 | 2°16 | 4° 0 | 9°30 | 5°11 | 25°28 | 19° 5 | 20°11 | 13° 4 | 11° 5 | F 11 |
| S 12 | 19 43 54 | 25° 3'42 | 21°15 | 11°57 | 0♍55 | 6°20 | 2°29 | 4° 0 | 9°33 | 5°13 | 25°28 | 18°58 | 20° 8 | 13°11 | 11°13 | S 12 |
| S 13 | 19 47 50 | 26° 1'07 | 4♋51 | 13°53 | 2° 6 | 6°55 | 2°42 | 4° 0 | 9°37 | 5°14 | 25°28 | 18°49 | 20° 4 | 13°18 | 11°20 | S 13 |
| M14 | 19 51 47 | 26°58'33 | 18°13 | 15°51 | 3°17 | 7°31 | 2°56 | 3°59 | 9°40 | 5°16 | 25°29 | 18°40 | 20° 1 | 13°24 | 11°28 | M14 |
| T 15 | 19 55 43 | 27°56'00 | 1♌19 | 17°50 | 4°28 | 8° 7 | 3° 9 | 3°59 | 9°44 | 5°18 | 25°29 | 18°32 | 19°58 | 13°31 | 11°36 | T 15 |
| W16 | 19 59 40 | 28°53'28 | 14° 9 | 19°52 | 5°39 | 8°43 | 3°22 | 3°58 | 9°47 | 5°20 | 25°29 | 18°26 | 19°55 | 13°38 | 11°43 | W16 |
| T 17 | 20 3 36 | 29°50'57 | 26°41 | 21°54 | 6°49 | 9°19 | 3°35 | 3°58 | 9°51 | 5°22 | 25°29 | 18°21 | 19°52 | 13°44 | 11°51 | T 17 |
| F 18 | 20 7 33 | 0♌48'27 | 8♍58 | 23°58 | 8° 0 | 9°55 | 3°48 | 3°57 | 9°54 | 5°24 | 25°29 | 18°19 | 19°49 | 13°51 | 11°59 | F 18 |
| S 19 | 20 11 29 | 1°45'58 | 21° 3 | 26° 1 | 9°10 | 10°31 | 4° 1 | 3°56 | 9°58 | 5°26 | 25°29 | 18°D18 | 19°45 | 13°58 | 12° 6 | S 19 |
| S 20 | 20 15 26 | 2°43'30 | 2♎57 | 28° 6 | 10°21 | 11° 8 | 4°15 | 3°55 | 10° 1 | 5°28 | 25°R29 | 18°19 | 19°42 | 14° 4 | 12°14 | S 20 |
| M21 | 20 19 23 | 3°41'02 | 14°47 | 0♌10 | 11°31 | 11°44 | 4°28 | 3°54 | 10° 4 | 5°30 | 25°29 | 18°21 | 19°39 | 14°11 | 12°22 | M21 |
| T 22 | 20 23 19 | 4°38'36 | 26°36 | 2°13 | 12°42 | 12°21 | 4°41 | 3°53 | 10° 8 | 5°31 | 25°29 | 18°22 | 19°36 | 14°18 | 12°30 | T 22 |
| W23 | 20 27 16 | 5°36'10 | 8♏30 | 4°16 | 13°52 | 12°58 | 4°54 | 3°51 | 10°11 | 5°33 | 25°29 | 18°R22 | 19°33 | 14°24 | 12°38 | W23 |
| T 24 | 20 31 12 | 6°33'46 | 20°34 | 6°19 | 15° 2 | 13°35 | 5° 7 | 3°50 | 10°15 | 5°35 | 25°29 | 18°21 | 19°29 | 14°31 | 12°45 | T 24 |
| F 25 | 20 35 9 | 7°31'22 | 2♐53 | 8°21 | 16°12 | 14°12 | 5°20 | 3°49 | 10°18 | 5°37 | 25°29 | 18°18 | 19°26 | 14°38 | 12°53 | F 25 |
| S 26 | 20 39 5 | 8°29'00 | 15°30 | 10°21 | 17°23 | 14°50 | 5°34 | 3°47 | 10°21 | 5°39 | 25°29 | 18°14 | 19°23 | 14°44 | 13° 1 | S 26 |
| S 27 | 20 43 2 | 9°26'39 | 28°29 | 12°21 | 18°33 | 15°27 | 5°47 | 3°45 | 10°25 | 5°42 | 25°28 | 18° 8 | 19°20 | 14°51 | 13° 9 | S 27 |
| M28 | 20 46 58 | 10°24'19 | 11♑51 | 14°19 | 19°43 | 16° 5 | 6° 0 | 3°43 | 10°28 | 5°44 | 25°28 | 18° 2 | 19°17 | 14°58 | 13°17 | M28 |
| T 29 | 20 50 55 | 11°22'00 | 25°35 | 16°16 | 20°52 | 16°42 | 6°13 | 3°42 | 10°31 | 5°46 | 25°28 | 17°56 | 19°14 | 15° 4 | 13°25 | T 29 |
| W30 | 20 54 52 | 12°19'42 | 9♒39 | 18°12 | 22° 2 | 17°20 | 6°26 | 3°40 | 10°34 | 5°48 | 25°28 | 17°52 | 19°10 | 15°11 | 13°32 | W30 |
| T 31 | 20 58 48 | 13♌17'26 | 23♒58 | 20♌ 6 | 23♍12 | 17♎58 | 6♌39 | 3♈38 | 10♋38 | 5♍50 | 25♈28 | 17♓48 | 19♓ 7 | 15♎18 | 13♌40 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n45 | 26s55 | 4s29 | 21n32 | 1s54 | 17n 6 | 1n37 | 0n 6 | 0n 6 | 20n49 | 0n36 | 0s41 | 2s27 | 23n37 | 0n21 | 10n43 | 1n 1 | 5s31 | 16s31 | 4s 8 | 3s42 | 6s28 | 12n22 | 5s42 |
| W 2 | 22 39 | 23 48 | 3 48 | 21 49 | 1 40 | 16 42 | 1 36 | 0s 9 | 0 5 | 20 46 | 0 36 | 0 41 | 2 28 | 23 36 | 0 21 | 10 42 | 1 1 | 5 31 | 16 31 | 4 12 | 3 43 | 6 32 | 12 21 | 5 42 |
| T 3 | 22 32 | 19 16 | 2 53 | 22 5 | 1 26 | 16 19 | 1 35 | 0 23 | 0 4 | 20 43 | 0 36 | 0 41 | 2 28 | 23 36 | 0 21 | 10 41 | 1 1 | 5 31 | 16 31 | 4 15 | 3 44 | 6 35 | 12 19 | 5 42 |
| F 4 | 22 25 | 13 38 | 1 47 | 22 20 | 1 12 | 15 54 | 1 34 | 0 38 | 0 3 | 20 41 | 0 36 | 0 41 | 2 28 | 23 36 | 0 21 | 10 41 | 1 1 | 5 31 | 16 32 | 4 16 | 3 46 | 6 38 | 12 17 | 5 41 |
| S 5 | 22 17 | 7 16 | 0 34 | 22 35 | 0 59 | 15 30 | 1 32 | 0 52 | 0 2 | 20 38 | 0 36 | 0 41 | 2 29 | 23 36 | 0 21 | 10 40 | 1 1 | 5 31 | 16 32 | 4 17 | 3 47 | 6 42 | 12 16 | 5 41 |
| S 6 | 22 9 | 0 32 | 0n42 | 22 48 | 0 45 | 15 5 | 1 31 | 1 7 | 0 1 | 20 35 | 0 36 | 0 41 | 2 29 | 23 36 | 0 21 | 10 40 | 1 1 | 5 31 | 16 32 | 4 17 | 3 48 | 6 45 | 12 14 | 5 41 |
| M 7 | 22 1 | 6n14 | 1 55 | 23 0 | 0 31 | 14 39 | 1 29 | 1 22 | 0s 0 | 20 32 | 0 36 | 0 41 | 2 29 | 23 35 | 0 21 | 10 39 | 1 1 | 5 32 | 16 33 | 4 16 | 3 50 | 6 49 | 12 12 | 5 41 |
| T 8 | 21 52 | 12 41 | 3 1 | 23 10 | 0 18 | 14 14 | 1 28 | 1 37 | 0 1 | 20 29 | 0 36 | 0 41 | 2 29 | 23 35 | 0 21 | 10 38 | 1 1 | 5 32 | 16 33 | 4 16 | 3 51 | 6 52 | 12 10 | 5 40 |
| W 9 | 21 43 | 18 27 | 3 56 | 23 18 | 0 6 | 13 47 | 1 26 | 1 52 | 0 2 | 20 26 | 0 36 | 0 41 | 2 30 | 23 35 | 0 21 | 10 38 | 1 1 | 5 32 | 16 33 | 4 17 | 3 52 | 6 55 | 12 9 | 5 40 |
| T 10 | 21 34 | 23 12 | 4 36 | 23 25 | 0n 7 | 13 21 | 1 24 | 2 7 | 0 4 | 20 24 | 0 37 | 0 42 | 2 30 | 23 35 | 0 21 | 10 37 | 1 1 | 5 32 | 16 34 | 4 18 | 3 53 | 6 59 | 12 7 | 5 40 |
| F 11 | 21 24 | 26 35 | 5 0 | 23 29 | 0 18 | 12 54 | 1 22 | 2 22 | 0 5 | 20 21 | 0 37 | 0 42 | 2 30 | 23 34 | 0 21 | 10 36 | 1 1 | 5 33 | 16 34 | 4 20 | 3 55 | 7 2 | 12 5 | 5 40 |
| S 12 | 21 13 | 28 21 | 5 6 | 23 30 | 0 30 | 12 27 | 1 20 | 2 37 | 0 6 | 20 18 | 0 37 | 0 42 | 2 31 | 23 34 | 0 21 | 10 36 | 1 1 | 5 33 | 16 34 | 4 23 | 3 56 | 7 5 | 12 3 | 5 40 |
| S 13 | 21 3 | 28 22 | 4 54 | 23 30 | 0 40 | 12 0 | 1 18 | 2 52 | 0 7 | 20 15 | 0 37 | 0 43 | 2 31 | 23 34 | 0 22 | 10 35 | 1 1 | 5 33 | 16 34 | 4 27 | 3 57 | 7 9 | 12 1 | 5 39 |
| M14 | 20 52 | 26 43 | 4 27 | 23 26 | 0 50 | 11 32 | 1 16 | 3 7 | 0 8 | 20 12 | 0 37 | 0 43 | 2 31 | 23 34 | 0 22 | 10 34 | 1 1 | 5 33 | 16 35 | 4 30 | 3 58 | 7 12 | 11 59 | 5 39 |
| T 15 | 20 41 | 23 37 | 3 45 | 23 20 | 0 59 | 11 4 | 1 14 | 3 22 | 0 8 | 20 9 | 0 37 | 0 43 | 2 31 | 23 33 | 0 22 | 10 34 | 1 1 | 5 34 | 16 35 | 4 33 | 4 0 | 7 15 | 11 58 | 5 39 |
| W16 | 20 29 | 19 26 | 2 53 | 23 11 | 1 7 | 10 36 | 1 12 | 3 37 | 0 9 | 20 6 | 0 37 | 0 44 | 2 32 | 23 33 | 0 22 | 10 33 | 1 1 | 5 34 | 16 35 | 4 36 | 4 1 | 7 19 | 11 56 | 5 39 |
| T 17 | 20 17 | 14 28 | 1 54 | 23 0 | 1 15 | 10 7 | 1 9 | 3 52 | 0 10 | 20 3 | 0 37 | 0 45 | 2 32 | 23 33 | 0 22 | 10 32 | 1 1 | 5 34 | 16 36 | 4 38 | 4 2 | 7 22 | 11 54 | 5 39 |
| F 18 | 20 5 | 9 1 | 0 50 | 22 45 | 1 21 | 9 39 | 1 7 | 4 7 | 0 11 | 20 0 | 0 37 | 0 45 | 2 32 | 23 33 | 0 22 | 10 32 | 1 1 | 5 34 | 16 36 | 4 39 | 4 3 | 7 25 | 11 52 | 5 38 |
| S 19 | 19 52 | 3 20 | 0s15 | 22 29 | 1 27 | 9 10 | 1 4 | 4 22 | 0 12 | 19 57 | 0 37 | 0 46 | 2 33 | 23 32 | 0 22 | 10 31 | 1 1 | 5 35 | 16 36 | 4 39 | 4 5 | 7 29 | 11 50 | 5 38 |
| S 20 | 19 39 | 2s23 | 1 19 | 22 9 | 1 32 | 8 41 | 1 2 | 4 38 | 0 13 | 19 54 | 0 37 | 0 46 | 2 33 | 23 32 | 0 22 | 10 30 | 1 1 | 5 35 | 16 37 | 4 38 | 4 6 | 7 32 | 11 48 | 5 38 |
| M21 | 19 25 | 7 59 | 2 18 | 21 47 | 1 37 | 8 11 | 0 59 | 4 53 | 0 14 | 19 51 | 0 37 | 0 47 | 2 33 | 23 32 | 0 22 | 10 29 | 1 1 | 5 35 | 16 37 | 4 38 | 4 7 | 7 36 | 11 46 | 5 38 |
| T 22 | 19 12 | 13 18 | 3 13 | 21 23 | 1 40 | 7 42 | 0 56 | 5 8 | 0 15 | 19 48 | 0 37 | 0 48 | 2 33 | 23 32 | 0 22 | 10 29 | 1 1 | 5 36 | 16 37 | 4 37 | 4 8 | 7 39 | 11 44 | 5 38 |
| W23 | 18 58 | 18 10 | 3 59 | 20 57 | 1 43 | 7 12 | 0 53 | 5 24 | 0 16 | 19 44 | 0 38 | 0 48 | 2 34 | 23 31 | 0 22 | 10 28 | 1 1 | 5 36 | 16 38 | 4 37 | 4 10 | 7 42 | 11 42 | 5 38 |
| T 24 | 18 43 | 22 23 | 4 35 | 20 28 | 1 45 | 6 42 | 0 51 | 5 39 | 0 17 | 19 41 | 0 38 | 0 49 | 2 34 | 23 31 | 0 22 | 10 27 | 1 1 | 5 36 | 16 38 | 4 38 | 4 11 | 7 46 | 11 40 | 5 38 |
| F 25 | 18 29 | 25 44 | 4 59 | 19 58 | 1 46 | 6 12 | 0 48 | 5 54 | 0 18 | 19 38 | 0 38 | 0 50 | 2 34 | 23 31 | 0 22 | 10 26 | 1 1 | 5 37 | 16 38 | 4 39 | 4 12 | 7 49 | 11 38 | 5 37 |
| S 26 | 18 14 | 27 54 | 5 10 | 19 26 | 1 46 | 5 42 | 0 44 | 6 9 | 0 19 | 19 35 | 0 38 | 0 51 | 2 34 | 23 31 | 0 22 | 10 26 | 1 1 | 5 37 | 16 39 | 4 41 | 4 13 | 7 52 | 11 36 | 5 37 |
| S 27 | 17 59 | 28 38 | 5 5 | 18 53 | 1 46 | 5 11 | 0 41 | 6 25 | 0 20 | 19 32 | 0 38 | 0 52 | 2 35 | 23 30 | 0 22 | 10 25 | 1 1 | 5 37 | 16 39 | 4 43 | 4 15 | 7 56 | 11 34 | 5 37 |
| M28 | 17 43 | 27 45 | 4 44 | 18 18 | 1 45 | 4 41 | 0 38 | 6 40 | 0 20 | 19 29 | 0 38 | 0 53 | 2 35 | 23 30 | 0 22 | 10 24 | 1 1 | 5 38 | 16 39 | 4 45 | 4 16 | 7 59 | 11 31 | 5 37 |
| T 29 | 17 27 | 25 10 | 4 6 | 17 42 | 1 44 | 4 10 | 0 35 | 6 55 | 0 21 | 19 25 | 0 38 | 0 54 | 2 35 | 23 30 | 0 22 | 10 23 | 1 1 | 5 38 | 16 40 | 4 47 | 4 17 | 8 2 | 11 29 | 5 37 |
| W30 | 17 11 | 21 1 | 3 13 | 17 4 | 1 42 | 3 39 | 0 31 | 7 11 | 0 22 | 19 22 | 0 38 | 0 55 | 2 35 | 23 30 | 0 22 | 10 23 | 1 1 | 5 38 | 16 40 | 4 49 | 4 18 | 8 6 | 11 27 | 5 37 |
| T 31 | 16n55 | 15s35 | 2s 6 | 16n26 | 1n40 | 3n 9 | 0n28 | 7s26 | 0s23 | 19n19 | 0n38 | 0s56 | 2s36 | 23n29 | 0n22 | 10n22 | 1n 1 | 5s39 | 16s40 | 4s51 | 4s20 | 8s 9 | 11n25 | 5s37 |

Julian Day Number = 2127762.5, Delta T = 17m00s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'53, Lahiri = 11°29'54 Julian Calendar 1 July 1113 == Greg. Calendar 8 July 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## AUGUST 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 2 45 | 14♌15'11 | 8♓28 | 22♌ 0 | 24♍21 | 18♎36 | 6♌52 | 3°R35 | 10♋41 | 5♍52 | 25°R27 | 17°R46 | 19♓ 4 | 15♎24 | 13♌48 | F 1 |
| S 2 | 21 6 41 | 15°12'58 | 23° 2 | 23°51 | 25°31 | 19°14 | 7° 6 | 3♈33 | 10°44 | 5°54 | 25♈27 | 17°D46 | 19° 1 | 15°31 | 13°56 | S 2 |
| S 3 | 21 10 38 | 16°10'46 | 7♈34 | 25°42 | 26°40 | 19°52 | 7°19 | 3°31 | 10°47 | 5°56 | 25°27 | 17♓47 | 18°58 | 15°38 | 14° 4 | S 3 |
| M 4 | 21 14 34 | 17° 8'36 | 22° 1 | 27°31 | 27°50 | 20°30 | 7°32 | 3°28 | 10°50 | 5°58 | 25°27 | 17°48 | 18°55 | 15°44 | 14°12 | M 4 |
| T 5 | 21 18 31 | 18° 6'28 | 6♉18 | 29°19 | 28°59 | 21° 9 | 7°45 | 3°26 | 10°53 | 6° 0 | 25°26 | 17°50 | 18°51 | 15°51 | 14°20 | T 5 |
| W 6 | 21 22 27 | 19° 4'22 | 20°24 | 1♍ 5 | 0♎ 8 | 21°47 | 7°58 | 3°23 | 10°56 | 6° 2 | 25°26 | 17°R50 | 18°48 | 15°58 | 14°27 | W 6 |
| T 7 | 21 26 24 | 20° 2'18 | 4♊18 | 2°50 | 1°17 | 22°26 | 8°11 | 3°21 | 11° 0 | 6° 5 | 25°26 | 17°49 | 18°45 | 16° 4 | 14°35 | T 7 |
| F 8 | 21 30 21 | 21° 0'16 | 17°58 | 4°34 | 2°26 | 23° 5 | 8°24 | 3°18 | 11° 3 | 6° 7 | 25°25 | 17°47 | 18°42 | 16°11 | 14°43 | F 8 |
| S 9 | 21 34 17 | 21°58'16 | 1♋24 | 6°16 | 3°35 | 23°44 | 8°37 | 3°15 | 11° 5 | 6° 9 | 25°25 | 17°44 | 18°39 | 16°18 | 14°51 | S 9 |
| S 10 | 21 38 14 | 22°56'17 | 14°36 | 7°58 | 4°44 | 24°23 | 8°50 | 3°12 | 11° 8 | 6°11 | 25°24 | 17°41 | 18°35 | 16°24 | 14°59 | S 10 |
| M11 | 21 42 10 | 23°54'21 | 27°34 | 9°37 | 5°53 | 25° 2 | 9° 3 | 3° 9 | 11°11 | 6°13 | 25°24 | 17°37 | 18°32 | 16°31 | 15° 7 | M11 |
| T 12 | 21 46 7 | 24°52'26 | 10♌19 | 11°16 | 7° 1 | 25°41 | 9°16 | 3° 6 | 11°14 | 6°16 | 25°23 | 17°34 | 18°29 | 16°38 | 15°15 | T 12 |
| W13 | 21 50 3 | 25°50'33 | 22°50 | 12°53 | 8°10 | 26°21 | 9°29 | 3° 3 | 11°17 | 6°18 | 25°23 | 17°31 | 18°26 | 16°44 | 15°22 | W13 |
| T 14 | 21 54 0 | 26°48'41 | 5♍ 9 | 14°30 | 9°18 | 27° 0 | 9°41 | 2°59 | 11°20 | 6°20 | 25°22 | 17°29 | 18°23 | 16°51 | 15°30 | T 14 |
| F 15 | 21 57 56 | 27°46'51 | 17°17 | 16° 4 | 10°27 | 27°40 | 9°54 | 2°56 | 11°23 | 6°22 | 25°22 | 17°D29 | 18°20 | 16°58 | 15°38 | F 15 |
| S 16 | 22 1 53 | 28°45'03 | 29°15 | 17°38 | 11°35 | 28°20 | 10° 7 | 2°53 | 11°25 | 6°24 | 25°21 | 17°29 | 18°16 | 17° 4 | 15°46 | S 16 |
| S 17 | 22 5 50 | 29°43'17 | 11♎ 7 | 19°11 | 12°43 | 28°59 | 10°20 | 2°49 | 11°28 | 6°27 | 25°21 | 17°30 | 18°13 | 17°11 | 15°54 | S 17 |
| M18 | 22 9 46 | 0♍41'32 | 22°55 | 20°42 | 13°51 | 29°39 | 10°33 | 2°45 | 11°31 | 6°29 | 25°20 | 17°32 | 18°10 | 17°18 | 16° 1 | M18 |
| T 19 | 22 13 43 | 1°39'49 | 4♏44 | 22°12 | 14°59 | 0♏19 | 10°45 | 2°42 | 11°34 | 6°31 | 25°20 | 17°33 | 18° 7 | 17°24 | 16° 9 | T 19 |
| W20 | 22 17 39 | 2°38'07 | 16°37 | 23°41 | 16° 7 | 0°59 | 10°58 | 2°38 | 11°36 | 6°33 | 25°19 | 17°34 | 18° 4 | 17°31 | 16°17 | W20 |
| T 21 | 22 21 36 | 3°36'27 | 28°39 | 25° 8 | 17°14 | 1°40 | 11°11 | 2°34 | 11°39 | 6°35 | 25°18 | 17°R35 | 18° 1 | 17°38 | 16°24 | T 21 |
| F 22 | 22 25 32 | 4°34'49 | 10♐56 | 26°34 | 18°22 | 2°20 | 11°23 | 2°30 | 11°41 | 6°38 | 25°18 | 17°35 | 17°57 | 17°44 | 16°32 | F 22 |
| S 23 | 22 29 29 | 5°33'12 | 23°31 | 27°59 | 19°29 | 3° 0 | 11°36 | 2°27 | 11°44 | 6°40 | 25°17 | 17°34 | 17°54 | 17°51 | 16°40 | S 23 |
| S 24 | 22 33 25 | 6°31'37 | 6♑28 | 29°23 | 20°36 | 3°41 | 11°48 | 2°23 | 11°46 | 6°42 | 25°16 | 17°33 | 17°51 | 17°58 | 16°47 | S 24 |
| M25 | 22 37 22 | 7°30'04 | 19°51 | 0♒46 | 21°44 | 4°22 | 12° 1 | 2°19 | 11°49 | 6°44 | 25°16 | 17°32 | 17°48 | 18° 4 | 16°55 | M25 |
| T 26 | 22 41 19 | 8°28'32 | 3♒39 | 2° 7 | 22°51 | 5° 2 | 12°13 | 2°14 | 11°51 | 6°47 | 25°15 | 17°31 | 17°45 | 18°11 | 17° 3 | T 26 |
| W27 | 22 45 15 | 9°27'02 | 17°52 | 3°26 | 23°57 | 5°43 | 12°26 | 2°10 | 11°53 | 6°49 | 25°14 | 17°30 | 17°41 | 18°18 | 17°10 | W27 |
| T 28 | 22 49 12 | 10°25'34 | 2♓26 | 4°45 | 25° 4 | 6°24 | 12°38 | 2° 6 | 11°56 | 6°51 | 25°14 | 17°29 | 17°38 | 18°24 | 17°18 | T 28 |
| F 29 | 22 53 8 | 11°24'07 | 17°15 | 6° 1 | 26°10 | 7° 5 | 12°51 | 2° 2 | 11°58 | 6°53 | 25°13 | 17°D29 | 17°35 | 18°31 | 17°25 | F 29 |
| S 30 | 22 57 5 | 12°22'43 | 2♈13 | 7°17 | 27°17 | 7°46 | 13° 3 | 1°58 | 12° 0 | 6°56 | 25°12 | 17°29 | 17°32 | 18°38 | 17°33 | S 30 |
| S 31 | 23 1 1 | 13♍21'21 | 17♈10 | 8♎30 | 28♎23 | 8♏27 | 13♌15 | 1♈53 | 12♋ 2 | 6♍58 | 25♈11 | 17♓30 | 17♓29 | 18♎44 | 17♌40 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n38 | 9s13 | 0s51 | 15n46 | 1n37 | 2n38 | 0n25 | 7s41 | 0s24 | 19n16 | 0n38 | 0s57 | 2s36 | 23n29 | 0n22 | 10n21 | 1n 1 | 5s39 | 16s41 | 4s51 | 4s21 | 8s12 | 11n23 | 5s37 |
| S 2 | 16 21 | 2 20 | 0n29 | 15 6 | 1 33 | 2 7 | 0 21 | 7 57 | 0 25 | 19 12 | 0 38 | 0 58 | 2 36 | 23 29 | 0 22 | 10 20 | 1 1 | 5 40 | 16 41 | 4 51 | 4 22 | 8 15 | 11 21 | 5 37 |
| S 3 | 16 4 | 4n39 | 1 46 | 14 25 | 1 29 | 1 36 | 0 17 | 8 12 | 0 26 | 19 9 | 0 38 | 0 59 | 2 36 | 23 29 | 0 22 | 10 20 | 1 1 | 5 40 | 16 41 | 4 51 | 4 23 | 8 19 | 11 19 | 5 37 |
| M 4 | 15 46 | 11 21 | 2 57 | 13 43 | 1 25 | 1 5 | 0 14 | 8 27 | 0 26 | 19 6 | 0 39 | 1 0 | 2 37 | 23 29 | 0 22 | 10 19 | 1 1 | 5 40 | 16 42 | 4 51 | 4 25 | 8 22 | 11 16 | 5 37 |
| T 5 | 15 29 | 17 23 | 3 55 | 13 1 | 1 20 | 0 34 | 0 10 | 8 43 | 0 27 | 19 3 | 0 39 | 1 2 | 2 37 | 23 28 | 0 22 | 10 18 | 1 1 | 5 41 | 16 42 | 4 50 | 4 26 | 8 25 | 11 14 | 5 37 |
| W 6 | 15 11 | 22 24 | 4 39 | 12 19 | 1 15 | 0 2 | 0 6 | 8 58 | 0 28 | 18 59 | 0 39 | 1 3 | 2 37 | 23 28 | 0 22 | 10 17 | 1 1 | 5 41 | 16 42 | 4 50 | 4 27 | 8 29 | 11 12 | 5 37 |
| T 7 | 14 52 | 26 6 | 5 5 | 11 36 | 1 10 | 0s29 | 0 2 | 9 13 | 0 29 | 18 56 | 0 39 | 1 4 | 2 37 | 23 28 | 0 22 | 10 16 | 1 1 | 5 42 | 16 42 | 4 50 | 4 28 | 8 32 | 11 10 | 5 37 |
| F 8 | 14 34 | 28 13 | 5 14 | 10 53 | 1 4 | 1 0 | 0s 1 | 9 28 | 0 30 | 18 53 | 0 39 | 1 6 | 2 38 | 23 28 | 0 22 | 10 16 | 1 1 | 5 42 | 16 43 | 4 51 | 4 30 | 8 35 | 11 8 | 5 37 |
| S 9 | 14 15 | 28 38 | 5 5 | 10 9 | 0 58 | 1 31 | 0 5 | 9 44 | 0 30 | 18 49 | 0 39 | 1 7 | 2 38 | 23 27 | 0 22 | 10 15 | 1 1 | 5 42 | 16 43 | 4 52 | 4 31 | 8 39 | 11 5 | 5 37 |
| S 10 | 13 56 | 27 23 | 4 40 | 9 26 | 0 52 | 2 2 | 0 9 | 9 59 | 0 31 | 18 46 | 0 39 | 1 8 | 2 38 | 23 27 | 0 22 | 10 14 | 1 1 | 5 43 | 16 43 | 4 54 | 4 32 | 8 42 | 11 3 | 5 37 |
| M11 | 13 37 | 24 41 | 4 1 | 8 42 | 0 46 | 2 33 | 0 14 | 10 14 | 0 32 | 18 43 | 0 39 | 1 10 | 2 38 | 23 27 | 0 22 | 10 13 | 1 1 | 5 43 | 16 44 | 4 55 | 4 33 | 8 45 | 11 1 | 5 37 |
| T 12 | 13 18 | 20 48 | 3 11 | 7 58 | 0 39 | 3 4 | 0 18 | 10 29 | 0 33 | 18 39 | 0 39 | 1 11 | 2 39 | 23 27 | 0 22 | 10 12 | 1 1 | 5 44 | 16 44 | 4 56 | 4 35 | 8 49 | 10 59 | 5 37 |
| W13 | 12 58 | 16 3 | 2 12 | 7 15 | 0 32 | 3 35 | 0 22 | 10 44 | 0 33 | 18 36 | 0 39 | 1 13 | 2 39 | 23 26 | 0 22 | 10 11 | 1 1 | 5 44 | 16 44 | 4 57 | 4 36 | 8 52 | 10 56 | 5 37 |
| T 14 | 12 38 | 10 43 | 1 8 | 6 31 | 0 25 | 4 6 | 0 26 | 10 59 | 0 34 | 18 33 | 0 40 | 1 14 | 2 39 | 23 26 | 0 22 | 10 11 | 1 1 | 5 44 | 16 44 | 4 58 | 4 37 | 8 55 | 10 54 | 5 37 |
| F 15 | 12 18 | 5 4 | 0 1 | 5 47 | 0 18 | 4 37 | 0 30 | 11 14 | 0 35 | 18 29 | 0 40 | 1 16 | 2 39 | 23 26 | 0 22 | 10 10 | 1 1 | 5 45 | 16 45 | 4 58 | 4 38 | 8 58 | 10 52 | 5 37 |
| S 16 | 11 58 | 0s41 | 1s 5 | 5 4 | 0 10 | 5 8 | 0 35 | 11 29 | 0 36 | 18 26 | 0 40 | 1 17 | 2 39 | 23 26 | 0 22 | 10 9 | 1 1 | 5 45 | 16 45 | 4 58 | 4 40 | 9 2 | 10 49 | 5 37 |
| S 17 | 11 38 | 6 22 | 2 7 | 4 21 | 0 3 | 5 39 | 0 39 | 11 44 | 0 36 | 18 23 | 0 40 | 1 19 | 2 40 | 23 26 | 0 22 | 10 8 | 1 1 | 5 46 | 16 45 | 4 58 | 4 41 | 9 5 | 10 47 | 5 37 |
| M18 | 11 17 | 11 47 | 3 4 | 3 38 | 0s 5 | 6 9 | 0 43 | 11 59 | 0 37 | 18 19 | 0 40 | 1 20 | 2 40 | 23 25 | 0 22 | 10 7 | 1 1 | 5 46 | 16 46 | 4 57 | 4 42 | 9 8 | 10 45 | 5 37 |
| T 19 | 10 56 | 16 48 | 3 53 | 2 55 | 0 13 | 6 40 | 0 48 | 12 14 | 0 38 | 18 16 | 0 40 | 1 22 | 2 40 | 23 25 | 0 22 | 10 7 | 1 1 | 5 47 | 16 46 | 4 56 | 4 43 | 9 12 | 10 42 | 5 37 |
| W20 | 10 35 | 21 13 | 4 32 | 2 12 | 0 21 | 7 10 | 0 52 | 12 29 | 0 39 | 18 13 | 0 40 | 1 24 | 2 40 | 23 25 | 0 22 | 10 6 | 1 1 | 5 47 | 16 46 | 4 56 | 4 45 | 9 15 | 10 40 | 5 37 |
| T 21 | 10 14 | 24 50 | 5 0 | 1 30 | 0 29 | 7 40 | 0 57 | 12 43 | 0 39 | 18 9 | 0 40 | 1 25 | 2 40 | 23 25 | 0 22 | 10 5 | 1 1 | 5 48 | 16 46 | 4 56 | 4 46 | 9 18 | 10 38 | 5 37 |
| F 22 | 9 53 | 27 23 | 5 15 | 0 48 | 0 37 | 8 10 | 1 1 | 12 58 | 0 40 | 18 6 | 0 40 | 1 27 | 2 40 | 23 25 | 0 22 | 10 4 | 1 1 | 5 48 | 16 47 | 4 56 | 4 47 | 9 21 | 10 35 | 5 37 |
| S 23 | 9 31 | 28 39 | 5 15 | 0 7 | 0 45 | 8 40 | 1 6 | 13 13 | 0 41 | 18 2 | 0 41 | 1 29 | 2 41 | 23 24 | 0 22 | 10 3 | 1 1 | 5 49 | 16 47 | 4 56 | 4 48 | 9 25 | 10 33 | 5 38 |
| S 24 | 9 10 | 28 23 | 5 0 | 0s34 | 0 53 | 9 10 | 1 10 | 13 27 | 0 41 | 17 59 | 0 41 | 1 30 | 2 41 | 23 24 | 0 22 | 10 2 | 1 1 | 5 49 | 16 47 | 4 56 | 4 50 | 9 28 | 10 31 | 5 38 |
| M25 | 8 48 | 26 30 | 4 28 | 1 14 | 1 1 | 9 40 | 1 15 | 13 42 | 0 42 | 17 56 | 0 41 | 1 32 | 2 41 | 23 24 | 0 22 | 10 2 | 1 1 | 5 50 | 16 47 | 4 57 | 4 51 | 9 31 | 10 28 | 5 38 |
| T 26 | 8 26 | 23 0 | 3 40 | 1 54 | 1 10 | 10 9 | 1 19 | 13 56 | 0 43 | 17 52 | 0 41 | 1 34 | 2 41 | 23 24 | 0 22 | 10 1 | 1 1 | 5 50 | 16 48 | 4 57 | 4 52 | 9 35 | 10 26 | 5 38 |
| W27 | 8 4 | 18 3 | 2 37 | 2 34 | 1 18 | 10 38 | 1 24 | 14 10 | 0 43 | 17 49 | 0 41 | 1 36 | 2 41 | 23 24 | 0 22 | 10 0 | 1 1 | 5 50 | 16 48 | 4 58 | 4 53 | 9 38 | 10 24 | 5 38 |
| T 28 | 7 42 | 11 57 | 1 23 | 3 12 | 1 26 | 11 7 | 1 28 | 14 25 | 0 44 | 17 45 | 0 41 | 1 38 | 2 41 | 23 23 | 0 22 | 9 59 | 1 1 | 5 51 | 16 48 | 4 58 | 4 55 | 9 41 | 10 21 | 5 38 |
| F 29 | 7 19 | 5 5 | 0 1 | 3 50 | 1 34 | 11 36 | 1 33 | 14 39 | 0 45 | 17 42 | 0 41 | 1 39 | 2 42 | 23 23 | 0 22 | 9 58 | 1 1 | 5 51 | 16 48 | 4 58 | 4 56 | 9 44 | 10 19 | 5 38 |
| S 30 | 6 57 | 2n 7 | 1n21 | 4 28 | 1 42 | 12 4 | 1 38 | 14 53 | 0 45 | 17 39 | 0 41 | 1 41 | 2 42 | 23 23 | 0 22 | 9 58 | 1 1 | 5 52 | 16 49 | 4 58 | 4 57 | 9 48 | 10 16 | 5 39 |
| S 31 | 6n34 | 9n12 | 2n38 | 5s 4 | 1s50 | 12s33 | 1s42 | 15s 7 | 0s46 | 17n35 | 0n42 | 1s43 | 2s42 | 23n23 | 0n22 | 9n57 | 1n 1 | 5s52 | 16s49 | 4s58 | 4s58 | 9s51 | 10n14 | 5s39 |

Julian Day Number = 2127793.5, Delta T = 17m00s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°22'57, Lahiri = 11°29'58 Julian Calendar 1 Aug. 1113 == Greg. Calendar 8 Aug. 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## SEPTEMBER 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 4 58 | 14♍20'00 | 2♉ 0 | 9♎42 | 29♎29 | 9♏ 9 | 13♌27 | 1°R49 | 12♋ 5 | 7♍ 0 | 25°R10 | 17♓30 | 17♓26 | 18♎51 | 17♌48 | M 1 |
| T 2 | 23 8 54 | 15°18'43 | 16°35 | 10°52 | 0♏35 | 9°50 | 13°39 | 1♈44 | 12° 7 | 7° 2 | 25♈10 | 17°30 | 17°22 | 18°58 | 17°55 | T 2 |
| W 3 | 23 12 51 | 16°17'27 | 0♊52 | 12° 0 | 1°40 | 10°31 | 13°51 | 1°40 | 12° 9 | 7° 4 | 25° 9 | 17°30 | 17°19 | 19° 4 | 18° 2 | W 3 |
| T 4 | 23 16 48 | 17°16'14 | 14°47 | 13° 7 | 2°46 | 11°13 | 14° 3 | 1°35 | 12°11 | 7° 7 | 25° 8 | 17°30 | 17°16 | 19°11 | 18°10 | T 4 |
| F 5 | 23 20 44 | 18°15'03 | 28°22 | 14°11 | 3°51 | 11°55 | 14°15 | 1°31 | 12°13 | 7° 9 | 25° 7 | 17°30 | 17°13 | 19°18 | 18°17 | F 5 |
| S 6 | 23 24 41 | 19°13'55 | 11♋36 | 15°13 | 4°56 | 12°36 | 14°27 | 1°26 | 12°15 | 7°11 | 25° 6 | 17°30 | 17°10 | 19°24 | 18°24 | S 6 |
| S 7 | 23 28 37 | 20°12'49 | 24°32 | 16°12 | 6° 1 | 13°18 | 14°39 | 1°22 | 12°16 | 7°13 | 25° 5 | 17°31 | 17° 7 | 19°31 | 18°31 | S 7 |
| M 8 | 23 32 34 | 21°11'45 | 7♌12 | 17° 8 | 7° 6 | 14° 0 | 14°51 | 1°17 | 12°18 | 7°15 | 25° 4 | 17°31 | 17° 3 | 19°38 | 18°39 | M 8 |
| T 9 | 23 36 30 | 22°10'43 | 19°38 | 18° 2 | 8°10 | 14°42 | 15° 3 | 1°12 | 12°20 | 7°18 | 25° 3 | 17°31 | 17° 0 | 19°44 | 18°46 | T 9 |
| W10 | 23 40 27 | 23° 9'44 | 1♍53 | 18°53 | 9°15 | 15°24 | 15°14 | 1° 8 | 12°22 | 7°20 | 25° 3 | 17°32 | 16°57 | 19°51 | 18°53 | W10 |
| T 11 | 23 44 23 | 24° 8'46 | 13°58 | 19°40 | 10°19 | 16° 7 | 15°26 | 1° 3 | 12°23 | 7°22 | 25° 2 | 17°R32 | 16°54 | 19°58 | 19° 0 | T 11 |
| F 12 | 23 48 20 | 25° 7'51 | 25°56 | 20°24 | 11°23 | 16°49 | 15°37 | 0°58 | 12°25 | 7°24 | 25° 1 | 17°32 | 16°51 | 20° 4 | 19° 7 | F 12 |
| S 13 | 23 52 17 | 26° 6'58 | 7♎48 | 21° 3 | 12°26 | 17°31 | 15°49 | 0°54 | 12°27 | 7°26 | 25° 0 | 17°31 | 16°47 | 20°11 | 19°14 | S 13 |
| S 14 | 23 56 13 | 27° 6'06 | 19°37 | 21°38 | 13°30 | 18°14 | 16° 0 | 0°49 | 12°28 | 7°28 | 24°59 | 17°30 | 16°44 | 20°18 | 19°21 | S 14 |
| M15 | 0 0 10 | 28° 5'17 | 1♏26 | 22° 9 | 14°33 | 18°56 | 16°12 | 0°44 | 12°30 | 7°30 | 24°58 | 17°29 | 16°41 | 20°24 | 19°28 | M15 |
| T 16 | 0 4 6 | 29° 4'30 | 13°15 | 22°34 | 15°36 | 19°39 | 16°23 | 0°39 | 12°31 | 7°33 | 24°57 | 17°27 | 16°38 | 20°31 | 19°34 | T 16 |
| W17 | 0 8 3 | 0♎ 3'45 | 25°10 | 22°53 | 16°38 | 20°22 | 16°34 | 0°35 | 12°33 | 7°35 | 24°56 | 17°26 | 16°35 | 20°38 | 19°41 | W17 |
| T 18 | 0 11 59 | 1° 3'01 | 7♐12 | 23° 7 | 17°41 | 21° 4 | 16°45 | 0°30 | 12°34 | 7°37 | 24°55 | 17°24 | 16°32 | 20°44 | 19°48 | T 18 |
| F 19 | 0 15 56 | 2° 2'20 | 19°27 | 23°R14 | 18°43 | 21°47 | 16°56 | 0°25 | 12°35 | 7°39 | 24°54 | 17°23 | 16°28 | 20°51 | 19°55 | F 19 |
| S 20 | 0 19 52 | 3° 1'40 | 1♑58 | 23°14 | 19°44 | 22°30 | 17° 7 | 0°20 | 12°36 | 7°41 | 24°53 | 17°D22 | 16°25 | 20°58 | 20° 1 | S 20 |
| S 21 | 0 23 49 | 4° 1'02 | 14°48 | 23° 6 | 20°46 | 23°13 | 17°18 | 0°16 | 12°38 | 7°43 | 24°52 | 17°23 | 16°22 | 21° 4 | 20° 8 | S 21 |
| M22 | 0 27 46 | 5° 0'26 | 28° 3 | 22°50 | 21°47 | 23°57 | 17°29 | 0°11 | 12°39 | 7°45 | 24°51 | 17°24 | 16°19 | 21°11 | 20°14 | M22 |
| T 23 | 0 31 42 | 5°59'52 | 11♒44 | 22°27 | 22°48 | 24°40 | 17°39 | 0° 6 | 12°40 | 7°47 | 24°50 | 17°25 | 16°16 | 21°18 | 20°21 | T 23 |
| W24 | 0 35 39 | 6°59'19 | 25°52 | 21°55 | 23°48 | 25°23 | 17°50 | 0° 2 | 12°41 | 7°49 | 24°48 | 17°26 | 16°12 | 21°24 | 20°27 | W24 |
| T 25 | 0 39 35 | 7°58'48 | 10♓26 | 21°14 | 24°48 | 26° 7 | 18° 0 | 29♓57 | 12°42 | 7°51 | 24°47 | 17°R27 | 16° 9 | 21°31 | 20°33 | T 25 |
| F 26 | 0 43 32 | 8°58'19 | 25°22 | 20°26 | 25°48 | 26°50 | 18°11 | 29°52 | 12°43 | 7°53 | 24°46 | 17°27 | 16° 6 | 21°38 | 20°40 | F 26 |
| S 27 | 0 47 28 | 9°57'52 | 10♈32 | 19°29 | 26°47 | 27°34 | 18°21 | 29°48 | 12°44 | 7°55 | 24°45 | 17°26 | 16° 3 | 21°44 | 20°46 | S 27 |
| S 28 | 0 51 25 | 10°57'28 | 25°46 | 18°26 | 27°46 | 28°17 | 18°32 | 29°43 | 12°44 | 7°57 | 24°44 | 17°24 | 16° 0 | 21°51 | 20°52 | S 28 |
| M29 | 0 55 21 | 11°57'05 | 10♉56 | 17°18 | 28°45 | 29° 1 | 18°42 | 29°38 | 12°45 | 7°59 | 24°43 | 17°21 | 15°57 | 21°58 | 20°58 | M29 |
| T 30 | 0 59 18 | 12♎56'45 | 25♉51 | 16♎ 5 | 29♏43 | 29♏45 | 18♌52 | 29♓34 | 12♋46 | 8♍ 1 | 24♈42 | 17♓17 | 15♓53 | 22♎ 4 | 21♌ 4 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n12 | 15n42 | 3n43 | 5s40 | 1s58 | 13s 1 | 1s47 | 15s21 | 0s46 | 17n32 | 0n42 | 1s45 | 2s42 | 23n23 | 0n23 | 9n56 | 1n 1 | 5s53 | 16s49 | 4s58 | 4s59 | 9s54 | 10n12 | 5s39 |
| T 2 | 5 49 | 21 13 | 4 33 | 6 15 | 2 6 | 13 28 | 1 52 | 15 35 | 0 47 | 17 29 | 0 42 | 1 47 | 2 42 | 23 23 | 0 23 | 9 55 | 1 1 | 5 53 | 16 49 | 4 58 | 5 1 | 9 57 | 10 9 | 5 39 |
| W 3 | 5 26 | 25 23 | 5 4 | 6 49 | 2 14 | 13 56 | 1 56 | 15 48 | 0 48 | 17 25 | 0 42 | 1 49 | 2 42 | 23 22 | 0 23 | 9 54 | 1 1 | 5 54 | 16 49 | 4 58 | 5 2 | 10 1 | 10 7 | 5 39 |
| T 4 | 5 3 | 27 56 | 5 17 | 7 22 | 2 21 | 14 23 | 2 1 | 16 2 | 0 48 | 17 22 | 0 42 | 1 51 | 2 42 | 23 22 | 0 23 | 9 53 | 1 1 | 5 54 | 16 50 | 4 58 | 5 3 | 10 4 | 10 4 | 5 40 |
| F 5 | 4 40 | 28 45 | 5 12 | 7 54 | 2 28 | 14 50 | 2 6 | 16 16 | 0 49 | 17 18 | 0 42 | 1 53 | 2 42 | 23 22 | 0 23 | 9 53 | 1 1 | 5 55 | 16 50 | 4 58 | 5 4 | 10 7 | 10 2 | 5 40 |
| S 6 | 4 17 | 27 52 | 4 50 | 8 24 | 2 36 | 15 16 | 2 10 | 16 29 | 0 50 | 17 15 | 0 42 | 1 54 | 2 42 | 23 22 | 0 23 | 9 52 | 1 1 | 5 55 | 16 50 | 4 58 | 5 6 | 10 10 | 10 0 | 5 40 |
| S 7 | 3 54 | 25 29 | 4 14 | 8 54 | 2 43 | 15 43 | 2 15 | 16 42 | 0 50 | 17 12 | 0 43 | 1 56 | 2 43 | 23 22 | 0 23 | 9 51 | 1 1 | 5 56 | 16 50 | 4 58 | 5 7 | 10 14 | 9 57 | 5 40 |
| M 8 | 3 30 | 21 53 | 3 26 | 9 22 | 2 49 | 16 9 | 2 19 | 16 55 | 0 51 | 17 8 | 0 43 | 1 58 | 2 43 | 23 22 | 0 23 | 9 50 | 1 1 | 5 56 | 16 50 | 4 57 | 5 8 | 10 17 | 9 55 | 5 40 |
| T 9 | 3 7 | 17 21 | 2 29 | 9 49 | 2 56 | 16 34 | 2 24 | 17 9 | 0 51 | 17 5 | 0 43 | 2 0 | 2 43 | 23 22 | 0 23 | 9 49 | 1 1 | 5 57 | 16 51 | 4 57 | 5 9 | 10 20 | 9 52 | 5 41 |
| W10 | 2 44 | 12 12 | 1 26 | 10 14 | 3 2 | 16 59 | 2 29 | 17 22 | 0 52 | 17 2 | 0 43 | 2 2 | 2 43 | 23 21 | 0 23 | 9 49 | 1 1 | 5 57 | 16 51 | 4 57 | 5 11 | 10 23 | 9 50 | 5 41 |
| T 11 | 2 20 | 6 39 | 0 20 | 10 37 | 3 7 | 17 24 | 2 33 | 17 34 | 0 52 | 16 59 | 0 43 | 2 4 | 2 43 | 23 21 | 0 23 | 9 48 | 1 1 | 5 58 | 16 51 | 4 57 | 5 12 | 10 27 | 9 48 | 5 41 |
| F 12 | 1 57 | 0 55 | 0s46 | 10 58 | 3 12 | 17 49 | 2 38 | 17 47 | 0 53 | 16 55 | 0 43 | 2 6 | 2 43 | 23 21 | 0 23 | 9 47 | 1 1 | 5 58 | 16 51 | 4 57 | 5 13 | 10 30 | 9 45 | 5 41 |
| S 13 | 1 33 | 4s48 | 1 50 | 11 18 | 3 17 | 18 13 | 2 42 | 18 0 | 0 53 | 16 52 | 0 43 | 2 8 | 2 43 | 23 21 | 0 23 | 9 46 | 1 1 | 5 59 | 16 51 | 4 57 | 5 14 | 10 33 | 9 43 | 5 42 |
| S 14 | 1 9 | 10 19 | 2 49 | 11 35 | 3 21 | 18 37 | 2 47 | 18 12 | 0 54 | 16 49 | 0 44 | 2 10 | 2 43 | 23 21 | 0 23 | 9 46 | 1 1 | 5 59 | 16 51 | 4 58 | 5 16 | 10 36 | 9 40 | 5 42 |
| M15 | 0 46 | 15 28 | 3 40 | 11 49 | 3 25 | 19 0 | 2 51 | 18 25 | 0 54 | 16 45 | 0 44 | 2 12 | 2 43 | 23 21 | 0 23 | 9 45 | 1 2 | 6 0 | 16 52 | 4 58 | 5 17 | 10 39 | 9 38 | 5 42 |
| T 16 | 0 22 | 20 3 | 4 22 | 12 1 | 3 27 | 19 23 | 2 55 | 18 37 | 0 55 | 16 42 | 0 44 | 2 14 | 2 43 | 23 21 | 0 23 | 9 44 | 1 2 | 6 0 | 16 52 | 4 59 | 5 18 | 10 43 | 9 36 | 5 43 |
| W17 | 0s 2 | 23 53 | 4 53 | 12 10 | 3 29 | 19 45 | 3 0 | 18 49 | 0 56 | 16 39 | 0 44 | 2 16 | 2 43 | 23 21 | 0 23 | 9 43 | 1 2 | 6 1 | 16 52 | 4 59 | 5 19 | 10 46 | 9 33 | 5 43 |
| T 18 | 0 25 | 26 44 | 5 11 | 12 16 | 3 30 | 20 8 | 3 4 | 19 1 | 0 56 | 16 36 | 0 44 | 2 18 | 2 43 | 23 20 | 0 23 | 9 42 | 1 2 | 6 1 | 16 52 | 5 0 | 5 21 | 10 49 | 9 31 | 5 43 |
| F 19 | 0 49 | 28 23 | 5 16 | 12 19 | 3 30 | 20 29 | 3 8 | 19 13 | 0 57 | 16 33 | 0 44 | 2 19 | 2 43 | 23 20 | 0 23 | 9 42 | 1 2 | 6 2 | 16 52 | 5 1 | 5 22 | 10 52 | 9 29 | 5 43 |
| S 20 | 1 13 | 28 39 | 5 6 | 12 18 | 3 29 | 20 50 | 3 12 | 19 24 | 0 57 | 16 29 | 0 45 | 2 21 | 2 43 | 23 20 | 0 23 | 9 41 | 1 2 | 6 2 | 16 52 | 5 1 | 5 23 | 10 55 | 9 26 | 5 44 |
| S 21 | 1 36 | 27 23 | 4 41 | 12 13 | 3 26 | 21 11 | 3 16 | 19 36 | 0 57 | 16 26 | 0 45 | 2 23 | 2 43 | 23 20 | 0 23 | 9 40 | 1 2 | 6 2 | 16 52 | 5 1 | 5 24 | 10 59 | 9 24 | 5 44 |
| M22 | 2 0 | 24 34 | 4 0 | 12 3 | 3 22 | 21 31 | 3 20 | 19 47 | 0 58 | 16 23 | 0 45 | 2 25 | 2 43 | 23 20 | 0 23 | 9 39 | 1 2 | 6 3 | 16 52 | 5 0 | 5 26 | 11 2 | 9 22 | 5 44 |
| T 23 | 2 24 | 20 18 | 3 5 | 11 49 | 3 17 | 21 51 | 3 24 | 19 58 | 0 58 | 16 20 | 0 45 | 2 27 | 2 43 | 23 20 | 0 23 | 9 39 | 1 2 | 6 3 | 16 52 | 5 0 | 5 27 | 11 5 | 9 19 | 5 45 |
| W24 | 2 47 | 14 47 | 1 56 | 11 30 | 3 10 | 22 11 | 3 28 | 20 9 | 0 59 | 16 17 | 0 45 | 2 29 | 2 43 | 23 20 | 0 23 | 9 38 | 1 2 | 6 4 | 16 53 | 4 59 | 5 28 | 11 8 | 9 17 | 5 45 |
| T 25 | 3 11 | 8 17 | 0 39 | 11 7 | 3 1 | 22 29 | 3 32 | 20 20 | 0 59 | 16 14 | 0 45 | 2 31 | 2 43 | 23 20 | 0 23 | 9 37 | 1 2 | 6 4 | 16 53 | 4 59 | 5 29 | 11 11 | 9 15 | 5 45 |
| F 26 | 3 34 | 1 11 | 0n44 | 10 38 | 2 50 | 22 48 | 3 36 | 20 31 | 1 0 | 16 11 | 0 46 | 2 33 | 2 43 | 23 20 | 0 23 | 9 37 | 1 2 | 6 5 | 16 53 | 4 59 | 5 31 | 11 15 | 9 12 | 5 46 |
| S 27 | 3 58 | 6n 5 | 2 4 | 10 5 | 2 38 | 23 5 | 3 40 | 20 41 | 1 0 | 16 8 | 0 46 | 2 34 | 2 43 | 23 20 | 0 23 | 9 36 | 1 2 | 6 5 | 16 53 | 4 59 | 5 32 | 11 18 | 9 10 | 5 46 |
| S 28 | 4 21 | 13 2 | 3 16 | 9 28 | 2 23 | 23 23 | 3 43 | 20 52 | 1 1 | 16 5 | 0 46 | 2 36 | 2 43 | 23 20 | 0 23 | 9 35 | 1 2 | 6 6 | 16 53 | 5 0 | 5 33 | 11 21 | 9 8 | 5 47 |
| M29 | 4 45 | 19 11 | 4 13 | 8 47 | 2 7 | 23 40 | 3 47 | 21 2 | 1 1 | 16 2 | 0 46 | 2 38 | 2 43 | 23 20 | 0 23 | 9 34 | 1 2 | 6 6 | 16 53 | 5 1 | 5 34 | 11 24 | 9 6 | 5 47 |
| T 30 | 5s 8 | 24n 3 | 4n52 | 8s 2 | 1s49 | 23s56 | 3s50 | 21s12 | 1s 1 | 15n59 | 0n46 | 2s40 | 2s43 | 23n20 | 0n23 | 9n34 | 1n 2 | 6s 7 | 16s53 | 5s 3 | 5s35 | 11s27 | 9n 3 | 5s47 |

Julian Day Number = 2127824.5, Delta T = 17m00s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'02, Lahiri = 11°30'02 Julian Calendar 1 Sept. 1113 == Greg. Calendar 8 Sept. 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## OCTOBER 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 3 14 | 13♎56'27 | 10♊24 | 14°R51 | 0♐41 | 0♐28 | 19♌ 2 | 29°R29 | 12♋47 | 8♍ 3 | 24°R41 | 17°R14 | 15♓50 | 22♎11 | 21♌10 | W 1 |
| T 2 | 1 7 11 | 14°56'11 | 24°31 | 13♎36 | 1°38 | 1°12 | 19°12 | 29♓25 | 12°47 | 8° 5 | 24♈40 | 17♓11 | 15°47 | 22°18 | 21°16 | T 2 |
| F 3 | 1 11 8 | 15°55'57 | 8♋10 | 12°24 | 2°34 | 1°56 | 19°21 | 29°20 | 12°48 | 8° 6 | 24°39 | 17°10 | 15°44 | 22°24 | 21°22 | F 3 |
| S 4 | 1 15 4 | 16°55'46 | 21°23 | 11°16 | 3°31 | 2°40 | 19°31 | 29°16 | 12°48 | 8° 8 | 24°37 | 17°D 9 | 15°41 | 22°31 | 21°28 | S 4 |
| S 5 | 1 19 1 | 17°55'37 | 4♌13 | 10°14 | 4°26 | 3°24 | 19°41 | 29°11 | 12°49 | 8°10 | 24°36 | 17°10 | 15°38 | 22°38 | 21°33 | S 5 |
| M 6 | 1 22 57 | 18°55'31 | 16°43 | 9°21 | 5°22 | 4° 9 | 19°50 | 29° 7 | 12°49 | 8°12 | 24°35 | 17°12 | 15°34 | 22°44 | 21°39 | M 6 |
| T 7 | 1 26 54 | 19°55'26 | 28°58 | 8°38 | 6°16 | 4°53 | 19°59 | 29° 3 | 12°49 | 8°14 | 24°34 | 17°14 | 15°31 | 22°51 | 21°45 | T 7 |
| W 8 | 1 30 50 | 20°55'24 | 11♍ 1 | 8° 5 | 7°11 | 5°37 | 20° 9 | 28°59 | 12°50 | 8°15 | 24°33 | 17°15 | 15°28 | 22°58 | 21°50 | W 8 |
| T 9 | 1 34 47 | 21°55'23 | 22°56 | 7°44 | 8° 4 | 6°22 | 20°18 | 28°54 | 12°50 | 8°17 | 24°32 | 17°R15 | 15°25 | 23° 4 | 21°55 | T 9 |
| F 10 | 1 38 43 | 22°55'25 | 4♎47 | 7°D34 | 8°57 | 7° 6 | 20°27 | 28°50 | 12°50 | 8°19 | 24°31 | 17°13 | 15°22 | 23°11 | 22° 1 | F 10 |
| S 11 | 1 42 40 | 23°55'29 | 16°36 | 7°36 | 9°49 | 7°51 | 20°36 | 28°46 | 12°50 | 8°21 | 24°30 | 17°10 | 15°18 | 23°18 | 22° 6 | S 11 |
| S 12 | 1 46 37 | 24°55'35 | 28°25 | 7°48 | 10°41 | 8°35 | 20°44 | 28°42 | 12°50 | 8°22 | 24°28 | 17° 4 | 15°15 | 23°24 | 22°11 | S 12 |
| M13 | 1 50 33 | 25°55'42 | 10♏15 | 8°11 | 11°32 | 9°20 | 20°53 | 28°38 | 12°R50 | 8°24 | 24°27 | 16°58 | 15°12 | 23°31 | 22°16 | M13 |
| T 14 | 1 54 30 | 26°55'52 | 22°10 | 8°44 | 12°22 | 10° 5 | 21° 2 | 28°34 | 12°50 | 8°25 | 24°26 | 16°50 | 15° 9 | 23°38 | 22°21 | T 14 |
| W15 | 1 58 26 | 27°56'03 | 4♐10 | 9°25 | 13°12 | 10°50 | 21°10 | 28°31 | 12°50 | 8°27 | 24°25 | 16°42 | 15° 6 | 23°44 | 22°26 | W15 |
| T 16 | 2 2 23 | 28°56'16 | 16°17 | 10°14 | 14° 0 | 11°35 | 21°18 | 28°27 | 12°50 | 8°29 | 24°24 | 16°35 | 15° 3 | 23°51 | 22°31 | T 16 |
| F 17 | 2 6 19 | 29°56'31 | 28°35 | 11°10 | 14°48 | 12°20 | 21°27 | 28°23 | 12°50 | 8°30 | 24°23 | 16°29 | 14°59 | 23°58 | 22°36 | F 17 |
| S 18 | 2 10 16 | 0♏56'47 | 11♑ 5 | 12°12 | 15°35 | 13° 5 | 21°35 | 28°19 | 12°49 | 8°32 | 24°22 | 16°25 | 14°56 | 24° 4 | 22°41 | S 18 |
| S 19 | 2 14 12 | 1°57'05 | 23°52 | 13°20 | 16°22 | 13°50 | 21°43 | 28°16 | 12°49 | 8°33 | 24°21 | 16°23 | 14°53 | 24°11 | 22°45 | S 19 |
| M20 | 2 18 9 | 2°57'24 | 6♒59 | 14°32 | 17° 7 | 14°35 | 21°50 | 28°12 | 12°49 | 8°35 | 24°19 | 16°D22 | 14°50 | 24°18 | 22°50 | M20 |
| T 21 | 2 22 6 | 3°57'45 | 20°28 | 15°48 | 17°51 | 15°20 | 21°58 | 28° 9 | 12°48 | 8°36 | 24°18 | 16°23 | 14°47 | 24°24 | 22°54 | T 21 |
| W22 | 2 26 2 | 4°58'07 | 4♓23 | 17° 7 | 18°34 | 16° 5 | 22° 5 | 28° 6 | 12°48 | 8°38 | 24°17 | 16°24 | 14°44 | 24°31 | 22°58 | W22 |
| T 23 | 2 29 59 | 5°58'30 | 18°44 | 18°29 | 19°17 | 16°51 | 22°13 | 28° 2 | 12°47 | 8°39 | 24°16 | 16°R25 | 14°40 | 24°38 | 23° 3 | T 23 |
| F 24 | 2 33 55 | 6°58'55 | 3♈28 | 19°54 | 19°58 | 17°36 | 22°20 | 27°59 | 12°47 | 8°40 | 24°15 | 16°24 | 14°37 | 24°44 | 23° 7 | F 24 |
| S 25 | 2 37 52 | 7°59'21 | 18°32 | 21°21 | 20°38 | 18°22 | 22°27 | 27°56 | 12°46 | 8°42 | 24°14 | 16°20 | 14°34 | 24°51 | 23°11 | S 25 |
| S 26 | 2 41 48 | 8°59'49 | 3♉47 | 22°49 | 21°17 | 19° 7 | 22°34 | 27°53 | 12°45 | 8°43 | 24°13 | 16°14 | 14°31 | 24°58 | 23°15 | S 26 |
| M27 | 2 45 45 | 10° 0'19 | 19° 3 | 24°19 | 21°54 | 19°53 | 22°41 | 27°50 | 12°45 | 8°44 | 24°12 | 16° 7 | 14°28 | 25° 4 | 23°19 | M27 |
| T 28 | 2 49 41 | 11° 0'50 | 4♊ 9 | 25°49 | 22°30 | 20°38 | 22°48 | 27°48 | 12°44 | 8°46 | 24°11 | 15°58 | 14°24 | 25°11 | 23°23 | T 28 |
| W29 | 2 53 38 | 12° 1'23 | 18°55 | 27°21 | 23° 5 | 21°24 | 22°54 | 27°45 | 12°43 | 8°47 | 24°10 | 15°49 | 14°21 | 25°18 | 23°26 | W29 |
| T 30 | 2 57 35 | 13° 1'57 | 3♋14 | 28°53 | 23°39 | 22°10 | 23° 1 | 27°42 | 12°42 | 8°48 | 24° 8 | 15°42 | 14°18 | 25°25 | 23°30 | T 30 |
| F 31 | 3 1 31 | 14♏ 2'34 | 17♋ 4 | 0♏26 | 24♐11 | 22♐55 | 23♌ 7 | 27♓40 | 12♋41 | 8♍49 | 24♈ 7 | 15♓36 | 14♓15 | 25♎31 | 23♌33 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s32 | 27n15 | 5n12 | 7s16 | 1s30 | 24s12 | 3s53 | 21s21 | 1s 2 | 15n56 | 0n46 | 2s42 | 2s43 | 23n20 | 0n23 | 9n33 | 1n 2 | 6s 7 | 16s53 | 5s 4 | 5s37 | 11s31 | 9n 1 | 5s48 |
| T 2 | 5 55 | 28 38 | 5 11 | 6 28 | 1 10 | 24 27 | 3 57 | 21 31 | 1 2 | 15 53 | 0 47 | 2 43 | 2 43 | 23 20 | 0 23 | 9 32 | 1 2 | 6 7 | 16 53 | 5 5 | 5 38 | 11 34 | 8 59 | 5 48 |
| F 3 | 6 18 | 28 11 | 4 53 | 5 41 | 0 49 | 24 41 | 4 0 | 21 40 | 1 3 | 15 50 | 0 47 | 2 45 | 2 43 | 23 20 | 0 23 | 9 32 | 1 2 | 6 8 | 16 53 | 5 6 | 5 39 | 11 37 | 8 57 | 5 49 |
| S 4 | 6 41 | 26 7 | 4 20 | 4 55 | 0 29 | 24 56 | 4 3 | 21 50 | 1 3 | 15 47 | 0 47 | 2 47 | 2 43 | 23 20 | 0 23 | 9 31 | 1 2 | 6 8 | 16 53 | 5 6 | 5 40 | 11 40 | 8 54 | 5 49 |
| S 5 | 7 4 | 22 46 | 3 34 | 4 12 | 0 8 | 25 9 | 4 5 | 21 59 | 1 3 | 15 44 | 0 47 | 2 48 | 2 43 | 23 20 | 0 23 | 9 30 | 1 2 | 6 9 | 16 53 | 5 5 | 5 42 | 11 43 | 8 52 | 5 49 |
| M 6 | 7 27 | 18 26 | 2 39 | 3 33 | 0n11 | 25 22 | 4 8 | 22 7 | 1 4 | 15 41 | 0 47 | 2 50 | 2 43 | 23 20 | 0 24 | 9 30 | 1 2 | 6 9 | 16 53 | 5 5 | 5 43 | 11 46 | 8 50 | 5 50 |
| T 7 | 7 50 | 13 26 | 1 38 | 2 59 | 0 30 | 25 35 | 4 11 | 22 16 | 1 4 | 15 39 | 0 48 | 2 52 | 2 42 | 23 20 | 0 24 | 9 29 | 1 2 | 6 10 | 16 53 | 5 4 | 5 44 | 11 50 | 8 48 | 5 50 |
| W 8 | 8 12 | 8 0 | 0 34 | 2 30 | 0 47 | 25 46 | 4 13 | 22 24 | 1 5 | 15 36 | 0 48 | 2 53 | 2 42 | 23 20 | 0 24 | 9 28 | 1 2 | 6 10 | 16 53 | 5 4 | 5 45 | 11 53 | 8 46 | 5 51 |
| T 9 | 8 35 | 2 20 | 0s31 | 2 7 | 1 3 | 25 58 | 4 16 | 22 33 | 1 5 | 15 33 | 0 48 | 2 55 | 2 42 | 23 20 | 0 24 | 9 28 | 1 2 | 6 10 | 16 53 | 5 4 | 5 47 | 11 56 | 8 44 | 5 51 |
| F 10 | 8 57 | 3s21 | 1 34 | 1 50 | 1 18 | 26 9 | 4 18 | 22 40 | 1 5 | 15 30 | 0 48 | 2 56 | 2 42 | 23 20 | 0 24 | 9 27 | 1 2 | 6 11 | 16 53 | 5 4 | 5 48 | 11 59 | 8 41 | 5 52 |
| S 11 | 9 20 | 8 54 | 2 33 | 1 39 | 1 30 | 26 19 | 4 20 | 22 48 | 1 6 | 15 28 | 0 48 | 2 58 | 2 42 | 23 20 | 0 24 | 9 27 | 1 2 | 6 11 | 16 53 | 5 6 | 5 49 | 12 2 | 8 39 | 5 52 |
| S 12 | 9 42 | 14 9 | 3 25 | 1 34 | 1 41 | 26 28 | 4 22 | 22 56 | 1 6 | 15 25 | 0 49 | 2 59 | 2 42 | 23 20 | 0 24 | 9 26 | 1 2 | 6 12 | 16 53 | 5 8 | 5 50 | 12 5 | 8 37 | 5 53 |
| M13 | 10 4 | 18 53 | 4 8 | 1 35 | 1 50 | 26 37 | 4 23 | 23 3 | 1 6 | 15 22 | 0 49 | 3 1 | 2 42 | 23 20 | 0 24 | 9 25 | 1 2 | 6 12 | 16 53 | 5 10 | 5 52 | 12 8 | 8 35 | 5 53 |
| T 14 | 10 26 | 22 55 | 4 41 | 1 41 | 1 57 | 26 46 | 4 25 | 23 10 | 1 7 | 15 20 | 0 49 | 3 2 | 2 42 | 23 20 | 0 24 | 9 25 | 1 2 | 6 12 | 16 53 | 5 13 | 5 53 | 12 12 | 8 33 | 5 53 |
| W15 | 10 47 | 26 1 | 5 2 | 1 52 | 2 3 | 26 54 | 4 26 | 23 17 | 1 7 | 15 17 | 0 49 | 3 4 | 2 42 | 23 20 | 0 24 | 9 24 | 1 2 | 6 13 | 16 53 | 5 17 | 5 54 | 12 15 | 8 31 | 5 54 |
| T 16 | 11 9 | 27 58 | 5 9 | 2 7 | 2 8 | 27 1 | 4 27 | 23 23 | 1 7 | 15 15 | 0 49 | 3 5 | 2 41 | 23 20 | 0 24 | 9 24 | 1 2 | 6 13 | 16 53 | 5 19 | 5 55 | 12 18 | 8 29 | 5 54 |
| F 17 | 11 30 | 28 35 | 5 2 | 2 26 | 2 11 | 27 8 | 4 28 | 23 30 | 1 7 | 15 12 | 0 50 | 3 7 | 2 41 | 23 20 | 0 24 | 9 23 | 1 2 | 6 13 | 16 53 | 5 22 | 5 56 | 12 21 | 8 27 | 5 55 |
| S 18 | 11 52 | 27 45 | 4 41 | 2 49 | 2 13 | 27 14 | 4 29 | 23 36 | 1 8 | 15 10 | 0 50 | 3 8 | 2 41 | 23 20 | 0 24 | 9 23 | 1 2 | 6 14 | 16 53 | 5 23 | 5 58 | 12 24 | 8 25 | 5 55 |
| S 19 | 12 13 | 25 28 | 4 5 | 3 14 | 2 13 | 27 20 | 4 30 | 23 42 | 1 8 | 15 8 | 0 50 | 3 9 | 2 41 | 23 20 | 0 24 | 9 22 | 1 3 | 6 14 | 16 53 | 5 24 | 5 59 | 12 27 | 8 23 | 5 56 |
| M20 | 12 33 | 21 47 | 3 16 | 3 42 | 2 13 | 27 25 | 4 30 | 23 47 | 1 8 | 15 5 | 0 50 | 3 10 | 2 41 | 23 20 | 0 24 | 9 22 | 1 3 | 6 14 | 16 53 | 5 24 | 6 0 | 12 30 | 8 21 | 5 56 |
| T 21 | 12 54 | 16 52 | 2 15 | 4 13 | 2 12 | 27 29 | 4 30 | 23 53 | 1 8 | 15 3 | 0 51 | 3 12 | 2 41 | 23 20 | 0 24 | 9 21 | 1 3 | 6 15 | 16 53 | 5 24 | 6 1 | 12 34 | 8 19 | 5 57 |
| W22 | 13 14 | 10 57 | 1 4 | 4 45 | 2 10 | 27 33 | 4 30 | 23 58 | 1 9 | 15 1 | 0 51 | 3 13 | 2 40 | 23 20 | 0 24 | 9 21 | 1 3 | 6 15 | 16 53 | 5 23 | 6 3 | 12 37 | 8 17 | 5 58 |
| T 23 | 13 35 | 4 17 | 0n12 | 5 19 | 2 8 | 27 36 | 4 30 | 24 3 | 1 9 | 14 59 | 0 51 | 3 14 | 2 40 | 23 20 | 0 24 | 9 20 | 1 3 | 6 15 | 16 53 | 5 23 | 6 4 | 12 40 | 8 16 | 5 58 |
| F 24 | 13 55 | 2n46 | 1 31 | 5 54 | 2 4 | 27 39 | 4 29 | 24 7 | 1 9 | 14 56 | 0 51 | 3 15 | 2 40 | 23 20 | 0 24 | 9 20 | 1 3 | 6 16 | 16 53 | 5 24 | 6 5 | 12 43 | 8 14 | 5 59 |
| S 25 | 14 14 | 9 49 | 2 44 | 6 30 | 2 1 | 27 41 | 4 28 | 24 12 | 1 9 | 14 54 | 0 51 | 3 16 | 2 40 | 23 20 | 0 24 | 9 19 | 1 3 | 6 16 | 16 52 | 5 25 | 6 6 | 12 46 | 8 12 | 5 59 |
| S 26 | 14 34 | 16 23 | 3 46 | 7 7 | 1 56 | 27 43 | 4 27 | 24 16 | 1 10 | 14 52 | 0 52 | 3 17 | 2 40 | 23 20 | 0 24 | 9 19 | 1 3 | 6 16 | 16 52 | 5 27 | 6 8 | 12 49 | 8 10 | 6 0 |
| M27 | 14 53 | 21 56 | 4 32 | 7 45 | 1 51 | 27 44 | 4 26 | 24 20 | 1 10 | 14 50 | 0 52 | 3 18 | 2 40 | 23 21 | 0 24 | 9 18 | 1 3 | 6 16 | 16 52 | 5 30 | 6 9 | 12 52 | 8 8 | 6 0 |
| T 28 | 15 12 | 25 58 | 4 59 | 8 22 | 1 46 | 27 44 | 4 24 | 24 23 | 1 10 | 14 48 | 0 52 | 3 19 | 2 39 | 23 21 | 0 24 | 9 18 | 1 3 | 6 17 | 16 52 | 5 34 | 6 10 | 12 55 | 8 7 | 6 1 |
| W29 | 15 31 | 28 9 | 5 5 | 9 1 | 1 41 | 27 44 | 4 22 | 24 27 | 1 10 | 14 46 | 0 52 | 3 20 | 2 39 | 23 21 | 0 24 | 9 17 | 1 3 | 6 17 | 16 52 | 5 37 | 6 11 | 12 58 | 8 5 | 6 1 |
| T 30 | 15 50 | 28 22 | 4 51 | 9 39 | 1 35 | 27 44 | 4 20 | 24 30 | 1 10 | 14 44 | 0 53 | 3 21 | 2 39 | 23 21 | 0 24 | 9 17 | 1 3 | 6 17 | 16 52 | 5 40 | 6 12 | 13 1 | 8 3 | 6 2 |
| F 31 | 16s 8 | 26n47 | 4n21 | 10s17 | 1n29 | 27s43 | 4s17 | 24s33 | 1s11 | 14n43 | 0n53 | 3s22 | 2s39 | 23n21 | 0n24 | 9n16 | 1n 3 | 6s17 | 16s52 | 5s42 | 6s14 | 13s 5 | 8n 2 | 6s 2 |

Julian Day Number = 2127854.5, Delta T = 16m59s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'06, Lahiri = 11°30'06 Julian Calendar 1 Oct. 1113 == Greg. Calendar 8 Oct. 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## NOVEMBER 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 5 28 | 15♏ 3'12 | 0♌23 | 2♏ 0 | 24♐42 | 23♐41 | 23♌13 | 27°R37 | 12°R40 | 8♍50 | 24°R 6 | 15°R33 | 14♓12 | 25♎38 | 23♌37 | S 1 |
| S 2 | 3 9 24 | 16° 3'52 | 13°15 | 3°34 | 25°11 | 24°27 | 23°19 | 27♓35 | 12♋39 | 8°51 | 24♈ 5 | 15°D32 | 14° 9 | 25°45 | 23°40 | S 2 |
| M 3 | 3 13 21 | 17° 4'34 | 25°45 | 5° 8 | 25°38 | 25°13 | 23°25 | 27°33 | 12°38 | 8°53 | 24° 4 | 15♓32 | 14° 5 | 25°51 | 23°43 | M 3 |
| T 4 | 3 17 17 | 18° 5'17 | 7♍56 | 6°42 | 26° 4 | 25°59 | 23°30 | 27°31 | 12°37 | 8°54 | 24° 3 | 15°33 | 14° 2 | 25°58 | 23°46 | T 4 |
| W 5 | 3 21 14 | 19° 6'02 | 19°55 | 8°16 | 26°28 | 26°45 | 23°36 | 27°28 | 12°36 | 8°55 | 24° 2 | 15°R33 | 13°59 | 26° 5 | 23°49 | W 5 |
| T 6 | 3 25 10 | 20° 6'48 | 1♎45 | 9°50 | 26°50 | 27°31 | 23°41 | 27°27 | 12°34 | 8°56 | 24° 1 | 15°31 | 13°56 | 26°11 | 23°52 | T 6 |
| F 7 | 3 29 7 | 21° 7'36 | 13°33 | 11°25 | 27°11 | 28°17 | 23°46 | 27°25 | 12°33 | 8°57 | 24° 0 | 15°27 | 13°53 | 26°18 | 23°55 | F 7 |
| S 8 | 3 33 4 | 22° 8'25 | 25°21 | 12°59 | 27°29 | 29° 3 | 23°51 | 27°23 | 12°32 | 8°58 | 23°59 | 15°21 | 13°49 | 26°25 | 23°58 | S 8 |
| S 9 | 3 37 0 | 23° 9'16 | 7♏12 | 14°34 | 27°46 | 29°49 | 23°56 | 27°21 | 12°30 | 8°58 | 23°58 | 15°11 | 13°46 | 26°31 | 24° 0 | S 9 |
| M10 | 3 40 57 | 24°10'08 | 19° 8 | 16° 8 | 28° 0 | 0♑36 | 24° 0 | 27°20 | 12°29 | 8°59 | 23°57 | 14°59 | 13°43 | 26°38 | 24° 3 | M10 |
| T 11 | 3 44 53 | 25°11'02 | 1♐11 | 17°42 | 28°13 | 1°22 | 24° 5 | 27°18 | 12°28 | 9° 0 | 23°56 | 14°46 | 13°40 | 26°45 | 24° 5 | T 11 |
| W12 | 3 48 50 | 26°11'56 | 13°22 | 19°17 | 28°23 | 2° 8 | 24° 9 | 27°17 | 12°26 | 9° 1 | 23°55 | 14°32 | 13°37 | 26°51 | 24° 7 | W12 |
| T 13 | 3 52 46 | 27°12'52 | 25°41 | 20°51 | 28°31 | 2°55 | 24°13 | 27°16 | 12°24 | 9° 2 | 23°54 | 14°19 | 13°34 | 26°58 | 24° 9 | T 13 |
| F 14 | 3 56 43 | 28°13'48 | 8♑10 | 22°25 | 28°36 | 3°41 | 24°17 | 27°15 | 12°23 | 9° 2 | 23°54 | 14° 8 | 13°30 | 27° 5 | 24°11 | F 14 |
| S 15 | 4 0 39 | 29°14'46 | 20°49 | 24° 0 | 28°39 | 4°28 | 24°21 | 27°14 | 12°21 | 9° 3 | 23°53 | 13°59 | 13°27 | 27°11 | 24°13 | S 15 |
| S 16 | 4 4 36 | 0♐15'44 | 3♒41 | 25°34 | 28°R40 | 5°14 | 24°24 | 27°13 | 12°19 | 9° 4 | 23°52 | 13°54 | 13°24 | 27°18 | 24°15 | S 16 |
| M17 | 4 8 33 | 1°16'43 | 16°48 | 27° 8 | 28°39 | 6° 1 | 24°28 | 27°12 | 12°18 | 9° 4 | 23°51 | 13°51 | 13°21 | 27°25 | 24°17 | M17 |
| T 18 | 4 12 29 | 2°17'43 | 0♓11 | 28°42 | 28°34 | 6°47 | 24°31 | 27°11 | 12°16 | 9° 5 | 23°50 | 13°D51 | 13°18 | 27°31 | 24°19 | T 18 |
| W19 | 4 16 26 | 3°18'43 | 13°54 | 0♐16 | 28°28 | 7°34 | 24°34 | 27°11 | 12°14 | 9° 6 | 23°49 | 13°R51 | 13°15 | 27°38 | 24°20 | W19 |
| T 20 | 4 20 22 | 4°19'44 | 27°59 | 1°50 | 28°19 | 8°21 | 24°37 | 27°10 | 12°12 | 9° 6 | 23°48 | 13°50 | 13°11 | 27°45 | 24°21 | T 20 |
| F 21 | 4 24 19 | 5°20'45 | 12♈24 | 3°25 | 28° 7 | 9° 7 | 24°39 | 27°10 | 12°10 | 9° 7 | 23°48 | 13°48 | 13° 8 | 27°52 | 24°23 | F 21 |
| S 22 | 4 28 15 | 6°21'47 | 27° 8 | 4°59 | 27°53 | 9°54 | 24°42 | 27°10 | 12° 8 | 9° 7 | 23°47 | 13°43 | 13° 5 | 27°58 | 24°24 | S 22 |
| S 23 | 4 32 12 | 7°22'50 | 12♉ 5 | 6°33 | 27°36 | 10°41 | 24°44 | 27°10 | 12° 6 | 9° 7 | 23°46 | 13°35 | 13° 2 | 28° 5 | 24°25 | S 23 |
| M24 | 4 36 9 | 8°23'53 | 27° 7 | 8° 8 | 27°18 | 11°28 | 24°46 | 27°D 9 | 12° 4 | 9° 8 | 23°45 | 13°24 | 12°59 | 28°12 | 24°26 | M24 |
| T 25 | 4 40 5 | 9°24'57 | 12♊ 5 | 9°42 | 26°56 | 12°14 | 24°48 | 27°10 | 12° 2 | 9° 8 | 23°44 | 13°12 | 12°55 | 28°18 | 24°27 | T 25 |
| W26 | 4 44 2 | 10°26'02 | 26°50 | 11°17 | 26°33 | 13° 1 | 24°50 | 27°10 | 12° 0 | 9° 9 | 23°44 | 13° 0 | 12°52 | 28°25 | 24°27 | W26 |
| T 27 | 4 47 58 | 11°27'08 | 11♋12 | 12°51 | 26° 7 | 13°48 | 24°51 | 27°10 | 11°58 | 9° 9 | 23°43 | 12°50 | 12°49 | 28°32 | 24°28 | T 27 |
| F 28 | 4 51 55 | 12°28'14 | 25° 7 | 14°26 | 25°40 | 14°35 | 24°53 | 27°11 | 11°56 | 9° 9 | 23°42 | 12°41 | 12°46 | 28°38 | 24°28 | F 28 |
| S 29 | 4 55 51 | 13°29'21 | 8♌32 | 16° 1 | 25°10 | 15°22 | 24°54 | 27°11 | 11°54 | 9° 9 | 23°42 | 12°35 | 12°43 | 28°45 | 24°29 | S 29 |
| S 30 | 4 59 48 | 14♐30'28 | 21♌31 | 17♐36 | 24♐39 | 16♑ 9 | 24♌55 | 27♓12 | 11♋52 | 9♍10 | 23♈41 | 12♓32 | 12♓40 | 28♎52 | 24♌29 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s26 | 23n42 | 3n37 | 10s56 | 1n23 | 27s41 | 4s15 | 24s35 | 1s11 | 14n41 | 0n53 | 3s22 | 2s39 | 23n21 | 0n24 | 9n16 | 1n 3 | 6s18 | 16s52 | 5s43 | 6s15 | 13s 8 | 8n 0 | 6s 3 |
| S 2 | 16 44 | 19 32 | 2 44 | 11 34 | 1 17 | 27 39 | 4 11 | 24 37 | 1 11 | 14 39 | 0 53 | 3 23 | 2 38 | 23 21 | 0 24 | 9 16 | 1 3 | 6 18 | 16 51 | 5 44 | 6 16 | 13 11 | 7 58 | 6 4 |
| M 3 | 17 1 | 14 38 | 1 44 | 12 11 | 1 10 | 27 37 | 4 8 | 24 39 | 1 11 | 14 37 | 0 54 | 3 24 | 2 38 | 23 21 | 0 24 | 9 15 | 1 3 | 6 18 | 16 51 | 5 44 | 6 17 | 13 14 | 7 57 | 6 4 |
| T 4 | 17 18 | 9 16 | 0 41 | 12 49 | 1 4 | 27 33 | 4 4 | 24 41 | 1 11 | 14 36 | 0 54 | 3 25 | 2 38 | 23 22 | 0 24 | 9 15 | 1 3 | 6 18 | 16 51 | 5 44 | 6 19 | 13 17 | 7 55 | 6 5 |
| W 5 | 17 35 | 3 40 | 0s23 | 13 26 | 0 57 | 27 30 | 3 59 | 24 42 | 1 11 | 14 34 | 0 54 | 3 25 | 2 38 | 23 22 | 0 24 | 9 15 | 1 3 | 6 19 | 16 51 | 5 44 | 6 20 | 13 20 | 7 54 | 6 5 |
| T 6 | 17 51 | 2s 0 | 1 25 | 14 3 | 0 50 | 27 25 | 3 54 | 24 44 | 1 12 | 14 33 | 0 54 | 3 26 | 2 38 | 23 22 | 0 24 | 9 14 | 1 3 | 6 19 | 16 51 | 5 44 | 6 21 | 13 23 | 7 52 | 6 6 |
| F 7 | 18 8 | 7 34 | 2 23 | 14 39 | 0 43 | 27 21 | 3 49 | 24 44 | 1 12 | 14 31 | 0 55 | 3 26 | 2 37 | 23 22 | 0 24 | 9 14 | 1 3 | 6 19 | 16 51 | 5 46 | 6 22 | 13 26 | 7 51 | 6 6 |
| S 8 | 18 24 | 12 52 | 3 15 | 15 14 | 0 36 | 27 16 | 3 44 | 24 45 | 1 12 | 14 30 | 0 55 | 3 27 | 2 37 | 23 22 | 0 24 | 9 14 | 1 3 | 6 19 | 16 50 | 5 48 | 6 24 | 13 29 | 7 49 | 6 7 |
| S 9 | 18 39 | 17 44 | 3 58 | 15 49 | 0 30 | 27 10 | 3 38 | 24 45 | 1 12 | 14 28 | 0 55 | 3 27 | 2 37 | 23 22 | 0 25 | 9 13 | 1 3 | 6 19 | 16 50 | 5 52 | 6 25 | 13 32 | 7 48 | 6 8 |
| M10 | 18 54 | 21 56 | 4 31 | 16 23 | 0 23 | 27 4 | 3 31 | 24 45 | 1 12 | 14 27 | 0 55 | 3 28 | 2 37 | 23 22 | 0 25 | 9 13 | 1 3 | 6 20 | 16 50 | 5 57 | 6 26 | 13 35 | 7 47 | 6 8 |
| T 11 | 19 9 | 25 16 | 4 53 | 16 57 | 0 16 | 26 57 | 3 24 | 24 45 | 1 12 | 14 26 | 0 56 | 3 28 | 2 36 | 23 23 | 0 25 | 9 13 | 1 3 | 6 20 | 16 50 | 6 2 | 6 27 | 13 38 | 7 45 | 6 9 |
| W12 | 19 24 | 27 29 | 5 1 | 17 29 | 0 9 | 26 49 | 3 17 | 24 45 | 1 12 | 14 25 | 0 56 | 3 28 | 2 36 | 23 23 | 0 25 | 9 13 | 1 4 | 6 20 | 16 50 | 6 7 | 6 28 | 13 41 | 7 44 | 6 9 |
| T 13 | 19 38 | 28 24 | 4 55 | 18 1 | 0 2 | 26 42 | 3 9 | 24 44 | 1 12 | 14 24 | 0 56 | 3 29 | 2 36 | 23 23 | 0 25 | 9 12 | 1 4 | 6 20 | 16 49 | 6 12 | 6 30 | 13 44 | 7 43 | 6 10 |
| F 14 | 19 52 | 27 53 | 4 35 | 18 32 | 0s 5 | 26 33 | 3 0 | 24 43 | 1 12 | 14 23 | 0 56 | 3 29 | 2 36 | 23 23 | 0 25 | 9 12 | 1 4 | 6 20 | 16 49 | 6 16 | 6 31 | 13 47 | 7 42 | 6 11 |
| S 15 | 20 5 | 25 55 | 4 2 | 19 3 | 0 11 | 26 24 | 2 51 | 24 41 | 1 12 | 14 22 | 0 57 | 3 29 | 2 35 | 23 23 | 0 25 | 9 12 | 1 4 | 6 20 | 16 49 | 6 20 | 6 32 | 13 50 | 7 40 | 6 11 |
| S 16 | 20 18 | 22 35 | 3 15 | 19 32 | 0 18 | 26 15 | 2 42 | 24 40 | 1 12 | 14 21 | 0 57 | 3 29 | 2 35 | 23 24 | 0 25 | 9 12 | 1 4 | 6 20 | 16 49 | 6 22 | 6 33 | 13 53 | 7 39 | 6 12 |
| M17 | 20 31 | 18 4 | 2 18 | 20 1 | 0 25 | 26 5 | 2 32 | 24 38 | 1 13 | 14 20 | 0 57 | 3 29 | 2 35 | 23 24 | 0 25 | 9 11 | 1 4 | 6 20 | 16 49 | 6 23 | 6 35 | 13 57 | 7 38 | 6 12 |
| T 18 | 20 43 | 12 35 | 1 12 | 20 28 | 0 31 | 25 55 | 2 22 | 24 35 | 1 13 | 14 19 | 0 57 | 3 29 | 2 35 | 23 24 | 0 25 | 9 11 | 1 4 | 6 20 | 16 48 | 6 23 | 6 36 | 14 0 | 7 37 | 6 13 |
| W19 | 20 55 | 6 21 | 0n 0 | 20 55 | 0 37 | 25 44 | 2 11 | 24 33 | 1 13 | 14 18 | 0 58 | 3 29 | 2 34 | 23 24 | 0 25 | 9 11 | 1 4 | 6 21 | 16 48 | 6 23 | 6 37 | 14 3 | 7 36 | 6 14 |
| T 20 | 21 7 | 0n19 | 1 14 | 21 20 | 0 44 | 25 32 | 1 59 | 24 30 | 1 13 | 14 17 | 0 58 | 3 29 | 2 34 | 23 24 | 0 25 | 9 11 | 1 4 | 6 21 | 16 48 | 6 23 | 6 38 | 14 6 | 7 35 | 6 14 |
| F 21 | 21 18 | 7 8 | 2 25 | 21 45 | 0 50 | 25 20 | 1 47 | 24 27 | 1 13 | 14 17 | 0 58 | 3 29 | 2 34 | 23 24 | 0 25 | 9 11 | 1 4 | 6 21 | 16 48 | 6 24 | 6 39 | 14 9 | 7 34 | 6 15 |
| S 22 | 21 29 | 13 43 | 3 27 | 22 9 | 0 56 | 25 7 | 1 35 | 24 24 | 1 13 | 14 16 | 0 58 | 3 29 | 2 34 | 23 25 | 0 25 | 9 11 | 1 4 | 6 21 | 16 47 | 6 26 | 6 41 | 14 12 | 7 33 | 6 15 |
| S 23 | 21 39 | 19 36 | 4 16 | 22 31 | 1 1 | 24 54 | 1 22 | 24 20 | 1 13 | 14 16 | 0 59 | 3 29 | 2 33 | 23 25 | 0 25 | 9 11 | 1 4 | 6 21 | 16 47 | 6 29 | 6 42 | 14 15 | 7 32 | 6 16 |
| M24 | 21 49 | 24 17 | 4 48 | 22 52 | 1 7 | 24 40 | 1 9 | 24 16 | 1 13 | 14 15 | 0 59 | 3 29 | 2 33 | 23 25 | 0 25 | 9 10 | 1 4 | 6 21 | 16 47 | 6 33 | 6 43 | 14 18 | 7 31 | 6 17 |
| T 25 | 21 58 | 27 18 | 5 0 | 23 13 | 1 13 | 24 26 | 0 55 | 24 12 | 1 13 | 14 15 | 0 59 | 3 28 | 2 33 | 23 25 | 0 25 | 9 10 | 1 4 | 6 21 | 16 47 | 6 38 | 6 44 | 14 21 | 7 30 | 6 17 |
| W26 | 22 7 | 28 22 | 4 51 | 23 32 | 1 18 | 24 11 | 0 41 | 24 7 | 1 13 | 14 14 | 0 59 | 3 28 | 2 33 | 23 25 | 0 25 | 9 10 | 1 4 | 6 21 | 16 46 | 6 42 | 6 46 | 14 24 | 7 30 | 6 18 |
| T 27 | 22 16 | 27 29 | 4 25 | 23 49 | 1 23 | 23 56 | 0 26 | 24 2 | 1 13 | 14 14 | 1 0 | 3 28 | 2 32 | 23 26 | 0 25 | 9 10 | 1 4 | 6 21 | 16 46 | 6 47 | 6 47 | 14 27 | 7 29 | 6 18 |
| F 28 | 22 24 | 24 52 | 3 42 | 24 6 | 1 28 | 23 40 | 0 11 | 23 57 | 1 13 | 14 14 | 1 0 | 3 27 | 2 32 | 23 26 | 0 25 | 9 10 | 1 4 | 6 21 | 16 46 | 6 50 | 6 48 | 14 30 | 7 28 | 6 19 |
| S 29 | 22 32 | 20 56 | 2 49 | 24 21 | 1 33 | 23 24 | 0n 4 | 23 52 | 1 12 | 14 14 | 1 0 | 3 27 | 2 32 | 23 26 | 0 25 | 9 10 | 1 4 | 6 21 | 16 45 | 6 52 | 6 49 | 14 33 | 7 27 | 6 20 |
| S 30 | 22s39 | 16n 7 | 1n49 | 24s35 | 1s37 | 23s 8 | 0n19 | 23s46 | 1s12 | 14n14 | 1n 1 | 3s26 | 2s32 | 23n26 | 0n25 | 9n10 | 1n 4 | 6s21 | 16s45 | 6s53 | 6s50 | 14s36 | 7n27 | 6s20 |

Julian Day Number = 2127885.5, Delta T = 16m59s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'10, Lahiri = 11°30'10 Julian Calendar 1 Nov. 1113 == Greg. Calendar 8 Nov. 1113


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# ASTRODIENST EPHEMERIS for the year 1113
# geocentric

## DECEMBER 1113 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 3 44 | 15♐31'37 | 4♍ 4 | 19♐12 | 24°R 6 | 16♉56 | 24♌56 | 27♓12 | 11°R49 | 9♍10 | 23°R40 | 12°R31 | 12♓36 | 28♎58 | 24♌29 | M 1 |
| T 2 | 5 7 41 | 16°32'46 | 16°18 | 20°47 | 23♐33 | 17°43 | 24°56 | 27°13 | 11♋47 | 9°10 | 23♈40 | 12♓31 | 12°33 | 29° 5 | 24°R29 | T 2 |
| W 3 | 5 11 38 | 17°33'56 | 28°18 | 22°23 | 22°58 | 18°30 | 24°57 | 27°14 | 11°45 | 9°10 | 23°39 | 12°30 | 12°30 | 29°12 | 24°29 | W 3 |
| T 4 | 5 15 34 | 18°35'06 | 10♎ 9 | 23°59 | 22°22 | 19°17 | 24°R57 | 27°15 | 11°43 | 9°10 | 23°38 | 12°29 | 12°27 | 29°18 | 24°29 | T 4 |
| F 5 | 5 19 31 | 19°36'17 | 21°57 | 25°35 | 21°46 | 20° 4 | 24°57 | 27°17 | 11°40 | 9°R10 | 23°38 | 12°25 | 12°24 | 29°25 | 24°29 | F 5 |
| S 6 | 5 23 27 | 20°37'29 | 3♏46 | 27°12 | 21°10 | 20°51 | 24°57 | 27°18 | 11°38 | 9°10 | 23°37 | 12°18 | 12°21 | 29°32 | 24°28 | S 6 |
| S 7 | 5 27 24 | 21°38'41 | 15°41 | 28°48 | 20°33 | 21°38 | 24°56 | 27°19 | 11°36 | 9°10 | 23°37 | 12° 8 | 12°17 | 29°39 | 24°28 | S 7 |
| M 8 | 5 31 20 | 22°39'53 | 27°44 | 0♑25 | 19°57 | 22°26 | 24°56 | 27°21 | 11°33 | 9°10 | 23°36 | 11°56 | 12°14 | 29°45 | 24°27 | M 8 |
| T 9 | 5 35 17 | 23°41'06 | 9♐57 | 2° 2 | 19°21 | 23°13 | 24°55 | 27°22 | 11°31 | 9°10 | 23°36 | 11°42 | 12°11 | 29°52 | 24°26 | T 9 |
| W10 | 5 39 13 | 24°42'20 | 22°21 | 3°39 | 18°46 | 24° 0 | 24°54 | 27°24 | 11°28 | 9°10 | 23°35 | 11°28 | 12° 8 | 29°59 | 24°25 | W10 |
| T 11 | 5 43 10 | 25°43'33 | 4♑57 | 5°16 | 18°11 | 24°47 | 24°53 | 27°26 | 11°26 | 9° 9 | 23°35 | 11°15 | 12° 5 | 0♏ 5 | 24°24 | T 11 |
| F 12 | 5 47 7 | 26°44'46 | 17°43 | 6°54 | 17°38 | 25°34 | 24°51 | 27°28 | 11°23 | 9° 9 | 23°34 | 11° 3 | 12° 1 | 0°12 | 24°23 | F 12 |
| S 13 | 5 51 3 | 27°45'59 | 0♒41 | 8°31 | 17° 7 | 26°22 | 24°50 | 27°30 | 11°21 | 9° 9 | 23°34 | 10°54 | 11°58 | 0°19 | 24°22 | S 13 |
| S 14 | 5 55 0 | 28°47'12 | 13°50 | 10° 8 | 16°36 | 27° 9 | 24°48 | 27°32 | 11°18 | 9° 9 | 23°34 | 10°48 | 11°55 | 0°25 | 24°21 | S 14 |
| M15 | 5 58 56 | 29°48'25 | 27° 9 | 11°46 | 16° 8 | 27°56 | 24°46 | 27°34 | 11°16 | 9° 8 | 23°33 | 10°45 | 11°52 | 0°32 | 24°19 | M15 |
| T 16 | 6 2 53 | 0♑49'38 | 10♓40 | 13°23 | 15°42 | 28°43 | 24°44 | 27°37 | 11°13 | 9° 8 | 23°33 | 10°D45 | 11°49 | 0°39 | 24°18 | T 16 |
| W17 | 6 6 49 | 1°50'50 | 24°23 | 15° 0 | 15°17 | 29°31 | 24°41 | 27°39 | 11°11 | 9° 8 | 23°32 | 10°45 | 11°46 | 0°45 | 24°16 | W17 |
| T 18 | 6 10 46 | 2°52'01 | 8♈19 | 16°36 | 14°55 | 0♒18 | 24°39 | 27°42 | 11° 8 | 9° 7 | 23°32 | 10°R45 | 11°42 | 0°52 | 24°15 | T 18 |
| F 19 | 6 14 42 | 3°53'12 | 22°29 | 18°12 | 14°35 | 1° 5 | 24°36 | 27°45 | 11° 5 | 9° 7 | 23°32 | 10°43 | 11°39 | 0°59 | 24°13 | F 19 |
| S 20 | 6 18 39 | 4°54'22 | 6♉51 | 19°47 | 14°17 | 1°53 | 24°33 | 27°47 | 11° 3 | 9° 6 | 23°32 | 10°40 | 11°36 | 1° 6 | 24°11 | S 20 |
| S 21 | 6 22 36 | 5°55'32 | 21°23 | 21°21 | 14° 1 | 2°40 | 24°30 | 27°50 | 11° 0 | 9° 6 | 23°31 | 10°33 | 11°33 | 1°12 | 24° 9 | S 21 |
| M22 | 6 26 32 | 6°56'42 | 5♊58 | 22°54 | 13°49 | 3°27 | 24°27 | 27°53 | 10°58 | 9° 5 | 23°31 | 10°25 | 11°30 | 1°19 | 24° 7 | M22 |
| T 23 | 6 30 29 | 7°57'51 | 20°32 | 24°26 | 13°38 | 4°15 | 24°23 | 27°56 | 10°55 | 9° 4 | 23°31 | 10°14 | 11°27 | 1°26 | 24° 4 | T 23 |
| W24 | 6 34 25 | 8°59'00 | 4♋56 | 25°55 | 13°30 | 5° 2 | 24°20 | 27°59 | 10°53 | 9° 4 | 23°31 | 10° 4 | 11°23 | 1°32 | 24° 2 | W24 |
| T 25 | 6 38 22 | 10° 0'08 | 19° 5 | 27°23 | 13°25 | 5°49 | 24°16 | 28° 3 | 10°50 | 9° 3 | 23°31 | 9°55 | 11°20 | 1°39 | 24° 0 | T 25 |
| F 26 | 6 42 18 | 11° 1'15 | 2♌52 | 28°47 | 13°22 | 6°37 | 24°12 | 28° 6 | 10°47 | 9° 3 | 23°30 | 9°47 | 11°17 | 1°46 | 23°57 | F 26 |
| S 27 | 6 46 15 | 12° 2'23 | 16°16 | 0♒ 9 | 13°D22 | 7°24 | 24° 8 | 28°10 | 10°45 | 9° 2 | 23°30 | 9°42 | 11°14 | 1°52 | 23°54 | S 27 |
| S 28 | 6 50 12 | 13° 3'29 | 29°15 | 1°26 | 13°24 | 8°11 | 24° 3 | 28°13 | 10°42 | 9° 1 | 23°30 | 9°39 | 11°11 | 1°59 | 23°52 | S 28 |
| M29 | 6 54 8 | 14° 4'36 | 11♍52 | 2°39 | 13°28 | 8°59 | 23°59 | 28°17 | 10°39 | 9° 0 | 23°30 | 9°D39 | 11° 8 | 2° 6 | 23°49 | M29 |
| T 30 | 6 58 5 | 15° 5'42 | 24° 9 | 3°47 | 13°35 | 9°46 | 23°54 | 28°21 | 10°37 | 9° 0 | 23°30 | 9°39 | 11° 4 | 2°12 | 23°46 | T 30 |
| W31 | 7 2 1 | 16♑ 6'47 | 6♎13 | 4♒49 | 13♐44 | 10♒33 | 23♌49 | 28♓24 | 10♋34 | 8♍59 | 23♈30 | 9♓40 | 11♓ 1 | 2♏19 | 23♌43 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat |
| M 1 | 22s46 | 10n45 | 0n45 | 24s48 | 1s41 | 22s51 | 0n35 | 23s40 | 1s12 | 14n14 | 1n 1 | 3s26 | 2s31 | 23n27 | 0n25 | 9n10 | 1n 4 | 6s21 | 16s45 | 6s54 | 6s52 | 14s39 | 7n26 | 6s21 |
| T 2 | 22 52 | 5 7 | 0s20 | 24 59 | 1 45 | 22 34 | 0 50 | 23 34 | 1 12 | 14 14 | 1 1 | 3 25 | 2 31 | 23 27 | 0 25 | 9 10 | 1 4 | 6 21 | 16 45 | 6 54 | 6 53 | 14 42 | 7 26 | 6 21 |
| W 3 | 22 58 | 0s35 | 1 23 | 25 9 | 1 49 | 22 16 | 1 6 | 23 28 | 1 12 | 14 14 | 1 1 | 3 25 | 2 31 | 23 27 | 0 25 | 9 10 | 1 4 | 6 21 | 16 44 | 6 54 | 6 54 | 14 45 | 7 25 | 6 22 |
| T 4 | 23 4 | 6 12 | 2 21 | 25 18 | 1 53 | 21 59 | 1 21 | 23 21 | 1 12 | 14 14 | 1 2 | 3 24 | 2 31 | 23 27 | 0 25 | 9 10 | 1 5 | 6 21 | 16 44 | 6 55 | 6 55 | 14 48 | 7 25 | 6 23 |
| F 5 | 23 9 | 11 34 | 3 12 | 25 25 | 1 56 | 21 41 | 1 37 | 23 14 | 1 12 | 14 14 | 1 2 | 3 23 | 2 30 | 23 27 | 0 25 | 9 10 | 1 5 | 6 20 | 16 44 | 6 56 | 6 57 | 14 50 | 7 24 | 6 23 |
| S 6 | 23 13 | 16 32 | 3 56 | 25 30 | 1 59 | 21 23 | 1 52 | 23 7 | 1 12 | 14 15 | 1 2 | 3 22 | 2 30 | 23 28 | 0 25 | 9 10 | 1 5 | 6 20 | 16 43 | 6 59 | 6 58 | 14 53 | 7 24 | 6 24 |
| S 7 | 23 18 | 20 54 | 4 29 | 25 34 | 2 1 | 21 6 | 2 8 | 22 59 | 1 12 | 14 15 | 1 2 | 3 22 | 2 30 | 23 28 | 0 25 | 9 10 | 1 5 | 6 20 | 16 43 | 7 2 | 6 59 | 14 56 | 7 23 | 6 24 |
| M 8 | 23 21 | 24 28 | 4 51 | 25 37 | 2 4 | 20 48 | 2 22 | 22 52 | 1 12 | 14 16 | 1 3 | 3 21 | 2 30 | 23 28 | 0 25 | 9 10 | 1 5 | 6 20 | 16 43 | 7 7 | 7 0 | 14 59 | 7 23 | 6 25 |
| T 9 | 23 24 | 26 59 | 5 0 | 25 38 | 2 6 | 20 31 | 2 37 | 22 44 | 1 12 | 14 16 | 1 3 | 3 20 | 2 29 | 23 28 | 0 25 | 9 10 | 1 5 | 6 20 | 16 42 | 7 12 | 7 1 | 15 2 | 7 23 | 6 25 |
| W10 | 23 27 | 28 14 | 4 55 | 25 37 | 2 7 | 20 14 | 2 51 | 22 35 | 1 11 | 14 17 | 1 3 | 3 19 | 2 29 | 23 29 | 0 25 | 9 10 | 1 5 | 6 20 | 16 42 | 7 18 | 7 3 | 15 5 | 7 22 | 6 26 |
| T 11 | 23 29 | 28 3 | 4 35 | 25 35 | 2 8 | 19 58 | 3 5 | 22 27 | 1 11 | 14 17 | 1 4 | 3 18 | 2 29 | 23 29 | 0 25 | 9 11 | 1 5 | 6 20 | 16 42 | 7 23 | 7 4 | 15 8 | 7 22 | 6 26 |
| F 12 | 23 31 | 26 22 | 4 2 | 25 31 | 2 9 | 19 41 | 3 18 | 22 18 | 1 11 | 14 18 | 1 4 | 3 17 | 2 29 | 23 29 | 0 25 | 9 11 | 1 5 | 6 20 | 16 41 | 7 27 | 7 5 | 15 11 | 7 22 | 6 27 |
| S 13 | 23 32 | 23 16 | 3 15 | 25 26 | 2 9 | 19 26 | 3 31 | 22 9 | 1 11 | 14 19 | 1 4 | 3 16 | 2 28 | 23 29 | 0 25 | 9 11 | 1 5 | 6 19 | 16 41 | 7 31 | 7 6 | 15 14 | 7 22 | 6 28 |
| S 14 | 23 33 | 18 57 | 2 18 | 25 18 | 2 9 | 19 11 | 3 43 | 21 59 | 1 11 | 14 20 | 1 4 | 3 15 | 2 28 | 23 30 | 0 25 | 9 11 | 1 5 | 6 19 | 16 41 | 7 33 | 7 8 | 15 17 | 7 22 | 6 28 |
| M15 | 23 33 | 13 38 | 1 12 | 25 9 | 2 8 | 18 57 | 3 54 | 21 50 | 1 11 | 14 21 | 1 5 | 3 14 | 2 28 | 23 30 | 0 25 | 9 11 | 1 5 | 6 19 | 16 40 | 7 34 | 7 9 | 15 20 | 7 22 | 6 29 |
| T 16 | 23 33 | 7 37 | 0 0 | 24 59 | 2 7 | 18 43 | 4 5 | 21 40 | 1 11 | 14 22 | 1 5 | 3 13 | 2 28 | 23 30 | 0 25 | 9 11 | 1 5 | 6 19 | 16 40 | 7 34 | 7 10 | 15 23 | 7 22 | 6 29 |
| W17 | 23 33 | 1 9 | 1n12 | 24 47 | 2 5 | 18 30 | 4 16 | 21 30 | 1 10 | 14 23 | 1 5 | 3 11 | 2 27 | 23 30 | 0 25 | 9 12 | 1 5 | 6 19 | 16 40 | 7 34 | 7 11 | 15 26 | 7 22 | 6 30 |
| T 18 | 23 32 | 5n28 | 2 21 | 24 33 | 2 2 | 18 18 | 4 25 | 21 20 | 1 10 | 14 24 | 1 5 | 3 10 | 2 27 | 23 30 | 0 25 | 9 12 | 1 5 | 6 18 | 16 39 | 7 34 | 7 12 | 15 29 | 7 22 | 6 30 |
| F 19 | 23 30 | 11 55 | 3 23 | 24 17 | 1 59 | 18 7 | 4 34 | 21 9 | 1 10 | 14 25 | 1 6 | 3 9 | 2 27 | 23 31 | 0 25 | 9 12 | 1 5 | 6 18 | 16 39 | 7 35 | 7 14 | 15 32 | 7 22 | 6 31 |
| S 20 | 23 28 | 17 50 | 4 12 | 24 0 | 1 56 | 17 57 | 4 43 | 20 58 | 1 10 | 14 26 | 1 6 | 3 7 | 2 27 | 23 31 | 0 25 | 9 12 | 1 5 | 6 18 | 16 39 | 7 36 | 7 15 | 15 35 | 7 22 | 6 31 |
| S 21 | 23 25 | 22 48 | 4 46 | 23 41 | 1 51 | 17 47 | 4 50 | 20 47 | 1 10 | 14 28 | 1 6 | 3 6 | 2 26 | 23 31 | 0 25 | 9 12 | 1 5 | 6 18 | 16 38 | 7 39 | 7 16 | 15 37 | 7 22 | 6 32 |
| M22 | 23 22 | 26 22 | 5 2 | 23 21 | 1 46 | 17 39 | 4 57 | 20 36 | 1 9 | 14 29 | 1 6 | 3 5 | 2 26 | 23 31 | 0 25 | 9 13 | 1 5 | 6 18 | 16 38 | 7 42 | 7 17 | 15 40 | 7 23 | 6 32 |
| T 23 | 23 19 | 28 10 | 4 58 | 22 59 | 1 40 | 17 31 | 5 4 | 20 25 | 1 9 | 14 30 | 1 7 | 3 3 | 2 26 | 23 32 | 0 25 | 9 13 | 1 5 | 6 17 | 16 38 | 7 46 | 7 18 | 15 43 | 7 23 | 6 33 |
| W24 | 23 15 | 28 3 | 4 35 | 22 36 | 1 33 | 17 25 | 5 10 | 20 13 | 1 9 | 14 32 | 1 7 | 3 2 | 2 26 | 23 32 | 0 25 | 9 13 | 1 5 | 6 17 | 16 37 | 7 50 | 7 20 | 15 46 | 7 23 | 6 33 |
| T 25 | 23 11 | 26 5 | 3 56 | 22 11 | 1 26 | 17 19 | 5 15 | 20 1 | 1 9 | 14 33 | 1 7 | 3 0 | 2 25 | 23 32 | 0 25 | 9 13 | 1 5 | 6 17 | 16 37 | 7 53 | 7 21 | 15 49 | 7 24 | 6 34 |
| F 26 | 23 6 | 22 35 | 3 3 | 21 46 | 1 17 | 17 14 | 5 19 | 19 49 | 1 8 | 14 35 | 1 8 | 2 59 | 2 25 | 23 32 | 0 25 | 9 14 | 1 6 | 6 17 | 16 37 | 7 56 | 7 22 | 15 52 | 7 24 | 6 34 |
| S 27 | 23 0 | 17 58 | 2 2 | 21 19 | 1 8 | 17 10 | 5 23 | 19 37 | 1 8 | 14 37 | 1 8 | 2 57 | 2 25 | 23 32 | 0 25 | 9 14 | 1 6 | 6 16 | 16 36 | 7 58 | 7 23 | 15 55 | 7 24 | 6 34 |
| S 28 | 22 55 | 12 39 | 0 55 | 20 52 | 0 57 | 17 7 | 5 27 | 19 24 | 1 8 | 14 38 | 1 8 | 2 55 | 2 25 | 23 33 | 0 25 | 9 14 | 1 6 | 6 16 | 16 36 | 7 59 | 7 24 | 15 58 | 7 25 | 6 35 |
| M29 | 22 49 | 6 58 | 0s12 | 20 24 | 0 46 | 17 4 | 5 30 | 19 11 | 1 8 | 14 40 | 1 8 | 2 54 | 2 25 | 23 33 | 0 25 | 9 15 | 1 6 | 6 16 | 16 36 | 7 59 | 7 26 | 16 1 | 7 25 | 6 35 |
| T 30 | 22 42 | 1 9 | 1 17 | 19 57 | 0 34 | 17 3 | 5 32 | 18 58 | 1 7 | 14 42 | 1 8 | 2 52 | 2 24 | 23 33 | 0 25 | 9 15 | 1 6 | 6 15 | 16 35 | 7 59 | 7 27 | 16 3 | 7 26 | 6 36 |
| W31 | 22s35 | 4s35 | 2s18 | 19s29 | 0s20 | 17s 2 | 5n34 | 18s45 | 1s 7 | 14n44 | 1n 9 | 2s50 | 2s24 | 23n33 | 0n25 | 9n15 | 1n 6 | 6s15 | 16s35 | 7s59 | 7s28 | 16s 6 | 7n27 | 6s36 |

Julian Day Number = 2127915.5, Delta T = 16m59s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'14, Lahiri = 11°30'15 Julian Calendar 1 Dec. 1113 == Greg. Calendar 8 Dec. 1113


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## JANUARY 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 5 58 | 17♉ 7'53 | 18♎ 6 | 5♒44 | 13♐55 | 11♒21 | 23°R44 | 28♓28 | 10°R32 | 8°R58 | 23°D30 | 9°R41 | 10♓58 | 2♏26 | 23°R40 | T 1 |
| F 2 | 7 9 54 | 18° 8'57 | 29°56 | 6°32 | 14° 9 | 12° 8 | 23♌39 | 28°32 | 10♋29 | 8♍57 | 23♈30 | 9♓40 | 10°55 | 2°33 | 23♌37 | F 2 |
| S 3 | 7 13 51 | 19°10'02 | 11♏47 | 7°11 | 14°24 | 12°55 | 23°34 | 28°37 | 10°27 | 8°56 | 23°30 | 9°37 | 10°52 | 2°39 | 23°34 | S 3 |
| S 4 | 7 17 47 | 20°11'05 | 23°45 | 7°40 | 14°42 | 13°43 | 23°28 | 28°41 | 10°24 | 8°55 | 23°30 | 9°32 | 10°48 | 2°46 | 23°30 | S 4 |
| M 5 | 7 21 44 | 21°12'09 | 5♐52 | 8° 0 | 15° 2 | 14°30 | 23°23 | 28°45 | 10°21 | 8°54 | 23°30 | 9°25 | 10°45 | 2°53 | 23°27 | M 5 |
| T 6 | 7 25 41 | 22°13'11 | 18°12 | 8°R 8 | 15°23 | 15°17 | 23°17 | 28°49 | 10°19 | 8°53 | 23°30 | 9°16 | 10°42 | 2°59 | 23°23 | T 6 |
| W 7 | 7 29 37 | 23°14'13 | 0♑47 | 8° 6 | 15°47 | 16° 5 | 23°11 | 28°54 | 10°16 | 8°52 | 23°30 | 9° 7 | 10°39 | 3° 6 | 23°20 | W 7 |
| T 8 | 7 33 34 | 24°15'14 | 13°38 | 7°52 | 16°12 | 16°52 | 23° 5 | 28°58 | 10°14 | 8°51 | 23°31 | 8°59 | 10°36 | 3°13 | 23°16 | T 8 |
| F 9 | 7 37 30 | 25°16'14 | 26°45 | 7°26 | 16°39 | 17°39 | 22°59 | 29° 3 | 10°11 | 8°50 | 23°31 | 8°52 | 10°33 | 3°19 | 23°13 | F 9 |
| S 10 | 7 41 27 | 26°17'13 | 10♒ 5 | 6°50 | 17° 8 | 18°27 | 22°52 | 29° 8 | 10° 9 | 8°49 | 23°31 | 8°46 | 10°29 | 3°26 | 23° 9 | S 10 |
| S 11 | 7 45 23 | 27°18'11 | 23°39 | 6° 4 | 17°38 | 19°14 | 22°46 | 29°13 | 10° 6 | 8°48 | 23°31 | 8°43 | 10°26 | 3°33 | 23° 5 | S 11 |
| M12 | 7 49 20 | 28°19'08 | 7♓22 | 5° 9 | 18° 9 | 20° 1 | 22°39 | 29°18 | 10° 4 | 8°47 | 23°31 | 8°D42 | 10°23 | 3°39 | 23° 1 | M12 |
| T 13 | 7 53 16 | 29°20'03 | 21°14 | 4° 6 | 18°43 | 20°48 | 22°33 | 29°22 | 10° 2 | 8°45 | 23°32 | 8°42 | 10°20 | 3°46 | 22°57 | T 13 |
| W14 | 7 57 13 | 0♒20'57 | 5♈12 | 2°58 | 19°17 | 21°36 | 22°26 | 29°28 | 9°59 | 8°44 | 23°32 | 8°44 | 10°17 | 3°53 | 22°53 | W14 |
| T 15 | 8 1 10 | 1°21'49 | 19°16 | 1°46 | 19°53 | 22°23 | 22°19 | 29°33 | 9°57 | 8°43 | 23°32 | 8°45 | 10°13 | 4° 0 | 22°49 | T 15 |
| F 16 | 8 5 6 | 2°22'40 | 3♉24 | 0°33 | 20°30 | 23°10 | 22°12 | 29°38 | 9°54 | 8°42 | 23°33 | 8°R46 | 10°10 | 4° 6 | 22°45 | F 16 |
| S 17 | 8 9 3 | 3°23'30 | 17°34 | 29♑21 | 21° 9 | 23°57 | 22° 5 | 29°43 | 9°52 | 8°40 | 23°33 | 8°45 | 10° 7 | 4°13 | 22°41 | S 17 |
| S 18 | 8 12 59 | 4°24'18 | 1♊45 | 28°11 | 21°48 | 24°44 | 21°58 | 29°48 | 9°50 | 8°39 | 23°33 | 8°42 | 10° 4 | 4°20 | 22°36 | S 18 |
| M19 | 8 16 56 | 5°25'04 | 15°54 | 27° 5 | 22°29 | 25°32 | 21°51 | 29°54 | 9°47 | 8°38 | 23°34 | 8°38 | 10° 1 | 4°26 | 22°32 | M19 |
| T 20 | 8 20 52 | 6°25'49 | 29°58 | 26° 5 | 23°11 | 26°19 | 21°43 | 29°59 | 9°45 | 8°36 | 23°34 | 8°33 | 9°58 | 4°33 | 22°28 | T 20 |
| W21 | 8 24 49 | 7°26'32 | 13♋53 | 25°11 | 23°54 | 27° 6 | 21°36 | 0♈ 5 | 9°43 | 8°35 | 23°35 | 8°28 | 9°54 | 4°40 | 22°23 | W21 |
| T 22 | 8 28 46 | 8°27'14 | 27°35 | 24°25 | 24°38 | 27°53 | 21°28 | 0°11 | 9°41 | 8°34 | 23°35 | 8°24 | 9°51 | 4°46 | 22°19 | T 22 |
| F 23 | 8 32 42 | 9°27'54 | 11♌ 2 | 23°47 | 25°23 | 28°40 | 21°21 | 0°16 | 9°39 | 8°32 | 23°36 | 8°20 | 9°48 | 4°53 | 22°15 | F 23 |
| S 24 | 8 36 39 | 10°28'33 | 24°11 | 23°16 | 26° 9 | 29°27 | 21°13 | 0°22 | 9°36 | 8°31 | 23°36 | 8°18 | 9°45 | 5° 0 | 22°10 | S 24 |
| S 25 | 8 40 35 | 11°29'11 | 7♍ 2 | 22°54 | 26°56 | 0♓14 | 21° 5 | 0°28 | 9°34 | 8°30 | 23°37 | 8°D17 | 9°42 | 5° 7 | 22° 6 | S 25 |
| M26 | 8 44 32 | 12°29'47 | 19°34 | 22°39 | 27°44 | 1° 1 | 20°58 | 0°34 | 9°32 | 8°28 | 23°37 | 8°17 | 9°39 | 5°13 | 22° 1 | M26 |
| T 27 | 8 48 28 | 13°30'21 | 1♎52 | 22°D32 | 28°33 | 1°48 | 20°50 | 0°40 | 9°30 | 8°27 | 23°38 | 8°19 | 9°35 | 5°20 | 21°56 | T 27 |
| W28 | 8 52 25 | 14°30'54 | 13°56 | 22°33 | 29°22 | 2°35 | 20°42 | 0°46 | 9°28 | 8°25 | 23°38 | 8°20 | 9°32 | 5°27 | 21°52 | W28 |
| T 29 | 8 56 21 | 15°31'26 | 25°52 | 22°40 | 0♑13 | 3°22 | 20°34 | 0°52 | 9°26 | 8°24 | 23°39 | 8°22 | 9°29 | 5°33 | 21°47 | T 29 |
| F 30 | 9 0 18 | 16°31'57 | 7♏44 | 22°53 | 1° 4 | 4° 9 | 20°27 | 0°58 | 9°24 | 8°22 | 23°39 | 8°23 | 9°26 | 5°40 | 21°43 | F 30 |
| S 31 | 9 4 14 | 17♒32'26 | 19♏36 | 23♑13 | 1♑55 | 4♓56 | 20♌19 | 1♈ 4 | 9♋22 | 8♍21 | 23♈40 | 8°R24 | 9♓23 | 5♏47 | 21♌38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s27 | 10s 5 | 3s12 | 19s 1 | 0s 6 | 17s 1 | 5n36 | 18s32 | 1s 7 | 14n45 | 1n 9 | 2s49 | 2s24 | 23n34 | 0n25 | 9n16 | 1n 6 | 6s15 | 16s35 | 7s59 | 7s29 | 16s 9 | 7n27 | 6s36 |
| F 2 | 22 19 | 15 12 | 3 57 | 18 35 | 0n 9 | 17 2 | 5 37 | 18 18 | 1 7 | 14 47 | 1 9 | 2 47 | 2 24 | 23 34 | 0 25 | 9 16 | 1 6 | 6 14 | 16 34 | 7 59 | 7 31 | 16 12 | 7 28 | 6 37 |
| S 3 | 22 11 | 19 45 | 4 32 | 18 9 | 0 26 | 17 3 | 5 38 | 18 5 | 1 6 | 14 49 | 1 9 | 2 45 | 2 23 | 23 34 | 0 25 | 9 17 | 1 6 | 6 14 | 16 34 | 8 0 | 7 32 | 16 15 | 7 29 | 6 37 |
| S 4 | 22 2 | 23 34 | 4 56 | 17 46 | 0 42 | 17 5 | 5 38 | 17 51 | 1 6 | 14 51 | 1 10 | 2 43 | 2 23 | 23 34 | 0 25 | 9 17 | 1 6 | 6 14 | 16 33 | 8 2 | 7 33 | 16 18 | 7 29 | 6 38 |
| M 5 | 21 53 | 26 25 | 5 7 | 17 24 | 1 0 | 17 7 | 5 38 | 17 36 | 1 6 | 14 54 | 1 10 | 2 41 | 2 23 | 23 34 | 0 25 | 9 17 | 1 6 | 6 13 | 16 33 | 8 5 | 7 34 | 16 21 | 7 30 | 6 38 |
| T 6 | 21 43 | 28 4 | 5 3 | 17 4 | 1 18 | 17 9 | 5 38 | 17 22 | 1 5 | 14 56 | 1 10 | 2 39 | 2 23 | 23 35 | 0 25 | 9 18 | 1 6 | 6 13 | 16 33 | 8 8 | 7 35 | 16 23 | 7 31 | 6 38 |
| W 7 | 21 33 | 28 19 | 4 46 | 16 47 | 1 36 | 17 13 | 5 37 | 17 8 | 1 5 | 14 58 | 1 10 | 2 37 | 2 23 | 23 35 | 0 25 | 9 18 | 1 6 | 6 12 | 16 32 | 8 11 | 7 37 | 16 26 | 7 32 | 6 39 |
| T 8 | 21 22 | 27 3 | 4 13 | 16 33 | 1 54 | 17 16 | 5 36 | 16 53 | 1 5 | 15 0 | 1 11 | 2 35 | 2 22 | 23 35 | 0 25 | 9 19 | 1 6 | 6 12 | 16 32 | 8 14 | 7 38 | 16 29 | 7 33 | 6 39 |
| F 9 | 21 11 | 24 18 | 3 27 | 16 23 | 2 12 | 17 20 | 5 35 | 16 38 | 1 4 | 15 2 | 1 11 | 2 33 | 2 22 | 23 35 | 0 25 | 9 19 | 1 6 | 6 12 | 16 32 | 8 17 | 7 39 | 16 32 | 7 34 | 6 39 |
| S 10 | 21 0 | 20 11 | 2 29 | 16 15 | 2 29 | 17 24 | 5 33 | 16 23 | 1 4 | 15 5 | 1 11 | 2 31 | 2 22 | 23 35 | 0 25 | 9 20 | 1 6 | 6 11 | 16 31 | 8 19 | 7 40 | 16 35 | 7 34 | 6 39 |
| S 11 | 20 48 | 14 58 | 1 21 | 16 11 | 2 45 | 17 29 | 5 31 | 16 8 | 1 4 | 15 7 | 1 11 | 2 29 | 2 22 | 23 36 | 0 25 | 9 20 | 1 6 | 6 11 | 16 31 | 8 20 | 7 41 | 16 38 | 7 35 | 6 40 |
| M12 | 20 36 | 8 58 | 0 7 | 16 11 | 2 59 | 17 34 | 5 29 | 15 53 | 1 3 | 15 9 | 1 11 | 2 27 | 2 22 | 23 36 | 0 25 | 9 20 | 1 6 | 6 10 | 16 31 | 8 21 | 7 43 | 16 40 | 7 36 | 6 40 |
| T 13 | 20 23 | 2 28 | 1n 8 | 16 13 | 3 12 | 17 39 | 5 26 | 15 37 | 1 3 | 15 12 | 1 12 | 2 25 | 2 21 | 23 36 | 0 25 | 9 21 | 1 6 | 6 10 | 16 30 | 8 21 | 7 44 | 16 43 | 7 38 | 6 40 |
| W14 | 20 10 | 4n12 | 2 19 | 16 18 | 3 23 | 17 44 | 5 24 | 15 22 | 1 3 | 15 14 | 1 12 | 2 22 | 2 21 | 23 36 | 0 25 | 9 21 | 1 6 | 6 10 | 16 30 | 8 20 | 7 45 | 16 46 | 7 39 | 6 40 |
| T 15 | 19 57 | 10 42 | 3 23 | 16 26 | 3 31 | 17 50 | 5 21 | 15 6 | 1 2 | 15 16 | 1 12 | 2 20 | 2 21 | 23 36 | 0 25 | 9 22 | 1 6 | 6 9 | 16 30 | 8 20 | 7 46 | 16 49 | 7 40 | 6 41 |
| F 16 | 19 44 | 16 41 | 4 14 | 16 36 | 3 37 | 17 56 | 5 18 | 14 50 | 1 2 | 15 19 | 1 12 | 2 18 | 2 21 | 23 36 | 0 25 | 9 22 | 1 6 | 6 9 | 16 29 | 8 19 | 7 47 | 16 52 | 7 41 | 6 41 |
| S 17 | 19 30 | 21 48 | 4 51 | 16 47 | 3 41 | 18 1 | 5 15 | 14 34 | 1 1 | 15 21 | 1 12 | 2 16 | 2 21 | 23 37 | 0 25 | 9 23 | 1 6 | 6 8 | 16 29 | 8 20 | 7 49 | 16 54 | 7 42 | 6 41 |
| S 18 | 19 15 | 25 39 | 5 9 | 17 0 | 3 42 | 18 7 | 5 11 | 14 18 | 1 1 | 15 24 | 1 12 | 2 13 | 2 20 | 23 37 | 0 25 | 9 23 | 1 6 | 6 8 | 16 28 | 8 21 | 7 50 | 16 57 | 7 43 | 6 41 |
| M19 | 19 0 | 27 56 | 5 9 | 17 14 | 3 41 | 18 13 | 5 8 | 14 2 | 1 1 | 15 26 | 1 13 | 2 11 | 2 20 | 23 37 | 0 25 | 9 24 | 1 6 | 6 7 | 16 28 | 8 22 | 7 51 | 17 0 | 7 44 | 6 41 |
| T 20 | 18 45 | 28 24 | 4 50 | 17 29 | 3 37 | 18 19 | 5 4 | 13 45 | 1 0 | 15 29 | 1 13 | 2 9 | 2 20 | 23 37 | 0 25 | 9 24 | 1 6 | 6 7 | 16 28 | 8 24 | 7 52 | 17 3 | 7 46 | 6 41 |
| W21 | 18 30 | 27 3 | 4 14 | 17 43 | 3 32 | 18 25 | 5 0 | 13 29 | 1 0 | 15 32 | 1 13 | 2 6 | 2 20 | 23 37 | 0 25 | 9 25 | 1 6 | 6 6 | 16 27 | 8 26 | 7 53 | 17 6 | 7 47 | 6 42 |
| T 22 | 18 14 | 24 5 | 3 24 | 17 58 | 3 25 | 18 31 | 4 56 | 13 12 | 0 59 | 15 34 | 1 13 | 2 4 | 2 20 | 23 37 | 0 25 | 9 26 | 1 7 | 6 6 | 16 27 | 8 28 | 7 55 | 17 8 | 7 48 | 6 42 |
| F 23 | 17 58 | 19 51 | 2 24 | 18 13 | 3 17 | 18 37 | 4 52 | 12 55 | 0 59 | 15 37 | 1 13 | 2 1 | 2 20 | 23 38 | 0 25 | 9 26 | 1 7 | 6 5 | 16 27 | 8 29 | 7 56 | 17 11 | 7 50 | 6 42 |
| S 24 | 17 42 | 14 44 | 1 17 | 18 27 | 3 8 | 18 43 | 4 48 | 12 38 | 0 59 | 15 39 | 1 13 | 1 59 | 2 19 | 23 38 | 0 25 | 9 27 | 1 7 | 6 5 | 16 26 | 8 30 | 7 57 | 17 14 | 7 51 | 6 42 |
| S 25 | 17 25 | 9 5 | 0 7 | 18 41 | 2 57 | 18 48 | 4 43 | 12 21 | 0 58 | 15 42 | 1 14 | 1 56 | 2 19 | 23 38 | 0 25 | 9 27 | 1 7 | 6 4 | 16 26 | 8 30 | 7 58 | 17 17 | 7 52 | 6 42 |
| M26 | 17 8 | 3 12 | 1s 2 | 18 54 | 2 46 | 18 54 | 4 39 | 12 4 | 0 58 | 15 45 | 1 14 | 1 54 | 2 19 | 23 38 | 0 25 | 9 28 | 1 7 | 6 4 | 16 26 | 8 30 | 8 0 | 17 19 | 7 54 | 6 42 |
| T 27 | 16 51 | 2s40 | 2 6 | 19 7 | 2 35 | 18 59 | 4 34 | 11 47 | 0 57 | 15 47 | 1 14 | 1 51 | 2 19 | 23 38 | 0 25 | 9 28 | 1 7 | 6 3 | 16 25 | 8 30 | 8 1 | 17 22 | 7 55 | 6 42 |
| W28 | 16 33 | 8 20 | 3 4 | 19 19 | 2 23 | 19 4 | 4 29 | 11 29 | 0 57 | 15 50 | 1 14 | 1 49 | 2 19 | 23 38 | 0 25 | 9 29 | 1 7 | 6 3 | 16 25 | 8 29 | 8 2 | 17 25 | 7 56 | 6 42 |
| T 29 | 16 16 | 13 39 | 3 53 | 19 29 | 2 11 | 19 9 | 4 24 | 11 12 | 0 56 | 15 52 | 1 14 | 1 46 | 2 19 | 23 39 | 0 25 | 9 30 | 1 7 | 6 2 | 16 25 | 8 28 | 8 3 | 17 28 | 7 58 | 6 42 |
| F 30 | 15 58 | 18 25 | 4 31 | 19 39 | 1 59 | 19 14 | 4 19 | 10 54 | 0 56 | 15 55 | 1 14 | 1 44 | 2 18 | 23 39 | 0 25 | 9 30 | 1 7 | 6 2 | 16 24 | 8 28 | 8 4 | 17 30 | 7 59 | 6 42 |
| S 31 | 15s39 | 22s30 | 4s58 | 19s48 | 1n46 | 19s18 | 4n14 | 10s37 | 0s56 | 15n58 | 1n14 | 1s41 | 2s18 | 23n39 | 0n25 | 9n31 | 1n 7 | 6s 1 | 16s24 | 8s28 | 8s 6 | 17s33 | 8n 1 | 6s42 |

Julian Day Number = 2127946.5, Delta T = 16m59s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'18, Lahiri = 11°30'19 Julian Calendar 1 Jan. 1114 == Greg. Calendar 8 Jan. 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## FEBRUARY 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 8 11 | 18♒32'54 | 1♐33 | 23♑38 | 2♑48 | 5♓43 | 20°R11 | 1♈10 | 9°R21 | 8°R19 | 23♈41 | 8°R23 | 9♓19 | 5♏53 | 21°R33 | S 1 |
| M 2 | 9 12 8 | 19°33'21 | 13°41 | 24° 8 | 3°41 | 6°30 | 20♌ 3 | 1°17 | 9♋19 | 8♍18 | 23°41 | 8♓21 | 9°16 | 6° 0 | 21♌29 | M 2 |
| T 3 | 9 16 4 | 20°33'46 | 26° 3 | 24°43 | 4°34 | 7°16 | 19°55 | 1°23 | 9°17 | 8°16 | 23°42 | 8°19 | 9°13 | 6° 7 | 21°24 | T 3 |
| W 4 | 9 20 1 | 21°34'10 | 8♑43 | 25°22 | 5°29 | 8° 3 | 19°47 | 1°29 | 9°15 | 8°14 | 23°43 | 8°17 | 9°10 | 6°14 | 21°19 | W 4 |
| T 5 | 9 23 57 | 22°34'32 | 21°42 | 26° 6 | 6°24 | 8°50 | 19°39 | 1°36 | 9°13 | 8°13 | 23°43 | 8°14 | 9° 7 | 6°20 | 21°15 | T 5 |
| F 6 | 9 27 54 | 23°34'52 | 5♒ 3 | 26°53 | 7°19 | 9°37 | 19°31 | 1°42 | 9°12 | 8°11 | 23°44 | 8°12 | 9° 4 | 6°27 | 21°10 | F 6 |
| S 7 | 9 31 50 | 24°35'11 | 18°43 | 27°43 | 8°15 | 10°23 | 19°23 | 1°49 | 9°10 | 8°10 | 23°45 | 8°11 | 9° 0 | 6°34 | 21° 5 | S 7 |
| S 8 | 9 35 47 | 25°35'28 | 2♓40 | 28°37 | 9°12 | 11°10 | 19°16 | 1°56 | 9° 9 | 8° 8 | 23°46 | 8°D10 | 8°57 | 6°40 | 21° 1 | S 8 |
| M 9 | 9 39 43 | 26°35'43 | 16°51 | 29°34 | 10° 9 | 11°57 | 19° 8 | 2° 2 | 9° 7 | 8° 6 | 23°47 | 8°10 | 8°54 | 6°47 | 20°56 | M 9 |
| T 10 | 9 43 40 | 27°35'56 | 1♈12 | 0♒34 | 11° 6 | 12°43 | 19° 0 | 2° 9 | 9° 6 | 8° 5 | 23°47 | 8°11 | 8°51 | 6°54 | 20°51 | T 10 |
| W11 | 9 47 37 | 28°36'08 | 15°37 | 1°36 | 12° 4 | 13°30 | 18°52 | 2°16 | 9° 4 | 8° 3 | 23°48 | 8°12 | 8°48 | 7° 0 | 20°47 | W11 |
| T 12 | 9 51 33 | 29°36'17 | 0♉ 1 | 2°41 | 13° 2 | 14°16 | 18°45 | 2°23 | 9° 3 | 8° 1 | 23°49 | 8°12 | 8°45 | 7° 7 | 20°42 | T 12 |
| F 13 | 9 55 30 | 0♓36'23 | 14°22 | 3°48 | 14° 1 | 15° 3 | 18°37 | 2°29 | 9° 1 | 8° 0 | 23°50 | 8°13 | 8°41 | 7°14 | 20°38 | F 13 |
| S 14 | 9 59 26 | 1°36'28 | 28°35 | 4°57 | 15° 0 | 15°49 | 18°29 | 2°36 | 9° 0 | 7°58 | 23°51 | 8°R13 | 8°38 | 7°21 | 20°33 | S 14 |
| S 15 | 10 3 23 | 2°36'31 | 12♊39 | 6° 8 | 16° 0 | 16°36 | 18°22 | 2°43 | 8°59 | 7°57 | 23°52 | 8°13 | 8°35 | 7°27 | 20°28 | S 15 |
| M16 | 10 7 19 | 3°36'31 | 26°31 | 7°21 | 17° 0 | 17°22 | 18°15 | 2°50 | 8°58 | 7°55 | 23°53 | 8°13 | 8°32 | 7°34 | 20°24 | M16 |
| T 17 | 10 11 16 | 4°36'29 | 10♋12 | 8°36 | 18° 0 | 18° 9 | 18° 7 | 2°57 | 8°57 | 7°53 | 23°54 | 8°12 | 8°29 | 7°41 | 20°19 | T 17 |
| W18 | 10 15 13 | 5°36'25 | 23°40 | 9°53 | 19° 1 | 18°55 | 18° 0 | 3° 4 | 8°55 | 7°52 | 23°55 | 8°12 | 8°25 | 7°47 | 20°15 | W18 |
| T 19 | 10 19 9 | 6°36'19 | 6♌54 | 11°11 | 20° 2 | 19°41 | 17°53 | 3°11 | 8°54 | 7°50 | 23°56 | 8°12 | 8°22 | 7°54 | 20°11 | T 19 |
| F 20 | 10 23 6 | 7°36'11 | 19°56 | 12°31 | 21° 3 | 20°27 | 17°46 | 3°18 | 8°53 | 7°48 | 23°57 | 8°12 | 8°19 | 8° 1 | 20° 6 | F 20 |
| S 21 | 10 27 2 | 8°36'00 | 2♍43 | 13°52 | 22° 5 | 21°14 | 17°39 | 3°26 | 8°52 | 7°47 | 23°58 | 8°12 | 8°16 | 8° 8 | 20° 2 | S 21 |
| S 22 | 10 30 59 | 9°35'47 | 15°18 | 15°15 | 23° 7 | 22° 0 | 17°32 | 3°33 | 8°51 | 7°45 | 23°59 | 8°12 | 8°13 | 8°14 | 19°58 | S 22 |
| M23 | 10 34 55 | 10°35'33 | 27°40 | 16°40 | 24°10 | 22°46 | 17°25 | 3°40 | 8°51 | 7°43 | 24° 0 | 8°12 | 8°10 | 8°21 | 19°53 | M23 |
| T 24 | 10 38 52 | 11°35'16 | 9♎51 | 18° 6 | 25°12 | 23°32 | 17°18 | 3°47 | 8°50 | 7°42 | 24° 1 | 8°11 | 8° 6 | 8°28 | 19°49 | T 24 |
| W25 | 10 42 48 | 12°34'58 | 21°53 | 19°33 | 26°15 | 24°18 | 17°12 | 3°55 | 8°49 | 7°40 | 24° 2 | 8°11 | 8° 3 | 8°34 | 19°45 | W25 |
| T 26 | 10 46 45 | 13°34'37 | 3♏49 | 21° 2 | 27°18 | 25° 4 | 17° 5 | 4° 2 | 8°48 | 7°38 | 24° 3 | 8°10 | 8° 0 | 8°41 | 19°41 | T 26 |
| F 27 | 10 50 41 | 14°34'15 | 15°41 | 22°32 | 28°22 | 25°50 | 16°59 | 4° 9 | 8°48 | 7°37 | 24° 4 | 8° 9 | 7°57 | 8°48 | 19°37 | F 27 |
| S 28 | 10 54 38 | 15♓33'51 | 27♏33 | 24♒ 3 | 29♑25 | 26♓36 | 16♌53 | 4♈17 | 8♋47 | 7♍35 | 24♈ 5 | 8♓ 9 | 7♓54 | 8♏54 | 19♌33 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s20 | 25s41 | 5s13 | 19s56 | 1n34 | 19s22 | 4n 9 | 10s19 | 0s55 | 16n 0 | 1n14 | 1s39 | 2s18 | 23n39 | 0n25 | 9n31 | 1n 7 | 6s 1 | 16s24 | 8s28 | 8s 7 | 17s36 | 8n 2 | 6s42 |
| M 2 | 15 2 | 27 45 | 5 14 | 20 3 | 1 22 | 19 26 | 4 4 | 10 1 | 0 55 | 16 3 | 1 15 | 1 36 | 2 18 | 23 39 | 0 25 | 9 32 | 1 7 | 6 0 | 16 23 | 8 29 | 8 8 | 17 39 | 8 4 | 6 42 |
| T 3 | 14 42 | 28 30 | 5 0 | 20 9 | 1 10 | 19 30 | 3 59 | 9 43 | 0 54 | 16 5 | 1 15 | 1 33 | 2 18 | 23 39 | 0 25 | 9 33 | 1 7 | 6 0 | 16 23 | 8 29 | 8 9 | 17 41 | 8 5 | 6 42 |
| W 4 | 14 23 | 27 48 | 4 32 | 20 13 | 0 58 | 19 33 | 3 54 | 9 25 | 0 54 | 16 8 | 1 15 | 1 31 | 2 18 | 23 39 | 0 25 | 9 33 | 1 7 | 5 59 | 16 23 | 8 30 | 8 10 | 17 44 | 8 7 | 6 42 |
| T 5 | 14 3 | 25 34 | 3 49 | 20 16 | 0 46 | 19 36 | 3 48 | 9 7 | 0 53 | 16 11 | 1 15 | 1 28 | 2 18 | 23 39 | 0 25 | 9 34 | 1 7 | 5 59 | 16 22 | 8 31 | 8 12 | 17 47 | 8 9 | 6 42 |
| F 6 | 13 44 | 21 54 | 2 53 | 20 19 | 0 35 | 19 38 | 3 43 | 8 49 | 0 53 | 16 13 | 1 15 | 1 25 | 2 17 | 23 39 | 0 25 | 9 34 | 1 7 | 5 58 | 16 22 | 8 32 | 8 13 | 17 49 | 8 10 | 6 41 |
| S 7 | 13 23 | 16 58 | 1 46 | 20 20 | 0 24 | 19 41 | 3 38 | 8 31 | 0 52 | 16 16 | 1 15 | 1 22 | 2 17 | 23 40 | 0 25 | 9 35 | 1 7 | 5 58 | 16 22 | 8 33 | 8 14 | 17 52 | 8 12 | 6 41 |
| S 8 | 13 3 | 11 3 | 0 30 | 20 19 | 0 13 | 19 42 | 3 32 | 8 13 | 0 52 | 16 18 | 1 15 | 1 20 | 2 17 | 23 40 | 0 25 | 9 36 | 1 7 | 5 57 | 16 22 | 8 33 | 8 15 | 17 55 | 8 13 | 6 41 |
| M 9 | 12 43 | 4 29 | 0n48 | 20 18 | 0 3 | 19 44 | 3 27 | 7 54 | 0 51 | 16 21 | 1 15 | 1 17 | 2 17 | 23 40 | 0 25 | 9 36 | 1 7 | 5 56 | 16 21 | 8 33 | 8 16 | 17 58 | 8 15 | 6 41 |
| T 10 | 12 22 | 2n22 | 2 4 | 20 15 | 0s 7 | 19 45 | 3 21 | 7 36 | 0 51 | 16 23 | 1 15 | 1 14 | 2 17 | 23 40 | 0 25 | 9 37 | 1 7 | 5 56 | 16 21 | 8 33 | 8 17 | 18 0 | 8 17 | 6 41 |
| W11 | 12 1 | 9 8 | 3 13 | 20 11 | 0 17 | 19 45 | 3 16 | 7 17 | 0 50 | 16 26 | 1 15 | 1 11 | 2 17 | 23 40 | 0 25 | 9 38 | 1 7 | 5 55 | 16 21 | 8 32 | 8 19 | 18 3 | 8 18 | 6 41 |
| T 12 | 11 40 | 15 25 | 4 9 | 20 5 | 0 26 | 19 46 | 3 10 | 6 59 | 0 50 | 16 28 | 1 15 | 1 8 | 2 17 | 23 40 | 0 25 | 9 38 | 1 7 | 5 55 | 16 20 | 8 32 | 8 20 | 18 6 | 8 20 | 6 40 |
| F 13 | 11 19 | 20 50 | 4 50 | 19 58 | 0 36 | 19 45 | 3 5 | 6 40 | 0 49 | 16 31 | 1 15 | 1 6 | 2 17 | 23 40 | 0 25 | 9 39 | 1 7 | 5 54 | 16 20 | 8 32 | 8 21 | 18 8 | 8 22 | 6 40 |
| S 14 | 10 57 | 25 1 | 5 12 | 19 50 | 0 44 | 19 44 | 2 59 | 6 22 | 0 49 | 16 33 | 1 15 | 1 3 | 2 17 | 23 40 | 0 25 | 9 39 | 1 7 | 5 54 | 16 20 | 8 32 | 8 22 | 18 11 | 8 23 | 6 40 |
| S 15 | 10 36 | 27 39 | 5 16 | 19 41 | 0 53 | 19 43 | 2 53 | 6 3 | 0 48 | 16 35 | 1 15 | 1 0 | 2 16 | 23 40 | 0 25 | 9 40 | 1 7 | 5 53 | 16 19 | 8 32 | 8 23 | 18 14 | 8 25 | 6 40 |
| M16 | 10 14 | 28 32 | 5 1 | 19 30 | 1 1 | 19 42 | 2 48 | 5 45 | 0 48 | 16 38 | 1 15 | 0 57 | 2 16 | 23 40 | 0 25 | 9 41 | 1 7 | 5 52 | 16 19 | 8 32 | 8 25 | 18 16 | 8 27 | 6 39 |
| T 17 | 9 52 | 27 38 | 4 29 | 19 18 | 1 8 | 19 40 | 2 42 | 5 26 | 0 47 | 16 40 | 1 15 | 0 54 | 2 16 | 23 40 | 0 25 | 9 41 | 1 7 | 5 52 | 16 19 | 8 32 | 8 26 | 18 19 | 8 28 | 6 39 |
| W18 | 9 30 | 25 8 | 3 43 | 19 4 | 1 15 | 19 37 | 2 37 | 5 7 | 0 47 | 16 42 | 1 15 | 0 51 | 2 16 | 23 40 | 0 25 | 9 42 | 1 7 | 5 51 | 16 19 | 8 32 | 8 27 | 18 22 | 8 30 | 6 39 |
| T 19 | 9 8 | 21 18 | 2 45 | 18 49 | 1 22 | 19 34 | 2 31 | 4 49 | 0 46 | 16 45 | 1 15 | 0 48 | 2 16 | 23 41 | 0 25 | 9 43 | 1 7 | 5 51 | 16 18 | 8 32 | 8 28 | 18 24 | 8 31 | 6 38 |
| F 20 | 8 46 | 16 29 | 1 40 | 18 33 | 1 29 | 19 30 | 2 25 | 4 30 | 0 46 | 16 47 | 1 15 | 0 45 | 2 16 | 23 41 | 0 25 | 9 43 | 1 7 | 5 50 | 16 18 | 8 32 | 8 29 | 18 27 | 8 33 | 6 38 |
| S 21 | 8 23 | 11 1 | 0 30 | 18 15 | 1 35 | 19 26 | 2 20 | 4 11 | 0 45 | 16 49 | 1 15 | 0 42 | 2 16 | 23 41 | 0 25 | 9 44 | 1 7 | 5 49 | 16 18 | 8 32 | 8 31 | 18 29 | 8 35 | 6 38 |
| S 22 | 8 1 | 5 13 | 0s39 | 17 56 | 1 41 | 19 22 | 2 14 | 3 52 | 0 44 | 16 51 | 1 15 | 0 40 | 2 16 | 23 41 | 0 25 | 9 45 | 1 7 | 5 49 | 16 18 | 8 32 | 8 32 | 18 32 | 8 36 | 6 37 |
| M23 | 7 38 | 0s41 | 1 46 | 17 36 | 1 46 | 19 16 | 2 9 | 3 33 | 0 44 | 16 53 | 1 15 | 0 37 | 2 16 | 23 41 | 0 25 | 9 45 | 1 7 | 5 48 | 16 17 | 8 32 | 8 33 | 18 35 | 8 38 | 6 37 |
| T 24 | 7 15 | 6 29 | 2 47 | 17 14 | 1 51 | 19 11 | 2 3 | 3 15 | 0 43 | 16 55 | 1 15 | 0 34 | 2 16 | 23 41 | 0 25 | 9 46 | 1 7 | 5 48 | 16 17 | 8 32 | 8 34 | 18 37 | 8 40 | 6 37 |
| W25 | 6 52 | 11 57 | 3 39 | 16 51 | 1 55 | 19 5 | 1 58 | 2 56 | 0 43 | 16 57 | 1 15 | 0 31 | 2 16 | 23 41 | 0 25 | 9 46 | 1 7 | 5 47 | 16 17 | 8 33 | 8 35 | 18 40 | 8 41 | 6 36 |
| T 26 | 6 29 | 16 57 | 4 22 | 16 26 | 1 59 | 18 58 | 1 52 | 2 37 | 0 42 | 16 59 | 1 15 | 0 28 | 2 15 | 23 41 | 0 25 | 9 47 | 1 7 | 5 46 | 16 17 | 8 33 | 8 37 | 18 43 | 8 43 | 6 36 |
| F 27 | 6 6 | 21 17 | 4 53 | 16 0 | 2 3 | 18 51 | 1 47 | 2 18 | 0 42 | 17 1 | 1 15 | 0 25 | 2 15 | 23 41 | 0 25 | 9 48 | 1 7 | 5 46 | 16 16 | 8 33 | 8 38 | 18 45 | 8 45 | 6 35 |
| S 28 | 5s43 | 24s45 | 5s11 | 15s33 | 2s 6 | 18s43 | 1n41 | 1s59 | 0s41 | 17n 3 | 1n15 | 0s22 | 2s15 | 23n41 | 0n25 | 9n48 | 1n 7 | 5s45 | 16s16 | 8s33 | 8s39 | 18s48 | 8n46 | 6s35 |

Julian Day Number = 2127977.5, Delta T = 16m58s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'23, Lahiri = 11°30'23 Julian Calendar 1 Feb. 1114 == Greg. Calendar 8 Feb. 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## MARCH 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 58 35 | 16♓33'25 | 9♐30 | 25♒36 | 0♒29 | 27♓22 | 16°R47 | 4♈24 | 8°R47 | 7°R33 | 24♈ 6 | 8°R 8 | 7♓51 | 9♏ 1 | 19°R29 | S 1 |
| M 2 | 11 2 31 | 17°32'58 | 21°36 | 27°10 | 1°34 | 28° 7 | 16♌41 | 4°31 | 8♋46 | 7♍32 | 24° 7 | 8°D 8 | 7°47 | 9° 8 | 19♌25 | M 2 |
| T 3 | 11 6 28 | 18°32'29 | 3♑55 | 28°45 | 2°38 | 28°53 | 16°35 | 4°39 | 8°46 | 7°30 | 24° 8 | 8♓ 9 | 7°44 | 9°15 | 19°22 | T 3 |
| W 4 | 11 10 24 | 19°31'58 | 16°33 | 0♓22 | 3°43 | 29°39 | 16°29 | 4°46 | 8°45 | 7°28 | 24°10 | 8° 9 | 7°41 | 9°21 | 19°18 | W 4 |
| T 5 | 11 14 21 | 20°31'25 | 29°33 | 2° 0 | 4°48 | 0♈25 | 16°24 | 4°54 | 8°45 | 7°27 | 24°11 | 8°10 | 7°38 | 9°28 | 19°14 | T 5 |
| F 6 | 11 18 17 | 21°30'50 | 12♒56 | 3°39 | 5°53 | 1°10 | 16°18 | 5° 1 | 8°45 | 7°25 | 24°12 | 8°11 | 7°35 | 9°35 | 19°11 | F 6 |
| S 7 | 11 22 14 | 22°30'13 | 26°45 | 5°20 | 6°58 | 1°56 | 16°13 | 5° 9 | 8°44 | 7°24 | 24°13 | 8°12 | 7°31 | 9°41 | 19° 7 | S 7 |
| S 8 | 11 26 10 | 23°29'34 | 10♓57 | 7° 2 | 8° 3 | 2°42 | 16° 8 | 5°16 | 8°44 | 7°22 | 24°14 | 8°R13 | 7°28 | 9°48 | 19° 4 | S 8 |
| M 9 | 11 30 7 | 24°28'54 | 25°29 | 8°45 | 9° 9 | 3°27 | 16° 3 | 5°24 | 8°44 | 7°20 | 24°15 | 8°12 | 7°25 | 9°55 | 19° 1 | M 9 |
| T 10 | 11 34 4 | 25°28'11 | 10♈15 | 10°30 | 10°15 | 4°13 | 15°59 | 5°31 | 8°44 | 7°19 | 24°17 | 8°11 | 7°22 | 10° 1 | 18°57 | T 10 |
| W11 | 11 38 0 | 26°27'26 | 25° 8 | 12°16 | 11°21 | 4°58 | 15°54 | 5°39 | 8°D44 | 7°17 | 24°18 | 8° 8 | 7°19 | 10° 8 | 18°54 | W11 |
| T 12 | 11 41 57 | 27°26'38 | 9♉59 | 14° 4 | 12°27 | 5°43 | 15°49 | 5°46 | 8°44 | 7°16 | 24°19 | 8° 6 | 7°16 | 10°15 | 18°51 | T 12 |
| F 13 | 11 45 53 | 28°25'49 | 24°41 | 15°52 | 13°33 | 6°29 | 15°45 | 5°54 | 8°44 | 7°14 | 24°20 | 8° 3 | 7°12 | 10°22 | 18°48 | F 13 |
| S 14 | 11 49 50 | 29°24'57 | 9♊ 9 | 17°43 | 14°40 | 7°14 | 15°41 | 6° 2 | 8°44 | 7°13 | 24°22 | 8° 2 | 7° 9 | 10°28 | 18°45 | S 14 |
| S 15 | 11 53 46 | 0♈24'03 | 23°18 | 19°34 | 15°47 | 7°59 | 15°37 | 6° 9 | 8°44 | 7°11 | 24°23 | 8° 0 | 7° 6 | 10°35 | 18°42 | S 15 |
| M16 | 11 57 43 | 1°23'07 | 7♋ 8 | 21°27 | 16°53 | 8°45 | 15°33 | 6°17 | 8°45 | 7°10 | 24°24 | 8°D 0 | 7° 3 | 10°42 | 18°40 | M16 |
| T 17 | 12 1 39 | 2°22'08 | 20°37 | 23°22 | 18° 0 | 9°30 | 15°30 | 6°24 | 8°45 | 7° 8 | 24°25 | 8° 1 | 7° 0 | 10°48 | 18°37 | T 17 |
| W18 | 12 5 36 | 3°21'06 | 3♌48 | 25°17 | 19° 7 | 10°15 | 15°26 | 6°32 | 8°45 | 7° 7 | 24°27 | 8° 3 | 6°57 | 10°55 | 18°34 | W18 |
| T 19 | 12 9 33 | 4°20'03 | 16°42 | 27°15 | 20°15 | 11° 0 | 15°23 | 6°40 | 8°46 | 7° 5 | 24°28 | 8° 4 | 6°53 | 11° 2 | 18°32 | T 19 |
| F 20 | 12 13 29 | 5°18'57 | 29°23 | 29°13 | 21°22 | 11°45 | 15°20 | 6°47 | 8°46 | 7° 4 | 24°29 | 8° 6 | 6°50 | 11° 9 | 18°30 | F 20 |
| S 21 | 12 17 26 | 6°17'48 | 11♍51 | 1♈13 | 22°29 | 12°30 | 15°17 | 6°55 | 8°47 | 7° 2 | 24°31 | 8°R 6 | 6°47 | 11°15 | 18°27 | S 21 |
| S 22 | 12 21 22 | 7°16'38 | 24° 9 | 3°14 | 23°37 | 13°15 | 15°15 | 7° 3 | 8°47 | 7° 1 | 24°32 | 8° 5 | 6°44 | 11°22 | 18°25 | S 22 |
| M23 | 12 25 19 | 8°15'25 | 6♎18 | 5°17 | 24°45 | 14° 0 | 15°12 | 7°10 | 8°48 | 7° 0 | 24°33 | 8° 2 | 6°41 | 11°29 | 18°23 | M23 |
| T 24 | 12 29 15 | 9°14'11 | 18°20 | 7°20 | 25°53 | 14°44 | 15°10 | 7°18 | 8°49 | 6°58 | 24°35 | 7°58 | 6°37 | 11°35 | 18°21 | T 24 |
| W25 | 12 33 12 | 10°12'54 | 0♏17 | 9°25 | 27° 1 | 15°29 | 15° 8 | 7°25 | 8°49 | 6°57 | 24°36 | 7°53 | 6°34 | 11°42 | 18°19 | W25 |
| T 26 | 12 37 8 | 11°11'36 | 12°11 | 11°30 | 28° 9 | 16°14 | 15° 6 | 7°33 | 8°50 | 6°56 | 24°37 | 7°47 | 6°31 | 11°49 | 18°18 | T 26 |
| F 27 | 12 41 5 | 12°10'16 | 24° 3 | 13°36 | 29°17 | 16°59 | 15° 4 | 7°41 | 8°51 | 6°54 | 24°39 | 7°40 | 6°28 | 11°56 | 18°16 | F 27 |
| S 28 | 12 45 1 | 13° 8'54 | 5♐55 | 15°43 | 0♓25 | 17°43 | 15° 2 | 7°48 | 8°52 | 6°53 | 24°40 | 7°35 | 6°25 | 12° 2 | 18°14 | S 28 |
| S 29 | 12 48 58 | 14° 7'30 | 17°52 | 17°50 | 1°33 | 18°28 | 15° 1 | 7°56 | 8°53 | 6°52 | 24°41 | 7°30 | 6°22 | 12° 9 | 18°13 | S 29 |
| M30 | 12 52 55 | 15° 6'04 | 29°57 | 19°57 | 2°42 | 19°12 | 15° 0 | 8° 4 | 8°54 | 6°50 | 24°43 | 7°28 | 6°18 | 12°16 | 18°11 | M30 |
| T 31 | 12 56 51 | 16♈ 4'37 | 12♑14 | 22♈ 4 | 3♓51 | 19♈57 | 14♌59 | 8♈11 | 8♋55 | 6♍49 | 24♈44 | 7°D26 | 6♓15 | 12♏22 | 18♌10 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s20 | 27s12 | 5s17 | 15s 4 | 2s 9 | 18s35 | 1n36 | 1s40 | 0s41 | 17n 5 | 1n15 | 0s19 | 2s15 | 23n41 | 0n25 | 9n49 | 1n 7 | 5s45 | 16s16 | 8s34 | 8s40 | 18s50 | 8n48 | 6s34 |
| M 2 | 4 57 | 28 25 | 5 8 | 14 34 | 2 11 | 18 27 | 1 30 | 1 22 | 0 40 | 17 6 | 1 15 | 0 16 | 2 15 | 23 41 | 0 25 | 9 50 | 1 7 | 5 44 | 16 16 | 8 34 | 8 41 | 18 53 | 8 50 | 6 34 |
| T 3 | 4 33 | 28 15 | 4 45 | 14 3 | 2 13 | 18 17 | 1 25 | 1 3 | 0 39 | 17 8 | 1 15 | 0 13 | 2 15 | 23 41 | 0 25 | 9 50 | 1 7 | 5 43 | 16 16 | 8 33 | 8 43 | 18 56 | 8 51 | 6 33 |
| W 4 | 4 10 | 26 38 | 4 8 | 13 30 | 2 15 | 18 8 | 1 20 | 0 44 | 0 39 | 17 10 | 1 15 | 0 10 | 2 15 | 23 41 | 0 25 | 9 51 | 1 7 | 5 43 | 16 15 | 8 33 | 8 44 | 18 58 | 8 53 | 6 33 |
| T 5 | 3 46 | 23 34 | 3 18 | 12 56 | 2 16 | 17 57 | 1 14 | 0 25 | 0 38 | 17 11 | 1 15 | 0 7 | 2 15 | 23 41 | 0 25 | 9 51 | 1 7 | 5 42 | 16 15 | 8 33 | 8 45 | 19 1 | 8 54 | 6 32 |
| F 6 | 3 23 | 19 10 | 2 15 | 12 20 | 2 17 | 17 47 | 1 9 | 0 6 | 0 38 | 17 13 | 1 15 | 0 4 | 2 15 | 23 41 | 0 25 | 9 52 | 1 7 | 5 42 | 16 15 | 8 32 | 8 46 | 19 3 | 8 56 | 6 32 |
| S 7 | 2 59 | 13 39 | 1 3 | 11 43 | 2 17 | 17 35 | 1 4 | 0n12 | 0 37 | 17 14 | 1 15 | 0 1 | 2 15 | 23 41 | 0 25 | 9 53 | 1 7 | 5 41 | 16 15 | 8 32 | 8 47 | 19 6 | 8 58 | 6 31 |
| S 8 | 2 36 | 7 16 | 0n15 | 11 5 | 2 16 | 17 24 | 0 59 | 0 31 | 0 37 | 17 16 | 1 15 | 0n 2 | 2 15 | 23 41 | 0 25 | 9 53 | 1 7 | 5 40 | 16 15 | 8 32 | 8 48 | 19 8 | 8 59 | 6 31 |
| M 9 | 2 12 | 0 22 | 1 34 | 10 25 | 2 16 | 17 12 | 0 54 | 0 50 | 0 36 | 17 17 | 1 15 | 0 5 | 2 15 | 23 41 | 0 25 | 9 54 | 1 7 | 5 40 | 16 14 | 8 32 | 8 50 | 19 11 | 9 1 | 6 30 |
| T 10 | 1 49 | 6n39 | 2 48 | 9 44 | 2 14 | 16 59 | 0 49 | 1 8 | 0 35 | 17 19 | 1 15 | 0 8 | 2 15 | 23 41 | 0 25 | 9 54 | 1 7 | 5 39 | 16 14 | 8 33 | 8 51 | 19 14 | 9 2 | 6 30 |
| W11 | 1 25 | 13 21 | 3 51 | 9 2 | 2 12 | 16 46 | 0 44 | 1 27 | 0 35 | 17 20 | 1 14 | 0 11 | 2 15 | 23 41 | 0 25 | 9 55 | 1 7 | 5 39 | 16 14 | 8 33 | 8 52 | 19 16 | 9 4 | 6 29 |
| T 12 | 1 1 | 19 16 | 4 38 | 8 18 | 2 10 | 16 32 | 0 39 | 1 46 | 0 34 | 17 21 | 1 14 | 0 15 | 2 15 | 23 41 | 0 25 | 9 56 | 1 7 | 5 38 | 16 14 | 8 34 | 8 53 | 19 19 | 9 5 | 6 28 |
| F 13 | 0 38 | 23 59 | 5 6 | 7 33 | 2 7 | 16 18 | 0 34 | 2 4 | 0 34 | 17 22 | 1 14 | 0 18 | 2 15 | 23 41 | 0 25 | 9 56 | 1 7 | 5 37 | 16 14 | 8 35 | 8 54 | 19 21 | 9 7 | 6 28 |
| S 14 | 0 14 | 27 7 | 5 15 | 6 47 | 2 4 | 16 3 | 0 29 | 2 23 | 0 33 | 17 24 | 1 14 | 0 21 | 2 15 | 23 41 | 0 25 | 9 57 | 1 7 | 5 37 | 16 14 | 8 36 | 8 56 | 19 24 | 9 8 | 6 27 |
| S 15 | 0n10 | 28 27 | 5 4 | 5 59 | 2 0 | 15 48 | 0 24 | 2 41 | 0 32 | 17 25 | 1 14 | 0 24 | 2 15 | 23 41 | 0 25 | 9 57 | 1 7 | 5 36 | 16 13 | 8 36 | 8 57 | 19 26 | 9 10 | 6 27 |
| M16 | 0 33 | 27 57 | 4 35 | 5 11 | 1 56 | 15 32 | 0 20 | 3 0 | 0 32 | 17 26 | 1 14 | 0 27 | 2 15 | 23 41 | 0 25 | 9 58 | 1 7 | 5 36 | 16 13 | 8 36 | 8 58 | 19 29 | 9 11 | 6 26 |
| T 17 | 0 57 | 25 47 | 3 52 | 4 21 | 1 51 | 15 16 | 0 15 | 3 18 | 0 31 | 17 27 | 1 14 | 0 30 | 2 15 | 23 41 | 0 25 | 9 58 | 1 7 | 5 35 | 16 13 | 8 36 | 8 59 | 19 31 | 9 12 | 6 25 |
| W18 | 1 20 | 22 16 | 2 57 | 3 30 | 1 46 | 15 0 | 0 10 | 3 37 | 0 31 | 17 28 | 1 14 | 0 33 | 2 15 | 23 41 | 0 25 | 9 59 | 1 7 | 5 35 | 16 13 | 8 36 | 9 0 | 19 34 | 9 14 | 6 25 |
| T 19 | 1 44 | 17 44 | 1 55 | 2 38 | 1 40 | 14 43 | 0 6 | 3 55 | 0 30 | 17 28 | 1 14 | 0 36 | 2 15 | 23 41 | 0 25 | 9 59 | 1 7 | 5 34 | 16 13 | 8 35 | 9 2 | 19 36 | 9 15 | 6 24 |
| F 20 | 2 7 | 12 29 | 0 48 | 1 44 | 1 33 | 14 26 | 0 1 | 4 13 | 0 29 | 17 29 | 1 14 | 0 39 | 2 15 | 23 41 | 0 25 | 10 0 | 1 7 | 5 33 | 16 13 | 8 35 | 9 3 | 19 39 | 9 17 | 6 23 |
| S 21 | 2 31 | 6 50 | 0s21 | 0 50 | 1 26 | 14 8 | 0s 3 | 4 31 | 0 29 | 17 30 | 1 13 | 0 42 | 2 15 | 23 41 | 0 25 | 10 0 | 1 7 | 5 33 | 16 13 | 8 34 | 9 4 | 19 41 | 9 18 | 6 23 |
| S 22 | 2 54 | 1 1 | 1 27 | 0n 5 | 1 19 | 13 50 | 0 7 | 4 49 | 0 28 | 17 31 | 1 13 | 0 45 | 2 15 | 23 41 | 0 25 | 10 1 | 1 7 | 5 32 | 16 12 | 8 35 | 9 5 | 19 44 | 9 19 | 6 22 |
| M23 | 3 17 | 4s47 | 2 28 | 1 1 | 1 11 | 13 31 | 0 11 | 5 7 | 0 28 | 17 31 | 1 13 | 0 48 | 2 15 | 23 41 | 0 25 | 10 1 | 1 7 | 5 32 | 16 12 | 8 36 | 9 6 | 19 46 | 9 20 | 6 21 |
| T 24 | 3 41 | 10 20 | 3 22 | 1 58 | 1 3 | 13 12 | 0 16 | 5 25 | 0 27 | 17 32 | 1 13 | 0 51 | 2 15 | 23 41 | 0 25 | 10 2 | 1 7 | 5 31 | 16 12 | 8 37 | 9 7 | 19 49 | 9 22 | 6 21 |
| W25 | 4 4 | 15 29 | 4 7 | 2 55 | 0 54 | 12 53 | 0 20 | 5 43 | 0 26 | 17 32 | 1 13 | 0 54 | 2 15 | 23 40 | 0 25 | 10 2 | 1 7 | 5 31 | 16 12 | 8 39 | 9 9 | 19 51 | 9 23 | 6 20 |
| T 26 | 4 27 | 20 1 | 4 41 | 3 53 | 0 45 | 12 33 | 0 24 | 6 1 | 0 26 | 17 33 | 1 13 | 0 57 | 2 15 | 23 40 | 0 25 | 10 3 | 1 7 | 5 30 | 16 12 | 8 42 | 9 10 | 19 54 | 9 24 | 6 19 |
| F 27 | 4 50 | 23 45 | 5 2 | 4 51 | 0 35 | 12 13 | 0 28 | 6 19 | 0 25 | 17 33 | 1 13 | 1 0 | 2 15 | 23 40 | 0 25 | 10 3 | 1 7 | 5 29 | 16 12 | 8 44 | 9 11 | 19 56 | 9 25 | 6 19 |
| S 28 | 5 13 | 26 30 | 5 11 | 5 50 | 0 25 | 11 52 | 0 31 | 6 37 | 0 24 | 17 34 | 1 13 | 1 3 | 2 15 | 23 40 | 0 25 | 10 4 | 1 7 | 5 29 | 16 12 | 8 46 | 9 12 | 19 59 | 9 26 | 6 18 |
| S 29 | 5 36 | 28 4 | 5 6 | 6 48 | 0 14 | 11 31 | 0 35 | 6 54 | 0 24 | 17 34 | 1 13 | 1 6 | 2 15 | 23 40 | 0 25 | 10 4 | 1 7 | 5 28 | 16 12 | 8 48 | 9 13 | 20 1 | 9 28 | 6 17 |
| M30 | 5 59 | 28 21 | 4 47 | 7 47 | 0 4 | 11 10 | 0 39 | 7 12 | 0 23 | 17 34 | 1 12 | 1 9 | 2 15 | 23 40 | 0 25 | 10 5 | 1 7 | 5 28 | 16 12 | 8 49 | 9 15 | 20 4 | 9 29 | 6 16 |
| T 31 | 6n21 | 27s14 | 4s16 | 8n44 | 0n 7 | 10s48 | 0s42 | 7n29 | 0s23 | 17n34 | 1n12 | 1n12 | 2s15 | 23n40 | 0n25 | 10n 5 | 1n 7 | 5s27 | 16s12 | 8s49 | 9s16 | 20s 6 | 9n30 | 6s16 |

Julian Day Number = 2128005.5, Delta T = 16m58s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'26, Lahiri = 11°30'27 Julian Calendar 1 March 1114 == Greg. Calendar 8 March 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## APRIL 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 0 48 | 17♈ 3'08 | 24♉47 | 24♈10 | 4♓59 | 20♈41 | 14°R58 | 8♈19 | 8♋56 | 6°R48 | 24♈45 | 7♓26 | 6♓12 | 12♏29 | 18°R 9 | W 1 |
| T 2 | 13 4 44 | 18° 1'38 | 7♒41 | 26°16 | 6° 8 | 21°25 | 14♎57 | 8°26 | 8°57 | 6♍47 | 24°47 | 7°28 | 6° 9 | 12°36 | 18♎ 8 | T 2 |
| F 3 | 13 8 41 | 19° 0'05 | 21° 0 | 28°21 | 7°17 | 22°10 | 14°57 | 8°34 | 8°58 | 6°46 | 24°48 | 7°29 | 6° 6 | 12°43 | 18° 7 | F 3 |
| S 4 | 13 12 37 | 19°58'31 | 4♓46 | 0♉24 | 8°26 | 22°54 | 14°56 | 8°41 | 9° 0 | 6°45 | 24°50 | 7°R30 | 6° 2 | 12°49 | 18° 6 | S 4 |
| S 5 | 13 16 34 | 20°56'56 | 19° 0 | 2°26 | 9°35 | 23°38 | 14°D56 | 8°49 | 9° 1 | 6°44 | 24°51 | 7°29 | 5°59 | 12°56 | 18° 6 | S 5 |
| M 6 | 13 20 30 | 21°55'18 | 3♈39 | 4°26 | 10°44 | 24°22 | 14°56 | 8°56 | 9° 2 | 6°42 | 24°52 | 7°27 | 5°56 | 13° 3 | 18° 5 | M 6 |
| T 7 | 13 24 27 | 22°53'39 | 18°38 | 6°23 | 11°53 | 25° 7 | 14°57 | 9° 4 | 9° 4 | 6°41 | 24°54 | 7°23 | 5°53 | 13° 9 | 18° 4 | T 7 |
| W 8 | 13 28 24 | 23°51'58 | 3♉49 | 8°18 | 13° 3 | 25°51 | 14°57 | 9°11 | 9° 5 | 6°40 | 24°55 | 7°16 | 5°50 | 13°16 | 18° 4 | W 8 |
| T 9 | 13 32 20 | 24°50'15 | 19° 1 | 10°10 | 14°12 | 26°35 | 14°58 | 9°19 | 9° 7 | 6°39 | 24°56 | 7° 9 | 5°47 | 13°23 | 18° 4 | T 9 |
| F 10 | 13 36 17 | 25°48'31 | 4♊ 5 | 11°58 | 15°22 | 27°19 | 14°59 | 9°26 | 9° 8 | 6°38 | 24°58 | 7° 2 | 5°43 | 13°29 | 18° 4 | F 10 |
| S 11 | 13 40 13 | 26°46'44 | 18°51 | 13°44 | 16°31 | 28° 2 | 15° 0 | 9°34 | 9°10 | 6°37 | 24°59 | 6°56 | 5°40 | 13°36 | 18°D 3 | S 11 |
| S 12 | 13 44 10 | 27°44'56 | 3♋13 | 15°26 | 17°41 | 28°46 | 15° 1 | 9°41 | 9°11 | 6°37 | 25° 1 | 6°52 | 5°37 | 13°43 | 18° 4 | S 12 |
| M13 | 13 48 6 | 28°43'05 | 17° 9 | 17° 5 | 18°50 | 29°30 | 15° 2 | 9°49 | 9°13 | 6°36 | 25° 2 | 6°49 | 5°34 | 13°50 | 18° 4 | M13 |
| T 14 | 13 52 3 | 29°41'12 | 0♌38 | 18°39 | 20° 0 | 0♉14 | 15° 4 | 9°56 | 9°15 | 6°35 | 25° 3 | 6°D49 | 5°31 | 13°56 | 18° 4 | T 14 |
| W15 | 13 56 0 | 0♉39'17 | 13°43 | 20°10 | 21°10 | 0°58 | 15° 6 | 10° 3 | 9°17 | 6°34 | 25° 5 | 6°49 | 5°28 | 14° 3 | 18° 4 | W15 |
| T 16 | 13 59 56 | 1°37'21 | 26°28 | 21°37 | 22°20 | 1°41 | 15° 7 | 10°11 | 9°18 | 6°33 | 25° 6 | 6°50 | 5°24 | 14°10 | 18° 5 | T 16 |
| F 17 | 14 3 53 | 2°35'22 | 8♍56 | 23° 0 | 23°29 | 2°25 | 15°10 | 10°18 | 9°20 | 6°32 | 25° 7 | 6°R50 | 5°21 | 14°16 | 18° 5 | F 17 |
| S 18 | 14 7 49 | 3°33'21 | 21°11 | 24°19 | 24°39 | 3° 8 | 15°12 | 10°25 | 9°22 | 6°32 | 25° 9 | 6°49 | 5°18 | 14°23 | 18° 6 | S 18 |
| S 19 | 14 11 46 | 4°31'18 | 3♎17 | 25°34 | 25°49 | 3°52 | 15°14 | 10°32 | 9°24 | 6°31 | 25°10 | 6°46 | 5°15 | 14°30 | 18° 7 | S 19 |
| M20 | 14 15 42 | 5°29'14 | 15°16 | 26°44 | 26°59 | 4°35 | 15°17 | 10°39 | 9°26 | 6°30 | 25°11 | 6°40 | 5°12 | 14°37 | 18° 8 | M20 |
| T 21 | 14 19 39 | 6°27'08 | 27°12 | 27°51 | 28°10 | 5°19 | 15°20 | 10°47 | 9°28 | 6°30 | 25°13 | 6°32 | 5° 8 | 14°43 | 18° 9 | T 21 |
| W22 | 14 23 35 | 7°25'00 | 9♏ 4 | 28°52 | 29°20 | 6° 2 | 15°23 | 10°54 | 9°30 | 6°29 | 25°14 | 6°22 | 5° 5 | 14°50 | 18°10 | W22 |
| T 23 | 14 27 32 | 8°22'51 | 20°57 | 29°50 | 0♈30 | 6°45 | 15°26 | 11° 1 | 9°32 | 6°28 | 25°15 | 6°10 | 5° 2 | 14°57 | 18°11 | T 23 |
| F 24 | 14 31 28 | 9°20'41 | 2♐50 | 0♊43 | 1°40 | 7°28 | 15°29 | 11° 8 | 9°35 | 6°28 | 25°17 | 5°58 | 4°59 | 15° 3 | 18°13 | F 24 |
| S 25 | 14 35 25 | 10°18'29 | 14°45 | 1°31 | 2°51 | 8°12 | 15°33 | 11°15 | 9°37 | 6°27 | 25°18 | 5°47 | 4°56 | 15°10 | 18°14 | S 25 |
| S 26 | 14 39 22 | 11°16'16 | 26°45 | 2°15 | 4° 1 | 8°55 | 15°36 | 11°22 | 9°39 | 6°27 | 25°20 | 5°38 | 4°53 | 15°17 | 18°16 | S 26 |
| M27 | 14 43 18 | 12°14'01 | 8♑52 | 2°54 | 5°11 | 9°38 | 15°40 | 11°29 | 9°41 | 6°26 | 25°21 | 5°31 | 4°49 | 15°24 | 18°17 | M27 |
| T 28 | 14 47 15 | 13°11'46 | 21°10 | 3°28 | 6°22 | 10°21 | 15°44 | 11°36 | 9°44 | 6°26 | 25°22 | 5°26 | 4°46 | 15°30 | 18°19 | T 28 |
| W29 | 14 51 11 | 14° 9'29 | 3♒42 | 3°57 | 7°33 | 11° 4 | 15°48 | 11°43 | 9°46 | 6°25 | 25°23 | 5°24 | 4°43 | 15°37 | 18°21 | W29 |
| T 30 | 14 55 8 | 15♉ 7'11 | 16♒32 | 4♊22 | 8♈43 | 11♉47 | 15♎52 | 11♈50 | 9♋49 | 6♍25 | 25♈25 | 5°D24 | 4♓40 | 15♏44 | 18♎23 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n44 | 24s44 | 3s31 | 9n42 | 0n18 | 10s26 | 0s46 | 7n47 | 0s22 | 17n34 | 1n12 | 1n15 | 2s15 | 23n40 | 0n25 | 10n 6 | 1n 7 | 5s27 | 16s12 | 8s49 | 9s17 | 20s 8 | 9n31 | 6s15 |
| T 2 | 7 6 | 20 56 | 2 35 | 10 38 | 0 29 | 10 4 | 0 49 | 8 4 | 0 21 | 17 35 | 1 12 | 1 18 | 2 15 | 23 40 | 0 25 | 10 6 | 1 7 | 5 26 | 16 11 | 8 49 | 9 18 | 20 11 | 9 32 | 6 14 |
| F 3 | 7 29 | 15 58 | 1 28 | 11 34 | 0 40 | 9 42 | 0 53 | 8 21 | 0 21 | 17 35 | 1 12 | 1 21 | 2 15 | 23 40 | 0 25 | 10 6 | 1 7 | 5 26 | 16 11 | 8 48 | 9 19 | 20 13 | 9 33 | 6 13 |
| S 4 | 7 51 | 10 2 | 0 15 | 12 28 | 0 51 | 9 19 | 0 56 | 8 38 | 0 20 | 17 34 | 1 12 | 1 24 | 2 15 | 23 40 | 0 25 | 10 7 | 1 7 | 5 25 | 16 11 | 8 48 | 9 20 | 20 16 | 9 34 | 6 13 |
| S 5 | 8 13 | 3 26 | 1n 2 | 13 20 | 1 1 | 8 56 | 0 59 | 8 55 | 0 20 | 17 34 | 1 12 | 1 26 | 2 15 | 23 40 | 0 25 | 10 7 | 1 7 | 5 25 | 16 11 | 8 48 | 9 22 | 20 18 | 9 35 | 6 12 |
| M 6 | 8 35 | 3n33 | 2 17 | 14 11 | 1 12 | 8 32 | 1 2 | 9 12 | 0 19 | 17 34 | 1 11 | 1 29 | 2 15 | 23 39 | 0 25 | 10 8 | 1 7 | 5 24 | 16 11 | 8 49 | 9 23 | 20 21 | 9 36 | 6 11 |
| T 7 | 8 57 | 10 28 | 3 24 | 15 0 | 1 22 | 8 8 | 1 5 | 9 29 | 0 18 | 17 34 | 1 11 | 1 32 | 2 15 | 23 39 | 0 25 | 10 8 | 1 7 | 5 24 | 16 11 | 8 51 | 9 24 | 20 23 | 9 36 | 6 10 |
| W 8 | 9 18 | 16 52 | 4 17 | 15 47 | 1 32 | 7 44 | 1 8 | 9 46 | 0 18 | 17 34 | 1 11 | 1 35 | 2 15 | 23 39 | 0 25 | 10 8 | 1 7 | 5 23 | 16 11 | 8 53 | 9 25 | 20 25 | 9 37 | 6 10 |
| T 9 | 9 40 | 22 14 | 4 52 | 16 32 | 1 41 | 7 20 | 1 11 | 10 2 | 0 17 | 17 33 | 1 11 | 1 38 | 2 15 | 23 39 | 0 25 | 10 9 | 1 7 | 5 23 | 16 11 | 8 56 | 9 26 | 20 28 | 9 38 | 6 9 |
| F 10 | 10 1 | 26 5 | 5 7 | 17 14 | 1 49 | 6 56 | 1 14 | 10 19 | 0 16 | 17 33 | 1 11 | 1 41 | 2 16 | 23 39 | 0 25 | 10 9 | 1 7 | 5 22 | 16 11 | 8 58 | 9 27 | 20 30 | 9 39 | 6 8 |
| S 11 | 10 22 | 28 5 | 5 1 | 17 54 | 1 58 | 6 31 | 1 16 | 10 35 | 0 16 | 17 33 | 1 11 | 1 44 | 2 16 | 23 39 | 0 25 | 10 9 | 1 7 | 5 22 | 16 11 | 9 0 | 9 29 | 20 33 | 9 40 | 6 7 |
| S 12 | 10 43 | 28 7 | 4 36 | 18 32 | 2 5 | 6 6 | 1 19 | 10 51 | 0 15 | 17 32 | 1 11 | 1 47 | 2 16 | 23 39 | 0 25 | 10 10 | 1 7 | 5 21 | 16 11 | 9 2 | 9 30 | 20 35 | 9 40 | 6 7 |
| M13 | 11 4 | 26 20 | 3 55 | 19 7 | 2 12 | 5 41 | 1 21 | 11 8 | 0 14 | 17 32 | 1 10 | 1 49 | 2 16 | 23 39 | 0 25 | 10 10 | 1 7 | 5 21 | 16 11 | 9 3 | 9 31 | 20 37 | 9 41 | 6 6 |
| T 14 | 11 25 | 23 4 | 3 2 | 19 40 | 2 18 | 5 16 | 1 24 | 11 24 | 0 14 | 17 31 | 1 10 | 1 52 | 2 16 | 23 38 | 0 25 | 10 10 | 1 7 | 5 20 | 16 11 | 9 3 | 9 32 | 20 40 | 9 42 | 6 5 |
| W15 | 11 45 | 18 43 | 2 1 | 20 10 | 2 23 | 4 50 | 1 26 | 11 39 | 0 13 | 17 30 | 1 10 | 1 55 | 2 16 | 23 38 | 0 25 | 10 11 | 1 7 | 5 20 | 16 11 | 9 3 | 9 33 | 20 42 | 9 42 | 6 4 |
| T 16 | 12 6 | 13 37 | 0 55 | 20 38 | 2 27 | 4 24 | 1 28 | 11 55 | 0 13 | 17 30 | 1 10 | 1 58 | 2 16 | 23 38 | 0 25 | 10 11 | 1 7 | 5 19 | 16 11 | 9 3 | 9 34 | 20 44 | 9 43 | 6 4 |
| F 17 | 12 26 | 8 5 | 0s11 | 21 3 | 2 31 | 3 58 | 1 30 | 12 11 | 0 12 | 17 29 | 1 10 | 2 1 | 2 16 | 23 38 | 0 25 | 10 11 | 1 7 | 5 19 | 16 11 | 9 3 | 9 36 | 20 47 | 9 44 | 6 3 |
| S 18 | 12 46 | 2 21 | 1 16 | 21 25 | 2 33 | 3 32 | 1 32 | 12 27 | 0 11 | 17 28 | 1 10 | 2 3 | 2 16 | 23 38 | 0 25 | 10 11 | 1 7 | 5 18 | 16 11 | 9 3 | 9 37 | 20 49 | 9 44 | 6 2 |
| S 19 | 13 5 | 3s24 | 2 17 | 21 45 | 2 35 | 3 6 | 1 34 | 12 42 | 0 11 | 17 27 | 1 10 | 2 6 | 2 16 | 23 38 | 0 24 | 10 12 | 1 7 | 5 18 | 16 11 | 9 4 | 9 38 | 20 51 | 9 45 | 6 1 |
| M20 | 13 25 | 8 58 | 3 10 | 22 3 | 2 36 | 2 40 | 1 36 | 12 57 | 0 10 | 17 26 | 1 9 | 2 9 | 2 16 | 23 38 | 0 24 | 10 12 | 1 7 | 5 17 | 16 11 | 9 6 | 9 39 | 20 54 | 9 45 | 6 0 |
| T 21 | 13 44 | 14 10 | 3 55 | 22 18 | 2 36 | 2 13 | 1 37 | 13 12 | 0 9 | 17 25 | 1 9 | 2 12 | 2 17 | 23 37 | 0 24 | 10 12 | 1 7 | 5 17 | 16 11 | 9 9 | 9 40 | 20 56 | 9 45 | 6 0 |
| W22 | 14 3 | 18 50 | 4 30 | 22 31 | 2 35 | 1 47 | 1 39 | 13 28 | 0 9 | 17 24 | 1 9 | 2 14 | 2 17 | 23 37 | 0 24 | 10 12 | 1 7 | 5 17 | 16 11 | 9 13 | 9 41 | 20 58 | 9 46 | 5 59 |
| T 23 | 14 22 | 22 46 | 4 52 | 22 42 | 2 33 | 1 20 | 1 41 | 13 42 | 0 8 | 17 23 | 1 9 | 2 17 | 2 17 | 23 37 | 0 24 | 10 13 | 1 7 | 5 16 | 16 11 | 9 18 | 9 43 | 21 1 | 9 46 | 5 58 |
| F 24 | 14 41 | 25 46 | 5 2 | 22 50 | 2 30 | 0 54 | 1 42 | 13 57 | 0 8 | 17 22 | 1 9 | 2 20 | 2 17 | 23 37 | 0 24 | 10 13 | 1 7 | 5 16 | 16 12 | 9 22 | 9 44 | 21 3 | 9 47 | 5 57 |
| S 25 | 14 59 | 27 38 | 4 59 | 22 56 | 2 26 | 0 27 | 1 43 | 14 12 | 0 7 | 17 21 | 1 9 | 2 22 | 2 17 | 23 37 | 0 24 | 10 13 | 1 7 | 5 15 | 16 12 | 9 26 | 9 45 | 21 5 | 9 47 | 5 57 |
| S 26 | 15 17 | 28 14 | 4 43 | 23 0 | 2 21 | 0n 0 | 1 45 | 14 26 | 0 6 | 17 20 | 1 9 | 2 25 | 2 17 | 23 37 | 0 24 | 10 13 | 1 6 | 5 15 | 16 12 | 9 29 | 9 46 | 21 8 | 9 47 | 5 56 |
| M27 | 15 35 | 27 28 | 4 13 | 23 2 | 2 15 | 0 27 | 1 46 | 14 41 | 0 6 | 17 18 | 1 8 | 2 28 | 2 17 | 23 36 | 0 24 | 10 13 | 1 6 | 5 15 | 16 12 | 9 32 | 9 47 | 21 10 | 9 47 | 5 55 |
| T 28 | 15 53 | 25 22 | 3 32 | 23 2 | 2 7 | 0 54 | 1 47 | 14 55 | 0 5 | 17 17 | 1 8 | 2 30 | 2 17 | 23 36 | 0 24 | 10 13 | 1 6 | 5 14 | 16 12 | 9 34 | 9 48 | 21 12 | 9 48 | 5 54 |
| W29 | 16 10 | 22 1 | 2 40 | 23 0 | 1 59 | 1 21 | 1 48 | 15 9 | 0 4 | 17 16 | 1 8 | 2 33 | 2 17 | 23 36 | 0 24 | 10 14 | 1 6 | 5 14 | 16 12 | 9 35 | 9 50 | 21 15 | 9 48 | 5 53 |
| T 30 | 16n27 | 17s31 | 1s38 | 22n55 | 1n50 | 1n48 | 1s49 | 15n23 | 0s 4 | 17n14 | 1n 8 | 2n35 | 2s18 | 23n36 | 0n24 | 10n14 | 1n 6 | 5s13 | 16s12 | 9s35 | 9s51 | 21s17 | 9n48 | 5s53 |

Julian Day Number = 2128036.5, Delta T = 16m58s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'31, Lahiri = 11°30'31 Julian Calendar 1 Apr. 1114 == Greg. Calendar 8 Apr. 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## MAY 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 59 4 | 16♉ 4'52 | 29♒44 | 4♊42 | 9♈54 | 12♉29 | 15♌57 | 11♈56 | 9♋51 | 6°R25 | 25♈26 | 5°R24 | 4♓37 | 15♏51 | 18♌25 | F 1 |
| S 2 | 15 3 1 | 17° 2'31 | 13♓22 | 4°57 | 11° 5 | 13°12 | 16° 1 | 12° 3 | 9°54 | 6♍24 | 25°27 | 5♓24 | 4°34 | 15°57 | 18°27 | S 2 |
| S 3 | 15 6 57 | 18° 0'10 | 27°28 | 5° 7 | 12°15 | 13°55 | 16° 6 | 12°10 | 9°56 | 6°24 | 25°29 | 5°22 | 4°30 | 16° 4 | 18°30 | S 3 |
| M 4 | 15 10 54 | 18°57'48 | 12♈ 1 | 5°13 | 13°26 | 14°38 | 16°11 | 12°16 | 9°59 | 6°24 | 25°30 | 5°18 | 4°27 | 16°11 | 18°32 | M 4 |
| T 5 | 15 14 51 | 19°55'24 | 26°58 | 5°R13 | 14°37 | 15°20 | 16°16 | 12°23 | 10° 1 | 6°23 | 25°31 | 5°12 | 4°24 | 16°17 | 18°35 | T 5 |
| W 6 | 15 18 47 | 20°53'00 | 12♉11 | 5°10 | 15°48 | 16° 3 | 16°21 | 12°30 | 10° 4 | 6°23 | 25°32 | 5° 3 | 4°21 | 16°24 | 18°37 | W 6 |
| T 7 | 15 22 44 | 21°50'35 | 27°30 | 5° 1 | 16°59 | 16°46 | 16°27 | 12°36 | 10° 7 | 6°23 | 25°34 | 4°53 | 4°18 | 16°31 | 18°40 | T 7 |
| F 8 | 15 26 40 | 22°48'08 | 12♊43 | 4°49 | 18°10 | 17°28 | 16°32 | 12°43 | 10° 9 | 6°23 | 25°35 | 4°42 | 4°14 | 16°38 | 18°43 | F 8 |
| S 9 | 15 30 37 | 23°45'40 | 27°41 | 4°32 | 19°21 | 18°10 | 16°38 | 12°49 | 10°12 | 6°23 | 25°36 | 4°33 | 4°11 | 16°44 | 18°46 | S 9 |
| S 10 | 15 34 33 | 24°43'11 | 12♋14 | 4°12 | 20°32 | 18°53 | 16°44 | 12°55 | 10°15 | 6°23 | 25°37 | 4°25 | 4° 8 | 16°51 | 18°49 | S 10 |
| M11 | 15 38 30 | 25°40'41 | 26°19 | 3°49 | 21°43 | 19°35 | 16°50 | 13° 2 | 10°18 | 6°23 | 25°39 | 4°20 | 4° 5 | 16°58 | 18°52 | M11 |
| T 12 | 15 42 27 | 26°38'09 | 9♌55 | 3°22 | 22°54 | 20°18 | 16°56 | 13° 8 | 10°20 | 6°D23 | 25°40 | 4°18 | 4° 2 | 17° 4 | 18°55 | T 12 |
| W13 | 15 46 23 | 27°35'36 | 23° 2 | 2°53 | 24° 5 | 21° 0 | 17° 2 | 13°14 | 10°23 | 6°23 | 25°41 | 4°17 | 3°59 | 17°11 | 18°58 | W13 |
| T 14 | 15 50 20 | 28°33'01 | 5♍46 | 2°22 | 25°16 | 21°42 | 17° 9 | 13°20 | 10°26 | 6°23 | 25°42 | 4°17 | 3°55 | 17°18 | 19° 2 | T 14 |
| F 15 | 15 54 16 | 29°30'25 | 18°11 | 1°50 | 26°27 | 22°24 | 17°15 | 13°26 | 10°29 | 6°23 | 25°43 | 4°17 | 3°52 | 17°25 | 19° 5 | F 15 |
| S 16 | 15 58 13 | 0♊27'48 | 0♎21 | 1°16 | 27°39 | 23° 6 | 17°22 | 13°33 | 10°32 | 6°23 | 25°45 | 4°15 | 3°49 | 17°31 | 19° 9 | S 16 |
| S 17 | 16 2 9 | 1°25'10 | 12°21 | 0°43 | 28°50 | 23°48 | 17°29 | 13°39 | 10°35 | 6°23 | 25°46 | 4°10 | 3°46 | 17°38 | 19°13 | S 17 |
| M18 | 16 6 6 | 2°22'31 | 24°15 | 0°10 | 0♉ 1 | 24°30 | 17°36 | 13°44 | 10°38 | 6°23 | 25°47 | 4° 3 | 3°43 | 17°45 | 19°16 | M18 |
| T 19 | 16 10 2 | 3°19'50 | 6♏ 7 | 29♉37 | 1°13 | 25°12 | 17°43 | 13°50 | 10°41 | 6°24 | 25°48 | 3°54 | 3°40 | 17°51 | 19°20 | T 19 |
| W20 | 16 13 59 | 4°17'09 | 17°58 | 29° 6 | 2°24 | 25°54 | 17°50 | 13°56 | 10°44 | 6°24 | 25°49 | 3°42 | 3°36 | 17°58 | 19°24 | W20 |
| T 21 | 16 17 56 | 5°14'27 | 29°52 | 28°37 | 3°35 | 26°36 | 17°57 | 14° 2 | 10°48 | 6°24 | 25°50 | 3°28 | 3°33 | 18° 5 | 19°28 | T 21 |
| F 22 | 16 21 52 | 6°11'44 | 11♐49 | 28°10 | 4°47 | 27°18 | 18° 5 | 14° 8 | 10°51 | 6°24 | 25°51 | 3°14 | 3°30 | 18°12 | 19°33 | F 22 |
| S 23 | 16 25 49 | 7° 9'01 | 23°50 | 27°46 | 5°58 | 27°59 | 18°12 | 14°13 | 10°54 | 6°25 | 25°52 | 3° 1 | 3°27 | 18°18 | 19°37 | S 23 |
| S 24 | 16 29 45 | 8° 6'17 | 5♑58 | 27°25 | 7°10 | 28°41 | 18°20 | 14°19 | 10°57 | 6°25 | 25°54 | 2°50 | 3°24 | 18°25 | 19°41 | S 24 |
| M25 | 16 33 42 | 9° 3'32 | 18°13 | 27° 8 | 8°21 | 29°23 | 18°28 | 14°24 | 11° 0 | 6°26 | 25°55 | 2°41 | 3°20 | 18°32 | 19°46 | M25 |
| T 26 | 16 37 38 | 10° 0'47 | 0♒38 | 26°55 | 9°33 | 0♊ 4 | 18°36 | 14°30 | 11° 3 | 6°26 | 25°56 | 2°36 | 3°17 | 18°38 | 19°50 | T 26 |
| W27 | 16 41 35 | 10°58'02 | 13°15 | 26°46 | 10°45 | 0°46 | 18°44 | 14°35 | 11° 7 | 6°27 | 25°57 | 2°32 | 3°14 | 18°45 | 19°55 | W27 |
| T 28 | 16 45 31 | 11°55'16 | 26° 7 | 26°41 | 11°56 | 1°27 | 18°52 | 14°40 | 11°10 | 6°27 | 25°58 | 2°31 | 3°11 | 18°52 | 20° 0 | T 28 |
| F 29 | 16 49 28 | 12°52'30 | 9♓18 | 26°D41 | 13° 8 | 2° 9 | 19° 0 | 14°46 | 11°13 | 6°28 | 25°59 | 2°31 | 3° 8 | 18°59 | 20° 4 | F 29 |
| S 30 | 16 53 25 | 13°49'43 | 22°51 | 26°45 | 14°20 | 2°50 | 19° 9 | 14°51 | 11°17 | 6°28 | 26° 0 | 2°31 | 3° 5 | 19° 5 | 20° 9 | S 30 |
| S 31 | 16 57 21 | 14♊46'57 | 6♈47 | 26♉54 | 15♉32 | 3♊31 | 19♌17 | 14♈56 | 11♋20 | 6♍29 | 26♈ 1 | 2♓30 | 3♓ 1 | 19♏12 | 20♌14 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n44 | 12s 5 | 0s30 | 22n49 | 1n40 | 2n16 | 1s50 | 15n37 | 0s 3 | 17n13 | 1n 8 | 2n38 | 2s18 | 23n36 | 0n24 | 10n14 | 1n 6 | 5s13 | 16s12 | 9s35 | 9s52 | 21s19 | 9n48 | 5s52 |
| S 2 | 17 0 | 5 55 | 0n42 | 22 41 | 1 29 | 2 43 | 1 50 | 15 50 | 0 2 | 17 11 | 1 8 | 2 40 | 2 18 | 23 35 | 0 24 | 10 14 | 1 6 | 5 13 | 16 12 | 9 35 | 9 53 | 21 21 | 9 48 | 5 51 |
| S 3 | 17 17 | 0n44 | 1 54 | 22 31 | 1 17 | 3 10 | 1 51 | 16 4 | 0 2 | 17 10 | 1 8 | 2 43 | 2 18 | 23 35 | 0 24 | 10 14 | 1 6 | 5 12 | 16 12 | 9 35 | 9 54 | 21 24 | 9 48 | 5 50 |
| M 4 | 17 33 | 7 33 | 3 1 | 22 19 | 1 4 | 3 37 | 1 51 | 16 17 | 0 1 | 17 8 | 1 8 | 2 45 | 2 18 | 23 35 | 0 24 | 10 14 | 1 6 | 5 12 | 16 12 | 9 37 | 9 55 | 21 26 | 9 48 | 5 50 |
| T 5 | 17 48 | 14 7 | 3 57 | 22 6 | 0 50 | 4 4 | 1 52 | 16 30 | 0 1 | 17 6 | 1 7 | 2 48 | 2 18 | 23 35 | 0 24 | 10 14 | 1 6 | 5 12 | 16 13 | 9 39 | 9 57 | 21 28 | 9 48 | 5 49 |
| W 6 | 18 4 | 19 58 | 4 38 | 21 51 | 0 35 | 4 31 | 1 52 | 16 43 | 0n 0 | 17 5 | 1 7 | 2 50 | 2 18 | 23 35 | 0 24 | 10 14 | 1 6 | 5 11 | 16 13 | 9 42 | 9 58 | 21 30 | 9 48 | 5 48 |
| T 7 | 18 19 | 24 32 | 4 58 | 21 34 | 0 20 | 4 58 | 1 53 | 16 56 | 0 1 | 17 3 | 1 7 | 2 53 | 2 19 | 23 34 | 0 24 | 10 14 | 1 6 | 5 11 | 16 13 | 9 46 | 9 59 | 21 33 | 9 48 | 5 47 |
| F 8 | 18 34 | 27 21 | 4 58 | 21 16 | 0 4 | 5 25 | 1 53 | 17 9 | 0 1 | 17 1 | 1 7 | 2 55 | 2 19 | 23 34 | 0 24 | 10 14 | 1 6 | 5 11 | 16 13 | 9 50 | 10 0 | 21 35 | 9 48 | 5 47 |
| S 9 | 18 48 | 28 9 | 4 37 | 20 57 | 0s13 | 5 52 | 1 53 | 17 21 | 0 2 | 16 59 | 1 7 | 2 57 | 2 19 | 23 34 | 0 24 | 10 14 | 1 6 | 5 10 | 16 13 | 9 53 | 10 1 | 21 37 | 9 48 | 5 46 |
| S 10 | 19 2 | 26 57 | 3 58 | 20 36 | 0 29 | 6 19 | 1 53 | 17 34 | 0 3 | 16 57 | 1 7 | 3 0 | 2 19 | 23 34 | 0 24 | 10 14 | 1 6 | 5 10 | 16 13 | 9 56 | 10 2 | 21 39 | 9 47 | 5 45 |
| M11 | 19 16 | 24 2 | 3 6 | 20 15 | 0 47 | 6 46 | 1 53 | 17 46 | 0 3 | 16 56 | 1 7 | 3 2 | 2 19 | 23 34 | 0 24 | 10 14 | 1 6 | 5 10 | 16 13 | 9 58 | 10 4 | 21 42 | 9 47 | 5 44 |
| T 12 | 19 30 | 19 52 | 2 5 | 19 53 | 1 4 | 7 12 | 1 53 | 17 58 | 0 4 | 16 54 | 1 6 | 3 4 | 2 19 | 23 33 | 0 24 | 10 14 | 1 6 | 5 10 | 16 13 | 9 59 | 10 5 | 21 44 | 9 47 | 5 44 |
| W13 | 19 43 | 14 50 | 0 59 | 19 30 | 1 21 | 7 39 | 1 52 | 18 10 | 0 4 | 16 52 | 1 6 | 3 7 | 2 19 | 23 33 | 0 24 | 10 14 | 1 6 | 5 9 | 16 14 | 9 59 | 10 6 | 21 46 | 9 46 | 5 43 |
| T 14 | 19 56 | 9 19 | 0s 8 | 19 8 | 1 39 | 8 5 | 1 52 | 18 22 | 0 5 | 16 49 | 1 6 | 3 9 | 2 20 | 23 33 | 0 24 | 10 14 | 1 6 | 5 9 | 16 14 | 9 59 | 10 7 | 21 48 | 9 46 | 5 42 |
| F 15 | 20 9 | 3 35 | 1 13 | 18 45 | 1 55 | 8 31 | 1 52 | 18 33 | 0 6 | 16 47 | 1 6 | 3 11 | 2 20 | 23 33 | 0 24 | 10 14 | 1 6 | 5 9 | 16 14 | 9 59 | 10 8 | 21 50 | 9 46 | 5 41 |
| S 16 | 20 21 | 2s10 | 2 13 | 18 22 | 2 12 | 8 57 | 1 51 | 18 44 | 0 6 | 16 45 | 1 6 | 3 13 | 2 20 | 23 32 | 0 24 | 10 14 | 1 6 | 5 8 | 16 14 | 10 0 | 10 9 | 21 53 | 9 45 | 5 41 |
| S 17 | 20 33 | 7 46 | 3 6 | 18 0 | 2 28 | 9 23 | 1 51 | 18 56 | 0 7 | 16 43 | 1 6 | 3 15 | 2 20 | 23 32 | 0 24 | 10 14 | 1 6 | 5 8 | 16 14 | 10 2 | 10 11 | 21 55 | 9 45 | 5 40 |
| M18 | 20 44 | 13 1 | 3 51 | 17 38 | 2 43 | 9 49 | 1 50 | 19 7 | 0 8 | 16 41 | 1 6 | 3 18 | 2 20 | 23 32 | 0 24 | 10 14 | 1 6 | 5 8 | 16 14 | 10 4 | 10 12 | 21 57 | 9 44 | 5 39 |
| T 19 | 20 55 | 17 48 | 4 26 | 17 17 | 2 57 | 10 15 | 1 49 | 19 17 | 0 8 | 16 38 | 1 6 | 3 20 | 2 21 | 23 32 | 0 24 | 10 14 | 1 6 | 5 8 | 16 15 | 10 8 | 10 13 | 21 59 | 9 44 | 5 39 |
| W20 | 21 6 | 21 53 | 4 48 | 16 58 | 3 10 | 10 40 | 1 49 | 19 28 | 0 9 | 16 36 | 1 6 | 3 22 | 2 21 | 23 31 | 0 24 | 10 14 | 1 6 | 5 8 | 16 15 | 10 12 | 10 14 | 22 1 | 9 43 | 5 38 |
| T 21 | 21 17 | 25 5 | 4 59 | 16 40 | 3 22 | 11 5 | 1 48 | 19 39 | 0 9 | 16 34 | 1 5 | 3 24 | 2 21 | 23 31 | 0 24 | 10 13 | 1 6 | 5 7 | 16 15 | 10 17 | 10 15 | 22 3 | 9 43 | 5 37 |
| F 22 | 21 27 | 27 12 | 4 56 | 16 23 | 3 33 | 11 30 | 1 47 | 19 49 | 0 10 | 16 31 | 1 5 | 3 26 | 2 21 | 23 31 | 0 24 | 10 13 | 1 6 | 5 7 | 16 15 | 10 22 | 10 16 | 22 6 | 9 42 | 5 36 |
| S 23 | 21 37 | 28 5 | 4 40 | 16 9 | 3 42 | 11 55 | 1 46 | 19 59 | 0 11 | 16 29 | 1 5 | 3 28 | 2 21 | 23 31 | 0 24 | 10 13 | 1 6 | 5 7 | 16 15 | 10 27 | 10 17 | 22 8 | 9 41 | 5 36 |
| S 24 | 21 46 | 27 37 | 4 12 | 15 56 | 3 51 | 12 19 | 1 45 | 20 9 | 0 11 | 16 26 | 1 5 | 3 30 | 2 22 | 23 30 | 0 24 | 10 13 | 1 6 | 5 7 | 16 16 | 10 31 | 10 19 | 22 10 | 9 41 | 5 35 |
| M25 | 21 55 | 25 48 | 3 31 | 15 46 | 3 58 | 12 43 | 1 44 | 20 19 | 0 12 | 16 24 | 1 5 | 3 32 | 2 22 | 23 30 | 0 24 | 10 13 | 1 6 | 5 7 | 16 16 | 10 34 | 10 20 | 22 12 | 9 40 | 5 34 |
| T 26 | 22 4 | 22 43 | 2 40 | 15 37 | 4 3 | 13 7 | 1 42 | 20 28 | 0 13 | 16 21 | 1 5 | 3 34 | 2 22 | 23 30 | 0 24 | 10 13 | 1 6 | 5 6 | 16 16 | 10 36 | 10 21 | 22 14 | 9 39 | 5 34 |
| W27 | 22 12 | 18 31 | 1 40 | 15 31 | 4 8 | 13 31 | 1 41 | 20 37 | 0 13 | 16 19 | 1 5 | 3 36 | 2 22 | 23 29 | 0 24 | 10 12 | 1 6 | 5 6 | 16 16 | 10 37 | 10 22 | 22 16 | 9 39 | 5 33 |
| T 28 | 22 20 | 13 24 | 0 34 | 15 27 | 4 11 | 13 54 | 1 40 | 20 47 | 0 14 | 16 16 | 1 5 | 3 37 | 2 22 | 23 29 | 0 24 | 10 12 | 1 6 | 5 6 | 16 16 | 10 38 | 10 23 | 22 18 | 9 38 | 5 32 |
| F 29 | 22 27 | 7 34 | 0n36 | 15 25 | 4 13 | 14 18 | 1 38 | 20 56 | 0 14 | 16 13 | 1 5 | 3 39 | 2 23 | 23 29 | 0 24 | 10 12 | 1 6 | 5 6 | 16 17 | 10 38 | 10 24 | 22 20 | 9 37 | 5 32 |
| S 30 | 22 34 | 1 14 | 1 45 | 15 25 | 4 13 | 14 40 | 1 37 | 21 4 | 0 15 | 16 10 | 1 4 | 3 41 | 2 23 | 23 29 | 0 24 | 10 12 | 1 6 | 5 6 | 16 17 | 10 38 | 10 26 | 22 23 | 9 36 | 5 31 |
| S 31 | 22n41 | 5n19 | 2n51 | 15n28 | 4s13 | 15n 3 | 1s36 | 21n13 | 0n16 | 16n 8 | 1n 4 | 3n43 | 2s23 | 23n28 | 0n24 | 10n12 | 1n 6 | 5s 6 | 16s17 | 10s38 | 10s27 | 22s25 | 9n35 | 5s30 |

Julian Day Number = 2128066.5, Delta T = 16m58s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'35, Lahiri = 11°30'35 Julian Calendar 1 May 1114 == Greg. Calendar 8 May 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## JUNE 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 1 18 | 15♊44'10 | 21♈ 8 | 27♉ 7 | 16♉43 | 4♊13 | 19♌26 | 15♈ 1 | 11♋23 | 6♍29 | 26♈ 2 | 2°R26 | 2♓58 | 19♏19 | 20♌19 | M 1 |
| T 2 | 17 5 14 | 16°41'23 | 5♉51 | 27°26 | 17°55 | 4°54 | 19°35 | 15° 6 | 11°27 | 6°30 | 26° 3 | 2♓20 | 2°55 | 19°26 | 20°24 | T 2 |
| W 3 | 17 9 11 | 17°38'36 | 20°52 | 27°48 | 19° 7 | 5°35 | 19°44 | 15°11 | 11°30 | 6°31 | 26° 4 | 2°11 | 2°52 | 19°32 | 20°29 | W 3 |
| T 4 | 17 13 7 | 18°35'49 | 6♊ 0 | 28°16 | 20°19 | 6°16 | 19°52 | 15°15 | 11°34 | 6°31 | 26° 4 | 2° 2 | 2°49 | 19°39 | 20°35 | T 4 |
| F 5 | 17 17 4 | 19°33'02 | 21° 8 | 28°48 | 21°31 | 6°57 | 20° 2 | 15°20 | 11°37 | 6°32 | 26° 5 | 1°51 | 2°46 | 19°46 | 20°40 | F 5 |
| S 6 | 17 21 0 | 20°30'15 | 6♋ 3 | 29°24 | 22°43 | 7°39 | 20°11 | 15°25 | 11°41 | 6°33 | 26° 6 | 1°42 | 2°42 | 19°52 | 20°46 | S 6 |
| S 7 | 17 24 57 | 21°27'27 | 20°38 | 0♊ 5 | 23°55 | 8°20 | 20°20 | 15°29 | 11°44 | 6°34 | 26° 7 | 1°35 | 2°39 | 19°59 | 20°51 | S 7 |
| M 8 | 17 28 54 | 22°24'38 | 4♌47 | 0°51 | 25° 7 | 9° 1 | 20°29 | 15°34 | 11°47 | 6°35 | 26° 8 | 1°30 | 2°36 | 20° 6 | 20°57 | M 8 |
| T 9 | 17 32 50 | 23°21'50 | 18°27 | 1°41 | 26°19 | 9°41 | 20°39 | 15°38 | 11°51 | 6°36 | 26° 9 | 1°27 | 2°33 | 20°13 | 21° 2 | T 9 |
| W10 | 17 36 47 | 24°19'00 | 1♍40 | 2°35 | 27°31 | 10°22 | 20°48 | 15°42 | 11°55 | 6°37 | 26°10 | 1°D26 | 2°30 | 20°19 | 21° 8 | W10 |
| T 11 | 17 40 43 | 25°16'11 | 14°27 | 3°33 | 28°43 | 11° 3 | 20°58 | 15°47 | 11°58 | 6°37 | 26°10 | 1°27 | 2°26 | 20°26 | 21°14 | T 11 |
| F 12 | 17 44 40 | 26°13'21 | 26°53 | 4°35 | 29°56 | 11°44 | 21° 8 | 15°51 | 12° 2 | 6°38 | 26°11 | 1°R27 | 2°23 | 20°33 | 21°20 | F 12 |
| S 13 | 17 48 36 | 27°10'30 | 9♎ 4 | 5°42 | 1♊ 8 | 12°25 | 21°18 | 15°55 | 12° 5 | 6°39 | 26°12 | 1°26 | 2°20 | 20°39 | 21°26 | S 13 |
| S 14 | 17 52 33 | 28° 7'40 | 21° 3 | 6°52 | 2°20 | 13° 5 | 21°28 | 15°59 | 12° 9 | 6°40 | 26°13 | 1°24 | 2°17 | 20°46 | 21°32 | S 14 |
| M15 | 17 56 29 | 29° 4'49 | 2♏57 | 8° 7 | 3°32 | 13°46 | 21°38 | 16° 3 | 12°12 | 6°42 | 26°13 | 1°19 | 2°14 | 20°53 | 21°38 | M15 |
| T 16 | 18 0 26 | 0♋ 1'58 | 14°48 | 9°26 | 4°45 | 14°26 | 21°48 | 16° 7 | 12°16 | 6°43 | 26°14 | 1°12 | 2°11 | 21° 0 | 21°44 | T 16 |
| W17 | 18 4 23 | 0°59'07 | 26°41 | 10°48 | 5°57 | 15° 7 | 21°58 | 16°10 | 12°20 | 6°44 | 26°15 | 1° 2 | 2° 7 | 21° 6 | 21°50 | W17 |
| T 18 | 18 8 19 | 1°56'16 | 8♐38 | 12°14 | 7° 9 | 15°47 | 22° 8 | 16°14 | 12°23 | 6°45 | 26°15 | 0°52 | 2° 4 | 21°13 | 21°56 | T 18 |
| F 19 | 18 12 16 | 2°53'25 | 20°41 | 13°44 | 8°22 | 16°28 | 22°19 | 16°17 | 12°27 | 6°46 | 26°16 | 0°41 | 2° 1 | 21°20 | 22° 3 | F 19 |
| S 20 | 18 16 12 | 3°50'34 | 2♑52 | 15°18 | 9°34 | 17° 8 | 22°29 | 16°21 | 12°30 | 6°47 | 26°17 | 0°31 | 1°58 | 21°26 | 22° 9 | S 20 |
| S 21 | 18 20 9 | 4°47'44 | 15°11 | 16°56 | 10°46 | 17°49 | 22°40 | 16°24 | 12°34 | 6°48 | 26°17 | 0°23 | 1°55 | 21°33 | 22°16 | S 21 |
| M22 | 18 24 5 | 5°44'53 | 27°40 | 18°36 | 11°59 | 18°29 | 22°50 | 16°28 | 12°38 | 6°50 | 26°18 | 0°16 | 1°52 | 21°40 | 22°22 | M22 |
| T 23 | 18 28 2 | 6°42'03 | 10♒19 | 20°21 | 13°12 | 19° 9 | 23° 1 | 16°31 | 12°41 | 6°51 | 26°19 | 0°12 | 1°48 | 21°47 | 22°29 | T 23 |
| W24 | 18 31 59 | 7°39'14 | 23°10 | 22° 8 | 14°24 | 19°49 | 23°12 | 16°34 | 12°45 | 6°52 | 26°19 | 0°10 | 1°45 | 21°53 | 22°35 | W24 |
| T 25 | 18 35 55 | 8°36'25 | 6♓14 | 23°59 | 15°37 | 20°30 | 23°22 | 16°37 | 12°49 | 6°54 | 26°20 | 0°D10 | 1°42 | 22° 0 | 22°42 | T 25 |
| F 26 | 18 39 52 | 9°33'36 | 19°32 | 25°53 | 16°49 | 21°10 | 23°33 | 16°40 | 12°52 | 6°55 | 26°20 | 0°11 | 1°39 | 22° 7 | 22°49 | F 26 |
| S 27 | 18 43 48 | 10°30'48 | 3♈ 7 | 27°49 | 18° 2 | 21°50 | 23°44 | 16°43 | 12°56 | 6°56 | 26°21 | 0°12 | 1°36 | 22°14 | 22°56 | S 27 |
| S 28 | 18 47 45 | 11°28'01 | 17° 0 | 29°48 | 19°15 | 22°30 | 23°55 | 16°45 | 13° 0 | 6°58 | 26°21 | 0°R12 | 1°32 | 22°20 | 23° 3 | S 28 |
| M29 | 18 51 41 | 12°25'15 | 1♉10 | 1♋48 | 20°27 | 23°10 | 24° 7 | 16°48 | 13° 3 | 6°59 | 26°22 | 0°10 | 1°29 | 22°27 | 23° 9 | M29 |
| T 30 | 18 55 38 | 13♋22'30 | 15♉38 | 3♋51 | 21♊40 | 23♊50 | 24♌18 | 16♈50 | 13♋ 7 | 7♍ 1 | 26♈22 | 0♓ 7 | 1♓26 | 22♏34 | 23♌16 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n47 | 11n47 | 3n47 | 15n32 | 4s11 | 15n25 | 1s34 | 21n21 | 0n16 | 16n 5 | 1n 4 | 3n45 | 2s23 | 23n28 | 0n24 | 10n11 | 1n 6 | 5s 6 | 16s17 | 10s39 | 10s28 | 22s27 | 9n34 | 5s30 |
| T 2 | 22 53 | 17 47 | 4 30 | 15 39 | 4 8 | 15 47 | 1 32 | 21 30 | 0 17 | 16 2 | 1 4 | 3 46 | 2 23 | 23 28 | 0 24 | 10 11 | 1 5 | 5 6 | 16 18 | 10 42 | 10 29 | 22 29 | 9 33 | 5 29 |
| W 3 | 22 59 | 22 48 | 4 56 | 15 48 | 4 4 | 16 8 | 1 31 | 21 38 | 0 17 | 15 59 | 1 4 | 3 48 | 2 24 | 23 27 | 0 24 | 10 11 | 1 5 | 5 5 | 16 18 | 10 45 | 10 30 | 22 31 | 9 32 | 5 28 |
| T 4 | 23 4 | 26 21 | 5 1 | 15 58 | 4 0 | 16 29 | 1 29 | 21 45 | 0 18 | 15 56 | 1 4 | 3 50 | 2 24 | 23 27 | 0 24 | 10 10 | 1 5 | 5 5 | 16 18 | 10 48 | 10 31 | 22 33 | 9 31 | 5 28 |
| F 5 | 23 9 | 27 59 | 4 45 | 16 11 | 3 54 | 16 50 | 1 27 | 21 53 | 0 19 | 15 53 | 1 4 | 3 51 | 2 24 | 23 27 | 0 24 | 10 10 | 1 5 | 5 5 | 16 18 | 10 52 | 10 32 | 22 35 | 9 30 | 5 27 |
| S 6 | 23 13 | 27 34 | 4 9 | 16 25 | 3 48 | 17 10 | 1 25 | 22 0 | 0 19 | 15 50 | 1 4 | 3 53 | 2 24 | 23 27 | 0 24 | 10 10 | 1 5 | 5 5 | 16 19 | 10 55 | 10 34 | 22 37 | 9 29 | 5 27 |
| S 7 | 23 17 | 25 14 | 3 18 | 16 41 | 3 40 | 17 30 | 1 23 | 22 8 | 0 20 | 15 47 | 1 4 | 3 54 | 2 25 | 23 26 | 0 24 | 10 9 | 1 5 | 5 5 | 16 19 | 10 58 | 10 35 | 22 39 | 9 28 | 5 26 |
| M 8 | 23 20 | 21 22 | 2 17 | 16 58 | 3 32 | 17 49 | 1 21 | 22 15 | 0 20 | 15 44 | 1 4 | 3 56 | 2 25 | 23 26 | 0 24 | 10 9 | 1 5 | 5 5 | 16 19 | 11 0 | 10 36 | 22 41 | 9 27 | 5 25 |
| T 9 | 23 23 | 16 27 | 1 8 | 17 16 | 3 24 | 18 8 | 1 19 | 22 22 | 0 21 | 15 41 | 1 3 | 3 57 | 2 25 | 23 26 | 0 24 | 10 9 | 1 5 | 5 5 | 16 19 | 11 1 | 10 37 | 22 43 | 9 25 | 5 25 |
| W10 | 23 26 | 10 55 | 0s 1 | 17 36 | 3 15 | 18 27 | 1 17 | 22 28 | 0 22 | 15 38 | 1 3 | 3 59 | 2 25 | 23 25 | 0 24 | 10 8 | 1 5 | 5 5 | 16 20 | 11 1 | 10 38 | 22 45 | 9 24 | 5 24 |
| T 11 | 23 28 | 5 6 | 1 9 | 17 57 | 3 5 | 18 45 | 1 15 | 22 35 | 0 22 | 15 35 | 1 3 | 4 0 | 2 25 | 23 25 | 0 24 | 10 8 | 1 5 | 5 5 | 16 20 | 11 1 | 10 39 | 22 47 | 9 23 | 5 24 |
| F 12 | 23 30 | 0s46 | 2 11 | 18 18 | 2 54 | 19 2 | 1 13 | 22 41 | 0 23 | 15 31 | 1 3 | 4 1 | 2 26 | 23 25 | 0 24 | 10 8 | 1 5 | 5 5 | 16 20 | 11 1 | 10 40 | 22 49 | 9 22 | 5 23 |
| S 13 | 23 32 | 6 28 | 3 6 | 18 41 | 2 44 | 19 20 | 1 11 | 22 47 | 0 23 | 15 28 | 1 3 | 4 3 | 2 26 | 23 24 | 0 24 | 10 7 | 1 5 | 5 5 | 16 20 | 11 1 | 10 42 | 22 51 | 9 20 | 5 22 |
| S 14 | 23 33 | 11 50 | 3 52 | 19 4 | 2 32 | 19 36 | 1 9 | 22 53 | 0 24 | 15 25 | 1 3 | 4 4 | 2 26 | 23 24 | 0 24 | 10 7 | 1 5 | 5 5 | 16 21 | 11 2 | 10 43 | 22 53 | 9 19 | 5 22 |
| M15 | 23 33 | 16 44 | 4 28 | 19 27 | 2 21 | 19 52 | 1 7 | 22 58 | 0 25 | 15 21 | 1 3 | 4 5 | 2 26 | 23 24 | 0 24 | 10 6 | 1 5 | 5 5 | 16 21 | 11 4 | 10 44 | 22 55 | 9 18 | 5 21 |
| T 16 | 23 33 | 21 0 | 4 51 | 19 51 | 2 9 | 20 8 | 1 4 | 23 4 | 0 25 | 15 18 | 1 3 | 4 7 | 2 27 | 23 23 | 0 24 | 10 6 | 1 5 | 5 5 | 16 21 | 11 6 | 10 45 | 22 57 | 9 16 | 5 21 |
| W17 | 23 33 | 24 25 | 5 3 | 20 15 | 1 57 | 20 23 | 1 2 | 23 9 | 0 26 | 15 15 | 1 3 | 4 8 | 2 27 | 23 23 | 0 24 | 10 6 | 1 5 | 5 5 | 16 22 | 11 9 | 10 46 | 22 59 | 9 15 | 5 20 |
| T 18 | 23 33 | 26 48 | 5 1 | 20 39 | 1 44 | 20 38 | 1 0 | 23 14 | 0 26 | 15 11 | 1 3 | 4 9 | 2 27 | 23 23 | 0 24 | 10 5 | 1 5 | 5 5 | 16 22 | 11 13 | 10 47 | 23 1 | 9 13 | 5 20 |
| F 19 | 23 31 | 27 59 | 4 46 | 21 3 | 1 31 | 20 52 | 0 57 | 23 19 | 0 27 | 15 8 | 1 3 | 4 10 | 2 27 | 23 22 | 0 24 | 10 5 | 1 5 | 5 5 | 16 22 | 11 17 | 10 48 | 23 3 | 9 12 | 5 19 |
| S 20 | 23 30 | 27 49 | 4 17 | 21 26 | 1 19 | 21 5 | 0 55 | 23 23 | 0 28 | 15 4 | 1 3 | 4 11 | 2 28 | 23 22 | 0 24 | 10 4 | 1 5 | 5 5 | 16 22 | 11 21 | 10 50 | 23 5 | 9 10 | 5 19 |
| S 21 | 23 28 | 26 16 | 3 37 | 21 49 | 1 6 | 21 18 | 0 52 | 23 28 | 0 28 | 15 1 | 1 2 | 4 12 | 2 28 | 23 22 | 0 24 | 10 4 | 1 5 | 5 5 | 16 23 | 11 24 | 10 51 | 23 7 | 9 9 | 5 18 |
| M22 | 23 26 | 23 25 | 2 45 | 22 11 | 0 53 | 21 31 | 0 50 | 23 32 | 0 29 | 14 57 | 1 2 | 4 13 | 2 28 | 23 21 | 0 24 | 10 3 | 1 5 | 5 5 | 16 23 | 11 26 | 10 52 | 23 9 | 9 7 | 5 17 |
| T 23 | 23 23 | 19 25 | 1 44 | 22 32 | 0 41 | 21 42 | 0 48 | 23 36 | 0 29 | 14 54 | 1 2 | 4 14 | 2 29 | 23 21 | 0 24 | 10 3 | 1 5 | 5 5 | 16 23 | 11 27 | 10 53 | 23 11 | 9 5 | 5 17 |
| W24 | 23 20 | 14 27 | 0 38 | 22 51 | 0 28 | 21 54 | 0 45 | 23 40 | 0 30 | 14 50 | 1 2 | 4 15 | 2 29 | 23 21 | 0 24 | 10 2 | 1 5 | 5 5 | 16 24 | 11 28 | 10 54 | 23 13 | 9 4 | 5 16 |
| T 25 | 23 17 | 8 46 | 0n33 | 23 9 | 0 16 | 22 4 | 0 43 | 23 43 | 0 31 | 14 46 | 1 2 | 4 16 | 2 29 | 23 20 | 0 24 | 10 2 | 1 5 | 5 6 | 16 24 | 11 28 | 10 55 | 23 15 | 9 2 | 5 16 |
| F 26 | 23 13 | 2 36 | 1 42 | 23 26 | 0 4 | 22 14 | 0 40 | 23 47 | 0 31 | 14 43 | 1 2 | 4 17 | 2 29 | 23 20 | 0 24 | 10 1 | 1 5 | 5 6 | 16 24 | 11 28 | 10 56 | 23 17 | 9 0 | 5 15 |
| S 27 | 23 8 | 3n49 | 2 48 | 23 40 | 0n 8 | 22 24 | 0 37 | 23 50 | 0 32 | 14 39 | 1 2 | 4 18 | 2 30 | 23 20 | 0 24 | 10 1 | 1 5 | 5 6 | 16 24 | 11 27 | 10 58 | 23 19 | 8 59 | 5 15 |
| S 28 | 23 4 | 10 10 | 3 45 | 23 52 | 0 19 | 22 32 | 0 35 | 23 53 | 0 32 | 14 35 | 1 2 | 4 19 | 2 30 | 23 19 | 0 24 | 10 0 | 1 5 | 5 6 | 16 25 | 11 27 | 10 59 | 23 21 | 8 57 | 5 14 |
| M29 | 22 58 | 16 9 | 4 30 | 24 2 | 0 30 | 22 40 | 0 32 | 23 56 | 0 33 | 14 31 | 1 2 | 4 19 | 2 30 | 23 19 | 0 24 | 9 59 | 1 5 | 5 6 | 16 25 | 11 28 | 11 0 | 23 23 | 8 55 | 5 14 |
| T 30 | 22n53 | 21n21 | 4n58 | 24n10 | 0n40 | 22n48 | 0s30 | 23n58 | 0n34 | 14n28 | 1n 2 | 4n20 | 2s30 | 23n19 | 0n24 | 9n59 | 1n 5 | 5s 6 | 16s25 | 11s29 | 11s 1 | 23s25 | 8n53 | 5s14 |

Julian Day Number = 2128097.5, Delta T = 16m57s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'39, Lahiri = 11°30'40 Julian Calendar 1 June 1114 == Greg. Calendar 8 June 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## JULY 1114 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 59 34 | 14♋19'45 | 0♊18 | 5♋55 | 22♊53 | 24♊30 | 24♌29 | 16♈53 | 13♋11 | 7♍ 2 | 26♈22 | 0°R 2 | 1♓23 | 22♏40 | 23♌23 | W 1 |
| T 2 | 19 3 31 | 15°17'01 | 15° 5 | 8° 1 | 24° 6 | 25°10 | 24°40 | 16°55 | 13°14 | 7° 4 | 26°23 | 29♒56 | 1°20 | 22°47 | 23°31 | T 2 |
| F 3 | 19 7 28 | 16°14'19 | 29°52 | 10° 7 | 25°19 | 25°49 | 24°52 | 16°57 | 13°18 | 7° 5 | 26°23 | 29°49 | 1°17 | 22°54 | 23°38 | F 3 |
| S 4 | 19 11 24 | 17°11'36 | 14♋31 | 12°14 | 26°32 | 26°29 | 25° 3 | 17° 0 | 13°22 | 7° 7 | 26°24 | 29°43 | 1°13 | 23° 1 | 23°45 | S 4 |
| S 5 | 19 15 21 | 18° 8'55 | 28°54 | 14°21 | 27°45 | 27° 9 | 25°15 | 17° 2 | 13°25 | 7° 8 | 26°24 | 29°38 | 1°10 | 23° 7 | 23°52 | S 5 |
| M 6 | 19 19 17 | 19° 6'14 | 12♌56 | 16°29 | 28°58 | 27°49 | 25°26 | 17° 4 | 13°29 | 7°10 | 26°24 | 29°35 | 1° 7 | 23°14 | 23°59 | M 6 |
| T 7 | 19 23 14 | 20° 3'34 | 26°33 | 18°36 | 0♋11 | 28°28 | 25°38 | 17° 5 | 13°33 | 7°12 | 26°25 | 29°D34 | 1° 4 | 23°21 | 24° 7 | T 7 |
| W 8 | 19 27 10 | 21° 0'54 | 9♍46 | 20°42 | 1°24 | 29° 8 | 25°50 | 17° 7 | 13°36 | 7°13 | 26°25 | 29°34 | 1° 1 | 23°28 | 24°14 | W 8 |
| T 9 | 19 31 7 | 21°58'14 | 22°36 | 22°48 | 2°37 | 29°48 | 26° 1 | 17° 9 | 13°40 | 7°15 | 26°25 | 29°36 | 0°58 | 23°34 | 24°22 | T 9 |
| F 10 | 19 35 3 | 22°55'36 | 5♎ 5 | 24°53 | 3°50 | 0♋27 | 26°13 | 17°10 | 13°43 | 7°17 | 26°25 | 29°37 | 0°54 | 23°41 | 24°29 | F 10 |
| S 11 | 19 39 0 | 23°52'57 | 17°18 | 26°57 | 5° 3 | 1° 7 | 26°25 | 17°12 | 13°47 | 7°18 | 26°26 | 29°38 | 0°51 | 23°48 | 24°36 | S 11 |
| S 12 | 19 42 57 | 24°50'20 | 29°19 | 28°59 | 6°16 | 1°46 | 26°37 | 17°13 | 13°51 | 7°20 | 26°26 | 29°R38 | 0°48 | 23°54 | 24°44 | S 12 |
| M13 | 19 46 53 | 25°47'43 | 11♏14 | 1♌ 1 | 7°30 | 2°25 | 26°49 | 17°14 | 13°54 | 7°22 | 26°26 | 29°37 | 0°45 | 24° 1 | 24°52 | M13 |
| T 14 | 19 50 50 | 26°45'07 | 23° 7 | 3° 1 | 8°43 | 3° 5 | 27° 1 | 17°15 | 13°58 | 7°24 | 26°26 | 29°34 | 0°42 | 24° 8 | 24°59 | T 14 |
| W15 | 19 54 46 | 27°42'31 | 5♐ 2 | 5° 0 | 9°56 | 3°44 | 27°13 | 17°16 | 14° 1 | 7°25 | 26°26 | 29°30 | 0°38 | 24°15 | 25° 7 | W15 |
| T 16 | 19 58 43 | 28°39'57 | 17° 2 | 6°57 | 11°10 | 4°23 | 27°25 | 17°17 | 14° 5 | 7°27 | 26°26 | 29°26 | 0°35 | 24°21 | 25°15 | T 16 |
| F 17 | 20 2 39 | 29°37'23 | 29°12 | 8°53 | 12°23 | 5° 2 | 27°37 | 17°18 | 14° 9 | 7°29 | 26°26 | 29°21 | 0°32 | 24°28 | 25°22 | F 17 |
| S 18 | 20 6 36 | 0♌34'50 | 11♑32 | 10°47 | 13°36 | 5°42 | 27°49 | 17°19 | 14°12 | 7°31 | 26°27 | 29°16 | 0°29 | 24°35 | 25°30 | S 18 |
| S 19 | 20 10 32 | 1°32'19 | 24° 5 | 12°39 | 14°50 | 6°21 | 28° 2 | 17°19 | 14°16 | 7°33 | 26°27 | 29°12 | 0°26 | 24°41 | 25°38 | S 19 |
| M20 | 20 14 29 | 2°29'48 | 6♒51 | 14°31 | 16° 3 | 7° 0 | 28°14 | 17°20 | 14°19 | 7°35 | 26°27 | 29° 9 | 0°23 | 24°48 | 25°46 | M20 |
| T 21 | 20 18 26 | 3°27'18 | 19°49 | 16°20 | 17°17 | 7°39 | 28°26 | 17°20 | 14°23 | 7°37 | 26°R27 | 29° 7 | 0°19 | 24°55 | 25°54 | T 21 |
| W22 | 20 22 22 | 4°24'50 | 3♓ 1 | 18° 8 | 18°30 | 8°18 | 28°39 | 17°21 | 14°26 | 7°39 | 26°27 | 29°D 7 | 0°16 | 25° 2 | 26° 1 | W22 |
| T 23 | 20 26 19 | 5°22'23 | 16°26 | 19°55 | 19°44 | 8°57 | 28°51 | 17°21 | 14°30 | 7°40 | 26°27 | 29° 8 | 0°13 | 25° 8 | 26° 9 | T 23 |
| F 24 | 20 30 15 | 6°19'57 | 0♈ 2 | 21°40 | 20°57 | 9°36 | 29° 3 | 17°R21 | 14°33 | 7°42 | 26°27 | 29° 9 | 0°10 | 25°15 | 26°17 | F 24 |
| S 25 | 20 34 12 | 7°17'32 | 13°50 | 23°23 | 22°11 | 10°15 | 29°16 | 17°21 | 14°37 | 7°44 | 26°26 | 29°11 | 0° 7 | 25°22 | 26°25 | S 25 |
| S 26 | 20 38 8 | 8°15'10 | 27°49 | 25° 5 | 23°25 | 10°54 | 29°28 | 17°21 | 14°40 | 7°46 | 26°26 | 29°12 | 0° 3 | 25°29 | 26°33 | S 26 |
| M27 | 20 42 5 | 9°12'49 | 11♉57 | 26°46 | 24°39 | 11°32 | 29°41 | 17°20 | 14°44 | 7°48 | 26°26 | 29°R12 | 0° 0 | 25°35 | 26°41 | M27 |
| T 28 | 20 46 1 | 10°10'29 | 26°13 | 28°25 | 25°52 | 12°11 | 29°53 | 17°20 | 14°47 | 7°50 | 26°26 | 29°11 | 29♒57 | 25°42 | 26°49 | T 28 |
| W29 | 20 49 58 | 11° 8'12 | 10♊34 | 0♍ 3 | 27° 6 | 12°50 | 0♍ 6 | 17°20 | 14°50 | 7°52 | 26°26 | 29°10 | 29°54 | 25°49 | 26°57 | W29 |
| T 30 | 20 53 55 | 12° 5'56 | 24°57 | 1°39 | 28°20 | 13°29 | 0°19 | 17°19 | 14°54 | 7°54 | 26°26 | 29° 8 | 29°51 | 25°55 | 27° 6 | T 30 |
| F 31 | 20 57 51 | 13♌ 3'42 | 9♋17 | 3♍13 | 29♋34 | 14♋ 7 | 0♍31 | 17♈18 | 14♋57 | 7♍56 | 26♈26 | 29♒ 6 | 29♒48 | 26♏ 2 | 27♌14 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n47 | 25n19 | 5n 8 | 24n15 | 0n49 | 22n55 | 0s27 | 24n 1 | 0n34 | 14n24 | 1n 2 | 4n21 | 2s31 | 23n18 | 0n24 | 9n58 | 1n 5 | 5s 6 | 16s26 | 11s31 | 11s 2 | 23s27 | 8n51 | 5s13 |
| T 2 | 22 41 | 27 38 | 4 57 | 24 17 | 0 58 | 23 1 | 0 25 | 24 3 | 0 35 | 14 20 | 1 2 | 4 21 | 2 31 | 23 18 | 0 24 | 9 58 | 1 5 | 5 6 | 16 26 | 11 33 | 11 3 | 23 28 | 8 50 | 5 13 |
| F 3 | 22 34 | 28 0 | 4 27 | 24 17 | 1 7 | 23 6 | 0 22 | 24 5 | 0 35 | 14 16 | 1 2 | 4 22 | 2 31 | 23 17 | 0 24 | 9 57 | 1 5 | 5 7 | 16 26 | 11 36 | 11 4 | 23 30 | 8 48 | 5 12 |
| S 4 | 22 27 | 26 24 | 3 39 | 24 13 | 1 14 | 23 11 | 0 19 | 24 6 | 0 36 | 14 12 | 1 2 | 4 23 | 2 31 | 23 17 | 0 24 | 9 57 | 1 5 | 5 7 | 16 27 | 11 38 | 11 6 | 23 32 | 8 46 | 5 12 |
| S 5 | 22 19 | 23 4 | 2 38 | 24 7 | 1 21 | 23 15 | 0 17 | 24 8 | 0 36 | 14 8 | 1 2 | 4 23 | 2 32 | 23 17 | 0 24 | 9 56 | 1 5 | 5 7 | 16 27 | 11 39 | 11 7 | 23 34 | 8 44 | 5 11 |
| M 6 | 22 11 | 18 26 | 1 29 | 23 58 | 1 27 | 23 19 | 0 14 | 24 9 | 0 37 | 14 4 | 1 2 | 4 24 | 2 32 | 23 16 | 0 24 | 9 55 | 1 5 | 5 7 | 16 27 | 11 40 | 11 8 | 23 36 | 8 42 | 5 11 |
| T 7 | 22 3 | 12 59 | 0 16 | 23 47 | 1 32 | 23 22 | 0 12 | 24 10 | 0 38 | 14 0 | 1 2 | 4 24 | 2 32 | 23 16 | 0 24 | 9 55 | 1 5 | 5 7 | 16 28 | 11 41 | 11 9 | 23 38 | 8 40 | 5 10 |
| W 8 | 21 54 | 7 5 | 0s55 | 23 32 | 1 36 | 23 24 | 0 9 | 24 11 | 0 38 | 13 56 | 1 2 | 4 24 | 2 33 | 23 16 | 0 24 | 9 54 | 1 5 | 5 7 | 16 28 | 11 41 | 11 10 | 23 40 | 8 38 | 5 10 |
| T 9 | 21 45 | 1 5 | 2 2 | 23 16 | 1 40 | 23 25 | 0 6 | 24 12 | 0 39 | 13 52 | 1 2 | 4 25 | 2 33 | 23 15 | 0 24 | 9 53 | 1 5 | 5 8 | 16 28 | 11 40 | 11 11 | 23 41 | 8 36 | 5 10 |
| F 10 | 21 36 | 4s48 | 3 1 | 22 57 | 1 43 | 23 26 | 0 4 | 24 13 | 0 39 | 13 48 | 1 1 | 4 25 | 2 33 | 23 15 | 0 24 | 9 53 | 1 5 | 5 8 | 16 29 | 11 40 | 11 12 | 23 43 | 8 34 | 5 9 |
| S 11 | 21 26 | 10 22 | 3 51 | 22 35 | 1 45 | 23 26 | 0 1 | 24 13 | 0 40 | 13 44 | 1 1 | 4 25 | 2 33 | 23 15 | 0 24 | 9 52 | 1 5 | 5 8 | 16 29 | 11 39 | 11 13 | 23 45 | 8 32 | 5 9 |
| S 12 | 21 16 | 15 29 | 4 29 | 22 12 | 1 47 | 23 26 | 0n 1 | 24 13 | 0 40 | 13 40 | 1 1 | 4 26 | 2 34 | 23 14 | 0 24 | 9 51 | 1 5 | 5 8 | 16 29 | 11 39 | 11 15 | 23 47 | 8 30 | 5 8 |
| M13 | 21 5 | 19 57 | 4 56 | 21 47 | 1 47 | 23 25 | 0 4 | 24 13 | 0 41 | 13 36 | 1 1 | 4 26 | 2 34 | 23 14 | 0 24 | 9 51 | 1 5 | 5 9 | 16 30 | 11 40 | 11 16 | 23 49 | 8 27 | 5 8 |
| T 14 | 20 54 | 23 38 | 5 10 | 21 19 | 1 47 | 23 23 | 0 6 | 24 13 | 0 42 | 13 32 | 1 1 | 4 26 | 2 34 | 23 14 | 0 24 | 9 50 | 1 5 | 5 9 | 16 30 | 11 41 | 11 17 | 23 51 | 8 25 | 5 8 |
| W15 | 20 43 | 26 19 | 5 10 | 20 50 | 1 47 | 23 20 | 0 9 | 24 12 | 0 42 | 13 27 | 1 1 | 4 26 | 2 35 | 23 13 | 0 24 | 9 49 | 1 5 | 5 9 | 16 30 | 11 42 | 11 18 | 23 52 | 8 23 | 5 7 |
| T 16 | 20 32 | 27 51 | 4 57 | 20 20 | 1 46 | 23 17 | 0 12 | 24 12 | 0 43 | 13 23 | 1 1 | 4 26 | 2 35 | 23 13 | 0 24 | 9 49 | 1 5 | 5 9 | 16 31 | 11 44 | 11 19 | 23 54 | 8 21 | 5 7 |
| F 17 | 20 20 | 28 4 | 4 31 | 19 48 | 1 44 | 23 13 | 0 14 | 24 11 | 0 43 | 13 19 | 1 1 | 4 26 | 2 35 | 23 12 | 0 24 | 9 48 | 1 5 | 5 10 | 16 31 | 11 45 | 11 20 | 23 56 | 8 19 | 5 7 |
| S 18 | 20 7 | 26 54 | 3 51 | 19 15 | 1 42 | 23 8 | 0 16 | 24 10 | 0 44 | 13 15 | 1 1 | 4 26 | 2 35 | 23 12 | 0 25 | 9 47 | 1 5 | 5 10 | 16 31 | 11 47 | 11 21 | 23 58 | 8 16 | 5 6 |
| S 19 | 19 55 | 24 21 | 3 0 | 18 40 | 1 39 | 23 2 | 0 19 | 24 8 | 0 44 | 13 10 | 1 1 | 4 26 | 2 36 | 23 12 | 0 25 | 9 47 | 1 5 | 5 10 | 16 32 | 11 49 | 11 22 | 24 0 | 8 14 | 5 6 |
| M20 | 19 42 | 20 34 | 1 59 | 18 5 | 1 36 | 22 56 | 0 21 | 24 7 | 0 45 | 13 6 | 1 1 | 4 26 | 2 36 | 23 11 | 0 25 | 9 46 | 1 5 | 5 11 | 16 32 | 11 50 | 11 24 | 24 1 | 8 12 | 5 6 |
| T 21 | 19 29 | 15 45 | 0 51 | 17 28 | 1 32 | 22 50 | 0 24 | 24 5 | 0 45 | 13 2 | 1 1 | 4 26 | 2 36 | 23 11 | 0 25 | 9 45 | 1 5 | 5 11 | 16 32 | 11 50 | 11 25 | 24 3 | 8 10 | 5 5 |
| W22 | 19 15 | 10 7 | 0n21 | 16 51 | 1 27 | 22 42 | 0 26 | 24 4 | 0 46 | 12 58 | 1 1 | 4 26 | 2 37 | 23 11 | 0 25 | 9 44 | 1 5 | 5 11 | 16 32 | 11 50 | 11 26 | 24 5 | 8 7 | 5 5 |
| T 23 | 19 1 | 3 57 | 1 34 | 16 13 | 1 23 | 22 34 | 0 29 | 24 2 | 0 47 | 12 53 | 1 1 | 4 26 | 2 37 | 23 10 | 0 25 | 9 44 | 1 5 | 5 11 | 16 33 | 11 50 | 11 27 | 24 7 | 8 5 | 5 5 |
| F 24 | 18 47 | 2n29 | 2 42 | 15 35 | 1 18 | 22 25 | 0 31 | 23 59 | 0 47 | 12 49 | 1 1 | 4 26 | 2 37 | 23 10 | 0 25 | 9 43 | 1 4 | 5 12 | 16 33 | 11 49 | 11 28 | 24 8 | 8 2 | 5 4 |
| S 25 | 18 32 | 8 53 | 3 42 | 14 56 | 1 12 | 22 16 | 0 33 | 23 57 | 0 48 | 12 44 | 1 1 | 4 25 | 2 37 | 23 10 | 0 25 | 9 42 | 1 4 | 5 12 | 16 33 | 11 49 | 11 29 | 24 10 | 8 0 | 5 4 |
| S 26 | 18 17 | 14 56 | 4 29 | 14 16 | 1 6 | 22 6 | 0 35 | 23 54 | 0 48 | 12 40 | 1 1 | 4 25 | 2 38 | 23 9 | 0 25 | 9 42 | 1 4 | 5 12 | 16 34 | 11 49 | 11 30 | 24 12 | 7 58 | 5 4 |
| M27 | 18 2 | 20 16 | 5 1 | 13 36 | 1 0 | 21 55 | 0 38 | 23 52 | 0 49 | 12 36 | 1 1 | 4 25 | 2 38 | 23 9 | 0 25 | 9 41 | 1 4 | 5 13 | 16 34 | 11 49 | 11 31 | 24 14 | 7 55 | 5 4 |
| T 28 | 17 47 | 24 29 | 5 15 | 12 55 | 0 54 | 21 44 | 0 40 | 23 49 | 0 49 | 12 31 | 1 1 | 4 24 | 2 38 | 23 8 | 0 25 | 9 40 | 1 4 | 5 13 | 16 34 | 11 49 | 11 33 | 24 15 | 7 53 | 5 3 |
| W29 | 17 31 | 27 14 | 5 9 | 12 15 | 0 47 | 21 32 | 0 42 | 23 46 | 0 50 | 12 27 | 1 1 | 4 24 | 2 38 | 23 8 | 0 25 | 9 39 | 1 4 | 5 13 | 16 35 | 11 49 | 11 34 | 24 17 | 7 50 | 5 3 |
| T 30 | 17 15 | 28 11 | 4 44 | 11 34 | 0 40 | 21 19 | 0 44 | 23 42 | 0 50 | 12 22 | 1 1 | 4 23 | 2 39 | 23 8 | 0 25 | 9 38 | 1 4 | 5 14 | 16 35 | 11 50 | 11 35 | 24 19 | 7 48 | 5 3 |
| F 31 | 16n59 | 27n14 | 4n 1 | 10n53 | 0n33 | 21n 6 | 0n46 | 23n39 | 0n51 | 12n18 | 1n 1 | 4n23 | 2s39 | 23n 7 | 0n25 | 9n38 | 1n 4 | 5s14 | 16s35 | 11s51 | 11s36 | 24s20 | 7n45 | 5s 2 |

Julian Day Number = 2128127.5, Delta T = 16m57s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'43, Lahiri = 11°30'44 Julian Calendar 1 July 1114 == Greg. Calendar 8 July 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## AUGUST 1114 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 1 48 | 14♌ 1'29 | 23♋29 | 4♍47 | 0♌48 | 14♋46 | 0♍44 | 17°R18 | 15♋ 0 | 7♍59 | 26°R25 | 29°R 4 | 29♒44 | 26♏ 9 | 27♌22 | S 1 |
| S 2 | 21 5 44 | 14°59'18 | 7♌29 | 6°19 | 2° 2 | 15°24 | 0°57 | 17♈17 | 15° 4 | 8° 1 | 26♈25 | 29♒ 2 | 29°41 | 26°16 | 27°30 | S 2 |
| M 3 | 21 9 41 | 15°57'08 | 21°13 | 7°49 | 3°16 | 16° 3 | 1°10 | 17°16 | 15° 7 | 8° 3 | 26°25 | 29° 2 | 29°38 | 26°22 | 27°38 | M 3 |
| T 4 | 21 13 37 | 16°55'00 | 4♍39 | 9°18 | 4°30 | 16°41 | 1°22 | 17°15 | 15°10 | 8° 5 | 26°25 | 29°D 2 | 29°35 | 26°29 | 27°46 | T 4 |
| W 5 | 21 17 34 | 17°52'53 | 17°45 | 10°45 | 5°44 | 17°20 | 1°35 | 17°13 | 15°13 | 8° 7 | 26°24 | 29° 2 | 29°32 | 26°36 | 27°55 | W 5 |
| T 6 | 21 21 30 | 18°50'47 | 0♎31 | 12°11 | 6°58 | 17°58 | 1°48 | 17°12 | 15°17 | 8° 9 | 26°24 | 29° 3 | 29°29 | 26°43 | 28° 3 | T 6 |
| F 7 | 21 25 27 | 19°48'43 | 13° 0 | 13°36 | 8°12 | 18°37 | 2° 1 | 17°11 | 15°20 | 8°11 | 26°24 | 29° 4 | 29°25 | 26°49 | 28°11 | F 7 |
| S 8 | 21 29 24 | 20°46'40 | 25°14 | 14°59 | 9°26 | 19°15 | 2°14 | 17° 9 | 15°23 | 8°13 | 26°23 | 29° 5 | 29°22 | 26°56 | 28°19 | S 8 |
| S 9 | 21 33 20 | 21°44'39 | 7♏17 | 16°20 | 10°40 | 19°53 | 2°27 | 17° 8 | 15°26 | 8°15 | 26°23 | 29° 5 | 29°19 | 27° 3 | 28°28 | S 9 |
| M10 | 21 37 17 | 22°42'39 | 19°13 | 17°40 | 11°54 | 20°31 | 2°39 | 17° 6 | 15°29 | 8°18 | 26°22 | 29°R 6 | 29°16 | 27° 9 | 28°36 | M10 |
| T 11 | 21 41 13 | 23°40'41 | 1♐ 6 | 18°58 | 13° 8 | 21°10 | 2°52 | 17° 4 | 15°32 | 8°20 | 26°22 | 29° 5 | 29°13 | 27°16 | 28°44 | T 11 |
| W12 | 21 45 10 | 24°38'44 | 13° 1 | 20°14 | 14°23 | 21°48 | 3° 5 | 17° 2 | 15°35 | 8°22 | 26°22 | 29° 5 | 29° 9 | 27°23 | 28°52 | W12 |
| T 13 | 21 49 6 | 25°36'48 | 25° 4 | 21°29 | 15°37 | 22°26 | 3°18 | 17° 0 | 15°38 | 8°24 | 26°21 | 29° 5 | 29° 6 | 27°30 | 29° 1 | T 13 |
| F 14 | 21 53 3 | 26°34'54 | 7♑16 | 22°42 | 16°51 | 23° 4 | 3°31 | 16°58 | 15°41 | 8°26 | 26°21 | 29° 4 | 29° 3 | 27°36 | 29° 9 | F 14 |
| S 15 | 21 56 59 | 27°33'02 | 19°43 | 23°53 | 18° 5 | 23°42 | 3°44 | 16°56 | 15°44 | 8°29 | 26°20 | 29° 4 | 29° 0 | 27°43 | 29°17 | S 15 |
| S 16 | 22 0 56 | 28°31'11 | 2♒26 | 25° 2 | 19°20 | 24°20 | 3°57 | 16°54 | 15°47 | 8°31 | 26°20 | 29° 4 | 28°57 | 27°50 | 29°26 | S 16 |
| M17 | 22 4 53 | 29°29'21 | 15°27 | 26° 9 | 20°34 | 24°58 | 4°10 | 16°51 | 15°50 | 8°33 | 26°19 | 29°D 4 | 28°54 | 27°56 | 29°34 | M17 |
| T 18 | 22 8 49 | 0♍27'33 | 28°47 | 27°13 | 21°49 | 25°36 | 4°23 | 16°49 | 15°53 | 8°35 | 26°19 | 29°R 4 | 28°50 | 28° 3 | 29°42 | T 18 |
| W19 | 22 12 46 | 1°25'47 | 12♓23 | 28°16 | 23° 3 | 26°14 | 4°36 | 16°46 | 15°56 | 8°37 | 26°18 | 29° 4 | 28°47 | 28°10 | 29°51 | W19 |
| T 20 | 22 16 42 | 2°24'03 | 26°14 | 29°16 | 24°17 | 26°52 | 4°49 | 16°44 | 15°59 | 8°40 | 26°17 | 29° 4 | 28°44 | 28°17 | 29°59 | T 20 |
| F 21 | 22 20 39 | 3°22'21 | 10♈17 | 0♎13 | 25°32 | 27°29 | 5° 2 | 16°41 | 16° 1 | 8°42 | 26°17 | 29° 4 | 28°41 | 28°23 | 0♍ 7 | F 21 |
| S 22 | 22 24 35 | 4°20'41 | 24°28 | 1° 8 | 26°46 | 28° 7 | 5°15 | 16°38 | 16° 4 | 8°44 | 26°16 | 29° 3 | 28°38 | 28°30 | 0°16 | S 22 |
| S 23 | 22 28 32 | 5°19'03 | 8♉44 | 1°59 | 28° 1 | 28°45 | 5°28 | 16°35 | 16° 7 | 8°46 | 26°16 | 29° 2 | 28°35 | 28°37 | 0°24 | S 23 |
| M24 | 22 32 28 | 6°17'27 | 23° 1 | 2°48 | 29°15 | 29°22 | 5°41 | 16°32 | 16°10 | 8°48 | 26°15 | 29° 2 | 28°31 | 28°44 | 0°32 | M24 |
| T 25 | 22 36 25 | 7°15'54 | 7♊16 | 3°33 | 0♍30 | 0♌ 0 | 5°54 | 16°29 | 16°12 | 8°51 | 26°14 | 29°D 2 | 28°28 | 28°50 | 0°40 | T 25 |
| W26 | 22 40 22 | 8°14'23 | 21°26 | 4°14 | 1°45 | 0°38 | 6° 7 | 16°26 | 16°15 | 8°53 | 26°14 | 29° 2 | 28°25 | 28°57 | 0°49 | W26 |
| T 27 | 22 44 18 | 9°12'54 | 5♋29 | 4°52 | 2°59 | 1°15 | 6°20 | 16°23 | 16°17 | 8°55 | 26°13 | 29° 3 | 28°22 | 29° 4 | 0°57 | T 27 |
| F 28 | 22 48 15 | 10°11'27 | 19°24 | 5°25 | 4°14 | 1°53 | 6°33 | 16°19 | 16°20 | 8°57 | 26°12 | 29° 3 | 28°19 | 29°10 | 1° 5 | F 28 |
| S 29 | 22 52 11 | 11°10'03 | 3♌ 9 | 5°53 | 5°29 | 2°30 | 6°46 | 16°16 | 16°22 | 9° 0 | 26°11 | 29° 4 | 28°15 | 29°17 | 1°14 | S 29 |
| S 30 | 22 56 8 | 12° 8'40 | 16°42 | 6°17 | 6°43 | 3° 8 | 6°59 | 16°13 | 16°25 | 9° 2 | 26°11 | 29° 5 | 28°12 | 29°24 | 1°22 | S 30 |
| M31 | 23 0 4 | 13♍ 7'20 | 0♍ 2 | 6♎36 | 7♍58 | 3♌45 | 7♍12 | 16♈ 9 | 16♋27 | 9♍ 4 | 26♈10 | 29°R 5 | 28♒ 9 | 29♏31 | 1♍30 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n42 | 24n31 | 3n 4 | 10n12 | 0n25 | 20n52 | 0n48 | 23n35 | 0n52 | 12n13 | 1n 1 | 4n22 | 2s39 | 23n 7 | 0n25 | 9n37 | 1n 4 | 5s15 | 16s36 | 11s51 | 11s37 | 24s22 | 7n43 | 5s 2 |
| S 2 | 16 25 | 20 22 | 1 56 | 9 31 | 0 18 | 20 37 | 0 50 | 23 31 | 0 52 | 12 9 | 1 1 | 4 22 | 2 40 | 23 7 | 0 25 | 9 36 | 1 4 | 5 15 | 16 36 | 11 52 | 11 38 | 24 24 | 7 40 | 5 2 |
| M 3 | 16 8 | 15 10 | 0 43 | 8 50 | 0 10 | 20 22 | 0 52 | 23 27 | 0 53 | 12 4 | 1 1 | 4 21 | 2 40 | 23 6 | 0 25 | 9 35 | 1 4 | 5 15 | 16 36 | 11 52 | 11 39 | 24 26 | 7 38 | 5 2 |
| T 4 | 15 51 | 9 22 | 0s31 | 8 9 | 0 2 | 20 6 | 0 54 | 23 23 | 0 53 | 11 59 | 1 1 | 4 20 | 2 40 | 23 6 | 0 25 | 9 35 | 1 4 | 5 16 | 16 37 | 11 52 | 11 40 | 24 27 | 7 35 | 5 2 |
| W 5 | 15 33 | 3 18 | 1 42 | 7 28 | 0s 6 | 19 50 | 0 56 | 23 19 | 0 54 | 11 55 | 1 1 | 4 20 | 2 40 | 23 6 | 0 25 | 9 34 | 1 4 | 5 16 | 16 37 | 11 52 | 11 42 | 24 29 | 7 33 | 5 1 |
| T 6 | 15 15 | 2s44 | 2 46 | 6 48 | 0 15 | 19 33 | 0 58 | 23 14 | 0 54 | 11 50 | 1 1 | 4 19 | 2 41 | 23 5 | 0 25 | 9 33 | 1 4 | 5 16 | 16 37 | 11 52 | 11 43 | 24 31 | 7 30 | 5 1 |
| F 7 | 14 57 | 8 32 | 3 40 | 6 7 | 0 23 | 19 16 | 0 59 | 23 10 | 0 55 | 11 46 | 1 1 | 4 18 | 2 41 | 23 5 | 0 25 | 9 32 | 1 4 | 5 17 | 16 37 | 11 51 | 11 44 | 24 32 | 7 27 | 5 1 |
| S 8 | 14 38 | 13 53 | 4 23 | 5 27 | 0 32 | 18 58 | 1 1 | 23 5 | 0 55 | 11 41 | 1 1 | 4 17 | 2 41 | 23 5 | 0 25 | 9 31 | 1 4 | 5 17 | 16 38 | 11 51 | 11 45 | 24 34 | 7 25 | 5 1 |
| S 9 | 14 20 | 18 38 | 4 54 | 4 47 | 0 41 | 18 39 | 1 3 | 23 0 | 0 56 | 11 36 | 1 1 | 4 16 | 2 41 | 23 4 | 0 25 | 9 30 | 1 4 | 5 18 | 16 38 | 11 51 | 11 46 | 24 35 | 7 22 | 5 1 |
| M10 | 14 1 | 22 36 | 5 12 | 4 8 | 0 50 | 18 20 | 1 4 | 22 55 | 0 56 | 11 32 | 1 1 | 4 16 | 2 42 | 23 4 | 0 25 | 9 30 | 1 4 | 5 18 | 16 38 | 11 51 | 11 47 | 24 37 | 7 19 | 5 0 |
| T 11 | 13 42 | 25 38 | 5 16 | 3 29 | 0 59 | 18 0 | 1 6 | 22 49 | 0 57 | 11 27 | 1 1 | 4 15 | 2 42 | 23 4 | 0 25 | 9 29 | 1 4 | 5 18 | 16 39 | 11 51 | 11 48 | 24 39 | 7 17 | 5 0 |
| W12 | 13 22 | 27 33 | 5 7 | 2 51 | 1 8 | 17 40 | 1 7 | 22 44 | 0 57 | 11 22 | 1 1 | 4 14 | 2 42 | 23 3 | 0 25 | 9 28 | 1 4 | 5 19 | 16 39 | 11 51 | 11 49 | 24 40 | 7 14 | 5 0 |
| T 13 | 13 3 | 28 12 | 4 45 | 2 13 | 1 17 | 17 20 | 1 9 | 22 38 | 0 58 | 11 18 | 1 1 | 4 13 | 2 42 | 23 3 | 0 25 | 9 27 | 1 4 | 5 19 | 16 39 | 11 51 | 11 50 | 24 42 | 7 11 | 5 0 |
| F 14 | 12 43 | 27 30 | 4 9 | 1 36 | 1 26 | 16 58 | 1 10 | 22 32 | 0 59 | 11 13 | 1 1 | 4 12 | 2 43 | 23 3 | 0 25 | 9 26 | 1 4 | 5 20 | 16 40 | 11 51 | 11 52 | 24 44 | 7 9 | 5 0 |
| S 15 | 12 23 | 25 25 | 3 21 | 0 59 | 1 35 | 16 37 | 1 11 | 22 26 | 0 59 | 11 8 | 1 1 | 4 11 | 2 43 | 23 2 | 0 25 | 9 26 | 1 4 | 5 20 | 16 40 | 11 51 | 11 53 | 24 45 | 7 6 | 5 0 |
| S 16 | 12 3 | 22 1 | 2 22 | 0 24 | 1 44 | 16 15 | 1 13 | 22 20 | 1 0 | 11 4 | 1 1 | 4 10 | 2 43 | 23 2 | 0 25 | 9 25 | 1 4 | 5 21 | 16 40 | 11 51 | 11 54 | 24 47 | 7 3 | 4 59 |
| M17 | 11 42 | 17 28 | 1 15 | 0s11 | 1 53 | 15 52 | 1 14 | 22 14 | 1 0 | 10 59 | 1 1 | 4 8 | 2 43 | 23 2 | 0 25 | 9 24 | 1 4 | 5 21 | 16 40 | 11 51 | 11 55 | 24 48 | 7 0 | 4 59 |
| T 18 | 11 22 | 11 59 | 0 2 | 0 45 | 2 2 | 15 29 | 1 15 | 22 7 | 1 1 | 10 54 | 1 1 | 4 7 | 2 44 | 23 1 | 0 25 | 9 23 | 1 4 | 5 21 | 16 41 | 11 51 | 11 56 | 24 50 | 6 58 | 4 59 |
| W19 | 11 1 | 5 49 | 1n13 | 1 18 | 2 11 | 15 6 | 1 16 | 22 1 | 1 1 | 10 49 | 1 1 | 4 6 | 2 44 | 23 1 | 0 25 | 9 22 | 1 4 | 5 22 | 16 41 | 11 51 | 11 57 | 24 51 | 6 55 | 4 59 |
| T 20 | 10 40 | 0n43 | 2 25 | 1 50 | 2 20 | 14 42 | 1 17 | 21 54 | 1 2 | 10 45 | 1 1 | 4 5 | 2 44 | 23 1 | 0 25 | 9 21 | 1 4 | 5 22 | 16 41 | 11 51 | 11 58 | 24 53 | 6 52 | 4 59 |
| F 21 | 10 19 | 7 17 | 3 29 | 2 21 | 2 29 | 14 18 | 1 18 | 21 47 | 1 2 | 10 40 | 1 2 | 4 4 | 2 44 | 23 0 | 0 25 | 9 21 | 1 4 | 5 23 | 16 41 | 11 51 | 11 59 | 24 55 | 6 49 | 4 59 |
| S 22 | 9 58 | 13 34 | 4 21 | 2 51 | 2 37 | 13 53 | 1 19 | 21 40 | 1 3 | 10 35 | 1 2 | 4 2 | 2 45 | 23 0 | 0 25 | 9 20 | 1 4 | 5 23 | 16 42 | 11 52 | 12 0 | 24 56 | 6 46 | 4 59 |
| S 23 | 9 36 | 19 10 | 4 57 | 3 19 | 2 45 | 13 28 | 1 20 | 21 33 | 1 3 | 10 30 | 1 2 | 4 1 | 2 45 | 23 0 | 0 25 | 9 19 | 1 4 | 5 24 | 16 42 | 11 52 | 12 2 | 24 58 | 6 44 | 4 59 |
| M24 | 9 15 | 23 41 | 5 15 | 3 46 | 2 54 | 13 3 | 1 21 | 21 25 | 1 4 | 10 26 | 1 2 | 4 0 | 2 45 | 22 59 | 0 25 | 9 18 | 1 4 | 5 24 | 16 42 | 11 52 | 12 3 | 24 59 | 6 41 | 4 59 |
| T 25 | 8 53 | 26 46 | 5 13 | 4 11 | 3 2 | 12 37 | 1 21 | 21 18 | 1 4 | 10 21 | 1 2 | 3 58 | 2 45 | 22 59 | 0 25 | 9 17 | 1 4 | 5 25 | 16 42 | 11 52 | 12 4 | 25 1 | 6 38 | 4 58 |
| W26 | 8 31 | 28 9 | 4 53 | 4 35 | 3 9 | 12 11 | 1 22 | 21 10 | 1 5 | 10 16 | 1 2 | 3 57 | 2 45 | 22 59 | 0 25 | 9 16 | 1 4 | 5 25 | 16 43 | 11 52 | 12 5 | 25 2 | 6 35 | 4 58 |
| T 27 | 8 9 | 27 41 | 4 15 | 4 56 | 3 16 | 11 45 | 1 23 | 21 3 | 1 5 | 10 11 | 1 2 | 3 55 | 2 46 | 22 59 | 0 25 | 9 16 | 1 5 | 5 26 | 16 43 | 11 52 | 12 6 | 25 4 | 6 32 | 4 58 |
| F 28 | 7 47 | 25 29 | 3 22 | 5 16 | 3 23 | 11 18 | 1 23 | 20 55 | 1 6 | 10 6 | 1 2 | 3 54 | 2 46 | 22 58 | 0 25 | 9 15 | 1 5 | 5 26 | 16 43 | 11 51 | 12 7 | 25 5 | 6 29 | 4 58 |
| S 29 | 7 25 | 21 48 | 2 19 | 5 33 | 3 29 | 10 51 | 1 24 | 20 47 | 1 7 | 10 2 | 1 2 | 3 53 | 2 46 | 22 58 | 0 25 | 9 14 | 1 5 | 5 27 | 16 43 | 11 51 | 12 8 | 25 7 | 6 27 | 4 58 |
| S 30 | 7 2 | 16 59 | 1 8 | 5 48 | 3 35 | 10 23 | 1 24 | 20 38 | 1 7 | 9 57 | 1 2 | 3 51 | 2 46 | 22 58 | 0 25 | 9 13 | 1 5 | 5 27 | 16 44 | 11 51 | 12 9 | 25 8 | 6 24 | 4 58 |
| M31 | 6n40 | 11n26 | 0s 5 | 6s 0 | 3s40 | 9n56 | 1n24 | 20n30 | 1n 8 | 9n52 | 1n 2 | 3n49 | 2s46 | 22n57 | 0n25 | 9n12 | 1n 5 | 5s28 | 16s44 | 11s51 | 12s10 | 25s10 | 6n21 | 4s58 |

Julian Day Number = 2128158.5, Delta T = 16m57s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'47, Lahiri = 11°30'48 Julian Calendar 1 Aug. 1114 == Greg. Calendar 8 Aug. 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## SEPTEMBER 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 4 1 | 14♍ 6'01 | 13♍ 8 | 6♎49 | 9♍13 | 4♌22 | 7♍25 | 16°R 5 | 16♋29 | 9♍ 6 | 26°R 9 | 29°R 5 | 28♒ 6 | 29♏37 | 1♍38 | T 1 |
| W 2 | 23 7 57 | 15° 4'45 | 25°59 | 6°56 | 10°28 | 5° 0 | 7°38 | 16♈ 2 | 16°32 | 9° 9 | 26♈ 8 | 29♒ 4 | 28° 3 | 29°44 | 1°47 | W 2 |
| T 3 | 23 11 54 | 16° 3'30 | 8♎36 | 6°R56 | 11°42 | 5°37 | 7°51 | 15°58 | 16°34 | 9°11 | 26° 7 | 29° 2 | 28° 0 | 29°51 | 1°55 | T 3 |
| F 4 | 23 15 51 | 17° 2'18 | 21° 0 | 6°50 | 12°57 | 6°14 | 8° 4 | 15°54 | 16°36 | 9°13 | 26° 7 | 28°59 | 27°56 | 29°58 | 2° 3 | F 4 |
| S 5 | 23 19 47 | 18° 1'07 | 3♏11 | 6°37 | 14°12 | 6°51 | 8°17 | 15°50 | 16°38 | 9°15 | 26° 6 | 28°56 | 27°53 | 0♐ 4 | 2°11 | S 5 |
| S 6 | 23 23 44 | 18°59'59 | 15°13 | 6°17 | 15°27 | 7°28 | 8°30 | 15°46 | 16°41 | 9°17 | 26° 5 | 28°53 | 27°50 | 0°11 | 2°19 | S 6 |
| M 7 | 23 27 40 | 19°58'52 | 27° 8 | 5°49 | 16°42 | 8° 5 | 8°43 | 15°42 | 16°43 | 9°20 | 26° 4 | 28°51 | 27°47 | 0°18 | 2°27 | M 7 |
| T 8 | 23 31 37 | 20°57'47 | 9♐ 0 | 5°14 | 17°57 | 8°42 | 8°56 | 15°38 | 16°45 | 9°22 | 26° 3 | 28°49 | 27°44 | 0°24 | 2°36 | T 8 |
| W 9 | 23 35 33 | 21°56'43 | 20°54 | 4°31 | 19°12 | 9°19 | 9° 8 | 15°34 | 16°47 | 9°24 | 26° 2 | 28°D49 | 27°41 | 0°31 | 2°44 | W 9 |
| T 10 | 23 39 30 | 22°55'42 | 2♑54 | 3°42 | 20°27 | 9°56 | 9°21 | 15°30 | 16°49 | 9°26 | 26° 1 | 28°49 | 27°37 | 0°38 | 2°52 | T 10 |
| F 11 | 23 43 26 | 23°54'42 | 15° 6 | 2°46 | 21°41 | 10°33 | 9°34 | 15°25 | 16°51 | 9°28 | 26° 0 | 28°50 | 27°34 | 0°45 | 3° 0 | F 11 |
| S 12 | 23 47 23 | 24°53'45 | 27°33 | 1°45 | 22°56 | 11°10 | 9°47 | 15°21 | 16°53 | 9°31 | 25°59 | 28°52 | 27°31 | 0°51 | 3° 8 | S 12 |
| S 13 | 23 51 20 | 25°52'49 | 10♒20 | 0°40 | 24°11 | 11°47 | 10° 0 | 15°17 | 16°54 | 9°33 | 25°59 | 28°53 | 27°28 | 0°58 | 3°16 | S 13 |
| M14 | 23 55 16 | 26°51'54 | 23°30 | 29♍32 | 25°26 | 12°23 | 10°12 | 15°12 | 16°56 | 9°35 | 25°58 | 28°R54 | 27°25 | 1° 5 | 3°24 | M14 |
| T 15 | 23 59 13 | 27°51'02 | 7♓ 3 | 28°22 | 26°41 | 13° 0 | 10°25 | 15° 8 | 16°58 | 9°37 | 25°57 | 28°54 | 27°21 | 1°11 | 3°32 | T 15 |
| W16 | 0 3 9 | 28°50'12 | 20°59 | 27°13 | 27°56 | 13°37 | 10°38 | 15° 3 | 17° 0 | 9°39 | 25°56 | 28°53 | 27°18 | 1°18 | 3°39 | W16 |
| T 17 | 0 7 6 | 29°49'23 | 5♈15 | 26° 6 | 29°11 | 14°13 | 10°50 | 14°59 | 17° 1 | 9°41 | 25°55 | 28°50 | 27°15 | 1°25 | 3°47 | T 17 |
| F 18 | 0 11 2 | 0♎48'37 | 19°47 | 25° 4 | 0♎26 | 14°50 | 11° 3 | 14°54 | 17° 3 | 9°43 | 25°54 | 28°45 | 27°12 | 1°32 | 3°55 | F 18 |
| S 19 | 0 14 59 | 1°47'53 | 4♉27 | 24° 8 | 1°41 | 15°26 | 11°16 | 14°50 | 17° 4 | 9°46 | 25°53 | 28°41 | 27° 9 | 1°38 | 4° 3 | S 19 |
| S 20 | 0 18 55 | 2°47'11 | 19° 8 | 23°20 | 2°56 | 16° 3 | 11°28 | 14°45 | 17° 6 | 9°48 | 25°52 | 28°36 | 27° 6 | 1°45 | 4°11 | S 20 |
| M21 | 0 22 52 | 3°46'32 | 3♊45 | 22°40 | 4°11 | 16°39 | 11°41 | 14°40 | 17° 7 | 9°50 | 25°51 | 28°32 | 27° 2 | 1°52 | 4°18 | M21 |
| T 22 | 0 26 49 | 4°45'55 | 18°10 | 22°11 | 5°26 | 17°16 | 11°53 | 14°36 | 17° 9 | 9°52 | 25°50 | 28°29 | 26°59 | 1°59 | 4°26 | T 22 |
| W23 | 0 30 45 | 5°45'21 | 2♋21 | 21°52 | 6°42 | 17°52 | 12° 6 | 14°31 | 17°10 | 9°54 | 25°48 | 28°D28 | 26°56 | 2° 5 | 4°34 | W23 |
| T 24 | 0 34 42 | 6°44'49 | 16°16 | 21°D44 | 7°57 | 18°28 | 12°18 | 14°26 | 17°11 | 9°56 | 25°47 | 28°28 | 26°53 | 2°12 | 4°41 | T 24 |
| F 25 | 0 38 38 | 7°44'19 | 29°55 | 21°47 | 9°12 | 19° 5 | 12°31 | 14°22 | 17°13 | 9°58 | 25°46 | 28°29 | 26°50 | 2°19 | 4°49 | F 25 |
| S 26 | 0 42 35 | 8°43'51 | 13♌18 | 22° 1 | 10°27 | 19°41 | 12°43 | 14°17 | 17°14 | 10° 0 | 25°45 | 28°31 | 26°47 | 2°25 | 4°57 | S 26 |
| S 27 | 0 46 31 | 9°43'26 | 26°28 | 22°25 | 11°42 | 20°17 | 12°55 | 14°12 | 17°15 | 10° 2 | 25°44 | 28°R32 | 26°43 | 2°32 | 5° 4 | S 27 |
| M28 | 0 50 28 | 10°43'03 | 9♍24 | 22°59 | 12°57 | 20°53 | 13° 7 | 14° 7 | 17°16 | 10° 4 | 25°43 | 28°31 | 26°40 | 2°39 | 5°11 | M28 |
| T 29 | 0 54 24 | 11°42'42 | 22° 9 | 23°42 | 14°12 | 21°29 | 13°20 | 14° 2 | 17°17 | 10° 6 | 25°42 | 28°28 | 26°37 | 2°46 | 5°19 | T 29 |
| W30 | 0 58 21 | 12♎42'24 | 4♎43 | 24♍33 | 15♎28 | 22♌ 5 | 13♍32 | 13♈58 | 17♋18 | 10♍ 8 | 25♈41 | 28♒24 | 26♒34 | 2♐52 | 5♍26 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n17 | 5n29 | 1s17 | 6s 9 | 3s45 | 9n28 | 1n25 | 20n22 | 1n 8 | 9n47 | 1n 2 | 3n48 | 2s46 | 22n57 | 0n25 | 9n11 | 1n 5 | 5s28 | 16s44 | 11s51 | 12s12 | 25s11 | 6n18 | 4s58 |
| W 2 | 5 54 | 0s35 | 2 23 | 6 15 | 3 48 | 8 59 | 1 25 | 20 13 | 1 9 | 9 42 | 1 2 | 3 46 | 2 47 | 22 57 | 0 25 | 9 11 | 1 5 | 5 28 | 16 44 | 11 51 | 12 13 | 25 13 | 6 15 | 4 58 |
| T 3 | 5 32 | 6 30 | 3 21 | 6 18 | 3 51 | 8 31 | 1 25 | 20 5 | 1 9 | 9 38 | 1 2 | 3 45 | 2 47 | 22 57 | 0 25 | 9 10 | 1 5 | 5 29 | 16 45 | 11 52 | 12 14 | 25 14 | 6 12 | 4 58 |
| F 4 | 5 9 | 12 4 | 4 8 | 6 17 | 3 52 | 8 2 | 1 25 | 19 56 | 1 10 | 9 33 | 1 2 | 3 43 | 2 47 | 22 56 | 0 26 | 9 9 | 1 5 | 5 29 | 16 45 | 11 53 | 12 15 | 25 16 | 6 9 | 4 58 |
| S 5 | 4 46 | 17 4 | 4 43 | 6 12 | 3 53 | 7 33 | 1 25 | 19 47 | 1 10 | 9 28 | 1 2 | 3 41 | 2 47 | 22 56 | 0 26 | 9 8 | 1 5 | 5 30 | 16 45 | 11 54 | 12 16 | 25 17 | 6 6 | 4 58 |
| S 6 | 4 22 | 21 20 | 5 6 | 6 3 | 3 52 | 7 4 | 1 25 | 19 38 | 1 11 | 9 23 | 1 2 | 3 40 | 2 47 | 22 56 | 0 26 | 9 7 | 1 5 | 5 30 | 16 45 | 11 55 | 12 17 | 25 19 | 6 4 | 4 58 |
| M 7 | 3 59 | 24 42 | 5 14 | 5 49 | 3 49 | 6 35 | 1 25 | 19 29 | 1 11 | 9 18 | 1 2 | 3 38 | 2 47 | 22 56 | 0 26 | 9 6 | 1 5 | 5 31 | 16 45 | 11 56 | 12 18 | 25 20 | 6 1 | 4 58 |
| T 8 | 3 36 | 27 0 | 5 9 | 5 31 | 3 45 | 6 5 | 1 25 | 19 20 | 1 12 | 9 14 | 1 3 | 3 36 | 2 48 | 22 56 | 0 26 | 9 6 | 1 5 | 5 31 | 16 46 | 11 56 | 12 19 | 25 21 | 5 58 | 4 58 |
| W 9 | 3 13 | 28 5 | 4 51 | 5 9 | 3 39 | 5 36 | 1 25 | 19 10 | 1 12 | 9 9 | 1 3 | 3 35 | 2 48 | 22 55 | 0 26 | 9 5 | 1 5 | 5 32 | 16 46 | 11 57 | 12 20 | 25 23 | 5 55 | 4 58 |
| T 10 | 2 49 | 27 52 | 4 21 | 4 42 | 3 31 | 5 6 | 1 24 | 19 1 | 1 13 | 9 4 | 1 3 | 3 33 | 2 48 | 22 55 | 0 26 | 9 4 | 1 5 | 5 32 | 16 46 | 11 57 | 12 21 | 25 24 | 5 52 | 4 58 |
| F 11 | 2 26 | 26 18 | 3 38 | 4 11 | 3 21 | 4 36 | 1 24 | 18 51 | 1 13 | 8 59 | 1 3 | 3 31 | 2 48 | 22 55 | 0 26 | 9 3 | 1 5 | 5 33 | 16 46 | 11 56 | 12 23 | 25 26 | 5 49 | 4 58 |
| S 12 | 2 2 | 23 25 | 2 44 | 3 36 | 3 10 | 4 5 | 1 23 | 18 42 | 1 14 | 8 54 | 1 3 | 3 29 | 2 48 | 22 55 | 0 26 | 9 2 | 1 5 | 5 33 | 16 46 | 11 56 | 12 24 | 25 27 | 5 46 | 4 58 |
| S 13 | 1 39 | 19 20 | 1 40 | 2 57 | 2 56 | 3 35 | 1 23 | 18 32 | 1 14 | 8 50 | 1 3 | 3 28 | 2 48 | 22 54 | 0 26 | 9 2 | 1 5 | 5 34 | 16 46 | 11 55 | 12 25 | 25 28 | 5 43 | 4 58 |
| M14 | 1 15 | 14 13 | 0 30 | 2 16 | 2 41 | 3 5 | 1 22 | 18 22 | 1 15 | 8 45 | 1 3 | 3 26 | 2 48 | 22 54 | 0 26 | 9 1 | 1 5 | 5 34 | 16 47 | 11 55 | 12 26 | 25 30 | 5 40 | 4 58 |
| T 15 | 0 52 | 8 17 | 0n44 | 1 33 | 2 24 | 2 34 | 1 22 | 18 12 | 1 15 | 8 40 | 1 3 | 3 24 | 2 48 | 22 54 | 0 26 | 9 0 | 1 5 | 5 35 | 16 47 | 11 55 | 12 27 | 25 31 | 5 37 | 4 58 |
| W16 | 0 28 | 1 47 | 1 58 | 0 48 | 2 5 | 2 4 | 1 21 | 18 2 | 1 16 | 8 35 | 1 3 | 3 22 | 2 49 | 22 54 | 0 26 | 8 59 | 1 5 | 5 35 | 16 47 | 11 55 | 12 28 | 25 33 | 5 35 | 4 59 |
| T 17 | 0 4 | 4n56 | 3 5 | 0 4 | 1 46 | 1 33 | 1 20 | 17 52 | 1 17 | 8 31 | 1 3 | 3 20 | 2 49 | 22 54 | 0 26 | 8 58 | 1 5 | 5 36 | 16 47 | 11 56 | 12 29 | 25 34 | 5 32 | 4 59 |
| F 18 | 0s19 | 11 30 | 4 2 | 0n39 | 1 26 | 1 2 | 1 19 | 17 41 | 1 17 | 8 26 | 1 3 | 3 18 | 2 49 | 22 54 | 0 26 | 8 58 | 1 5 | 5 36 | 16 47 | 11 58 | 12 30 | 25 35 | 5 29 | 4 59 |
| S 19 | 0 43 | 17 31 | 4 44 | 1 20 | 1 5 | 0 32 | 1 19 | 17 31 | 1 18 | 8 21 | 1 3 | 3 17 | 2 49 | 22 53 | 0 26 | 8 57 | 1 5 | 5 37 | 16 47 | 11 59 | 12 31 | 25 37 | 5 26 | 4 59 |
| S 20 | 1 7 | 22 30 | 5 7 | 1 58 | 0 45 | 0 1 | 1 18 | 17 21 | 1 18 | 8 16 | 1 4 | 3 15 | 2 49 | 22 53 | 0 26 | 8 56 | 1 5 | 5 37 | 16 47 | 12 1 | 12 32 | 25 38 | 5 23 | 4 59 |
| M21 | 1 30 | 26 4 | 5 10 | 2 33 | 0 25 | 0s30 | 1 17 | 17 10 | 1 19 | 8 12 | 1 4 | 3 13 | 2 49 | 22 53 | 0 26 | 8 55 | 1 5 | 5 38 | 16 47 | 12 3 | 12 33 | 25 39 | 5 20 | 4 59 |
| T 22 | 1 54 | 27 53 | 4 53 | 3 2 | 0 6 | 1 1 | 1 16 | 17 0 | 1 19 | 8 7 | 1 4 | 3 11 | 2 49 | 22 53 | 0 26 | 8 55 | 1 5 | 5 38 | 16 48 | 12 4 | 12 35 | 25 41 | 5 17 | 4 59 |
| W23 | 2 18 | 27 51 | 4 18 | 3 26 | 0n13 | 1 32 | 1 14 | 16 49 | 1 20 | 8 2 | 1 4 | 3 9 | 2 49 | 22 53 | 0 26 | 8 54 | 1 5 | 5 38 | 16 48 | 12 4 | 12 36 | 25 42 | 5 14 | 4 59 |
| T 24 | 2 41 | 26 1 | 3 29 | 3 45 | 0 30 | 2 3 | 1 13 | 16 38 | 1 20 | 7 58 | 1 4 | 3 7 | 2 49 | 22 53 | 0 26 | 8 53 | 1 5 | 5 39 | 16 48 | 12 4 | 12 37 | 25 43 | 5 11 | 4 59 |
| F 25 | 3 5 | 22 42 | 2 29 | 3 58 | 0 46 | 2 34 | 1 12 | 16 27 | 1 21 | 7 53 | 1 4 | 3 5 | 2 49 | 22 52 | 0 26 | 8 52 | 1 5 | 5 39 | 16 48 | 12 3 | 12 38 | 25 44 | 5 9 | 5 0 |
| S 26 | 3 29 | 18 13 | 1 22 | 4 6 | 1 0 | 3 4 | 1 11 | 16 16 | 1 21 | 7 48 | 1 4 | 3 4 | 2 49 | 22 52 | 0 26 | 8 52 | 1 5 | 5 40 | 16 48 | 12 3 | 12 39 | 25 46 | 5 6 | 5 0 |
| S 27 | 3 52 | 12 56 | 0 11 | 4 8 | 1 13 | 3 35 | 1 9 | 16 5 | 1 22 | 7 44 | 1 4 | 3 2 | 2 49 | 22 52 | 0 26 | 8 51 | 1 5 | 5 40 | 16 48 | 12 3 | 12 40 | 25 47 | 5 3 | 5 0 |
| M28 | 4 16 | 7 11 | 0s59 | 4 5 | 1 24 | 4 6 | 1 8 | 15 54 | 1 22 | 7 39 | 1 4 | 3 0 | 2 49 | 22 52 | 0 26 | 8 50 | 1 5 | 5 41 | 16 48 | 12 3 | 12 41 | 25 48 | 5 0 | 5 0 |
| T 29 | 4 39 | 1 14 | 2 4 | 3 57 | 1 34 | 4 36 | 1 7 | 15 43 | 1 23 | 7 35 | 1 5 | 2 58 | 2 49 | 22 52 | 0 26 | 8 49 | 1 5 | 5 41 | 16 48 | 12 4 | 12 42 | 25 50 | 4 57 | 5 0 |
| W30 | 5s 3 | 4s41 | 3s 3 | 3n44 | 1n42 | 5s 7 | 1n 5 | 15n32 | 1n23 | 7n30 | 1n 5 | 2n56 | 2s49 | 22n52 | 0n26 | 8n49 | 1n 5 | 5s42 | 16s48 | 12s 5 | 12s43 | 25s51 | 4n54 | 5s 0 |

Julian Day Number = 2128189.5, Delta T = 16m57s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'52, Lahiri = 11°30'52 Julian Calendar 1 Sept. 1114 == Greg. Calendar 8 Sept. 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## OCTOBER 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 2 17 | 13♎42'07 | 17♎ 7 | 25♍31 | 16♎43 | 22♌41 | 13♍44 | 13°R53 | 17♋19 | 10♍10 | 25°R40 | 28°R17 | 26♒31 | 2♐59 | 5♍34 | T 1 |
| F 2 | 1 6 14 | 14°41'53 | 29°21 | 26°36 | 17°58 | 23°17 | 13°56 | 13♈48 | 17°20 | 10°12 | 25♈39 | 28♒ 8 | 26°27 | 3° 6 | 5°41 | F 2 |
| S 3 | 1 10 11 | 15°41'40 | 11♏26 | 27°47 | 19°13 | 23°53 | 14° 8 | 13°43 | 17°21 | 10°14 | 25°38 | 27°59 | 26°24 | 3°12 | 5°48 | S 3 |
| S 4 | 1 14 7 | 16°41'29 | 23°24 | 29° 3 | 20°28 | 24°28 | 14°20 | 13°38 | 17°21 | 10°15 | 25°36 | 27°50 | 26°21 | 3°19 | 5°55 | S 4 |
| M 5 | 1 18 4 | 17°41'21 | 5♐17 | 0♎23 | 21°43 | 25° 4 | 14°32 | 13°33 | 17°22 | 10°17 | 25°35 | 27°41 | 26°18 | 3°26 | 6° 2 | M 5 |
| T 6 | 1 22 0 | 18°41'14 | 17° 8 | 1°47 | 22°59 | 25°40 | 14°44 | 13°29 | 17°23 | 10°19 | 25°34 | 27°34 | 26°15 | 3°33 | 6° 9 | T 6 |
| W 7 | 1 25 57 | 19°41'09 | 29° 0 | 3°13 | 24°14 | 26°15 | 14°55 | 13°24 | 17°23 | 10°21 | 25°33 | 27°30 | 26°12 | 3°39 | 6°16 | W 7 |
| T 8 | 1 29 53 | 20°41'05 | 10♑57 | 4°43 | 25°29 | 26°51 | 15° 7 | 13°19 | 17°24 | 10°23 | 25°32 | 27°27 | 26° 8 | 3°46 | 6°23 | T 8 |
| F 9 | 1 33 50 | 21°41'03 | 23° 4 | 6°14 | 26°44 | 27°26 | 15°19 | 13°14 | 17°24 | 10°25 | 25°31 | 27°D27 | 26° 5 | 3°53 | 6°30 | F 9 |
| S 10 | 1 37 46 | 22°41'03 | 5♒27 | 7°48 | 27°59 | 28° 1 | 15°30 | 13°10 | 17°25 | 10°26 | 25°30 | 27°27 | 26° 2 | 4° 0 | 6°37 | S 10 |
| S 11 | 1 41 43 | 23°41'05 | 18°10 | 9°22 | 29°15 | 28°37 | 15°42 | 13° 5 | 17°25 | 10°28 | 25°29 | 27°28 | 25°59 | 4° 6 | 6°44 | S 11 |
| M12 | 1 45 40 | 24°41'08 | 1♓18 | 10°58 | 0♏30 | 29°12 | 15°53 | 13° 0 | 17°26 | 10°30 | 25°27 | 27°R29 | 25°56 | 4°13 | 6°50 | M12 |
| T 13 | 1 49 36 | 25°41'13 | 14°53 | 12°35 | 1°45 | 29°47 | 16° 5 | 12°56 | 17°26 | 10°32 | 25°26 | 27°27 | 25°52 | 4°20 | 6°57 | T 13 |
| W14 | 1 53 33 | 26°41'19 | 28°57 | 14°12 | 3° 0 | 0♍22 | 16°16 | 12°51 | 17°26 | 10°33 | 25°25 | 27°23 | 25°49 | 4°26 | 7° 4 | W14 |
| T 15 | 1 57 29 | 27°41'27 | 13♈28 | 15°49 | 4°16 | 0°57 | 16°27 | 12°46 | 17°26 | 10°35 | 25°24 | 27°17 | 25°46 | 4°33 | 7°10 | T 15 |
| F 16 | 2 1 26 | 28°41'37 | 28°20 | 17°27 | 5°31 | 1°32 | 16°39 | 12°42 | 17°26 | 10°37 | 25°23 | 27° 9 | 25°43 | 4°40 | 7°16 | F 16 |
| S 17 | 2 5 22 | 29°41'49 | 13♉25 | 19° 5 | 6°46 | 2° 7 | 16°50 | 12°37 | 17°26 | 10°38 | 25°22 | 26°59 | 25°40 | 4°47 | 7°23 | S 17 |
| S 18 | 2 9 19 | 0♏42'03 | 28°33 | 20°44 | 8° 1 | 2°42 | 17° 1 | 12°33 | 17°R26 | 10°40 | 25°21 | 26°49 | 25°37 | 4°53 | 7°29 | S 18 |
| M19 | 2 13 15 | 1°42'18 | 13♊33 | 22°22 | 9°16 | 3°17 | 17°12 | 12°29 | 17°26 | 10°41 | 25°20 | 26°41 | 25°33 | 5° 0 | 7°35 | M19 |
| T 20 | 2 17 12 | 2°42'36 | 28°18 | 24° 0 | 10°32 | 3°52 | 17°23 | 12°24 | 17°26 | 10°43 | 25°18 | 26°34 | 25°30 | 5° 7 | 7°41 | T 20 |
| W21 | 2 21 9 | 3°42'56 | 12♋41 | 25°38 | 11°47 | 4°27 | 17°34 | 12°20 | 17°26 | 10°44 | 25°17 | 26°30 | 25°27 | 5°14 | 7°48 | W21 |
| T 22 | 2 25 5 | 4°43'18 | 26°40 | 27°16 | 13° 2 | 5° 1 | 17°44 | 12°16 | 17°26 | 10°46 | 25°16 | 26°28 | 25°24 | 5°20 | 7°54 | T 22 |
| F 23 | 2 29 2 | 5°43'42 | 10♌16 | 28°53 | 14°17 | 5°36 | 17°55 | 12°11 | 17°26 | 10°47 | 25°15 | 26°D28 | 25°21 | 5°27 | 8° 0 | F 23 |
| S 24 | 2 32 58 | 6°44'07 | 23°30 | 0♏31 | 15°33 | 6°10 | 18° 6 | 12° 7 | 17°25 | 10°49 | 25°14 | 26°R28 | 25°18 | 5°34 | 8° 5 | S 24 |
| S 25 | 2 36 55 | 7°44'35 | 6♍26 | 2° 8 | 16°48 | 6°45 | 18°16 | 12° 3 | 17°25 | 10°50 | 25°13 | 26°28 | 25°14 | 5°40 | 8°11 | S 25 |
| M26 | 2 40 51 | 8°45'05 | 19° 6 | 3°45 | 18° 3 | 7°19 | 18°26 | 11°59 | 17°24 | 10°52 | 25°12 | 26°26 | 25°11 | 5°47 | 8°17 | M26 |
| T 27 | 2 44 48 | 9°45'36 | 1♎34 | 5°21 | 19°18 | 7°53 | 18°37 | 11°55 | 17°24 | 10°53 | 25°11 | 26°21 | 25° 8 | 5°54 | 8°23 | T 27 |
| W28 | 2 48 44 | 10°46'09 | 13°52 | 6°58 | 20°34 | 8°28 | 18°47 | 11°51 | 17°23 | 10°54 | 25°10 | 26°13 | 25° 5 | 6° 1 | 8°28 | W28 |
| T 29 | 2 52 41 | 11°46'44 | 26° 3 | 8°34 | 21°49 | 9° 2 | 18°57 | 11°47 | 17°23 | 10°56 | 25° 9 | 26° 2 | 25° 2 | 6° 7 | 8°34 | T 29 |
| F 30 | 2 56 38 | 12°47'20 | 8♏ 7 | 10°10 | 23° 4 | 9°36 | 19° 7 | 11°44 | 17°22 | 10°57 | 25° 7 | 25°49 | 24°58 | 6°14 | 8°39 | F 30 |
| S 31 | 3 0 34 | 13♏47'59 | 20♏ 5 | 11♏45 | 24♏19 | 10♍10 | 19♍17 | 11♈40 | 17♋21 | 10♍58 | 25♈ 6 | 25♒34 | 24♒55 | 6♐21 | 8♍44 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s26 | 10s19 | 3s52 | 3n27 | 1n49 | 5s37 | 1n 4 | 15n21 | 1n24 | 7n25 | 1n 5 | 2n54 | 2s49 | 22n52 | 0n26 | 8n48 | 1n 5 | 5s42 | 16s48 | 12s 8 | 12s44 | 25s52 | 4n51 | 5s 1 |
| F 2 | 5 49 | 15 29 | 4 29 | 3 6 | 1 54 | 6 8 | 1 2 | 15 9 | 1 24 | 7 21 | 1 5 | 2 52 | 2 49 | 22 52 | 0 26 | 8 47 | 1 5 | 5 43 | 16 48 | 12 11 | 12 45 | 25 53 | 4 49 | 5 1 |
| S 3 | 6 12 | 19 59 | 4 54 | 2 42 | 1 59 | 6 38 | 1 0 | 14 58 | 1 25 | 7 16 | 1 5 | 2 50 | 2 49 | 22 52 | 0 26 | 8 47 | 1 5 | 5 43 | 16 48 | 12 14 | 12 47 | 25 55 | 4 46 | 5 1 |
| S 4 | 6 35 | 23 38 | 5 5 | 2 14 | 2 2 | 7 8 | 0 59 | 14 46 | 1 25 | 7 12 | 1 5 | 2 49 | 2 49 | 22 52 | 0 26 | 8 46 | 1 5 | 5 43 | 16 48 | 12 17 | 12 48 | 25 56 | 4 43 | 5 1 |
| M 5 | 6 59 | 26 16 | 5 4 | 1 44 | 2 4 | 7 38 | 0 57 | 14 35 | 1 26 | 7 7 | 1 5 | 2 47 | 2 49 | 22 52 | 0 26 | 8 45 | 1 5 | 5 44 | 16 49 | 12 20 | 12 49 | 25 57 | 4 40 | 5 1 |
| T 6 | 7 21 | 27 43 | 4 49 | 1 12 | 2 5 | 8 7 | 0 55 | 14 23 | 1 27 | 7 3 | 1 5 | 2 45 | 2 49 | 22 52 | 0 27 | 8 45 | 1 5 | 5 44 | 16 49 | 12 22 | 12 50 | 25 58 | 4 38 | 5 2 |
| W 7 | 7 44 | 27 55 | 4 22 | 0 37 | 2 5 | 8 37 | 0 53 | 14 11 | 1 27 | 6 58 | 1 6 | 2 43 | 2 49 | 22 51 | 0 27 | 8 44 | 1 5 | 5 45 | 16 49 | 12 24 | 12 51 | 26 0 | 4 35 | 5 2 |
| T 8 | 8 7 | 26 48 | 3 43 | 0 1 | 2 4 | 9 6 | 0 51 | 14 0 | 1 28 | 6 54 | 1 6 | 2 41 | 2 49 | 22 51 | 0 27 | 8 43 | 1 5 | 5 45 | 16 49 | 12 25 | 12 52 | 26 1 | 4 32 | 5 2 |
| F 9 | 8 30 | 24 25 | 2 54 | 0s37 | 2 2 | 9 35 | 0 49 | 13 48 | 1 28 | 6 49 | 1 6 | 2 39 | 2 49 | 22 51 | 0 27 | 8 43 | 1 5 | 5 45 | 16 49 | 12 25 | 12 53 | 26 2 | 4 29 | 5 2 |
| S 10 | 8 52 | 20 52 | 1 55 | 1 16 | 2 0 | 10 4 | 0 48 | 13 36 | 1 29 | 6 45 | 1 6 | 2 38 | 2 49 | 22 51 | 0 27 | 8 42 | 1 5 | 5 46 | 16 49 | 12 25 | 12 54 | 26 3 | 4 27 | 5 2 |
| S 11 | 9 14 | 16 15 | 0 50 | 1 56 | 1 57 | 10 33 | 0 46 | 13 24 | 1 29 | 6 41 | 1 6 | 2 36 | 2 49 | 22 51 | 0 27 | 8 41 | 1 5 | 5 46 | 16 49 | 12 25 | 12 55 | 26 4 | 4 24 | 5 3 |
| M12 | 9 36 | 10 45 | 0n20 | 2 37 | 1 54 | 11 1 | 0 44 | 13 12 | 1 30 | 6 36 | 1 6 | 2 34 | 2 49 | 22 51 | 0 27 | 8 41 | 1 6 | 5 47 | 16 49 | 12 24 | 12 56 | 26 5 | 4 21 | 5 3 |
| T 13 | 9 59 | 4 34 | 1 32 | 3 18 | 1 50 | 11 30 | 0 41 | 13 0 | 1 30 | 6 32 | 1 6 | 2 32 | 2 49 | 22 51 | 0 27 | 8 40 | 1 6 | 5 47 | 16 49 | 12 25 | 12 57 | 26 7 | 4 19 | 5 3 |
| W14 | 10 20 | 2n 1 | 2 40 | 4 0 | 1 46 | 11 57 | 0 39 | 12 49 | 1 31 | 6 28 | 1 7 | 2 31 | 2 49 | 22 51 | 0 27 | 8 39 | 1 6 | 5 47 | 16 49 | 12 26 | 12 58 | 26 8 | 4 16 | 5 3 |
| T 15 | 10 42 | 8 42 | 3 40 | 4 42 | 1 41 | 12 25 | 0 37 | 12 36 | 1 31 | 6 24 | 1 7 | 2 29 | 2 49 | 22 51 | 0 27 | 8 39 | 1 6 | 5 48 | 16 49 | 12 28 | 13 0 | 26 9 | 4 13 | 5 4 |
| F 16 | 11 4 | 15 4 | 4 26 | 5 24 | 1 36 | 12 52 | 0 35 | 12 24 | 1 32 | 6 19 | 1 7 | 2 27 | 2 49 | 22 51 | 0 27 | 8 38 | 1 6 | 5 48 | 16 48 | 12 31 | 13 1 | 26 10 | 4 11 | 5 4 |
| S 17 | 11 25 | 20 37 | 4 55 | 6 7 | 1 31 | 13 19 | 0 33 | 12 12 | 1 32 | 6 15 | 1 7 | 2 26 | 2 48 | 22 51 | 0 27 | 8 38 | 1 6 | 5 48 | 16 48 | 12 35 | 13 2 | 26 11 | 4 8 | 5 4 |
| S 18 | 11 46 | 24 51 | 5 3 | 6 49 | 1 25 | 13 46 | 0 31 | 12 0 | 1 33 | 6 11 | 1 7 | 2 24 | 2 48 | 22 51 | 0 27 | 8 37 | 1 6 | 5 49 | 16 48 | 12 38 | 13 3 | 26 12 | 4 5 | 5 5 |
| M19 | 12 7 | 27 20 | 4 50 | 7 31 | 1 19 | 14 12 | 0 28 | 11 48 | 1 33 | 6 7 | 1 7 | 2 22 | 2 48 | 22 51 | 0 27 | 8 36 | 1 6 | 5 49 | 16 48 | 12 41 | 13 4 | 26 13 | 4 3 | 5 5 |
| T 20 | 12 28 | 27 51 | 4 18 | 8 13 | 1 13 | 14 38 | 0 26 | 11 36 | 1 34 | 6 3 | 1 7 | 2 21 | 2 48 | 22 52 | 0 27 | 8 36 | 1 6 | 5 49 | 16 48 | 12 43 | 13 5 | 26 15 | 4 0 | 5 5 |
| W21 | 12 49 | 26 26 | 3 30 | 8 55 | 1 7 | 15 4 | 0 24 | 11 24 | 1 35 | 5 59 | 1 8 | 2 19 | 2 48 | 22 52 | 0 27 | 8 35 | 1 6 | 5 50 | 16 48 | 12 45 | 13 6 | 26 16 | 3 58 | 5 5 |
| T 22 | 13 9 | 23 24 | 2 31 | 9 36 | 1 1 | 15 29 | 0 22 | 11 11 | 1 35 | 5 54 | 1 8 | 2 18 | 2 48 | 22 52 | 0 27 | 8 35 | 1 6 | 5 50 | 16 48 | 12 45 | 13 7 | 26 17 | 3 55 | 5 6 |
| F 23 | 13 30 | 19 7 | 1 25 | 10 17 | 0 55 | 15 54 | 0 19 | 10 59 | 1 36 | 5 50 | 1 8 | 2 16 | 2 48 | 22 52 | 0 27 | 8 34 | 1 6 | 5 50 | 16 48 | 12 45 | 13 8 | 26 18 | 3 53 | 5 6 |
| S 24 | 13 50 | 14 0 | 0 16 | 10 57 | 0 48 | 16 18 | 0 17 | 10 47 | 1 36 | 5 46 | 1 8 | 2 15 | 2 48 | 22 52 | 0 27 | 8 34 | 1 6 | 5 51 | 16 48 | 12 45 | 13 9 | 26 19 | 3 50 | 5 6 |
| S 25 | 14 10 | 8 23 | 0s53 | 11 37 | 0 41 | 16 42 | 0 15 | 10 34 | 1 37 | 5 43 | 1 8 | 2 13 | 2 47 | 22 52 | 0 27 | 8 33 | 1 6 | 5 51 | 16 48 | 12 45 | 13 10 | 26 20 | 3 48 | 5 7 |
| M26 | 14 29 | 2 33 | 1 57 | 12 17 | 0 35 | 17 6 | 0 12 | 10 22 | 1 37 | 5 39 | 1 8 | 2 12 | 2 47 | 22 52 | 0 27 | 8 33 | 1 6 | 5 51 | 16 48 | 12 46 | 13 11 | 26 21 | 3 46 | 5 7 |
| T 27 | 14 49 | 3s17 | 2 54 | 12 56 | 0 28 | 17 29 | 0 10 | 10 10 | 1 38 | 5 35 | 1 9 | 2 10 | 2 47 | 22 52 | 0 27 | 8 32 | 1 6 | 5 52 | 16 48 | 12 48 | 13 12 | 26 22 | 3 43 | 5 7 |
| W28 | 15 8 | 8 55 | 3 43 | 13 34 | 0 21 | 17 52 | 0 7 | 9 57 | 1 38 | 5 31 | 1 9 | 2 9 | 2 47 | 22 52 | 0 27 | 8 32 | 1 6 | 5 52 | 16 48 | 12 50 | 13 13 | 26 23 | 3 41 | 5 8 |
| T 29 | 15 27 | 14 8 | 4 20 | 14 12 | 0 15 | 18 14 | 0 5 | 9 45 | 1 39 | 5 27 | 1 9 | 2 8 | 2 47 | 22 52 | 0 27 | 8 31 | 1 6 | 5 52 | 16 47 | 12 54 | 13 15 | 26 24 | 3 38 | 5 8 |
| F 30 | 15 45 | 18 47 | 4 46 | 14 49 | 0 8 | 18 35 | 0 2 | 9 33 | 1 39 | 5 23 | 1 9 | 2 6 | 2 47 | 22 52 | 0 27 | 8 31 | 1 6 | 5 52 | 16 47 | 12 59 | 13 16 | 26 25 | 3 36 | 5 8 |
| S 31 | 16s 3 | 22s38 | 4s58 | 15s25 | 0n 1 | 18s57 | 0n 0 | 9n20 | 1n40 | 5n19 | 1n 9 | 2n 5 | 2s46 | 22n52 | 0n27 | 8n31 | 1n 6 | 5s53 | 16s47 | 13s 4 | 13s17 | 26s26 | 3n34 | 5s 9 |

Julian Day Number = 2128219.5, Delta T = 16m56s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°23'56, Lahiri = 11°30'56 Julian Calendar 1 Oct. 1114 == Greg. Calendar 8 Oct. 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## NOVEMBER 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 4 31 | 14♏48'38 | 2♐ 0 | 13♏21 | 25♏35 | 10♍43 | 19♍27 | 11°R36 | 17°R21 | 10♍59 | 25°R 5 | 25°R20 | 24♒52 | 6♐27 | 8♍49 | S 1 |
| M 2 | 3 8 27 | 15°49'19 | 13°51 | 14°56 | 26°50 | 11°17 | 19°37 | 11♈33 | 17♋20 | 11° 1 | 25♈ 4 | 25♒ 6 | 24°49 | 6°34 | 8°55 | M 2 |
| T 3 | 3 12 24 | 16°50'02 | 25°41 | 16°31 | 28° 5 | 11°51 | 19°46 | 11°29 | 17°19 | 11° 2 | 25° 3 | 24°55 | 24°46 | 6°41 | 9° 0 | T 3 |
| W 4 | 3 16 20 | 17°50'45 | 7♑33 | 18° 6 | 29°20 | 12°25 | 19°56 | 11°26 | 17°18 | 11° 3 | 25° 2 | 24°46 | 24°43 | 6°48 | 9° 5 | W 4 |
| T 5 | 3 20 17 | 18°51'30 | 19°29 | 19°40 | 0♐36 | 12°58 | 20° 5 | 11°23 | 17°17 | 11° 4 | 25° 1 | 24°40 | 24°39 | 6°54 | 9° 9 | T 5 |
| F 6 | 3 24 13 | 19°52'16 | 1♒34 | 21°15 | 1°51 | 13°32 | 20°14 | 11°19 | 17°16 | 11° 5 | 25° 0 | 24°37 | 24°36 | 7° 1 | 9°14 | F 6 |
| S 7 | 3 28 10 | 20°53'03 | 13°52 | 22°49 | 3° 6 | 14° 5 | 20°24 | 11°16 | 17°15 | 11° 6 | 24°59 | 24°36 | 24°33 | 7° 8 | 9°19 | S 7 |
| S 8 | 3 32 7 | 21°53'51 | 26°29 | 24°23 | 4°21 | 14°38 | 20°33 | 11°13 | 17°14 | 11° 7 | 24°58 | 24°36 | 24°30 | 7°14 | 9°23 | S 8 |
| M 9 | 3 36 3 | 22°54'40 | 9♓29 | 25°57 | 5°37 | 15°11 | 20°42 | 11°10 | 17°13 | 11° 8 | 24°57 | 24°36 | 24°27 | 7°21 | 9°28 | M 9 |
| T 10 | 3 40 0 | 23°55'30 | 22°57 | 27°31 | 6°52 | 15°44 | 20°51 | 11° 7 | 17°12 | 11° 9 | 24°56 | 24°34 | 24°24 | 7°28 | 9°32 | T 10 |
| W11 | 3 43 56 | 24°56'20 | 6♈55 | 29° 5 | 8° 7 | 16°17 | 20°59 | 11° 4 | 17°10 | 11°10 | 24°55 | 24°29 | 24°20 | 7°35 | 9°37 | W11 |
| T 12 | 3 47 53 | 25°57'12 | 21°23 | 0♐39 | 9°22 | 16°50 | 21° 8 | 11° 2 | 17° 9 | 11°11 | 24°54 | 24°22 | 24°17 | 7°41 | 9°41 | T 12 |
| F 13 | 3 51 49 | 26°58'05 | 6♉18 | 2°13 | 10°37 | 17°23 | 21°16 | 10°59 | 17° 8 | 11°12 | 24°53 | 24°12 | 24°14 | 7°48 | 9°45 | F 13 |
| S 14 | 3 55 46 | 27°58'58 | 21°32 | 3°47 | 11°53 | 17°56 | 21°25 | 10°57 | 17° 6 | 11°12 | 24°52 | 24° 1 | 24°11 | 7°55 | 9°49 | S 14 |
| S 15 | 3 59 42 | 28°59'53 | 6♊54 | 5°20 | 13° 8 | 18°28 | 21°33 | 10°54 | 17° 5 | 11°13 | 24°51 | 23°49 | 24° 8 | 8° 2 | 9°53 | S 15 |
| M16 | 4 3 39 | 0♐ 0'49 | 22°12 | 6°54 | 14°23 | 19° 1 | 21°41 | 10°52 | 17° 3 | 11°14 | 24°51 | 23°39 | 24° 4 | 8° 8 | 9°57 | M16 |
| T 17 | 4 7 36 | 1° 1'47 | 7♋16 | 8°28 | 15°38 | 19°33 | 21°49 | 10°50 | 17° 2 | 11°15 | 24°50 | 23°30 | 24° 1 | 8°15 | 10° 0 | T 17 |
| W18 | 4 11 32 | 2° 2'45 | 21°56 | 10° 1 | 16°53 | 20° 5 | 21°57 | 10°48 | 17° 0 | 11°15 | 24°49 | 23°25 | 23°58 | 8°22 | 10° 4 | W18 |
| T 19 | 4 15 29 | 3° 3'44 | 6♌ 9 | 11°35 | 18° 9 | 20°38 | 22° 5 | 10°46 | 16°59 | 11°16 | 24°48 | 23°22 | 23°55 | 8°28 | 10° 7 | T 19 |
| F 20 | 4 19 25 | 4° 4'45 | 19°53 | 13° 9 | 19°24 | 21°10 | 22°13 | 10°44 | 16°57 | 11°17 | 24°47 | 23°D21 | 23°52 | 8°35 | 10°11 | F 20 |
| S 21 | 4 23 22 | 5° 5'47 | 3♍10 | 14°42 | 20°39 | 21°42 | 22°20 | 10°42 | 16°55 | 11°17 | 24°46 | 23°R21 | 23°49 | 8°42 | 10°14 | S 21 |
| S 22 | 4 27 18 | 6° 6'50 | 16° 4 | 16°16 | 21°54 | 22°13 | 22°27 | 10°40 | 16°53 | 11°18 | 24°45 | 23°21 | 23°45 | 8°49 | 10°17 | S 22 |
| M23 | 4 31 15 | 7° 7'53 | 28°39 | 17°50 | 23° 9 | 22°45 | 22°35 | 10°39 | 16°52 | 11°18 | 24°45 | 23°19 | 23°42 | 8°55 | 10°20 | M23 |
| T 24 | 4 35 12 | 8° 8'58 | 10♎58 | 19°23 | 24°24 | 23°17 | 22°42 | 10°37 | 16°50 | 11°19 | 24°44 | 23°14 | 23°39 | 9° 2 | 10°23 | T 24 |
| W25 | 4 39 8 | 9°10'04 | 23° 7 | 20°57 | 25°40 | 23°48 | 22°49 | 10°36 | 16°48 | 11°19 | 24°43 | 23° 7 | 23°36 | 9° 9 | 10°26 | W25 |
| T 26 | 4 43 5 | 10°11'11 | 5♏ 8 | 22°30 | 26°55 | 24°19 | 22°55 | 10°34 | 16°46 | 11°20 | 24°42 | 22°57 | 23°33 | 9°15 | 10°29 | T 26 |
| F 27 | 4 47 1 | 11°12'19 | 17° 4 | 24° 3 | 28°10 | 24°51 | 23° 2 | 10°33 | 16°44 | 11°20 | 24°42 | 22°44 | 23°30 | 9°22 | 10°31 | F 27 |
| S 28 | 4 50 58 | 12°13'27 | 28°58 | 25°36 | 29°25 | 25°22 | 23° 9 | 10°32 | 16°42 | 11°20 | 24°41 | 22°30 | 23°26 | 9°29 | 10°34 | S 28 |
| S 29 | 4 54 54 | 13°14'36 | 10♐50 | 27° 9 | 0♑40 | 25°53 | 23°15 | 10°31 | 16°40 | 11°21 | 24°40 | 22°16 | 23°23 | 9°36 | 10°36 | S 29 |
| M30 | 4 58 51 | 14♐15'46 | 22♐41 | 28♐42 | 1♑55 | 26♍24 | 23♍21 | 10♈30 | 16♋38 | 11♍21 | 24♈39 | 22♒ 3 | 23♒20 | 9♐42 | 10♍39 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s22 | 25s31 | 4s58 | 16s 0 | 0s 5 | 19s17 | 0s 2 | 9n 8 | 1n41 | 5n16 | 1n10 | 2n 4 | 2s46 | 22n53 | 0n27 | 8n30 | 1n 6 | 5s53 | 16s47 | 13s 8 | 13s18 | 26s27 | 3n32 | 5s 9 |
| M 2 | 16 39 | 27 16 | 4 44 | 16 35 | 0 12 | 19 37 | 0 5 | 8 55 | 1 41 | 5 12 | 1 10 | 2 2 | 2 46 | 22 53 | 0 27 | 8 30 | 1 6 | 5 53 | 16 47 | 13 13 | 13 19 | 26 28 | 3 29 | 5 9 |
| T 3 | 16 57 | 27 47 | 4 18 | 17 9 | 0 19 | 19 57 | 0 7 | 8 43 | 1 42 | 5 9 | 1 10 | 2 1 | 2 46 | 22 53 | 0 27 | 8 29 | 1 6 | 5 53 | 16 47 | 13 17 | 13 20 | 26 29 | 3 27 | 5 10 |
| W 4 | 17 14 | 27 1 | 3 41 | 17 42 | 0 25 | 20 16 | 0 10 | 8 31 | 1 42 | 5 5 | 1 10 | 2 0 | 2 46 | 22 53 | 0 27 | 8 29 | 1 6 | 5 54 | 16 47 | 13 20 | 13 21 | 26 30 | 3 25 | 5 10 |
| T 5 | 17 31 | 25 0 | 2 54 | 18 15 | 0 32 | 20 34 | 0 12 | 8 18 | 1 43 | 5 1 | 1 10 | 1 59 | 2 46 | 22 53 | 0 27 | 8 29 | 1 6 | 5 54 | 16 46 | 13 22 | 13 22 | 26 31 | 3 23 | 5 11 |
| F 6 | 17 48 | 21 50 | 1 58 | 18 46 | 0 38 | 20 52 | 0 15 | 8 6 | 1 43 | 4 58 | 1 11 | 1 58 | 2 45 | 22 53 | 0 28 | 8 28 | 1 7 | 5 54 | 16 46 | 13 23 | 13 23 | 26 32 | 3 21 | 5 11 |
| S 7 | 18 4 | 17 39 | 0 56 | 19 17 | 0 44 | 21 10 | 0 17 | 7 53 | 1 44 | 4 54 | 1 11 | 1 57 | 2 45 | 22 54 | 0 28 | 8 28 | 1 7 | 5 54 | 16 46 | 13 23 | 13 24 | 26 33 | 3 18 | 5 11 |
| S 8 | 18 20 | 12 36 | 0n10 | 19 46 | 0 50 | 21 26 | 0 20 | 7 41 | 1 44 | 4 51 | 1 11 | 1 56 | 2 45 | 22 54 | 0 28 | 8 27 | 1 7 | 5 54 | 16 46 | 13 23 | 13 25 | 26 34 | 3 16 | 5 12 |
| M 9 | 18 35 | 6 51 | 1 18 | 20 15 | 0 56 | 21 42 | 0 22 | 7 29 | 1 45 | 4 48 | 1 11 | 1 55 | 2 45 | 22 54 | 0 28 | 8 27 | 1 7 | 5 55 | 16 46 | 13 23 | 13 26 | 26 35 | 3 14 | 5 12 |
| T 10 | 18 51 | 0 37 | 2 24 | 20 43 | 1 2 | 21 58 | 0 24 | 7 16 | 1 46 | 4 44 | 1 11 | 1 54 | 2 44 | 22 54 | 0 28 | 8 27 | 1 7 | 5 55 | 16 46 | 13 24 | 13 27 | 26 36 | 3 12 | 5 12 |
| W11 | 19 6 | 5n52 | 3 23 | 21 10 | 1 8 | 22 12 | 0 27 | 7 4 | 1 46 | 4 41 | 1 12 | 1 53 | 2 44 | 22 54 | 0 28 | 8 27 | 1 7 | 5 55 | 16 45 | 13 25 | 13 28 | 26 37 | 3 10 | 5 13 |
| T 12 | 19 20 | 12 16 | 4 12 | 21 35 | 1 14 | 22 27 | 0 29 | 6 51 | 1 47 | 4 38 | 1 12 | 1 52 | 2 44 | 22 54 | 0 28 | 8 26 | 1 7 | 5 55 | 16 45 | 13 28 | 13 29 | 26 38 | 3 8 | 5 13 |
| F 13 | 19 35 | 18 10 | 4 46 | 22 0 | 1 19 | 22 40 | 0 32 | 6 39 | 1 47 | 4 35 | 1 12 | 1 51 | 2 44 | 22 55 | 0 28 | 8 26 | 1 7 | 5 55 | 16 45 | 13 31 | 13 31 | 26 39 | 3 7 | 5 14 |
| S 14 | 19 48 | 23 3 | 5 0 | 22 23 | 1 24 | 22 53 | 0 34 | 6 27 | 1 48 | 4 32 | 1 12 | 1 51 | 2 44 | 22 55 | 0 28 | 8 26 | 1 7 | 5 55 | 16 45 | 13 35 | 13 32 | 26 40 | 3 5 | 5 14 |
| S 15 | 20 2 | 26 22 | 4 52 | 22 46 | 1 30 | 23 5 | 0 36 | 6 15 | 1 48 | 4 29 | 1 12 | 1 50 | 2 43 | 22 55 | 0 28 | 8 25 | 1 7 | 5 55 | 16 45 | 13 39 | 13 33 | 26 41 | 3 3 | 5 14 |
| M16 | 20 15 | 27 43 | 4 24 | 23 7 | 1 34 | 23 16 | 0 39 | 6 2 | 1 49 | 4 26 | 1 13 | 1 49 | 2 43 | 22 55 | 0 28 | 8 25 | 1 7 | 5 56 | 16 44 | 13 42 | 13 34 | 26 42 | 3 1 | 5 15 |
| T 17 | 20 28 | 26 59 | 3 38 | 23 27 | 1 39 | 23 27 | 0 41 | 5 50 | 1 50 | 4 23 | 1 13 | 1 49 | 2 43 | 22 56 | 0 28 | 8 25 | 1 7 | 5 56 | 16 44 | 13 45 | 13 35 | 26 43 | 2 59 | 5 15 |
| W18 | 20 40 | 24 21 | 2 38 | 23 46 | 1 44 | 23 37 | 0 43 | 5 38 | 1 50 | 4 20 | 1 13 | 1 48 | 2 43 | 22 56 | 0 28 | 8 25 | 1 7 | 5 56 | 16 44 | 13 47 | 13 36 | 26 44 | 2 58 | 5 16 |
| T 19 | 20 52 | 20 16 | 1 30 | 24 4 | 1 48 | 23 47 | 0 45 | 5 26 | 1 51 | 4 17 | 1 13 | 1 48 | 2 42 | 22 56 | 0 28 | 8 25 | 1 7 | 5 56 | 16 44 | 13 48 | 13 37 | 26 44 | 2 56 | 5 16 |
| F 20 | 21 4 | 15 13 | 0 18 | 24 20 | 1 52 | 23 55 | 0 48 | 5 13 | 1 51 | 4 14 | 1 14 | 1 47 | 2 42 | 22 56 | 0 28 | 8 24 | 1 7 | 5 56 | 16 43 | 13 48 | 13 38 | 26 45 | 2 54 | 5 17 |
| S 21 | 21 15 | 9 35 | 0s52 | 24 35 | 1 56 | 24 3 | 0 50 | 5 1 | 1 52 | 4 11 | 1 14 | 1 47 | 2 42 | 22 56 | 0 28 | 8 24 | 1 7 | 5 56 | 16 43 | 13 48 | 13 39 | 26 46 | 2 53 | 5 17 |
| S 22 | 21 26 | 3 43 | 1 57 | 24 49 | 1 59 | 24 10 | 0 52 | 4 49 | 1 52 | 4 8 | 1 14 | 1 46 | 2 42 | 22 57 | 0 28 | 8 24 | 1 7 | 5 56 | 16 43 | 13 48 | 13 40 | 26 47 | 2 51 | 5 17 |
| M23 | 21 36 | 2s 8 | 2 55 | 25 1 | 2 2 | 24 17 | 0 54 | 4 37 | 1 53 | 4 6 | 1 14 | 1 46 | 2 41 | 22 57 | 0 28 | 8 24 | 1 7 | 5 56 | 16 43 | 13 49 | 13 41 | 26 48 | 2 49 | 5 18 |
| T 24 | 21 46 | 7 47 | 3 44 | 25 12 | 2 5 | 24 22 | 0 56 | 4 25 | 1 54 | 4 3 | 1 15 | 1 45 | 2 41 | 22 57 | 0 28 | 8 24 | 1 7 | 5 56 | 16 42 | 13 50 | 13 42 | 26 49 | 2 48 | 5 18 |
| W25 | 21 56 | 13 4 | 4 21 | 25 22 | 2 8 | 24 27 | 0 58 | 4 13 | 1 54 | 4 1 | 1 15 | 1 45 | 2 41 | 22 57 | 0 28 | 8 24 | 1 7 | 5 56 | 16 42 | 13 53 | 13 43 | 26 50 | 2 46 | 5 19 |
| T 26 | 22 5 | 17 47 | 4 47 | 25 30 | 2 10 | 24 31 | 1 0 | 4 1 | 1 55 | 3 58 | 1 15 | 1 45 | 2 40 | 22 58 | 0 28 | 8 23 | 1 7 | 5 56 | 16 42 | 13 56 | 13 44 | 26 50 | 2 45 | 5 19 |
| F 27 | 22 14 | 21 47 | 4 59 | 25 37 | 2 11 | 24 35 | 1 2 | 3 49 | 1 55 | 3 56 | 1 15 | 1 45 | 2 40 | 22 58 | 0 28 | 8 23 | 1 8 | 5 56 | 16 42 | 14 0 | 13 45 | 26 51 | 2 44 | 5 20 |
| S 28 | 22 22 | 24 53 | 4 59 | 25 42 | 2 13 | 24 38 | 1 4 | 3 37 | 1 56 | 3 53 | 1 16 | 1 44 | 2 40 | 22 58 | 0 28 | 8 23 | 1 8 | 5 56 | 16 41 | 14 5 | 13 46 | 26 52 | 2 42 | 5 20 |
| S 29 | 22 30 | 26 53 | 4 45 | 25 45 | 2 14 | 24 39 | 1 6 | 3 26 | 1 57 | 3 51 | 1 16 | 1 44 | 2 40 | 22 59 | 0 28 | 8 23 | 1 8 | 5 56 | 16 41 | 14 9 | 13 47 | 26 53 | 2 41 | 5 21 |
| M30 | 22s37 | 27s40 | 4s20 | 25s47 | 2s14 | 24s41 | 1s 8 | 3n14 | 1n57 | 3n49 | 1n16 | 1n44 | 2s39 | 22n59 | 0n28 | 8n23 | 1n 8 | 5s56 | 16s41 | 14s14 | 13s48 | 26s54 | 2n40 | 5s21 |

Julian Day Number = 2128250.5, Delta T = 16m56s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'00, Lahiri = 11°31'01 Julian Calendar 1 Nov. 1114 == Greg. Calendar 8 Nov. 1114


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# ASTRODIENST EPHEMERIS for the year 1114
# geocentric

## DECEMBER 1114 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 2 47 | 15♐16'56 | 4♉34 | 0♉14 | 3♉10 | 26♍54 | 23♍27 | 10°R30 | 16°R36 | 11♍21 | 24°R39 | 21°R52 | 23♒17 | 9♐49 | 10♍41 | T 1 |
| W 2 | 5 6 44 | 16°18'07 | 16°30 | 1°45 | 4°25 | 27°25 | 23°33 | 10♈29 | 16♋34 | 11°21 | 24♈38 | 21♒44 | 23°14 | 9°56 | 10°43 | W 2 |
| T 3 | 5 10 41 | 17°19'18 | 28°32 | 3°16 | 5°41 | 27°55 | 23°39 | 10°29 | 16°32 | 11°21 | 24°37 | 21°38 | 23°10 | 10° 2 | 10°45 | T 3 |
| F 4 | 5 14 37 | 18°20'29 | 10♒40 | 4°46 | 6°56 | 28°25 | 23°44 | 10°28 | 16°30 | 11°22 | 24°37 | 21°35 | 23° 7 | 10° 9 | 10°47 | F 4 |
| S 5 | 5 18 34 | 19°21'40 | 23° 1 | 6°15 | 8°11 | 28°55 | 23°50 | 10°28 | 16°27 | 11°22 | 24°36 | 21°D35 | 23° 4 | 10°16 | 10°48 | S 5 |
| S 6 | 5 22 30 | 20°22'51 | 5♓36 | 7°42 | 9°26 | 29°25 | 23°55 | 10°28 | 16°25 | 11°22 | 24°36 | 21°35 | 23° 1 | 10°23 | 10°50 | S 6 |
| M 7 | 5 26 27 | 21°24'02 | 18°32 | 9° 9 | 10°41 | 29°55 | 24° 0 | 10°D28 | 16°23 | 11°R22 | 24°35 | 21°R36 | 22°58 | 10°29 | 10°52 | M 7 |
| T 8 | 5 30 23 | 22°25'14 | 1♈51 | 10°33 | 11°56 | 0♎25 | 24° 5 | 10°28 | 16°20 | 11°22 | 24°35 | 21°36 | 22°55 | 10°36 | 10°53 | T 8 |
| W 9 | 5 34 20 | 23°26'25 | 15°37 | 11°55 | 13°11 | 0°54 | 24°10 | 10°28 | 16°18 | 11°22 | 24°34 | 21°33 | 22°51 | 10°43 | 10°54 | W 9 |
| T 10 | 5 38 16 | 24°27'35 | 29°51 | 13°15 | 14°26 | 1°24 | 24°14 | 10°28 | 16°16 | 11°22 | 24°34 | 21°29 | 22°48 | 10°50 | 10°55 | T 10 |
| F 11 | 5 42 13 | 25°28'46 | 14♉32 | 14°31 | 15°41 | 1°53 | 24°19 | 10°29 | 16°13 | 11°22 | 24°33 | 21°22 | 22°45 | 10°56 | 10°56 | F 11 |
| S 12 | 5 46 10 | 26°29'57 | 29°35 | 15°44 | 16°56 | 2°22 | 24°23 | 10°29 | 16°11 | 11°21 | 24°33 | 21°14 | 22°42 | 11° 3 | 10°57 | S 12 |
| S 13 | 5 50 6 | 27°31'08 | 14♊50 | 16°53 | 18°11 | 2°50 | 24°27 | 10°30 | 16° 9 | 11°21 | 24°32 | 21° 5 | 22°39 | 11°10 | 10°58 | S 13 |
| M14 | 5 54 3 | 28°32'18 | 0♋ 8 | 17°57 | 19°26 | 3°19 | 24°31 | 10°30 | 16° 6 | 11°21 | 24°32 | 20°57 | 22°36 | 11°16 | 10°59 | M14 |
| T 15 | 5 57 59 | 29°33'29 | 15°17 | 18°56 | 20°41 | 3°48 | 24°35 | 10°31 | 16° 4 | 11°21 | 24°31 | 20°50 | 22°32 | 11°23 | 10°59 | T 15 |
| W16 | 6 1 56 | 0♉34'40 | 0♌ 7 | 19°48 | 21°56 | 4°16 | 24°38 | 10°32 | 16° 1 | 11°21 | 24°31 | 20°46 | 22°29 | 11°30 | 11° 0 | W16 |
| T 17 | 6 5 52 | 1°35'50 | 14°32 | 20°33 | 23°11 | 4°44 | 24°42 | 10°33 | 15°59 | 11°20 | 24°31 | 20°D44 | 22°26 | 11°37 | 11° 0 | T 17 |
| F 18 | 6 9 49 | 2°37'01 | 28°29 | 21° 9 | 24°25 | 5°12 | 24°45 | 10°35 | 15°56 | 11°20 | 24°30 | 20°45 | 22°23 | 11°43 | 11° 0 | F 18 |
| S 19 | 6 13 46 | 3°38'12 | 11♍56 | 21°37 | 25°40 | 5°39 | 24°48 | 10°36 | 15°54 | 11°20 | 24°30 | 20°46 | 22°20 | 11°50 | 11°R 0 | S 19 |
| S 20 | 6 17 42 | 4°39'23 | 24°57 | 21°55 | 26°55 | 6° 7 | 24°51 | 10°37 | 15°51 | 11°19 | 24°30 | 20°47 | 22°16 | 11°57 | 11° 0 | S 20 |
| M21 | 6 21 39 | 5°40'33 | 7♎36 | 22°R 2 | 28°10 | 6°34 | 24°53 | 10°39 | 15°49 | 11°19 | 24°29 | 20°R47 | 22°13 | 12° 3 | 11° 0 | M21 |
| T 22 | 6 25 35 | 6°41'44 | 19°56 | 21°58 | 29°25 | 7° 1 | 24°56 | 10°40 | 15°46 | 11°18 | 24°29 | 20°46 | 22°10 | 12°10 | 11° 0 | T 22 |
| W23 | 6 29 32 | 7°42'55 | 2♏ 3 | 21°42 | 0♒40 | 7°28 | 24°58 | 10°42 | 15°43 | 11°18 | 24°29 | 20°43 | 22° 7 | 12°17 | 11° 0 | W23 |
| T 24 | 6 33 28 | 8°44'05 | 14° 0 | 21°14 | 1°54 | 7°55 | 25° 0 | 10°44 | 15°41 | 11°17 | 24°29 | 20°38 | 22° 4 | 12°24 | 10°59 | T 24 |
| F 25 | 6 37 25 | 9°45'16 | 25°53 | 20°34 | 3° 9 | 8°21 | 25° 2 | 10°46 | 15°38 | 11°17 | 24°29 | 20°31 | 22° 1 | 12°30 | 10°58 | F 25 |
| S 26 | 6 41 21 | 10°46'26 | 7♐44 | 19°44 | 4°24 | 8°47 | 25° 4 | 10°48 | 15°36 | 11°16 | 24°28 | 20°24 | 21°57 | 12°37 | 10°58 | S 26 |
| S 27 | 6 45 18 | 11°47'36 | 19°35 | 18°45 | 5°39 | 9°13 | 25° 5 | 10°50 | 15°33 | 11°15 | 24°28 | 20°16 | 21°54 | 12°44 | 10°57 | S 27 |
| M28 | 6 49 15 | 12°48'45 | 1♑30 | 17°37 | 6°53 | 9°39 | 25° 7 | 10°52 | 15°31 | 11°15 | 24°28 | 20° 8 | 21°51 | 12°50 | 10°56 | M28 |
| T 29 | 6 53 11 | 13°49'54 | 13°29 | 16°24 | 8° 8 | 10° 5 | 25° 8 | 10°55 | 15°28 | 11°14 | 24°28 | 20° 2 | 21°48 | 12°57 | 10°55 | T 29 |
| W30 | 6 57 8 | 14°51'02 | 25°33 | 15° 7 | 9°23 | 10°30 | 25° 9 | 10°57 | 15°25 | 11°13 | 24°28 | 19°58 | 21°45 | 13° 4 | 10°54 | W30 |
| T 31 | 7 1 4 | 15♑52'10 | 7♒46 | 13♑49 | 10♒37 | 10♎55 | 25♍10 | 11♈ 0 | 15♋23 | 11♍12 | 24♈28 | 19♒55 | 21♒42 | 13♐11 | 10♍52 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s44 | 27s11 | 3s42 | 25s47 | 2s14 | 24s41 | 1s10 | 3n 2 | 1n58 | 3n47 | 1n16 | 1n44 | 2s39 | 22n59 | 0n28 | 8n23 | 1n 8 | 5s56 | 16s41 | 14s17 | 13s49 | 26s54 | 2n38 | 5s21 |
| W 2 | 22 51 | 25 26 | 2 55 | 25 46 | 2 14 | 24 40 | 1 12 | 2 51 | 1 58 | 3 45 | 1 17 | 1 44 | 2 39 | 22 59 | 0 28 | 8 23 | 1 8 | 5 56 | 16 40 | 14 20 | 13 51 | 26 55 | 2 37 | 5 22 |
| T 3 | 22 57 | 22 30 | 2 0 | 25 43 | 2 12 | 24 39 | 1 13 | 2 39 | 1 59 | 3 43 | 1 17 | 1 44 | 2 39 | 23 0 | 0 28 | 8 23 | 1 8 | 5 56 | 16 40 | 14 22 | 13 52 | 26 56 | 2 36 | 5 22 |
| F 4 | 23 2 | 18 34 | 0 58 | 25 39 | 2 11 | 24 37 | 1 15 | 2 27 | 2 0 | 3 41 | 1 17 | 1 44 | 2 38 | 23 0 | 0 28 | 8 23 | 1 8 | 5 56 | 16 40 | 14 23 | 13 53 | 26 57 | 2 35 | 5 23 |
| S 5 | 23 8 | 13 48 | 0n 8 | 25 33 | 2 8 | 24 35 | 1 17 | 2 16 | 2 0 | 3 39 | 1 17 | 1 45 | 2 38 | 23 0 | 0 28 | 8 23 | 1 8 | 5 56 | 16 39 | 14 23 | 13 54 | 26 58 | 2 34 | 5 23 |
| S 6 | 23 12 | 8 21 | 1 14 | 25 25 | 2 5 | 24 31 | 1 18 | 2 5 | 2 1 | 3 37 | 1 18 | 1 45 | 2 38 | 23 1 | 0 28 | 8 23 | 1 8 | 5 56 | 16 39 | 14 23 | 13 55 | 26 58 | 2 33 | 5 24 |
| M 7 | 23 17 | 2 26 | 2 19 | 25 16 | 2 2 | 24 27 | 1 20 | 1 53 | 2 1 | 3 35 | 1 18 | 1 45 | 2 37 | 23 1 | 0 28 | 8 23 | 1 8 | 5 56 | 16 39 | 14 22 | 13 56 | 26 59 | 2 32 | 5 24 |
| T 8 | 23 20 | 3n46 | 3 18 | 25 5 | 1 57 | 24 22 | 1 21 | 1 42 | 2 2 | 3 33 | 1 18 | 1 45 | 2 37 | 23 1 | 0 28 | 8 23 | 1 8 | 5 56 | 16 38 | 14 23 | 13 57 | 27 0 | 2 31 | 5 25 |
| W 9 | 23 24 | 9 59 | 4 8 | 24 53 | 1 52 | 24 16 | 1 23 | 1 31 | 2 3 | 3 32 | 1 18 | 1 46 | 2 37 | 23 1 | 0 28 | 8 23 | 1 8 | 5 56 | 16 38 | 14 23 | 13 58 | 27 0 | 2 30 | 5 25 |
| T 10 | 23 26 | 15 54 | 4 44 | 24 39 | 1 46 | 24 10 | 1 24 | 1 20 | 2 3 | 3 30 | 1 19 | 1 46 | 2 37 | 23 2 | 0 28 | 8 23 | 1 8 | 5 55 | 16 38 | 14 25 | 13 59 | 27 1 | 2 29 | 5 26 |
| F 11 | 23 29 | 21 6 | 5 3 | 24 24 | 1 39 | 24 3 | 1 25 | 1 9 | 2 4 | 3 29 | 1 19 | 1 46 | 2 36 | 23 2 | 0 28 | 8 23 | 1 8 | 5 55 | 16 38 | 14 27 | 14 0 | 27 2 | 2 28 | 5 26 |
| S 12 | 23 31 | 25 4 | 5 2 | 24 7 | 1 31 | 23 55 | 1 27 | 0 58 | 2 5 | 3 27 | 1 19 | 1 47 | 2 36 | 23 2 | 0 28 | 8 23 | 1 8 | 5 55 | 16 37 | 14 30 | 14 1 | 27 3 | 2 28 | 5 26 |
| S 13 | 23 32 | 27 19 | 4 40 | 23 50 | 1 22 | 23 46 | 1 28 | 0 47 | 2 5 | 3 26 | 1 20 | 1 47 | 2 36 | 23 3 | 0 28 | 8 24 | 1 8 | 5 55 | 16 37 | 14 32 | 14 2 | 27 3 | 2 27 | 5 27 |
| M14 | 23 33 | 27 31 | 3 57 | 23 32 | 1 12 | 23 37 | 1 29 | 0 36 | 2 6 | 3 25 | 1 20 | 1 48 | 2 35 | 23 3 | 0 28 | 8 24 | 1 8 | 5 55 | 16 37 | 14 35 | 14 3 | 27 4 | 2 26 | 5 27 |
| T 15 | 23 33 | 25 38 | 2 59 | 23 13 | 1 0 | 23 26 | 1 30 | 0 25 | 2 6 | 3 23 | 1 20 | 1 48 | 2 35 | 23 3 | 0 28 | 8 24 | 1 8 | 5 55 | 16 36 | 14 37 | 14 4 | 27 5 | 2 26 | 5 28 |
| W16 | 23 33 | 21 59 | 1 49 | 22 53 | 0 48 | 23 16 | 1 31 | 0 14 | 2 7 | 3 22 | 1 20 | 1 49 | 2 35 | 23 4 | 0 28 | 8 24 | 1 8 | 5 54 | 16 36 | 14 38 | 14 5 | 27 5 | 2 25 | 5 28 |
| T 17 | 23 33 | 17 5 | 0 33 | 22 33 | 0 35 | 23 4 | 1 32 | 0 4 | 2 8 | 3 21 | 1 21 | 1 50 | 2 35 | 23 4 | 0 28 | 8 24 | 1 8 | 5 54 | 16 36 | 14 39 | 14 6 | 27 6 | 2 25 | 5 29 |
| F 18 | 23 32 | 11 25 | 0s42 | 22 13 | 0 20 | 22 52 | 1 33 | 0s 7 | 2 8 | 3 20 | 1 21 | 1 51 | 2 34 | 23 4 | 0 29 | 8 24 | 1 9 | 5 54 | 16 35 | 14 39 | 14 7 | 27 7 | 2 24 | 5 29 |
| S 19 | 23 30 | 5 24 | 1 52 | 21 53 | 0 4 | 22 39 | 1 34 | 0 17 | 2 9 | 3 19 | 1 21 | 1 51 | 2 34 | 23 5 | 0 29 | 8 24 | 1 9 | 5 54 | 16 35 | 14 39 | 14 8 | 27 7 | 2 24 | 5 29 |
| S 20 | 23 28 | 0s39 | 2 54 | 21 34 | 0n12 | 22 25 | 1 35 | 0 28 | 2 10 | 3 18 | 1 22 | 1 52 | 2 34 | 23 5 | 0 29 | 8 25 | 1 9 | 5 54 | 16 35 | 14 38 | 14 9 | 27 8 | 2 23 | 5 30 |
| M21 | 23 26 | 6 29 | 3 46 | 21 15 | 0 30 | 22 11 | 1 35 | 0 38 | 2 10 | 3 17 | 1 22 | 1 53 | 2 33 | 23 5 | 0 29 | 8 25 | 1 9 | 5 53 | 16 34 | 14 38 | 14 10 | 27 9 | 2 23 | 5 30 |
| T 22 | 23 23 | 11 55 | 4 26 | 20 58 | 0 48 | 21 56 | 1 36 | 0 48 | 2 11 | 3 17 | 1 22 | 1 54 | 2 33 | 23 6 | 0 29 | 8 25 | 1 9 | 5 53 | 16 34 | 14 38 | 14 11 | 27 9 | 2 23 | 5 31 |
| W23 | 23 20 | 16 49 | 4 53 | 20 41 | 1 7 | 21 41 | 1 36 | 0 58 | 2 11 | 3 16 | 1 22 | 1 55 | 2 33 | 23 6 | 0 29 | 8 25 | 1 9 | 5 53 | 16 34 | 14 39 | 14 12 | 27 10 | 2 22 | 5 31 |
| T 24 | 23 16 | 21 0 | 5 7 | 20 27 | 1 26 | 21 24 | 1 37 | 1 8 | 2 12 | 3 15 | 1 23 | 1 56 | 2 33 | 23 6 | 0 29 | 8 26 | 1 9 | 5 53 | 16 33 | 14 41 | 14 13 | 27 10 | 2 22 | 5 32 |
| F 25 | 23 12 | 24 18 | 5 8 | 20 14 | 1 45 | 21 8 | 1 37 | 1 18 | 2 13 | 3 15 | 1 23 | 1 57 | 2 32 | 23 6 | 0 29 | 8 26 | 1 9 | 5 52 | 16 33 | 14 43 | 14 14 | 27 11 | 2 22 | 5 32 |
| S 26 | 23 7 | 26 33 | 4 55 | 20 3 | 2 4 | 20 50 | 1 38 | 1 28 | 2 13 | 3 15 | 1 23 | 1 58 | 2 32 | 23 7 | 0 29 | 8 26 | 1 9 | 5 52 | 16 32 | 14 46 | 14 15 | 27 12 | 2 22 | 5 32 |
| S 27 | 23 2 | 27 38 | 4 30 | 19 54 | 2 22 | 20 32 | 1 38 | 1 37 | 2 14 | 3 14 | 1 24 | 1 59 | 2 32 | 23 7 | 0 29 | 8 26 | 1 9 | 5 52 | 16 32 | 14 48 | 14 16 | 27 12 | 2 22 | 5 33 |
| M28 | 22 56 | 27 26 | 3 53 | 19 47 | 2 38 | 20 13 | 1 38 | 1 47 | 2 15 | 3 14 | 1 24 | 2 0 | 2 31 | 23 7 | 0 29 | 8 27 | 1 9 | 5 52 | 16 32 | 14 50 | 14 18 | 27 13 | 2 22 | 5 33 |
| T 29 | 22 50 | 25 56 | 3 5 | 19 41 | 2 53 | 19 54 | 1 38 | 1 56 | 2 15 | 3 14 | 1 24 | 2 1 | 2 31 | 23 8 | 0 29 | 8 27 | 1 9 | 5 51 | 16 31 | 14 52 | 14 19 | 27 13 | 2 22 | 5 34 |
| W30 | 22 43 | 23 15 | 2 9 | 19 38 | 3 5 | 19 34 | 1 38 | 2 5 | 2 16 | 3 14 | 1 24 | 2 3 | 2 31 | 23 8 | 0 29 | 8 27 | 1 9 | 5 51 | 16 31 | 14 54 | 14 20 | 27 14 | 2 22 | 5 34 |
| T 31 | 22s36 | 19s29 | 1s 6 | 19s36 | 3n15 | 19s14 | 1s38 | 2s15 | 2n17 | 3n14 | 1n25 | 2n 4 | 2s31 | 23n 8 | 0n29 | 8n28 | 1n 9 | 5s51 | 16s31 | 14s55 | 14s21 | 27s14 | 2n22 | 5s34 |

Julian Day Number = 2128280.5, Delta T = 16m56s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'04, Lahiri = 11°31'05 Julian Calendar 1 Dec. 1114 == Greg. Calendar 8 Dec. 1114


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## JANUARY 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 5 1 | 16♉53'17 | 20♒ 7 | 12°R32 | 11♒52 | 11♎20 | 25♍10 | 11♈ 2 | 15°R20 | 11°R12 | 24°R28 | 19°D54 | 21♒38 | 13♐17 | 10°R51 | F 1 |
| S 2 | 7 8 57 | 17°54'23 | 2♓39 | 11♉19 | 13° 7 | 11°44 | 25°11 | 11° 5 | 15♋17 | 11♍11 | 24°D28 | 19♒55 | 21°35 | 13°24 | 10♍49 | S 2 |
| S 3 | 7 12 54 | 18°55'28 | 15°25 | 10°11 | 14°21 | 12° 8 | 25°11 | 11° 8 | 15°15 | 11°10 | 24♈28 | 19°57 | 21°32 | 13°31 | 10°48 | S 3 |
| M 4 | 7 16 50 | 19°56'31 | 28°26 | 9° 9 | 15°36 | 12°32 | 25°R11 | 11°11 | 15°12 | 11° 9 | 24°28 | 19°58 | 21°29 | 13°37 | 10°46 | M 4 |
| T 5 | 7 20 47 | 20°57'34 | 11♈45 | 8°16 | 16°50 | 12°56 | 25°11 | 11°14 | 15°10 | 11° 8 | 24°28 | 20° 0 | 21°26 | 13°44 | 10°44 | T 5 |
| W 6 | 7 24 44 | 21°58'36 | 25°25 | 7°31 | 18° 5 | 13°19 | 25°10 | 11°17 | 15° 7 | 11° 7 | 24°28 | 20°R 0 | 21°22 | 13°51 | 10°42 | W 6 |
| T 7 | 7 28 40 | 22°59'36 | 9♉26 | 6°56 | 19°19 | 13°42 | 25°10 | 11°21 | 15° 4 | 11° 6 | 24°28 | 19°59 | 21°19 | 13°58 | 10°40 | T 7 |
| F 8 | 7 32 37 | 24° 0'35 | 23°48 | 6°29 | 20°33 | 14° 5 | 25° 9 | 11°24 | 15° 2 | 11° 5 | 24°28 | 19°57 | 21°16 | 14° 4 | 10°38 | F 8 |
| S 9 | 7 36 33 | 25° 1'34 | 8♊27 | 6°11 | 21°48 | 14°27 | 25° 8 | 11°28 | 14°59 | 11° 4 | 24°28 | 19°54 | 21°13 | 14°11 | 10°36 | S 9 |
| S 10 | 7 40 30 | 26° 2'30 | 23°19 | 6° 2 | 23° 2 | 14°49 | 25° 7 | 11°31 | 14°57 | 11° 3 | 24°29 | 19°50 | 21°10 | 14°18 | 10°33 | S 10 |
| M11 | 7 44 26 | 27° 3'26 | 8♋17 | 6°D 1 | 24°16 | 15°11 | 25° 6 | 11°35 | 14°54 | 11° 2 | 24°29 | 19°47 | 21° 7 | 14°24 | 10°31 | M11 |
| T 12 | 7 48 23 | 28° 4'21 | 23°11 | 6° 7 | 25°31 | 15°33 | 25° 4 | 11°39 | 14°52 | 11° 1 | 24°29 | 19°44 | 21° 3 | 14°31 | 10°28 | T 12 |
| W13 | 7 52 19 | 29° 5'14 | 7♌54 | 6°20 | 26°45 | 15°54 | 25° 3 | 11°42 | 14°49 | 11° 0 | 24°29 | 19°43 | 21° 0 | 14°38 | 10°26 | W13 |
| T 14 | 7 56 16 | 0♒ 6'06 | 22°18 | 6°40 | 27°59 | 16°14 | 25° 1 | 11°46 | 14°47 | 10°59 | 24°29 | 19°D43 | 20°57 | 14°45 | 10°23 | T 14 |
| F 15 | 8 0 13 | 1° 6'57 | 6♍19 | 7° 6 | 29°13 | 16°35 | 24°59 | 11°50 | 14°44 | 10°58 | 24°30 | 19°43 | 20°54 | 14°51 | 10°20 | F 15 |
| S 16 | 8 4 9 | 2° 7'47 | 19°53 | 7°37 | 0♓27 | 16°55 | 24°56 | 11°55 | 14°42 | 10°56 | 24°30 | 19°44 | 20°51 | 14°58 | 10°17 | S 16 |
| S 17 | 8 8 6 | 3° 8'36 | 3♎ 3 | 8°14 | 1°41 | 17°15 | 24°54 | 11°59 | 14°39 | 10°55 | 24°30 | 19°46 | 20°48 | 15° 5 | 10°14 | S 17 |
| M18 | 8 12 2 | 4° 9'24 | 15°48 | 8°55 | 2°55 | 17°34 | 24°51 | 12° 3 | 14°37 | 10°54 | 24°31 | 19°47 | 20°44 | 15°11 | 10°11 | M18 |
| T 19 | 8 15 59 | 5°10'11 | 28°14 | 9°40 | 4° 9 | 17°53 | 24°48 | 12° 7 | 14°34 | 10°53 | 24°31 | 19°48 | 20°41 | 15°18 | 10° 8 | T 19 |
| W20 | 8 19 55 | 6°10'57 | 10♏25 | 10°29 | 5°23 | 18°12 | 24°45 | 12°12 | 14°32 | 10°51 | 24°31 | 19°R48 | 20°38 | 15°25 | 10° 5 | W20 |
| T 21 | 8 23 52 | 7°11'42 | 22°24 | 11°22 | 6°37 | 18°30 | 24°42 | 12°17 | 14°30 | 10°50 | 24°32 | 19°47 | 20°35 | 15°32 | 10° 1 | T 21 |
| F 22 | 8 27 48 | 8°12'26 | 4♐16 | 12°18 | 7°51 | 18°48 | 24°39 | 12°21 | 14°27 | 10°49 | 24°32 | 19°46 | 20°32 | 15°38 | 9°58 | F 22 |
| S 23 | 8 31 45 | 9°13'09 | 16° 7 | 13°17 | 9° 5 | 19° 5 | 24°35 | 12°26 | 14°25 | 10°48 | 24°33 | 19°45 | 20°28 | 15°45 | 9°54 | S 23 |
| S 24 | 8 35 42 | 10°13'50 | 27°59 | 14°18 | 10°18 | 19°22 | 24°32 | 12°31 | 14°23 | 10°46 | 24°33 | 19°43 | 20°25 | 15°52 | 9°51 | S 24 |
| M25 | 8 39 38 | 11°14'31 | 9♑57 | 15°22 | 11°32 | 19°38 | 24°28 | 12°36 | 14°21 | 10°45 | 24°34 | 19°42 | 20°22 | 15°58 | 9°47 | M25 |
| T 26 | 8 43 35 | 12°15'10 | 22° 3 | 16°28 | 12°46 | 19°54 | 24°24 | 12°41 | 14°18 | 10°43 | 24°34 | 19°41 | 20°19 | 16° 5 | 9°43 | T 26 |
| W27 | 8 47 31 | 13°15'47 | 4♒18 | 17°37 | 13°59 | 20°10 | 24°19 | 12°46 | 14°16 | 10°42 | 24°35 | 19°40 | 20°16 | 16°12 | 9°39 | W27 |
| T 28 | 8 51 28 | 14°16'23 | 16°46 | 18°47 | 15°13 | 20°25 | 24°15 | 12°51 | 14°14 | 10°41 | 24°35 | 19°D40 | 20°13 | 16°18 | 9°35 | T 28 |
| F 29 | 8 55 24 | 15°16'57 | 29°25 | 20° 0 | 16°26 | 20°39 | 24°11 | 12°56 | 14°12 | 10°39 | 24°36 | 19°40 | 20° 9 | 16°25 | 9°31 | F 29 |
| S 30 | 8 59 21 | 16°17'30 | 12♓18 | 21°14 | 17°40 | 20°53 | 24° 6 | 13° 1 | 14°10 | 10°38 | 24°36 | 19°40 | 20° 6 | 16°32 | 9°27 | S 30 |
| S 31 | 9 3 17 | 17♒18'01 | 25♓24 | 22♑30 | 18♓53 | 21♎ 7 | 24♍ 1 | 13♈ 7 | 14♋ 8 | 10♍36 | 24♈37 | 19♒41 | 20♒ 3 | 16♐39 | 9♍23 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s29 | 14s50 | 0n 1 | 19s36 | 3n23 | 18s53 | 1s38 | 2s24 | 2n17 | 3n14 | 1n25 | 2n 5 | 2s30 | 23n 9 | 0n29 | 8n28 | 1n 9 | 5s50 | 16s30 | 14s55 | 14s22 | 27s15 | 2n22 | 5s35 |
| S 2 | 22 21 | 9 30 | 1 9 | 19 37 | 3 28 | 18 32 | 1 38 | 2 33 | 2 18 | 3 14 | 1 25 | 2 6 | 2 30 | 23 9 | 0 29 | 8 28 | 1 9 | 5 50 | 16 30 | 14 55 | 14 23 | 27 16 | 2 22 | 5 35 |
| S 3 | 22 13 | 3 42 | 2 15 | 19 40 | 3 31 | 18 10 | 1 38 | 2 42 | 2 19 | 3 14 | 1 26 | 2 8 | 2 30 | 23 9 | 0 29 | 8 29 | 1 9 | 5 50 | 16 30 | 14 54 | 14 24 | 27 16 | 2 23 | 5 35 |
| M 4 | 22 4 | 2n22 | 3 15 | 19 43 | 3 31 | 17 47 | 1 38 | 2 50 | 2 19 | 3 14 | 1 26 | 2 9 | 2 30 | 23 10 | 0 29 | 8 29 | 1 9 | 5 49 | 16 29 | 14 54 | 14 25 | 27 17 | 2 23 | 5 36 |
| T 5 | 21 55 | 8 27 | 4 7 | 19 49 | 3 30 | 17 25 | 1 37 | 2 59 | 2 20 | 3 14 | 1 26 | 2 11 | 2 29 | 23 10 | 0 29 | 8 29 | 1 9 | 5 49 | 16 29 | 14 53 | 14 26 | 27 17 | 2 23 | 5 36 |
| W 6 | 21 45 | 14 18 | 4 45 | 19 55 | 3 26 | 17 1 | 1 37 | 3 7 | 2 21 | 3 15 | 1 26 | 2 12 | 2 29 | 23 10 | 0 29 | 8 30 | 1 9 | 5 49 | 16 29 | 14 53 | 14 27 | 27 18 | 2 24 | 5 37 |
| T 7 | 21 35 | 19 34 | 5 8 | 20 2 | 3 21 | 16 37 | 1 36 | 3 16 | 2 21 | 3 15 | 1 27 | 2 14 | 2 29 | 23 10 | 0 29 | 8 30 | 1 9 | 5 48 | 16 28 | 14 53 | 14 28 | 27 18 | 2 24 | 5 37 |
| F 8 | 21 25 | 23 52 | 5 13 | 20 10 | 3 14 | 16 13 | 1 36 | 3 24 | 2 22 | 3 16 | 1 27 | 2 15 | 2 28 | 23 11 | 0 29 | 8 31 | 1 9 | 5 48 | 16 28 | 14 54 | 14 29 | 27 19 | 2 25 | 5 37 |
| S 9 | 21 14 | 26 43 | 4 58 | 20 18 | 3 7 | 15 48 | 1 35 | 3 32 | 2 23 | 3 17 | 1 27 | 2 17 | 2 28 | 23 11 | 0 29 | 8 31 | 1 9 | 5 48 | 16 27 | 14 55 | 14 30 | 27 19 | 2 25 | 5 37 |
| S 10 | 21 3 | 27 45 | 4 22 | 20 27 | 2 58 | 15 23 | 1 34 | 3 40 | 2 23 | 3 17 | 1 28 | 2 19 | 2 28 | 23 11 | 0 29 | 8 32 | 1 10 | 5 47 | 16 27 | 14 56 | 14 31 | 27 20 | 2 26 | 5 38 |
| M11 | 20 51 | 26 46 | 3 29 | 20 37 | 2 48 | 14 58 | 1 33 | 3 48 | 2 24 | 3 18 | 1 28 | 2 20 | 2 28 | 23 12 | 0 29 | 8 32 | 1 10 | 5 47 | 16 27 | 14 57 | 14 32 | 27 20 | 2 27 | 5 38 |
| T 12 | 20 39 | 23 52 | 2 21 | 20 47 | 2 38 | 14 32 | 1 32 | 3 55 | 2 25 | 3 19 | 1 28 | 2 22 | 2 27 | 23 12 | 0 29 | 8 32 | 1 10 | 5 46 | 16 26 | 14 58 | 14 33 | 27 21 | 2 27 | 5 38 |
| W13 | 20 26 | 19 25 | 1 5 | 20 56 | 2 28 | 14 5 | 1 31 | 4 3 | 2 25 | 3 20 | 1 28 | 2 24 | 2 27 | 23 12 | 0 29 | 8 33 | 1 10 | 5 46 | 16 26 | 14 59 | 14 34 | 27 21 | 2 28 | 5 39 |
| T 14 | 20 14 | 13 55 | 0s14 | 21 6 | 2 17 | 13 39 | 1 30 | 4 10 | 2 26 | 3 21 | 1 29 | 2 25 | 2 27 | 23 12 | 0 29 | 8 33 | 1 10 | 5 46 | 16 26 | 14 59 | 14 35 | 27 21 | 2 29 | 5 39 |
| F 15 | 20 0 | 7 50 | 1 30 | 21 16 | 2 7 | 13 12 | 1 29 | 4 18 | 2 27 | 3 22 | 1 29 | 2 27 | 2 27 | 23 13 | 0 29 | 8 34 | 1 10 | 5 45 | 16 25 | 14 58 | 14 36 | 27 22 | 2 30 | 5 39 |
| S 16 | 19 47 | 1 35 | 2 39 | 21 25 | 1 56 | 12 44 | 1 28 | 4 25 | 2 27 | 3 23 | 1 29 | 2 29 | 2 26 | 23 13 | 0 29 | 8 34 | 1 10 | 5 45 | 16 25 | 14 58 | 14 37 | 27 22 | 2 31 | 5 39 |
| S 17 | 19 33 | 4s32 | 3 37 | 21 34 | 1 45 | 12 16 | 1 27 | 4 32 | 2 28 | 3 24 | 1 29 | 2 31 | 2 26 | 23 13 | 0 29 | 8 35 | 1 10 | 5 44 | 16 25 | 14 58 | 14 38 | 27 23 | 2 31 | 5 40 |
| M18 | 19 19 | 10 17 | 4 22 | 21 42 | 1 34 | 11 48 | 1 25 | 4 38 | 2 29 | 3 26 | 1 30 | 2 33 | 2 26 | 23 14 | 0 29 | 8 35 | 1 10 | 5 44 | 16 24 | 14 57 | 14 39 | 27 23 | 2 32 | 5 40 |
| T 19 | 19 4 | 15 28 | 4 54 | 21 50 | 1 23 | 11 20 | 1 24 | 4 45 | 2 29 | 3 27 | 1 30 | 2 35 | 2 26 | 23 14 | 0 29 | 8 36 | 1 10 | 5 43 | 16 24 | 14 57 | 14 40 | 27 23 | 2 33 | 5 40 |
| W20 | 18 49 | 19 57 | 5 12 | 21 57 | 1 12 | 10 51 | 1 22 | 4 52 | 2 30 | 3 28 | 1 30 | 2 37 | 2 25 | 23 14 | 0 29 | 8 36 | 1 10 | 5 43 | 16 24 | 14 57 | 14 41 | 27 24 | 2 34 | 5 40 |
| T 21 | 18 34 | 23 32 | 5 16 | 22 3 | 1 1 | 10 23 | 1 21 | 4 58 | 2 31 | 3 30 | 1 31 | 2 39 | 2 25 | 23 14 | 0 29 | 8 37 | 1 10 | 5 42 | 16 23 | 14 57 | 14 42 | 27 24 | 2 35 | 5 41 |
| F 22 | 18 18 | 26 7 | 5 6 | 22 9 | 0 51 | 9 53 | 1 19 | 5 4 | 2 31 | 3 31 | 1 31 | 2 41 | 2 25 | 23 15 | 0 29 | 8 37 | 1 10 | 5 42 | 16 23 | 14 58 | 14 43 | 27 25 | 2 37 | 5 41 |
| S 23 | 18 2 | 27 32 | 4 44 | 22 13 | 0 40 | 9 24 | 1 17 | 5 10 | 2 32 | 3 33 | 1 31 | 2 43 | 2 25 | 23 15 | 0 29 | 8 38 | 1 10 | 5 41 | 16 23 | 14 58 | 14 44 | 27 25 | 2 38 | 5 41 |
| S 24 | 17 46 | 27 41 | 4 9 | 22 17 | 0 30 | 8 54 | 1 16 | 5 16 | 2 32 | 3 35 | 1 31 | 2 45 | 2 25 | 23 15 | 0 29 | 8 39 | 1 10 | 5 41 | 16 22 | 14 58 | 14 45 | 27 25 | 2 39 | 5 41 |
| M25 | 17 29 | 26 33 | 3 23 | 22 20 | 0 20 | 8 24 | 1 14 | 5 21 | 2 33 | 3 37 | 1 32 | 2 47 | 2 24 | 23 15 | 0 29 | 8 39 | 1 10 | 5 40 | 16 22 | 14 59 | 14 46 | 27 26 | 2 40 | 5 41 |
| T 26 | 17 12 | 24 10 | 2 27 | 22 21 | 0 11 | 7 54 | 1 12 | 5 27 | 2 34 | 3 38 | 1 32 | 2 49 | 2 24 | 23 16 | 0 29 | 8 40 | 1 10 | 5 40 | 16 21 | 14 59 | 14 47 | 27 26 | 2 41 | 5 41 |
| W27 | 16 55 | 20 38 | 1 24 | 22 22 | 0 1 | 7 24 | 1 10 | 5 32 | 2 34 | 3 40 | 1 32 | 2 51 | 2 24 | 23 16 | 0 29 | 8 40 | 1 10 | 5 39 | 16 21 | 14 59 | 14 48 | 27 26 | 2 43 | 5 42 |
| T 28 | 16 38 | 16 9 | 0 16 | 22 22 | 0s 8 | 6 54 | 1 8 | 5 37 | 2 35 | 3 42 | 1 32 | 2 54 | 2 24 | 23 16 | 0 29 | 8 41 | 1 10 | 5 39 | 16 21 | 14 59 | 14 49 | 27 27 | 2 44 | 5 42 |
| F 29 | 16 20 | 10 53 | 0n54 | 22 20 | 0 17 | 6 23 | 1 6 | 5 42 | 2 36 | 3 44 | 1 33 | 2 56 | 2 23 | 23 16 | 0 29 | 8 41 | 1 10 | 5 38 | 16 20 | 14 59 | 14 50 | 27 27 | 2 45 | 5 42 |
| S 30 | 16 2 | 5 6 | 2 2 | 22 17 | 0 25 | 5 52 | 1 3 | 5 47 | 2 36 | 3 46 | 1 33 | 2 58 | 2 23 | 23 16 | 0 29 | 8 42 | 1 10 | 5 38 | 16 20 | 14 59 | 14 51 | 27 27 | 2 47 | 5 42 |
| S 31 | 15s44 | 1n 0 | 3n 6 | 22s13 | 0s33 | 5s21 | 1s 1 | 5s51 | 2n37 | 3n49 | 1n33 | 3n 0 | 2s23 | 23n17 | 0n29 | 8n43 | 1n10 | 5s37 | 16s20 | 14s59 | 14s52 | 27s28 | 2n48 | 5s42 |

Julian Day Number = 2128311.5, Delta T = 16m56s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'08, Lahiri = 11°31'09 Julian Calendar 1 Jan. 1115 == Greg. Calendar 8 Jan. 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## FEBRUARY 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 7 14 | 18♒18'30 | 8♈44 | 23♉47 | 20♓ 7 | 21♎20 | 23°R56 | 13♈12 | 14°R 6 | 10°R35 | 24♈38 | 19♒41 | 20♒ 0 | 16♐45 | 9°R19 | M 1 |
| T 2 | 9 11 11 | 19°18'57 | 22°16 | 25° 6 | 21°20 | 21°33 | 23♍51 | 13°18 | 14♋ 4 | 10♍33 | 24°38 | 19°R41 | 19°57 | 16°52 | 9♍15 | T 2 |
| W 3 | 9 15 7 | 20°19'22 | 6♉ 2 | 26°26 | 22°33 | 21°45 | 23°45 | 13°23 | 14° 2 | 10°32 | 24°39 | 19°41 | 19°54 | 16°59 | 9°11 | W 3 |
| T 4 | 9 19 4 | 21°19'45 | 20° 1 | 27°48 | 23°46 | 21°56 | 23°40 | 13°29 | 14° 0 | 10°30 | 24°40 | 19°D41 | 19°50 | 17° 5 | 9° 6 | T 4 |
| F 5 | 9 23 0 | 22°20'07 | 4♊11 | 29°10 | 24°59 | 22° 7 | 23°34 | 13°35 | 13°58 | 10°28 | 24°40 | 19°41 | 19°47 | 17°12 | 9° 2 | F 5 |
| S 6 | 9 26 57 | 23°20'26 | 18°30 | 0♒35 | 26°12 | 22°17 | 23°28 | 13°41 | 13°56 | 10°27 | 24°41 | 19°41 | 19°44 | 17°19 | 8°58 | S 6 |
| S 7 | 9 30 53 | 24°20'43 | 2♋56 | 2° 0 | 27°25 | 22°27 | 23°23 | 13°46 | 13°54 | 10°25 | 24°42 | 19°41 | 19°41 | 17°26 | 8°53 | S 7 |
| M 8 | 9 34 50 | 25°20'58 | 17°24 | 3°27 | 28°38 | 22°36 | 23°17 | 13°52 | 13°52 | 10°24 | 24°43 | 19°42 | 19°38 | 17°32 | 8°49 | M 8 |
| T 9 | 9 38 46 | 26°21'12 | 1♌51 | 4°54 | 29°51 | 22°45 | 23°10 | 13°58 | 13°51 | 10°22 | 24°43 | 19°42 | 19°34 | 17°39 | 8°44 | T 9 |
| W10 | 9 42 43 | 27°21'23 | 16°10 | 6°23 | 1♈ 4 | 22°53 | 23° 4 | 14° 4 | 13°49 | 10°21 | 24°44 | 19°R43 | 19°31 | 17°46 | 8°40 | W10 |
| T 11 | 9 46 40 | 28°21'32 | 0♍17 | 7°54 | 2°16 | 23° 1 | 22°58 | 14°10 | 13°47 | 10°19 | 24°45 | 19°43 | 19°28 | 17°52 | 8°35 | T 11 |
| F 12 | 9 50 36 | 29°21'39 | 14° 7 | 9°25 | 3°29 | 23° 7 | 22°51 | 14°17 | 13°46 | 10°17 | 24°46 | 19°42 | 19°25 | 17°59 | 8°31 | F 12 |
| S 13 | 9 54 33 | 0♓21'44 | 27°37 | 10°57 | 4°42 | 23°13 | 22°45 | 14°23 | 13°44 | 10°16 | 24°47 | 19°41 | 19°22 | 18° 6 | 8°26 | S 13 |
| S 14 | 9 58 29 | 1°21'48 | 10♎47 | 12°31 | 5°54 | 23°19 | 22°38 | 14°29 | 13°43 | 10°14 | 24°48 | 19°39 | 19°19 | 18°13 | 8°21 | S 14 |
| M15 | 10 2 26 | 2°21'50 | 23°36 | 14° 5 | 7° 6 | 23°24 | 22°31 | 14°35 | 13°41 | 10°12 | 24°48 | 19°38 | 19°15 | 18°19 | 8°17 | M15 |
| T 16 | 10 6 22 | 3°21'50 | 6♏ 5 | 15°41 | 8°19 | 23°28 | 22°24 | 14°42 | 13°40 | 10°11 | 24°49 | 19°36 | 19°12 | 18°26 | 8°12 | T 16 |
| W17 | 10 10 19 | 4°21'49 | 18°19 | 17°18 | 9°31 | 23°31 | 22°17 | 14°48 | 13°38 | 10° 9 | 24°50 | 19°35 | 19° 9 | 18°33 | 8° 7 | W17 |
| T 18 | 10 14 15 | 5°21'46 | 0♐21 | 18°56 | 10°43 | 23°34 | 22°10 | 14°55 | 13°37 | 10° 7 | 24°51 | 19°D34 | 19° 6 | 18°39 | 8° 2 | T 18 |
| F 19 | 10 18 12 | 6°21'41 | 12°15 | 20°35 | 11°55 | 23°36 | 22° 3 | 15° 1 | 13°36 | 10° 6 | 24°52 | 19°34 | 19° 3 | 18°46 | 7°58 | F 19 |
| S 20 | 10 22 9 | 7°21'35 | 24° 6 | 22°15 | 13° 7 | 23°38 | 21°56 | 15° 8 | 13°34 | 10° 4 | 24°53 | 19°35 | 18°59 | 18°53 | 7°53 | S 20 |
| S 21 | 10 26 5 | 8°21'27 | 5♉59 | 23°56 | 14°19 | 23°R38 | 21°48 | 15°15 | 13°33 | 10° 2 | 24°54 | 19°36 | 18°56 | 18°59 | 7°48 | S 21 |
| M22 | 10 30 2 | 9°21'17 | 17°59 | 25°39 | 15°31 | 23°38 | 21°41 | 15°21 | 13°32 | 10° 1 | 24°55 | 19°38 | 18°53 | 19° 6 | 7°44 | M22 |
| T 23 | 10 33 58 | 10°21'05 | 0♒10 | 27°23 | 16°43 | 23°37 | 21°34 | 15°28 | 13°31 | 9°59 | 24°56 | 19°39 | 18°50 | 19°13 | 7°39 | T 23 |
| W24 | 10 37 55 | 11°20'52 | 12°34 | 29° 8 | 17°54 | 23°36 | 21°26 | 15°35 | 13°30 | 9°57 | 24°57 | 19°40 | 18°47 | 19°20 | 7°34 | W24 |
| T 25 | 10 41 51 | 12°20'36 | 25°15 | 0♓54 | 19° 6 | 23°33 | 21°18 | 15°42 | 13°29 | 9°56 | 24°58 | 19°R40 | 18°44 | 19°26 | 7°29 | T 25 |
| F 26 | 10 45 48 | 13°20'19 | 8♓13 | 2°41 | 20°17 | 23°30 | 21°11 | 15°49 | 13°28 | 9°54 | 24°59 | 19°39 | 18°40 | 19°33 | 7°25 | F 26 |
| S 27 | 10 49 44 | 14°19'59 | 21°29 | 4°30 | 21°29 | 23°26 | 21° 3 | 15°56 | 13°27 | 9°52 | 25° 0 | 19°37 | 18°37 | 19°40 | 7°20 | S 27 |
| S 28 | 10 53 41 | 15♓19'37 | 5♈ 1 | 6♓19 | 22♈40 | 23♎22 | 20♍56 | 16♈ 3 | 13♋26 | 9♍51 | 25♈ 1 | 19♒33 | 18♒34 | 19♐46 | 7♍15 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15s25 | 7n 9 | 4n 0 | 22s 8 | 0s41 | 4s50 | 0s59 | 5s56 | 2n37 | 3n51 | 1n33 | 3n 3 | 2s23 | 23n17 | 0n29 | 8n43 | 1n10 | 5s37 | 16s20 | 14s59 | 14s53 | 27s28 | 2n50 | 5s42 |
| T 2 | 15 6 | 13 4 | 4 42 | 22 1 | 0 49 | 4 19 | 0 56 | 6 0 | 2 38 | 3 53 | 1 33 | 3 5 | 2 23 | 23 17 | 0 29 | 8 44 | 1 10 | 5 36 | 16 19 | 14 59 | 14 54 | 27 28 | 2 51 | 5 42 |
| W 3 | 14 47 | 18 26 | 5 8 | 21 54 | 0 56 | 3 48 | 0 54 | 6 4 | 2 39 | 3 55 | 1 34 | 3 7 | 2 22 | 23 17 | 0 29 | 8 44 | 1 10 | 5 36 | 16 19 | 14 59 | 14 55 | 27 29 | 2 53 | 5 42 |
| T 4 | 14 28 | 22 55 | 5 17 | 21 44 | 1 3 | 3 16 | 0 51 | 6 8 | 2 39 | 3 58 | 1 34 | 3 10 | 2 22 | 23 17 | 0 29 | 8 45 | 1 10 | 5 35 | 16 19 | 14 59 | 14 56 | 27 29 | 2 54 | 5 42 |
| F 5 | 14 8 | 26 7 | 5 7 | 21 34 | 1 10 | 2 45 | 0 49 | 6 11 | 2 40 | 4 0 | 1 34 | 3 12 | 2 22 | 23 18 | 0 29 | 8 46 | 1 10 | 5 35 | 16 18 | 14 59 | 14 57 | 27 29 | 2 56 | 5 42 |
| S 6 | 13 48 | 27 40 | 4 38 | 21 22 | 1 17 | 2 13 | 0 46 | 6 14 | 2 40 | 4 3 | 1 34 | 3 15 | 2 22 | 23 18 | 0 29 | 8 46 | 1 10 | 5 34 | 16 18 | 14 59 | 14 58 | 27 29 | 2 58 | 5 42 |
| S 7 | 13 28 | 27 23 | 3 51 | 21 9 | 1 23 | 1 42 | 0 43 | 6 18 | 2 41 | 4 5 | 1 34 | 3 17 | 2 22 | 23 18 | 0 29 | 8 47 | 1 10 | 5 34 | 16 18 | 14 59 | 14 59 | 27 30 | 2 59 | 5 42 |
| M 8 | 13 8 | 25 13 | 2 50 | 20 55 | 1 29 | 1 10 | 0 41 | 6 21 | 2 41 | 4 8 | 1 35 | 3 20 | 2 21 | 23 18 | 0 29 | 8 47 | 1 10 | 5 33 | 16 17 | 14 59 | 15 0 | 27 30 | 3 1 | 5 42 |
| T 9 | 12 48 | 21 26 | 1 37 | 20 39 | 1 34 | 0 38 | 0 38 | 6 23 | 2 42 | 4 10 | 1 35 | 3 22 | 2 21 | 23 18 | 0 29 | 8 48 | 1 10 | 5 33 | 16 17 | 14 59 | 15 1 | 27 30 | 3 3 | 5 42 |
| W10 | 12 27 | 16 23 | 0 20 | 20 22 | 1 39 | 0 7 | 0 35 | 6 26 | 2 42 | 4 13 | 1 35 | 3 25 | 2 21 | 23 19 | 0 29 | 8 49 | 1 10 | 5 32 | 16 17 | 14 59 | 15 2 | 27 30 | 3 4 | 5 42 |
| T 11 | 12 6 | 10 31 | 0s58 | 20 3 | 1 44 | 0n25 | 0 32 | 6 28 | 2 43 | 4 16 | 1 35 | 3 27 | 2 21 | 23 19 | 0 29 | 8 49 | 1 10 | 5 31 | 16 16 | 14 59 | 15 3 | 27 31 | 3 6 | 5 42 |
| F 12 | 11 45 | 4 16 | 2 11 | 19 43 | 1 48 | 0 57 | 0 29 | 6 30 | 2 43 | 4 18 | 1 35 | 3 30 | 2 21 | 23 19 | 0 29 | 8 50 | 1 10 | 5 31 | 16 16 | 14 59 | 15 4 | 27 31 | 3 8 | 5 42 |
| S 13 | 11 24 | 2s 2 | 3 15 | 19 22 | 1 52 | 1 28 | 0 26 | 6 32 | 2 44 | 4 21 | 1 36 | 3 32 | 2 21 | 23 19 | 0 29 | 8 51 | 1 10 | 5 30 | 16 16 | 14 59 | 15 5 | 27 31 | 3 10 | 5 42 |
| S 14 | 11 3 | 8 4 | 4 6 | 18 59 | 1 56 | 2 0 | 0 23 | 6 34 | 2 44 | 4 24 | 1 36 | 3 35 | 2 20 | 23 19 | 0 29 | 8 51 | 1 10 | 5 30 | 16 16 | 15 0 | 15 6 | 27 31 | 3 11 | 5 42 |
| M15 | 10 41 | 13 36 | 4 44 | 18 35 | 1 59 | 2 32 | 0 20 | 6 35 | 2 44 | 4 27 | 1 36 | 3 38 | 2 20 | 23 19 | 0 29 | 8 52 | 1 11 | 5 29 | 16 15 | 15 0 | 15 7 | 27 31 | 3 13 | 5 42 |
| T 16 | 10 19 | 18 26 | 5 7 | 18 9 | 2 2 | 3 3 | 0 17 | 6 36 | 2 45 | 4 30 | 1 36 | 3 40 | 2 20 | 23 19 | 0 29 | 8 53 | 1 11 | 5 29 | 16 15 | 15 1 | 15 8 | 27 32 | 3 15 | 5 42 |
| W17 | 9 57 | 22 25 | 5 16 | 17 42 | 2 5 | 3 35 | 0 14 | 6 37 | 2 45 | 4 33 | 1 36 | 3 43 | 2 20 | 23 20 | 0 29 | 8 53 | 1 11 | 5 28 | 16 15 | 15 1 | 15 9 | 27 32 | 3 17 | 5 42 |
| T 18 | 9 35 | 25 23 | 5 11 | 17 14 | 2 7 | 4 6 | 0 10 | 6 38 | 2 45 | 4 36 | 1 36 | 3 45 | 2 20 | 23 20 | 0 29 | 8 54 | 1 11 | 5 27 | 16 14 | 15 1 | 15 10 | 27 32 | 3 19 | 5 41 |
| F 19 | 9 13 | 27 11 | 4 52 | 16 44 | 2 8 | 4 37 | 0 7 | 6 39 | 2 46 | 4 39 | 1 36 | 3 48 | 2 20 | 23 20 | 0 28 | 8 54 | 1 11 | 5 27 | 16 14 | 15 1 | 15 11 | 27 32 | 3 21 | 5 41 |
| S 20 | 8 51 | 27 46 | 4 21 | 16 12 | 2 10 | 5 9 | 0 4 | 6 39 | 2 46 | 4 42 | 1 37 | 3 51 | 2 19 | 23 20 | 0 28 | 8 55 | 1 11 | 5 26 | 16 14 | 15 1 | 15 12 | 27 32 | 3 23 | 5 41 |
| S 21 | 8 29 | 27 3 | 3 38 | 15 39 | 2 10 | 5 40 | 0 1 | 6 39 | 2 46 | 4 45 | 1 37 | 3 54 | 2 19 | 23 20 | 0 28 | 8 56 | 1 11 | 5 26 | 16 14 | 15 1 | 15 13 | 27 32 | 3 25 | 5 41 |
| M22 | 8 6 | 25 5 | 2 46 | 15 5 | 2 11 | 6 11 | 0n 3 | 6 39 | 2 46 | 4 48 | 1 37 | 3 56 | 2 19 | 23 20 | 0 28 | 8 56 | 1 11 | 5 25 | 16 13 | 15 0 | 15 14 | 27 32 | 3 27 | 5 41 |
| T 23 | 7 43 | 21 56 | 1 46 | 14 29 | 2 11 | 6 42 | 0 6 | 6 38 | 2 47 | 4 51 | 1 37 | 3 59 | 2 19 | 23 20 | 0 28 | 8 57 | 1 11 | 5 24 | 16 13 | 15 0 | 15 15 | 27 33 | 3 29 | 5 40 |
| W24 | 7 21 | 17 45 | 0 39 | 13 52 | 2 10 | 7 12 | 0 10 | 6 37 | 2 47 | 4 54 | 1 37 | 4 2 | 2 19 | 23 20 | 0 28 | 8 58 | 1 11 | 5 24 | 16 13 | 14 59 | 15 16 | 27 33 | 3 31 | 5 40 |
| T 25 | 6 58 | 12 41 | 0n31 | 13 13 | 2 9 | 7 43 | 0 13 | 6 36 | 2 47 | 4 57 | 1 37 | 4 5 | 2 19 | 23 20 | 0 28 | 8 58 | 1 11 | 5 23 | 16 13 | 14 59 | 15 17 | 27 33 | 3 32 | 5 40 |
| F 26 | 6 35 | 6 59 | 1 40 | 12 33 | 2 8 | 8 13 | 0 17 | 6 35 | 2 47 | 5 0 | 1 37 | 4 7 | 2 19 | 23 21 | 0 28 | 8 59 | 1 11 | 5 23 | 16 12 | 15 0 | 15 18 | 27 33 | 3 34 | 5 40 |
| S 27 | 6 12 | 0 51 | 2 46 | 11 52 | 2 6 | 8 44 | 0 20 | 6 34 | 2 47 | 5 3 | 1 37 | 4 10 | 2 18 | 23 21 | 0 28 | 9 0 | 1 11 | 5 22 | 16 12 | 15 0 | 15 19 | 27 33 | 3 36 | 5 39 |
| S 28 | 5s49 | 5n25 | 3n44 | 11s 9 | 2s 3 | 9n14 | 0n24 | 6s32 | 2n47 | 5n 6 | 1n37 | 4n13 | 2s18 | 23n21 | 0n28 | 9n 0 | 1n11 | 5s21 | 16s12 | 15s 2 | 15s20 | 27s33 | 3n38 | 5s39 |

Julian Day Number = 2128342.5, Delta T = 16m55s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'13, Lahiri = 11°31'13 Julian Calendar 1 Feb. 1115 == Greg. Calendar 8 Feb. 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## MARCH 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 57 38 | 16♓19'14 | 18♈47 | 8♓10 | 23♈51 | 23°R16 | 20°R48 | 16♈10 | 13°R25 | 9°R49 | 25♈ 2 | 19°R29 | 18♒31 | 19♐53 | 7°R11 | M 1 |
| T 2 | 11 1 34 | 17°18'48 | 2♉45 | 10° 3 | 25° 2 | 23♎10 | 20♍40 | 16°17 | 13♋25 | 9♍47 | 25° 4 | 19♒25 | 18°28 | 20° 0 | 7♍ 6 | T 2 |
| W 3 | 11 5 31 | 18°18'19 | 16°50 | 11°56 | 26°13 | 23° 3 | 20°32 | 16°24 | 13°24 | 9°46 | 25° 5 | 19°22 | 18°25 | 20° 6 | 7° 1 | W 3 |
| T 4 | 11 9 27 | 19°17'49 | 1♊ 0 | 13°51 | 27°24 | 22°55 | 20°25 | 16°31 | 13°23 | 9°44 | 25° 6 | 19°19 | 18°21 | 20°13 | 6°57 | T 4 |
| F 5 | 11 13 24 | 20°17'16 | 15°11 | 15°47 | 28°35 | 22°47 | 20°17 | 16°38 | 13°23 | 9°43 | 25° 7 | 19°D18 | 18°18 | 20°20 | 6°52 | F 5 |
| S 6 | 11 17 20 | 21°16'41 | 29°21 | 17°44 | 29°45 | 22°37 | 20° 9 | 16°45 | 13°22 | 9°41 | 25° 8 | 19°18 | 18°15 | 20°27 | 6°48 | S 6 |
| S 7 | 11 21 17 | 22°16'03 | 13♋30 | 19°42 | 0♉56 | 22°27 | 20° 1 | 16°53 | 13°22 | 9°39 | 25° 9 | 19°19 | 18°12 | 20°33 | 6°43 | S 7 |
| M 8 | 11 25 13 | 23°15'23 | 27°34 | 21°42 | 2° 6 | 22°16 | 19°54 | 17° 0 | 13°21 | 9°38 | 25°10 | 19°21 | 18° 9 | 20°40 | 6°39 | M 8 |
| T 9 | 11 29 10 | 24°14'41 | 11♌32 | 23°42 | 3°17 | 22° 5 | 19°46 | 17° 7 | 13°21 | 9°36 | 25°12 | 19°22 | 18° 5 | 20°47 | 6°34 | T 9 |
| W10 | 11 33 7 | 25°13'56 | 25°22 | 25°43 | 4°27 | 21°53 | 19°38 | 17°14 | 13°20 | 9°35 | 25°13 | 19°R22 | 18° 2 | 20°53 | 6°30 | W10 |
| T 11 | 11 37 3 | 26°13'09 | 9♍ 3 | 27°46 | 5°37 | 21°40 | 19°30 | 17°22 | 13°20 | 9°33 | 25°14 | 19°20 | 17°59 | 21° 0 | 6°26 | T 11 |
| F 12 | 11 41 0 | 27°12'20 | 22°32 | 29°48 | 6°47 | 21°26 | 19°23 | 17°29 | 13°20 | 9°31 | 25°15 | 19°17 | 17°56 | 21° 7 | 6°22 | F 12 |
| S 13 | 11 44 56 | 28°11'28 | 5♎46 | 1♈52 | 7°57 | 21°11 | 19°15 | 17°37 | 13°20 | 9°30 | 25°17 | 19°12 | 17°53 | 21°13 | 6°17 | S 13 |
| S 14 | 11 48 53 | 29°10'35 | 18°45 | 3°55 | 9° 6 | 20°56 | 19° 8 | 17°44 | 13°20 | 9°28 | 25°18 | 19° 5 | 17°50 | 21°20 | 6°13 | S 14 |
| M15 | 11 52 49 | 0♈ 9'39 | 1♏28 | 5°59 | 10°16 | 20°41 | 19° 0 | 17°51 | 13°20 | 9°27 | 25°19 | 18°58 | 17°46 | 21°27 | 6° 9 | M15 |
| T 16 | 11 56 46 | 1° 8'42 | 13°56 | 8° 3 | 11°25 | 20°24 | 18°53 | 17°59 | 13°D20 | 9°25 | 25°20 | 18°50 | 17°43 | 21°34 | 6° 5 | T 16 |
| W17 | 12 0 42 | 2° 7'43 | 26° 9 | 10° 6 | 12°34 | 20° 7 | 18°45 | 18° 6 | 13°20 | 9°24 | 25°22 | 18°44 | 17°40 | 21°40 | 6° 1 | W17 |
| T 18 | 12 4 39 | 3° 6'42 | 8♐11 | 12° 9 | 13°44 | 19°49 | 18°38 | 18°14 | 13°20 | 9°22 | 25°23 | 18°39 | 17°37 | 21°47 | 5°57 | T 18 |
| F 19 | 12 8 36 | 4° 5'39 | 20° 5 | 14°11 | 14°53 | 19°31 | 18°31 | 18°22 | 13°20 | 9°21 | 25°24 | 18°36 | 17°34 | 21°54 | 5°53 | F 19 |
| S 20 | 12 12 32 | 5° 4'35 | 1♑56 | 16°11 | 16° 1 | 19°12 | 18°23 | 18°29 | 13°20 | 9°19 | 25°25 | 18°D35 | 17°31 | 22° 0 | 5°50 | S 20 |
| S 21 | 12 16 29 | 6° 3'28 | 13°49 | 18° 9 | 17°10 | 18°53 | 18°16 | 18°37 | 13°20 | 9°18 | 25°27 | 18°35 | 17°27 | 22° 7 | 5°46 | S 21 |
| M22 | 12 20 25 | 7° 2'20 | 25°49 | 20° 5 | 18°19 | 18°33 | 18° 9 | 18°44 | 13°21 | 9°16 | 25°28 | 18°36 | 17°24 | 22°14 | 5°42 | M22 |
| T 23 | 12 24 22 | 8° 1'10 | 8♒ 0 | 21°59 | 19°27 | 18°13 | 18° 2 | 18°52 | 13°21 | 9°15 | 25°29 | 18°37 | 17°21 | 22°20 | 5°39 | T 23 |
| W24 | 12 28 18 | 8°59'58 | 20°29 | 23°50 | 20°35 | 17°52 | 17°55 | 18°59 | 13°21 | 9°13 | 25°31 | 18°R38 | 17°18 | 22°27 | 5°35 | W24 |
| T 25 | 12 32 15 | 9°58'45 | 3♓17 | 25°38 | 21°44 | 17°31 | 17°49 | 19° 7 | 13°22 | 9°12 | 25°32 | 18°37 | 17°15 | 22°34 | 5°32 | T 25 |
| F 26 | 12 36 11 | 10°57'29 | 16°28 | 27°23 | 22°52 | 17°10 | 17°42 | 19°15 | 13°22 | 9°11 | 25°33 | 18°33 | 17°11 | 22°41 | 5°29 | F 26 |
| S 27 | 12 40 8 | 11°56'12 | 0♈ 3 | 29° 4 | 23°59 | 16°48 | 17°35 | 19°22 | 13°23 | 9° 9 | 25°35 | 18°28 | 17° 8 | 22°47 | 5°25 | S 27 |
| S 28 | 12 44 4 | 12°54'52 | 13°58 | 0♉40 | 25° 7 | 16°26 | 17°29 | 19°30 | 13°24 | 9° 8 | 25°36 | 18°20 | 17° 5 | 22°54 | 5°22 | S 28 |
| M29 | 12 48 1 | 13°53'31 | 28°12 | 2°13 | 26°14 | 16° 4 | 17°23 | 19°38 | 13°24 | 9° 7 | 25°37 | 18°12 | 17° 2 | 23° 1 | 5°19 | M29 |
| T 30 | 12 51 58 | 14°52'08 | 12♉38 | 3°41 | 27°22 | 15°41 | 17°16 | 19°45 | 13°25 | 9° 5 | 25°39 | 18° 3 | 16°59 | 23° 7 | 5°16 | T 30 |
| W31 | 12 55 54 | 15♈50'42 | 27♉10 | 5♉ 4 | 28♉29 | 15♎19 | 17♍10 | 19♈53 | 13♋26 | 9♍ 4 | 25♈40 | 17♒54 | 16♒56 | 23♐14 | 5♍13 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s25 | 11n33 | 4n29 | 10s24 | 2s 0 | 9n43 | 0n27 | 6s30 | 2n47 | 5n 9 | 1n37 | 4n16 | 2s18 | 23n21 | 0n28 | 9n 1 | 1n11 | 5s21 | 16s12 | 15s 3 | 15s21 | 27s33 | 3n40 | 5s39 |
| T 2 | 5 2 | 17 10 | 5 0 | 9 39 | 1 57 | 10 13 | 0 31 | 6 28 | 2 47 | 5 12 | 1 37 | 4 19 | 2 18 | 23 21 | 0 28 | 9 1 | 1 11 | 5 20 | 16 11 | 15 4 | 15 22 | 27 33 | 3 42 | 5 38 |
| W 3 | 4 39 | 21 56 | 5 12 | 8 51 | 1 53 | 10 42 | 0 34 | 6 25 | 2 47 | 5 16 | 1 37 | 4 21 | 2 18 | 23 21 | 0 28 | 9 2 | 1 11 | 5 20 | 16 11 | 15 5 | 15 23 | 27 33 | 3 44 | 5 38 |
| T 4 | 4 15 | 25 27 | 5 6 | 8 3 | 1 48 | 11 11 | 0 38 | 6 23 | 2 47 | 5 19 | 1 37 | 4 24 | 2 18 | 23 21 | 0 28 | 9 3 | 1 11 | 5 19 | 16 11 | 15 6 | 15 24 | 27 33 | 3 46 | 5 38 |
| F 5 | 3 52 | 27 23 | 4 42 | 7 13 | 1 43 | 11 40 | 0 42 | 6 20 | 2 46 | 5 22 | 1 38 | 4 27 | 2 18 | 23 21 | 0 28 | 9 3 | 1 11 | 5 19 | 16 11 | 15 6 | 15 25 | 27 33 | 3 48 | 5 37 |
| S 6 | 3 28 | 27 33 | 4 0 | 6 22 | 1 38 | 12 9 | 0 45 | 6 17 | 2 46 | 5 25 | 1 38 | 4 30 | 2 18 | 23 21 | 0 28 | 9 4 | 1 11 | 5 18 | 16 11 | 15 6 | 15 26 | 27 33 | 3 50 | 5 37 |
| S 7 | 3 5 | 25 54 | 3 3 | 5 30 | 1 32 | 12 37 | 0 49 | 6 13 | 2 46 | 5 28 | 1 38 | 4 33 | 2 17 | 23 21 | 0 28 | 9 5 | 1 11 | 5 17 | 16 10 | 15 6 | 15 27 | 27 33 | 3 52 | 5 37 |
| M 8 | 2 41 | 22 39 | 1 56 | 4 37 | 1 25 | 13 5 | 0 53 | 6 9 | 2 45 | 5 31 | 1 38 | 4 36 | 2 17 | 23 21 | 0 28 | 9 5 | 1 11 | 5 17 | 16 10 | 15 6 | 15 28 | 27 33 | 3 54 | 5 36 |
| T 9 | 2 18 | 18 5 | 0 43 | 3 42 | 1 18 | 13 33 | 0 56 | 6 6 | 2 45 | 5 34 | 1 38 | 4 39 | 2 17 | 23 21 | 0 28 | 9 6 | 1 11 | 5 16 | 16 10 | 15 5 | 15 29 | 27 33 | 3 56 | 5 36 |
| W10 | 1 54 | 12 37 | 0s33 | 2 47 | 1 10 | 14 0 | 1 0 | 6 2 | 2 44 | 5 37 | 1 38 | 4 41 | 2 17 | 23 21 | 0 28 | 9 6 | 1 11 | 5 16 | 16 10 | 15 5 | 15 30 | 27 33 | 3 58 | 5 35 |
| T 11 | 1 31 | 6 36 | 1 45 | 1 50 | 1 2 | 14 27 | 1 4 | 5 57 | 2 44 | 5 40 | 1 38 | 4 44 | 2 17 | 23 21 | 0 28 | 9 7 | 1 11 | 5 15 | 16 10 | 15 6 | 15 31 | 27 33 | 4 0 | 5 35 |
| F 12 | 1 7 | 0 22 | 2 50 | 0 53 | 0 53 | 14 54 | 1 7 | 5 53 | 2 43 | 5 43 | 1 38 | 4 47 | 2 17 | 23 21 | 0 28 | 9 8 | 1 11 | 5 14 | 16 9 | 15 7 | 15 32 | 27 33 | 4 2 | 5 35 |
| S 13 | 0 43 | 5s45 | 3 45 | 0n 5 | 0 44 | 15 20 | 1 11 | 5 48 | 2 42 | 5 46 | 1 38 | 4 50 | 2 17 | 23 21 | 0 28 | 9 8 | 1 11 | 5 14 | 16 9 | 15 8 | 15 33 | 27 33 | 4 4 | 5 34 |
| S 14 | 0 20 | 11 30 | 4 27 | 1 3 | 0 34 | 15 47 | 1 14 | 5 43 | 2 41 | 5 49 | 1 38 | 4 53 | 2 17 | 23 21 | 0 28 | 9 9 | 1 11 | 5 13 | 16 9 | 15 10 | 15 34 | 27 33 | 4 6 | 5 34 |
| M15 | 0n 4 | 16 39 | 4 55 | 2 1 | 0 24 | 16 12 | 1 18 | 5 38 | 2 41 | 5 52 | 1 37 | 4 56 | 2 17 | 23 21 | 0 28 | 9 9 | 1 11 | 5 13 | 16 9 | 15 13 | 15 35 | 27 33 | 4 8 | 5 33 |
| T 16 | 0 27 | 20 59 | 5 8 | 3 0 | 0 13 | 16 37 | 1 22 | 5 33 | 2 40 | 5 55 | 1 37 | 4 59 | 2 17 | 23 21 | 0 28 | 9 10 | 1 11 | 5 12 | 16 9 | 15 15 | 15 36 | 27 33 | 4 10 | 5 33 |
| W17 | 0 51 | 24 20 | 5 6 | 3 59 | 0 3 | 17 2 | 1 25 | 5 27 | 2 39 | 5 58 | 1 37 | 5 2 | 2 17 | 23 21 | 0 28 | 9 11 | 1 11 | 5 11 | 16 9 | 15 17 | 15 37 | 27 33 | 4 12 | 5 32 |
| T 18 | 1 15 | 26 34 | 4 51 | 4 57 | 0n 8 | 17 27 | 1 29 | 5 21 | 2 38 | 6 1 | 1 37 | 5 5 | 2 17 | 23 21 | 0 28 | 9 11 | 1 11 | 5 11 | 16 9 | 15 19 | 15 38 | 27 33 | 4 14 | 5 32 |
| F 19 | 1 38 | 27 34 | 4 24 | 5 55 | 0 20 | 17 51 | 1 32 | 5 16 | 2 37 | 6 3 | 1 37 | 5 8 | 2 16 | 23 21 | 0 28 | 9 12 | 1 11 | 5 10 | 16 8 | 15 20 | 15 39 | 27 33 | 4 16 | 5 31 |
| S 20 | 2 2 | 27 18 | 3 45 | 6 52 | 0 31 | 18 15 | 1 36 | 5 10 | 2 35 | 6 6 | 1 37 | 5 11 | 2 16 | 23 21 | 0 28 | 9 12 | 1 11 | 5 10 | 16 8 | 15 20 | 15 40 | 27 33 | 4 18 | 5 31 |
| S 21 | 2 25 | 25 46 | 2 57 | 7 49 | 0 43 | 18 38 | 1 39 | 5 3 | 2 34 | 6 9 | 1 37 | 5 14 | 2 16 | 23 21 | 0 28 | 9 13 | 1 11 | 5 9 | 16 8 | 15 20 | 15 41 | 27 33 | 4 20 | 5 30 |
| M22 | 2 48 | 23 3 | 2 0 | 8 44 | 0 54 | 19 1 | 1 43 | 4 57 | 2 33 | 6 12 | 1 37 | 5 17 | 2 16 | 23 21 | 0 28 | 9 13 | 1 11 | 5 9 | 16 8 | 15 19 | 15 42 | 27 33 | 4 21 | 5 29 |
| T 23 | 3 12 | 19 16 | 0 57 | 9 37 | 1 6 | 19 23 | 1 46 | 4 51 | 2 31 | 6 14 | 1 37 | 5 19 | 2 16 | 23 21 | 0 28 | 9 14 | 1 11 | 5 8 | 16 8 | 15 19 | 15 43 | 27 33 | 4 23 | 5 29 |
| W24 | 3 35 | 14 35 | 0n10 | 10 29 | 1 17 | 19 45 | 1 50 | 4 44 | 2 30 | 6 17 | 1 37 | 5 22 | 2 16 | 23 21 | 0 28 | 9 14 | 1 11 | 5 7 | 16 8 | 15 19 | 15 44 | 27 33 | 4 25 | 5 28 |
| T 25 | 3 58 | 9 8 | 1 18 | 11 19 | 1 28 | 20 6 | 1 53 | 4 38 | 2 28 | 6 19 | 1 37 | 5 25 | 2 16 | 23 21 | 0 28 | 9 15 | 1 11 | 5 7 | 16 8 | 15 19 | 15 45 | 27 32 | 4 27 | 5 28 |
| F 26 | 4 21 | 3 9 | 2 24 | 12 7 | 1 38 | 20 27 | 1 57 | 4 31 | 2 27 | 6 22 | 1 37 | 5 28 | 2 16 | 23 21 | 0 28 | 9 15 | 1 11 | 5 6 | 16 8 | 15 20 | 15 46 | 27 32 | 4 28 | 5 27 |
| S 27 | 4 44 | 3n 7 | 3 23 | 12 53 | 1 48 | 20 48 | 2 0 | 4 24 | 2 25 | 6 24 | 1 37 | 5 31 | 2 16 | 23 21 | 0 28 | 9 16 | 1 11 | 5 6 | 16 7 | 15 22 | 15 46 | 27 32 | 4 30 | 5 27 |
| S 28 | 5 7 | 9 24 | 4 12 | 13 36 | 1 58 | 21 8 | 2 3 | 4 17 | 2 23 | 6 27 | 1 36 | 5 34 | 2 16 | 23 20 | 0 28 | 9 16 | 1 11 | 5 5 | 16 7 | 15 24 | 15 47 | 27 32 | 4 32 | 5 26 |
| M29 | 5 30 | 15 20 | 4 47 | 14 17 | 2 7 | 21 27 | 2 6 | 4 11 | 2 21 | 6 29 | 1 36 | 5 37 | 2 16 | 23 20 | 0 28 | 9 17 | 1 11 | 5 5 | 16 7 | 15 27 | 15 48 | 27 32 | 4 34 | 5 25 |
| T 30 | 5 53 | 20 31 | 5 3 | 14 56 | 2 15 | 21 46 | 2 9 | 4 4 | 2 19 | 6 32 | 1 36 | 5 40 | 2 16 | 23 20 | 0 28 | 9 17 | 1 11 | 5 4 | 16 7 | 15 30 | 15 49 | 27 32 | 4 35 | 5 25 |
| W31 | 6n16 | 24n30 | 5n 1 | 15n31 | 2n23 | 22n 4 | 2n13 | 3s57 | 2n17 | 6n34 | 1n36 | 5n43 | 2s16 | 23n20 | 0n28 | 9n18 | 1n11 | 5s 4 | 16s 7 | 15s32 | 15s50 | 27s32 | 4n37 | 5s24 |

Julian Day Number = 2128370.5, Delta T = 16m55s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'17, Lahiri = 11°31'17 Julian Calendar 1 March 1115 == Greg. Calendar 8 March 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## APRIL 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 59 51 | 16♈49'15 | 11♊40 | 6♉23 | 29♉36 | 14°R56 | 17°R 4 | 20♈ 1 | 13♋27 | 9°R 3 | 25♈41 | 17°R48 | 16♒52 | 23♐21 | 5°R11 | T 1 |
| F 2 | 13 3 47 | 17°47'45 | 26° 5 | 7°37 | 0♊43 | 14♎33 | 16♍58 | 20° 9 | 13°28 | 9♍ 2 | 25°43 | 17♒44 | 16°49 | 23°27 | 5♍ 8 | F 2 |
| S 3 | 13 7 44 | 18°46'13 | 10♋20 | 8°46 | 1°49 | 14°11 | 16°53 | 20°16 | 13°29 | 9° 1 | 25°44 | 17°42 | 16°46 | 23°34 | 5° 5 | S 3 |
| S 4 | 13 11 40 | 19°44'39 | 24°24 | 9°49 | 2°55 | 13°48 | 16°47 | 20°24 | 13°30 | 8°59 | 25°45 | 17°D42 | 16°43 | 23°41 | 5° 3 | S 4 |
| M 5 | 13 15 37 | 20°43'03 | 8♌15 | 10°48 | 4° 2 | 13°26 | 16°42 | 20°32 | 13°31 | 8°58 | 25°47 | 17°42 | 16°40 | 23°48 | 5° 0 | M 5 |
| T 6 | 13 19 33 | 21°41'24 | 21°54 | 11°41 | 5° 8 | 13° 4 | 16°36 | 20°39 | 13°32 | 8°57 | 25°48 | 17°R42 | 16°36 | 23°54 | 4°58 | T 6 |
| W 7 | 13 23 30 | 22°39'43 | 5♍21 | 12°28 | 6°13 | 12°41 | 16°31 | 20°47 | 13°33 | 8°56 | 25°50 | 17°41 | 16°33 | 24° 1 | 4°56 | W 7 |
| T 8 | 13 27 27 | 23°38'00 | 18°37 | 13°11 | 7°19 | 12°20 | 16°26 | 20°55 | 13°34 | 8°55 | 25°51 | 17°37 | 16°30 | 24° 8 | 4°54 | T 8 |
| F 9 | 13 31 23 | 24°36'15 | 1♎43 | 13°47 | 8°24 | 11°58 | 16°21 | 21° 3 | 13°35 | 8°54 | 25°52 | 17°31 | 16°27 | 24°14 | 4°52 | F 9 |
| S 10 | 13 35 20 | 25°34'28 | 14°37 | 14°19 | 9°29 | 11°37 | 16°17 | 21°10 | 13°37 | 8°53 | 25°54 | 17°22 | 16°24 | 24°21 | 4°50 | S 10 |
| S 11 | 13 39 16 | 26°32'40 | 27°19 | 14°44 | 10°34 | 11°16 | 16°12 | 21°18 | 13°38 | 8°52 | 25°55 | 17°11 | 16°21 | 24°28 | 4°48 | S 11 |
| M12 | 13 43 13 | 27°30'49 | 9♏50 | 15° 4 | 11°38 | 10°55 | 16° 8 | 21°26 | 13°39 | 8°51 | 25°56 | 16°59 | 16°17 | 24°34 | 4°46 | M12 |
| T 13 | 13 47 9 | 28°28'57 | 22° 8 | 15°19 | 12°43 | 10°35 | 16° 4 | 21°33 | 13°41 | 8°50 | 25°58 | 16°46 | 16°14 | 24°41 | 4°45 | T 13 |
| W14 | 13 51 6 | 29°27'03 | 4♐16 | 15°28 | 13°47 | 10°15 | 16° 0 | 21°41 | 13°42 | 8°49 | 25°59 | 16°35 | 16°11 | 24°48 | 4°43 | W14 |
| T 15 | 13 55 2 | 0♑25'08 | 16°15 | 15°R32 | 14°50 | 9°56 | 15°56 | 21°49 | 13°44 | 8°48 | 26° 1 | 16°25 | 16° 8 | 24°54 | 4°42 | T 15 |
| F 16 | 13 58 59 | 1°23'11 | 28° 7 | 15°30 | 15°54 | 9°38 | 15°52 | 21°56 | 13°46 | 8°47 | 26° 2 | 16°18 | 16° 5 | 25° 1 | 4°41 | F 16 |
| S 17 | 14 2 56 | 2°21'13 | 9♑57 | 15°24 | 16°57 | 9°20 | 15°48 | 22° 4 | 13°47 | 8°46 | 26° 3 | 16°14 | 16° 2 | 25° 8 | 4°39 | S 17 |
| S 18 | 14 6 52 | 3°19'13 | 21°49 | 15°13 | 18° 0 | 9° 2 | 15°45 | 22°12 | 13°49 | 8°45 | 26° 5 | 16°12 | 15°58 | 25°15 | 4°38 | S 18 |
| M19 | 14 10 49 | 4°17'12 | 3♒47 | 14°57 | 19° 3 | 8°45 | 15°42 | 22°19 | 13°51 | 8°45 | 26° 6 | 16°D11 | 15°55 | 25°21 | 4°37 | M19 |
| T 20 | 14 14 45 | 5°15'10 | 15°57 | 14°37 | 20° 5 | 8°29 | 15°39 | 22°27 | 13°52 | 8°44 | 26° 7 | 16°R11 | 15°52 | 25°28 | 4°36 | T 20 |
| W21 | 14 18 42 | 6°13'06 | 28°25 | 14°13 | 21° 7 | 8°14 | 15°36 | 22°34 | 13°54 | 8°43 | 26° 9 | 16°11 | 15°49 | 25°35 | 4°36 | W21 |
| T 22 | 14 22 38 | 7°11'01 | 11♓14 | 13°46 | 22° 9 | 7°59 | 15°33 | 22°42 | 13°56 | 8°42 | 26°10 | 16° 9 | 15°46 | 25°41 | 4°35 | T 22 |
| F 23 | 14 26 35 | 8° 8'54 | 24°30 | 13°16 | 23°10 | 7°45 | 15°31 | 22°49 | 13°58 | 8°42 | 26°11 | 16° 5 | 15°42 | 25°48 | 4°35 | F 23 |
| S 24 | 14 30 31 | 9° 6'46 | 8♈13 | 12°44 | 24°11 | 7°31 | 15°28 | 22°57 | 14° 0 | 8°41 | 26°13 | 15°58 | 15°39 | 25°55 | 4°34 | S 24 |
| S 25 | 14 34 28 | 10° 4'37 | 22°23 | 12°10 | 25°12 | 7°19 | 15°26 | 23° 4 | 14° 2 | 8°40 | 26°14 | 15°49 | 15°36 | 26° 1 | 4°34 | S 25 |
| M26 | 14 38 25 | 11° 2'26 | 6♉55 | 11°35 | 26°13 | 7° 7 | 15°24 | 23°12 | 14° 4 | 8°40 | 26°15 | 15°38 | 15°33 | 26° 8 | 4°34 | M26 |
| T 27 | 14 42 21 | 12° 0'14 | 21°44 | 11° 0 | 27°13 | 6°56 | 15°22 | 23°19 | 14° 6 | 8°39 | 26°17 | 15°26 | 15°30 | 26°15 | 4°D34 | T 27 |
| W28 | 14 46 18 | 12°58'01 | 6♊40 | 10°25 | 28°12 | 6°46 | 15°21 | 23°27 | 14° 8 | 8°39 | 26°18 | 15°16 | 15°27 | 26°21 | 4°34 | W28 |
| T 29 | 14 50 14 | 13°55'46 | 21°35 | 9°50 | 29°12 | 6°36 | 15°19 | 23°34 | 14°11 | 8°38 | 26°19 | 15° 7 | 15°23 | 26°28 | 4°34 | T 29 |
| F 30 | 14 54 11 | 14♉53'29 | 6♋19 | 9♉17 | 0♋10 | 6♎27 | 15♍18 | 23♈42 | 14♋13 | 8♍38 | 26♈21 | 15♒ 1 | 15♒20 | 26♐35 | 4♍34 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n38 | 26n54 | 4n39 | 16n 4 | 2n30 | 22n22 | 2n16 | 3s50 | 2n15 | 6n36 | 1n36 | 5n46 | 2s16 | 23n20 | 0n28 | 9n18 | 1n10 | 5s 3 | 16s 7 | 15s34 | 15s51 | 27s31 | 4n39 | 5s23 |
| F 2 | 7 1 | 27 29 | 4 0 | 16 34 | 2 36 | 22 39 | 2 19 | 3 43 | 2 13 | 6 38 | 1 36 | 5 49 | 2 16 | 23 20 | 0 28 | 9 19 | 1 10 | 5 2 | 16 7 | 15 36 | 15 52 | 27 31 | 4 40 | 5 23 |
| S 3 | 7 23 | 26 14 | 3 6 | 17 2 | 2 41 | 22 56 | 2 22 | 3 36 | 2 11 | 6 40 | 1 36 | 5 52 | 2 16 | 23 20 | 0 28 | 9 19 | 1 10 | 5 2 | 16 7 | 15 36 | 15 53 | 27 31 | 4 42 | 5 22 |
| S 4 | 7 46 | 23 20 | 2 1 | 17 27 | 2 45 | 23 12 | 2 24 | 3 30 | 2 9 | 6 42 | 1 36 | 5 55 | 2 16 | 23 20 | 0 28 | 9 20 | 1 10 | 5 1 | 16 7 | 15 36 | 15 54 | 27 31 | 4 43 | 5 21 |
| M 5 | 8 8 | 19 6 | 0 50 | 17 48 | 2 49 | 23 28 | 2 27 | 3 23 | 2 6 | 6 44 | 1 35 | 5 58 | 2 16 | 23 20 | 0 28 | 9 20 | 1 10 | 5 1 | 16 7 | 15 36 | 15 55 | 27 31 | 4 45 | 5 21 |
| T 6 | 8 30 | 13 56 | 0s22 | 18 7 | 2 51 | 23 43 | 2 30 | 3 17 | 2 4 | 6 46 | 1 35 | 6 1 | 2 16 | 23 19 | 0 28 | 9 20 | 1 10 | 5 0 | 16 7 | 15 36 | 15 56 | 27 30 | 4 46 | 5 20 |
| W 7 | 8 51 | 8 10 | 1 33 | 18 23 | 2 52 | 23 57 | 2 33 | 3 10 | 2 2 | 6 48 | 1 35 | 6 3 | 2 16 | 23 19 | 0 28 | 9 21 | 1 10 | 5 0 | 16 7 | 15 36 | 15 57 | 27 30 | 4 48 | 5 19 |
| T 8 | 9 13 | 2 7 | 2 37 | 18 36 | 2 52 | 24 11 | 2 35 | 3 4 | 1 59 | 6 50 | 1 35 | 6 6 | 2 16 | 23 19 | 0 28 | 9 21 | 1 10 | 4 59 | 16 7 | 15 38 | 15 58 | 27 30 | 4 49 | 5 19 |
| F 9 | 9 35 | 3s55 | 3 31 | 18 47 | 2 51 | 24 25 | 2 38 | 2 58 | 1 57 | 6 52 | 1 35 | 6 9 | 2 16 | 23 19 | 0 28 | 9 22 | 1 10 | 4 59 | 16 7 | 15 40 | 15 59 | 27 30 | 4 50 | 5 18 |
| S 10 | 9 56 | 9 41 | 4 14 | 18 54 | 2 49 | 24 37 | 2 40 | 2 52 | 1 54 | 6 53 | 1 35 | 6 12 | 2 16 | 23 19 | 0 28 | 9 22 | 1 10 | 4 58 | 16 7 | 15 42 | 16 0 | 27 30 | 4 52 | 5 17 |
| S 11 | 10 17 | 14 58 | 4 44 | 18 59 | 2 46 | 24 49 | 2 43 | 2 46 | 1 51 | 6 55 | 1 34 | 6 15 | 2 16 | 23 19 | 0 28 | 9 22 | 1 10 | 4 58 | 16 7 | 15 46 | 16 1 | 27 29 | 4 53 | 5 17 |
| M12 | 10 38 | 19 33 | 4 59 | 19 0 | 2 41 | 25 1 | 2 45 | 2 40 | 1 49 | 6 57 | 1 34 | 6 18 | 2 16 | 23 19 | 0 28 | 9 23 | 1 10 | 4 57 | 16 7 | 15 49 | 16 2 | 27 29 | 4 54 | 5 16 |
| T 13 | 10 59 | 23 13 | 5 0 | 18 59 | 2 36 | 25 12 | 2 47 | 2 35 | 1 46 | 6 58 | 1 34 | 6 21 | 2 16 | 23 18 | 0 28 | 9 23 | 1 10 | 4 57 | 16 7 | 15 53 | 16 3 | 27 29 | 4 56 | 5 15 |
| W14 | 11 20 | 25 48 | 4 47 | 18 55 | 2 29 | 25 22 | 2 49 | 2 30 | 1 44 | 6 59 | 1 34 | 6 24 | 2 16 | 23 18 | 0 28 | 9 23 | 1 10 | 4 56 | 16 7 | 15 57 | 16 4 | 27 28 | 4 57 | 5 14 |
| T 15 | 11 40 | 27 11 | 4 22 | 18 49 | 2 21 | 25 32 | 2 51 | 2 25 | 1 41 | 7 1 | 1 34 | 6 26 | 2 16 | 23 18 | 0 28 | 9 24 | 1 10 | 4 56 | 16 7 | 15 59 | 16 5 | 27 28 | 4 58 | 5 14 |
| F 16 | 12 1 | 27 18 | 3 46 | 18 39 | 2 11 | 25 41 | 2 53 | 2 20 | 1 38 | 7 2 | 1 33 | 6 29 | 2 16 | 23 18 | 0 28 | 9 24 | 1 10 | 4 55 | 16 7 | 16 2 | 16 6 | 27 28 | 4 59 | 5 13 |
| S 17 | 12 21 | 26 10 | 2 59 | 18 27 | 2 1 | 25 49 | 2 55 | 2 15 | 1 35 | 7 3 | 1 33 | 6 32 | 2 16 | 23 18 | 0 28 | 9 24 | 1 10 | 4 55 | 16 7 | 16 3 | 16 7 | 27 28 | 5 0 | 5 12 |
| S 18 | 12 41 | 23 51 | 2 5 | 18 13 | 1 49 | 25 57 | 2 57 | 2 11 | 1 33 | 7 4 | 1 33 | 6 35 | 2 16 | 23 18 | 0 28 | 9 25 | 1 10 | 4 55 | 16 7 | 16 4 | 16 8 | 27 27 | 5 1 | 5 11 |
| M19 | 13 1 | 20 28 | 1 5 | 17 56 | 1 36 | 26 4 | 2 58 | 2 7 | 1 30 | 7 5 | 1 33 | 6 38 | 2 16 | 23 17 | 0 28 | 9 25 | 1 10 | 4 54 | 16 7 | 16 4 | 16 9 | 27 27 | 5 2 | 5 11 |
| T 20 | 13 20 | 16 9 | 0 1 | 17 37 | 1 22 | 26 10 | 3 0 | 2 3 | 1 27 | 7 6 | 1 33 | 6 40 | 2 16 | 23 17 | 0 28 | 9 25 | 1 10 | 4 54 | 16 7 | 16 4 | 16 9 | 27 27 | 5 3 | 5 10 |
| W21 | 13 40 | 11 5 | 1n 4 | 17 16 | 1 8 | 26 16 | 3 1 | 1 59 | 1 24 | 7 7 | 1 32 | 6 43 | 2 16 | 23 17 | 0 28 | 9 25 | 1 10 | 4 53 | 16 7 | 16 4 | 16 10 | 27 26 | 5 4 | 5 9 |
| T 22 | 13 59 | 5 24 | 2 8 | 16 53 | 0 52 | 26 22 | 3 3 | 1 56 | 1 21 | 7 8 | 1 32 | 6 46 | 2 16 | 23 17 | 0 27 | 9 26 | 1 10 | 4 53 | 16 7 | 16 4 | 16 11 | 27 26 | 5 5 | 5 8 |
| F 23 | 14 18 | 0n40 | 3 8 | 16 28 | 0 36 | 26 26 | 3 4 | 1 53 | 1 19 | 7 9 | 1 32 | 6 49 | 2 16 | 23 16 | 0 27 | 9 26 | 1 10 | 4 52 | 16 7 | 16 6 | 16 12 | 27 26 | 5 6 | 5 8 |
| S 24 | 14 36 | 6 55 | 3 58 | 16 2 | 0 19 | 26 30 | 3 5 | 1 50 | 1 16 | 7 10 | 1 32 | 6 51 | 2 16 | 23 16 | 0 27 | 9 26 | 1 10 | 4 52 | 16 7 | 16 8 | 16 13 | 27 25 | 5 7 | 5 7 |
| S 25 | 14 55 | 13 1 | 4 36 | 15 36 | 0 2 | 26 34 | 3 6 | 1 48 | 1 13 | 7 10 | 1 31 | 6 54 | 2 16 | 23 16 | 0 27 | 9 26 | 1 10 | 4 52 | 16 7 | 16 10 | 16 14 | 27 25 | 5 8 | 5 6 |
| M26 | 15 13 | 18 33 | 4 57 | 15 9 | 0s15 | 26 36 | 3 6 | 1 46 | 1 10 | 7 11 | 1 31 | 6 57 | 2 16 | 23 16 | 0 27 | 9 26 | 1 10 | 4 51 | 16 7 | 16 14 | 16 15 | 27 25 | 5 9 | 5 5 |
| T 27 | 15 31 | 23 5 | 4 59 | 14 41 | 0 33 | 26 39 | 3 7 | 1 44 | 1 7 | 7 11 | 1 31 | 7 0 | 2 16 | 23 16 | 0 27 | 9 27 | 1 10 | 4 51 | 16 7 | 16 17 | 16 16 | 27 24 | 5 9 | 5 5 |
| W28 | 15 48 | 26 7 | 4 40 | 14 13 | 0 50 | 26 40 | 3 8 | 1 42 | 1 5 | 7 12 | 1 31 | 7 2 | 2 16 | 23 15 | 0 27 | 9 27 | 1 10 | 4 50 | 16 7 | 16 20 | 16 17 | 27 24 | 5 10 | 5 4 |
| T 29 | 16 6 | 27 19 | 4 2 | 13 46 | 1 7 | 26 41 | 3 8 | 1 41 | 1 2 | 7 12 | 1 31 | 7 5 | 2 16 | 23 15 | 0 27 | 9 27 | 1 10 | 4 50 | 16 7 | 16 23 | 16 18 | 27 23 | 5 11 | 5 3 |
| F 30 | 16n23 | 26n33 | 3n 9 | 13n20 | 1s24 | 26n42 | 3n 8 | 1s40 | 0n59 | 7n12 | 1n30 | 7n 8 | 2s17 | 23n15 | 0n27 | 9n27 | 1n10 | 4s50 | 16s 7 | 16s24 | 16s19 | 27s23 | 5n11 | 5s 2 |

Julian Day Number = 2128401.5, Delta T = 16m55s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'21, Lahiri = 11°31'21 Julian Calendar 1 Apr. 1115 == Greg. Calendar 8 Apr. 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## MAY 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 58 7 | 15♉51'11 | 20♋48 | 8°R46 | 1♋ 9 | 6°R20 | 15°R17 | 23♈49 | 14♋15 | 8°R37 | 26♈22 | 14°R58 | 15♒17 | 26♐42 | 4♍34 | S 1 |
| S 2 | 15 2 4 | 16°48'51 | 4♌59 | 8♉17 | 2° 7 | 6♎12 | 15♍16 | 23°56 | 14°17 | 8♍37 | 26°23 | 14♒57 | 15°14 | 26°48 | 4°35 | S 2 |
| M 3 | 15 6 0 | 17°46'30 | 18°49 | 7°51 | 3° 5 | 6° 6 | 15°15 | 24° 4 | 14°20 | 8°37 | 26°25 | 14°57 | 15°11 | 26°55 | 4°36 | M 3 |
| T 4 | 15 9 57 | 18°44'07 | 2♍21 | 7°28 | 4° 2 | 6° 1 | 15°15 | 24°11 | 14°22 | 8°36 | 26°26 | 14°57 | 15° 8 | 27° 2 | 4°36 | T 4 |
| W 5 | 15 13 54 | 19°41'42 | 15°36 | 7° 9 | 4°58 | 5°56 | 15°14 | 24°18 | 14°25 | 8°36 | 26°27 | 14°55 | 15° 4 | 27° 8 | 4°37 | W 5 |
| T 6 | 15 17 50 | 20°39'16 | 28°35 | 6°54 | 5°54 | 5°53 | 15°D14 | 24°25 | 14°27 | 8°36 | 26°28 | 14°51 | 15° 1 | 27°15 | 4°38 | T 6 |
| F 7 | 15 21 47 | 21°36'48 | 11♎23 | 6°42 | 6°50 | 5°50 | 15°14 | 24°33 | 14°30 | 8°35 | 26°30 | 14°44 | 14°58 | 27°22 | 4°39 | F 7 |
| S 8 | 15 25 43 | 22°34'19 | 23°58 | 6°35 | 7°45 | 5°47 | 15°14 | 24°40 | 14°32 | 8°35 | 26°31 | 14°34 | 14°55 | 27°28 | 4°40 | S 8 |
| S 9 | 15 29 40 | 23°31'49 | 6♏24 | 6°D33 | 8°40 | 5°46 | 15°15 | 24°47 | 14°35 | 8°35 | 26°32 | 14°22 | 14°52 | 27°35 | 4°41 | S 9 |
| M10 | 15 33 36 | 24°29'17 | 18°40 | 6°35 | 9°34 | 5°D46 | 15°15 | 24°54 | 14°37 | 8°35 | 26°33 | 14° 9 | 14°48 | 27°42 | 4°43 | M10 |
| T 11 | 15 37 33 | 25°26'45 | 0♐48 | 6°41 | 10°27 | 5°46 | 15°16 | 25° 1 | 14°40 | 8°35 | 26°35 | 13°56 | 14°45 | 27°48 | 4°44 | T 11 |
| W12 | 15 41 29 | 26°24'11 | 12°49 | 6°52 | 11°20 | 5°47 | 15°17 | 25° 8 | 14°43 | 8°35 | 26°36 | 13°44 | 14°42 | 27°55 | 4°46 | W12 |
| T 13 | 15 45 26 | 27°21'36 | 24°43 | 7° 7 | 12°12 | 5°49 | 15°18 | 25°15 | 14°45 | 8°35 | 26°37 | 13°33 | 14°39 | 28° 2 | 4°48 | T 13 |
| F 14 | 15 49 23 | 28°19'01 | 6♑33 | 7°27 | 13° 4 | 5°51 | 15°19 | 25°22 | 14°48 | 8°D35 | 26°38 | 13°26 | 14°36 | 28° 8 | 4°49 | F 14 |
| S 15 | 15 53 19 | 29°16'25 | 18°21 | 7°51 | 13°55 | 5°54 | 15°21 | 25°29 | 14°51 | 8°35 | 26°40 | 13°21 | 14°33 | 28°15 | 4°51 | S 15 |
| S 16 | 15 57 16 | 0♊13'48 | 0♒12 | 8°20 | 14°45 | 5°59 | 15°22 | 25°36 | 14°54 | 8°35 | 26°41 | 13°18 | 14°29 | 28°22 | 4°53 | S 16 |
| M17 | 16 1 12 | 1°11'10 | 12°10 | 8°52 | 15°34 | 6° 3 | 15°24 | 25°42 | 14°57 | 8°35 | 26°42 | 13°D17 | 14°26 | 28°29 | 4°56 | M17 |
| T 18 | 16 5 9 | 2° 8'32 | 24°19 | 9°29 | 16°23 | 6° 9 | 15°26 | 25°49 | 15° 0 | 8°35 | 26°43 | 13°17 | 14°23 | 28°35 | 4°58 | T 18 |
| W19 | 16 9 5 | 3° 5'53 | 6♓45 | 10°10 | 17°11 | 6°15 | 15°28 | 25°56 | 15° 2 | 8°35 | 26°44 | 13°R18 | 14°20 | 28°42 | 5° 0 | W19 |
| T 20 | 16 13 2 | 4° 3'13 | 19°32 | 10°55 | 17°58 | 6°22 | 15°31 | 26° 2 | 15° 5 | 8°35 | 26°45 | 13°17 | 14°17 | 28°49 | 5° 3 | T 20 |
| F 21 | 16 16 58 | 5° 0'33 | 2♈45 | 11°43 | 18°45 | 6°30 | 15°33 | 26° 9 | 15° 8 | 8°35 | 26°46 | 13°14 | 14°14 | 28°55 | 5° 5 | F 21 |
| S 22 | 16 20 55 | 5°57'52 | 16°27 | 12°36 | 19°30 | 6°38 | 15°36 | 26°16 | 15°11 | 8°36 | 26°48 | 13° 8 | 14°10 | 29° 2 | 5° 8 | S 22 |
| S 23 | 16 24 52 | 6°55'11 | 0♉39 | 13°32 | 20°15 | 6°47 | 15°39 | 26°22 | 15°14 | 8°36 | 26°49 | 13° 1 | 14° 7 | 29° 9 | 5°11 | S 23 |
| M24 | 16 28 48 | 7°52'29 | 15°17 | 14°31 | 20°59 | 6°57 | 15°42 | 26°29 | 15°18 | 8°36 | 26°50 | 12°52 | 14° 4 | 29°15 | 5°14 | M24 |
| T 25 | 16 32 45 | 8°49'47 | 0♊15 | 15°35 | 21°41 | 7° 7 | 15°45 | 26°35 | 15°21 | 8°36 | 26°51 | 12°42 | 14° 1 | 29°22 | 5°17 | T 25 |
| W26 | 16 36 41 | 9°47'05 | 15°25 | 16°41 | 22°23 | 7°18 | 15°48 | 26°41 | 15°24 | 8°37 | 26°52 | 12°34 | 13°58 | 29°29 | 5°20 | W26 |
| T 27 | 16 40 38 | 10°44'21 | 0♋37 | 17°51 | 23° 4 | 7°30 | 15°52 | 26°48 | 15°27 | 8°37 | 26°53 | 12°26 | 13°54 | 29°35 | 5°23 | T 27 |
| F 28 | 16 44 34 | 11°41'37 | 15°39 | 19° 5 | 23°44 | 7°42 | 15°55 | 26°54 | 15°30 | 8°38 | 26°54 | 12°21 | 13°51 | 29°42 | 5°26 | F 28 |
| S 29 | 16 48 31 | 12°38'53 | 0♌24 | 20°22 | 24°22 | 7°55 | 15°59 | 27° 0 | 15°33 | 8°38 | 26°55 | 12°19 | 13°48 | 29°49 | 5°30 | S 29 |
| S 30 | 16 52 28 | 13°36'07 | 14°48 | 21°42 | 25° 0 | 8° 8 | 16° 3 | 27° 6 | 15°37 | 8°39 | 26°56 | 12°D19 | 13°45 | 29°55 | 5°33 | S 30 |
| M31 | 16 56 24 | 14♊33'21 | 28♌46 | 23♉ 5 | 25♋36 | 8♎22 | 16♍ 7 | 27♈12 | 15♋40 | 8♍39 | 26♈57 | 12♒19 | 13♒42 | 0♑ 2 | 5♍37 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n40 | 23n59 | 2n 4 | 12n55 | 1s40 | 26n41 | 3n 8 | 1s40 | 0n56 | 7n13 | 1n30 | 7n10 | 2s17 | 23n15 | 0n27 | 9n27 | 1n10 | 4s49 | 16s 7 | 16s25 | 16s20 | 27s23 | 5n12 | 5s 2 |
| S 2 | 16 56 | 19 58 | 0 52 | 12 31 | 1 55 | 26 41 | 3 8 | 1 39 | 0 54 | 7 13 | 1 30 | 7 13 | 2 17 | 23 14 | 0 27 | 9 27 | 1 10 | 4 49 | 16 7 | 16 26 | 16 21 | 27 22 | 5 12 | 5 1 |
| M 3 | 17 13 | 14 56 | 0s20 | 12 9 | 2 10 | 26 39 | 3 8 | 1 39 | 0 51 | 7 13 | 1 30 | 7 16 | 2 17 | 23 14 | 0 27 | 9 28 | 1 10 | 4 49 | 16 8 | 16 26 | 16 22 | 27 22 | 5 13 | 5 0 |
| T 4 | 17 29 | 9 17 | 1 31 | 11 48 | 2 24 | 26 37 | 3 8 | 1 40 | 0 48 | 7 13 | 1 29 | 7 18 | 2 17 | 23 14 | 0 27 | 9 28 | 1 10 | 4 48 | 16 8 | 16 26 | 16 23 | 27 21 | 5 13 | 4 59 |
| W 5 | 17 45 | 3 20 | 2 34 | 11 30 | 2 37 | 26 35 | 3 7 | 1 40 | 0 46 | 7 13 | 1 29 | 7 21 | 2 17 | 23 14 | 0 27 | 9 28 | 1 10 | 4 48 | 16 8 | 16 26 | 16 24 | 27 21 | 5 14 | 4 59 |
| T 6 | 18 0 | 2s38 | 3 29 | 11 14 | 2 48 | 26 32 | 3 7 | 1 41 | 0 43 | 7 13 | 1 29 | 7 23 | 2 17 | 23 13 | 0 27 | 9 28 | 1 10 | 4 47 | 16 8 | 16 28 | 16 25 | 27 20 | 5 14 | 4 58 |
| F 7 | 18 15 | 8 22 | 4 12 | 11 0 | 2 59 | 26 28 | 3 6 | 1 42 | 0 41 | 7 12 | 1 29 | 7 26 | 2 17 | 23 13 | 0 27 | 9 28 | 1 10 | 4 47 | 16 8 | 16 30 | 16 25 | 27 20 | 5 14 | 4 57 |
| S 8 | 18 30 | 13 42 | 4 41 | 10 49 | 3 9 | 26 24 | 3 5 | 1 44 | 0 38 | 7 12 | 1 28 | 7 28 | 2 17 | 23 13 | 0 27 | 9 28 | 1 10 | 4 47 | 16 8 | 16 32 | 16 26 | 27 20 | 5 15 | 4 56 |
| S 9 | 18 45 | 18 23 | 4 57 | 10 40 | 3 17 | 26 20 | 3 4 | 1 46 | 0 35 | 7 12 | 1 28 | 7 31 | 2 17 | 23 12 | 0 27 | 9 28 | 1 10 | 4 47 | 16 8 | 16 36 | 16 27 | 27 19 | 5 15 | 4 56 |
| M10 | 18 59 | 22 15 | 4 59 | 10 33 | 3 25 | 26 14 | 3 2 | 1 48 | 0 33 | 7 11 | 1 28 | 7 33 | 2 17 | 23 12 | 0 27 | 9 28 | 1 10 | 4 46 | 16 8 | 16 40 | 16 28 | 27 19 | 5 15 | 4 55 |
| T 11 | 19 13 | 25 6 | 4 48 | 10 30 | 3 31 | 26 9 | 3 1 | 1 50 | 0 30 | 7 11 | 1 28 | 7 36 | 2 17 | 23 12 | 0 27 | 9 28 | 1 10 | 4 46 | 16 8 | 16 44 | 16 29 | 27 18 | 5 15 | 4 54 |
| W12 | 19 27 | 26 47 | 4 23 | 10 28 | 3 36 | 26 3 | 2 59 | 1 53 | 0 28 | 7 10 | 1 27 | 7 38 | 2 18 | 23 11 | 0 27 | 9 28 | 1 10 | 4 46 | 16 9 | 16 47 | 16 30 | 27 18 | 5 16 | 4 53 |
| T 13 | 19 40 | 27 14 | 3 47 | 10 29 | 3 40 | 25 56 | 2 57 | 1 56 | 0 26 | 7 9 | 1 27 | 7 41 | 2 18 | 23 11 | 0 27 | 9 28 | 1 9 | 4 45 | 16 9 | 16 50 | 16 31 | 27 17 | 5 16 | 4 52 |
| F 14 | 19 53 | 26 25 | 3 2 | 10 33 | 3 43 | 25 49 | 2 55 | 1 59 | 0 23 | 7 9 | 1 27 | 7 43 | 2 18 | 23 11 | 0 27 | 9 28 | 1 9 | 4 45 | 16 9 | 16 52 | 16 32 | 27 17 | 5 16 | 4 52 |
| S 15 | 20 6 | 24 24 | 2 8 | 10 38 | 3 45 | 25 41 | 2 53 | 2 2 | 0 21 | 7 8 | 1 27 | 7 46 | 2 18 | 23 10 | 0 27 | 9 28 | 1 9 | 4 45 | 16 9 | 16 54 | 16 33 | 27 16 | 5 16 | 4 51 |
| S 16 | 20 18 | 21 20 | 1 9 | 10 47 | 3 46 | 25 33 | 2 50 | 2 6 | 0 19 | 7 7 | 1 26 | 7 48 | 2 18 | 23 10 | 0 27 | 9 28 | 1 9 | 4 45 | 16 9 | 16 55 | 16 34 | 27 16 | 5 16 | 4 50 |
| M17 | 20 30 | 17 20 | 0 6 | 10 57 | 3 47 | 25 25 | 2 48 | 2 10 | 0 16 | 7 6 | 1 26 | 7 50 | 2 18 | 23 10 | 0 27 | 9 28 | 1 9 | 4 44 | 16 9 | 16 55 | 16 35 | 27 15 | 5 16 | 4 49 |
| T 18 | 20 41 | 12 34 | 0n58 | 11 9 | 3 46 | 25 16 | 2 45 | 2 14 | 0 14 | 7 5 | 1 26 | 7 53 | 2 18 | 23 10 | 0 27 | 9 28 | 1 9 | 4 44 | 16 10 | 16 55 | 16 36 | 27 14 | 5 15 | 4 49 |
| W19 | 20 53 | 7 12 | 2 1 | 11 23 | 3 44 | 25 7 | 2 42 | 2 19 | 0 12 | 7 4 | 1 26 | 7 55 | 2 18 | 23 9 | 0 27 | 9 28 | 1 9 | 4 44 | 16 10 | 16 55 | 16 37 | 27 14 | 5 15 | 4 48 |
| T 20 | 21 4 | 1 24 | 3 0 | 11 40 | 3 42 | 24 57 | 2 38 | 2 24 | 0 10 | 7 3 | 1 25 | 7 57 | 2 19 | 23 9 | 0 27 | 9 28 | 1 9 | 4 44 | 16 10 | 16 55 | 16 38 | 27 13 | 5 15 | 4 47 |
| F 21 | 21 14 | 4n38 | 3 51 | 11 58 | 3 38 | 24 47 | 2 35 | 2 29 | 0 7 | 7 2 | 1 25 | 8 0 | 2 19 | 23 8 | 0 27 | 9 28 | 1 9 | 4 43 | 16 10 | 16 56 | 16 38 | 27 13 | 5 15 | 4 46 |
| S 22 | 21 24 | 10 40 | 4 31 | 12 17 | 3 34 | 24 37 | 2 31 | 2 34 | 0 5 | 7 1 | 1 25 | 8 2 | 2 19 | 23 8 | 0 27 | 9 27 | 1 9 | 4 43 | 16 10 | 16 57 | 16 39 | 27 12 | 5 15 | 4 46 |
| S 23 | 21 34 | 16 22 | 4 56 | 12 39 | 3 29 | 24 26 | 2 27 | 2 39 | 0 3 | 6 59 | 1 25 | 8 4 | 2 19 | 23 8 | 0 27 | 9 27 | 1 9 | 4 43 | 16 10 | 16 59 | 16 40 | 27 12 | 5 14 | 4 45 |
| M24 | 21 44 | 21 19 | 5 3 | 13 1 | 3 24 | 24 15 | 2 22 | 2 45 | 0 1 | 6 58 | 1 24 | 8 6 | 2 19 | 23 7 | 0 27 | 9 27 | 1 9 | 4 43 | 16 11 | 17 2 | 16 41 | 27 11 | 5 14 | 4 44 |
| T 25 | 21 53 | 25 1 | 4 49 | 13 26 | 3 18 | 24 4 | 2 18 | 2 51 | 0s 1 | 6 56 | 1 24 | 8 8 | 2 19 | 23 7 | 0 27 | 9 27 | 1 9 | 4 43 | 16 11 | 17 5 | 16 42 | 27 10 | 5 14 | 4 43 |
| W26 | 22 2 | 26 59 | 4 15 | 13 51 | 3 11 | 23 52 | 2 13 | 2 57 | 0 3 | 6 55 | 1 24 | 8 11 | 2 19 | 23 7 | 0 27 | 9 27 | 1 9 | 4 42 | 16 11 | 17 7 | 16 43 | 27 10 | 5 13 | 4 43 |
| T 27 | 22 10 | 26 57 | 3 23 | 14 18 | 3 4 | 23 41 | 2 8 | 3 4 | 0 5 | 6 53 | 1 24 | 8 13 | 2 19 | 23 6 | 0 27 | 9 27 | 1 9 | 4 42 | 16 11 | 17 9 | 16 44 | 27 9 | 5 13 | 4 42 |
| F 28 | 22 18 | 24 54 | 2 17 | 14 46 | 2 56 | 23 28 | 2 3 | 3 10 | 0 7 | 6 52 | 1 24 | 8 15 | 2 20 | 23 6 | 0 27 | 9 26 | 1 9 | 4 42 | 16 11 | 17 11 | 16 45 | 27 9 | 5 12 | 4 41 |
| S 29 | 22 25 | 21 11 | 1 3 | 15 14 | 2 47 | 23 16 | 1 57 | 3 17 | 0 9 | 6 50 | 1 23 | 8 17 | 2 20 | 23 6 | 0 27 | 9 26 | 1 9 | 4 42 | 16 12 | 17 11 | 16 46 | 27 8 | 5 12 | 4 41 |
| S 30 | 22 33 | 16 16 | 0s13 | 15 44 | 2 38 | 23 4 | 1 51 | 3 24 | 0 11 | 6 48 | 1 23 | 8 19 | 2 20 | 23 5 | 0 27 | 9 26 | 1 9 | 4 42 | 16 12 | 17 11 | 16 47 | 27 7 | 5 11 | 4 40 |
| M31 | 22n39 | 10n36 | 1s27 | 16n14 | 2s29 | 22n51 | 1n45 | 3s32 | 0s13 | 6n46 | 1n23 | 8n21 | 2s20 | 23n 5 | 0n27 | 9n26 | 1n 9 | 4s42 | 16s12 | 17s11 | 16s48 | 27s 7 | 5n10 | 4s39 |

Julian Day Number = 2128431.5, Delta T = 16m55s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'25, Lahiri = 11°31'25 Julian Calendar 1 May 1115 == Greg. Calendar 8 May 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## JUNE 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 0 21 | 15♊30'34 | 12♍21 | 24♉31 | 26♋11 | 8♎37 | 16♍12 | 27♈18 | 15♋43 | 8♍40 | 26♈58 | 12°R20 | 13♒39 | 0♑ 9 | 5♍40 | T 1 |
| W 2 | 17 4 17 | 16°27'46 | 25°34 | 26° 1 | 26°45 | 8°52 | 16°16 | 27°24 | 15°46 | 8°40 | 26°59 | 12♒19 | 13°35 | 0°16 | 5°44 | W 2 |
| T 3 | 17 8 14 | 17°24'57 | 8♎27 | 27°34 | 27°17 | 9° 8 | 16°21 | 27°30 | 15°50 | 8°41 | 27° 0 | 12°17 | 13°32 | 0°22 | 5°48 | T 3 |
| F 4 | 17 12 10 | 18°22'08 | 21° 4 | 29°10 | 27°48 | 9°25 | 16°25 | 27°36 | 15°53 | 8°42 | 27° 1 | 12°13 | 13°29 | 0°29 | 5°52 | F 4 |
| S 5 | 17 16 7 | 19°19'18 | 3♏28 | 0♊49 | 28°17 | 9°42 | 16°30 | 27°42 | 15°56 | 8°42 | 27° 2 | 12° 7 | 13°26 | 0°36 | 5°56 | S 5 |
| S 6 | 17 20 3 | 20°16'28 | 15°41 | 2°31 | 28°45 | 9°59 | 16°35 | 27°48 | 16° 0 | 8°43 | 27° 3 | 11°58 | 13°23 | 0°42 | 6° 0 | S 6 |
| M 7 | 17 24 0 | 21°13'37 | 27°46 | 4°16 | 29°11 | 10°17 | 16°41 | 27°53 | 16° 3 | 8°44 | 27° 3 | 11°49 | 13°20 | 0°49 | 6° 5 | M 7 |
| T 8 | 17 27 57 | 22°10'47 | 9♐45 | 6° 4 | 29°36 | 10°35 | 16°46 | 27°59 | 16° 7 | 8°44 | 27° 4 | 11°40 | 13°16 | 0°56 | 6° 9 | T 8 |
| W 9 | 17 31 53 | 23° 7'56 | 21°39 | 7°55 | 29°59 | 10°54 | 16°52 | 28° 4 | 16°10 | 8°45 | 27° 5 | 11°31 | 13°13 | 1° 2 | 6°14 | W 9 |
| T 10 | 17 35 50 | 24° 5'04 | 3♑29 | 9°48 | 0♌20 | 11°14 | 16°57 | 28°10 | 16°13 | 8°46 | 27° 6 | 11°24 | 13°10 | 1° 9 | 6°18 | T 10 |
| F 11 | 17 39 46 | 25° 2'13 | 15°19 | 11°44 | 0°40 | 11°34 | 17° 3 | 28°15 | 16°17 | 8°47 | 27° 7 | 11°19 | 13° 7 | 1°16 | 6°23 | F 11 |
| S 12 | 17 43 43 | 25°59'22 | 27° 9 | 13°43 | 0°58 | 11°54 | 17° 9 | 28°20 | 16°20 | 8°48 | 27° 8 | 11°16 | 13° 4 | 1°22 | 6°28 | S 12 |
| S 13 | 17 47 39 | 26°56'30 | 9♒ 2 | 15°44 | 1°13 | 12°15 | 17°15 | 28°26 | 16°24 | 8°49 | 27° 8 | 11°D15 | 13° 0 | 1°29 | 6°32 | S 13 |
| M14 | 17 51 36 | 27°53'39 | 21° 3 | 17°46 | 1°27 | 12°36 | 17°21 | 28°31 | 16°27 | 8°50 | 27° 9 | 11°15 | 12°57 | 1°36 | 6°37 | M14 |
| T 15 | 17 55 32 | 28°50'48 | 3♓15 | 19°51 | 1°39 | 12°58 | 17°28 | 28°36 | 16°31 | 8°51 | 27°10 | 11°16 | 12°54 | 1°42 | 6°42 | T 15 |
| W16 | 17 59 29 | 29°47'57 | 15°41 | 21°57 | 1°48 | 13°20 | 17°34 | 28°41 | 16°35 | 8°52 | 27°11 | 11°18 | 12°51 | 1°49 | 6°47 | W16 |
| T 17 | 18 3 26 | 0♋45'07 | 28°28 | 24° 5 | 1°56 | 13°43 | 17°41 | 28°46 | 16°38 | 8°53 | 27°11 | 11°R19 | 12°48 | 1°56 | 6°52 | T 17 |
| F 18 | 18 7 22 | 1°42'17 | 11♈37 | 26°13 | 2° 1 | 14° 6 | 17°48 | 28°51 | 16°42 | 8°54 | 27°12 | 11°18 | 12°45 | 2° 2 | 6°58 | F 18 |
| S 19 | 18 11 19 | 2°39'27 | 25°13 | 28°22 | 2° 4 | 14°29 | 17°55 | 28°56 | 16°45 | 8°55 | 27°13 | 11°16 | 12°41 | 2° 9 | 7° 3 | S 19 |
| S 20 | 18 15 15 | 3°36'38 | 9♉18 | 0♋32 | 2°R 5 | 14°53 | 18° 2 | 29° 0 | 16°49 | 8°56 | 27°13 | 11°13 | 12°38 | 2°16 | 7° 8 | S 20 |
| M21 | 18 19 12 | 4°33'49 | 23°49 | 2°42 | 2° 3 | 15°17 | 18° 9 | 29° 5 | 16°52 | 8°57 | 27°14 | 11° 8 | 12°35 | 2°22 | 7°14 | M21 |
| T 22 | 18 23 8 | 5°31'01 | 8♊42 | 4°51 | 2° 0 | 15°42 | 18°16 | 29°10 | 16°56 | 8°58 | 27°15 | 11° 3 | 12°32 | 2°29 | 7°20 | T 22 |
| W23 | 18 27 5 | 6°28'14 | 23°51 | 7° 0 | 1°53 | 16° 7 | 18°24 | 29°14 | 17° 0 | 9° 0 | 27°15 | 10°58 | 12°29 | 2°36 | 7°25 | W23 |
| T 24 | 18 31 1 | 7°25'27 | 9♋ 5 | 9° 9 | 1°45 | 16°32 | 18°31 | 29°18 | 17° 3 | 9° 1 | 27°16 | 10°54 | 12°26 | 2°42 | 7°31 | T 24 |
| F 25 | 18 34 58 | 8°22'40 | 24°14 | 11°16 | 1°34 | 16°58 | 18°39 | 29°23 | 17° 7 | 9° 2 | 27°16 | 10°52 | 12°22 | 2°49 | 7°37 | F 25 |
| S 26 | 18 38 55 | 9°19'53 | 9♌10 | 13°23 | 1°21 | 17°24 | 18°47 | 29°27 | 17°11 | 9° 4 | 27°17 | 10°D51 | 12°19 | 2°56 | 7°43 | S 26 |
| S 27 | 18 42 51 | 10°17'06 | 23°44 | 15°28 | 1° 5 | 17°51 | 18°55 | 29°31 | 17°14 | 9° 5 | 27°18 | 10°51 | 12°16 | 3° 3 | 7°49 | S 27 |
| M28 | 18 46 48 | 11°14'20 | 7♍54 | 17°33 | 0°47 | 18°18 | 19° 3 | 29°35 | 17°18 | 9° 6 | 27°18 | 10°53 | 12°13 | 3° 9 | 7°55 | M28 |
| T 29 | 18 50 44 | 12°11'34 | 21°37 | 19°35 | 0°27 | 18°45 | 19°11 | 29°39 | 17°22 | 9° 8 | 27°19 | 10°54 | 12°10 | 3°16 | 8° 1 | T 29 |
| W30 | 18 54 41 | 13♋ 8'48 | 4♎54 | 21♋36 | 0♌ 4 | 19♎13 | 19♍19 | 29♈43 | 17♋25 | 9♍ 9 | 27♈19 | 10♒55 | 12♒ 6 | 3♑23 | 8♍ 7 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n46 | 4n36 | 2s34 | 16n45 | 2s19 | 22n38 | 1n39 | 3s39 | 0s14 | 6n44 | 1n23 | 8n23 | 2s20 | 23n 4 | 0n27 | 9n26 | 1n 9 | 4s42 | 16s12 | 17s11 | 16s49 | 27s 6 | 5n10 | 4s38 |
| W 2 | 22 52 | 1s26 | 3 30 | 17 16 | 2 8 | 22 25 | 1 32 | 3 47 | 0 16 | 6 42 | 1 22 | 8 25 | 2 20 | 23 4 | 0 27 | 9 25 | 1 9 | 4 41 | 16 13 | 17 11 | 16 50 | 27 5 | 5 9 | 4 38 |
| T 3 | 22 57 | 7 16 | 4 15 | 17 48 | 1 58 | 22 12 | 1 25 | 3 55 | 0 18 | 6 40 | 1 22 | 8 27 | 2 21 | 23 4 | 0 27 | 9 25 | 1 9 | 4 41 | 16 13 | 17 12 | 16 50 | 27 5 | 5 8 | 4 37 |
| F 4 | 23 3 | 12 40 | 4 46 | 18 20 | 1 47 | 21 58 | 1 18 | 4 3 | 0 20 | 6 38 | 1 22 | 8 29 | 2 21 | 23 3 | 0 27 | 9 25 | 1 9 | 4 41 | 16 13 | 17 13 | 16 51 | 27 4 | 5 7 | 4 36 |
| S 5 | 23 7 | 17 28 | 5 3 | 18 52 | 1 36 | 21 45 | 1 10 | 4 11 | 0 21 | 6 36 | 1 22 | 8 31 | 2 21 | 23 3 | 0 27 | 9 24 | 1 9 | 4 41 | 16 13 | 17 15 | 16 52 | 27 3 | 5 6 | 4 36 |
| S 6 | 23 12 | 21 29 | 5 5 | 19 23 | 1 24 | 21 31 | 1 2 | 4 20 | 0 23 | 6 34 | 1 21 | 8 33 | 2 21 | 23 2 | 0 27 | 9 24 | 1 9 | 4 41 | 16 14 | 17 17 | 16 53 | 27 3 | 5 6 | 4 35 |
| M 7 | 23 16 | 24 32 | 4 54 | 19 55 | 1 13 | 21 18 | 0 54 | 4 28 | 0 25 | 6 32 | 1 21 | 8 34 | 2 21 | 23 2 | 0 27 | 9 24 | 1 9 | 4 41 | 16 14 | 17 20 | 16 54 | 27 2 | 5 5 | 4 34 |
| T 8 | 23 19 | 26 29 | 4 31 | 20 26 | 1 1 | 21 4 | 0 45 | 4 37 | 0 26 | 6 29 | 1 21 | 8 36 | 2 21 | 23 2 | 0 27 | 9 24 | 1 9 | 4 41 | 16 14 | 17 22 | 16 55 | 27 1 | 5 4 | 4 33 |
| W 9 | 23 23 | 27 12 | 3 55 | 20 56 | 0 49 | 20 50 | 0 36 | 4 46 | 0 28 | 6 27 | 1 21 | 8 38 | 2 22 | 23 1 | 0 27 | 9 23 | 1 9 | 4 41 | 16 14 | 17 25 | 16 56 | 27 1 | 5 3 | 4 33 |
| T 10 | 23 25 | 26 40 | 3 9 | 21 25 | 0 37 | 20 37 | 0 27 | 4 55 | 0 30 | 6 25 | 1 21 | 8 40 | 2 22 | 23 1 | 0 27 | 9 23 | 1 9 | 4 41 | 16 15 | 17 27 | 16 57 | 27 0 | 5 2 | 4 32 |
| F 11 | 23 28 | 24 55 | 2 16 | 21 53 | 0 25 | 20 23 | 0 17 | 5 4 | 0 31 | 6 22 | 1 20 | 8 42 | 2 22 | 23 0 | 0 27 | 9 23 | 1 9 | 4 41 | 16 15 | 17 28 | 16 58 | 26 59 | 5 1 | 4 31 |
| S 12 | 23 30 | 22 4 | 1 16 | 22 20 | 0 14 | 20 10 | 0 7 | 5 14 | 0 33 | 6 20 | 1 20 | 8 43 | 2 22 | 23 0 | 0 27 | 9 22 | 1 9 | 4 41 | 16 15 | 17 29 | 16 59 | 26 59 | 4 59 | 4 31 |
| S 13 | 23 31 | 18 17 | 0 12 | 22 45 | 0 2 | 19 56 | 0s 3 | 5 23 | 0 34 | 6 17 | 1 20 | 8 45 | 2 22 | 22 59 | 0 27 | 9 22 | 1 9 | 4 41 | 16 15 | 17 29 | 17 0 | 26 58 | 4 58 | 4 30 |
| M14 | 23 32 | 13 43 | 0n53 | 23 8 | 0n 9 | 19 43 | 0 14 | 5 33 | 0 36 | 6 14 | 1 20 | 8 47 | 2 23 | 22 59 | 0 27 | 9 21 | 1 9 | 4 41 | 16 16 | 17 29 | 17 0 | 26 57 | 4 57 | 4 29 |
| T 15 | 23 33 | 8 33 | 1 57 | 23 30 | 0 20 | 19 30 | 0 25 | 5 43 | 0 37 | 6 12 | 1 19 | 8 48 | 2 23 | 22 59 | 0 27 | 9 21 | 1 9 | 4 41 | 16 16 | 17 29 | 17 1 | 26 56 | 4 56 | 4 29 |
| W16 | 23 33 | 2 58 | 2 56 | 23 49 | 0 30 | 19 16 | 0 36 | 5 53 | 0 39 | 6 9 | 1 19 | 8 50 | 2 23 | 22 58 | 0 27 | 9 21 | 1 9 | 4 41 | 16 16 | 17 28 | 17 2 | 26 56 | 4 55 | 4 28 |
| T 17 | 23 33 | 2n52 | 3 48 | 24 5 | 0 40 | 19 3 | 0 47 | 6 3 | 0 40 | 6 6 | 1 19 | 8 51 | 2 23 | 22 58 | 0 27 | 9 20 | 1 8 | 4 41 | 16 16 | 17 28 | 17 3 | 26 55 | 4 53 | 4 28 |
| F 18 | 23 33 | 8 46 | 4 31 | 24 20 | 0 50 | 18 51 | 0 59 | 6 13 | 0 41 | 6 3 | 1 19 | 8 53 | 2 23 | 22 57 | 0 27 | 9 20 | 1 8 | 4 41 | 16 17 | 17 28 | 17 4 | 26 54 | 4 52 | 4 27 |
| S 19 | 23 32 | 14 26 | 4 59 | 24 31 | 0 58 | 18 38 | 1 12 | 6 24 | 0 43 | 6 0 | 1 19 | 8 55 | 2 24 | 22 57 | 0 27 | 9 19 | 1 8 | 4 41 | 16 17 | 17 29 | 17 5 | 26 53 | 4 51 | 4 26 |
| S 20 | 23 30 | 19 34 | 5 11 | 24 40 | 1 7 | 18 26 | 1 24 | 6 34 | 0 44 | 5 57 | 1 18 | 8 56 | 2 24 | 22 56 | 0 27 | 9 19 | 1 8 | 4 41 | 16 17 | 17 30 | 17 6 | 26 52 | 4 49 | 4 26 |
| M21 | 23 29 | 23 43 | 5 4 | 24 46 | 1 14 | 18 13 | 1 37 | 6 45 | 0 46 | 5 54 | 1 18 | 8 57 | 2 24 | 22 56 | 0 27 | 9 18 | 1 8 | 4 41 | 16 18 | 17 31 | 17 7 | 26 52 | 4 48 | 4 25 |
| T 22 | 23 26 | 26 24 | 4 36 | 24 49 | 1 21 | 18 2 | 1 50 | 6 56 | 0 47 | 5 51 | 1 18 | 8 59 | 2 24 | 22 55 | 0 27 | 9 18 | 1 8 | 4 41 | 16 18 | 17 32 | 17 8 | 26 51 | 4 46 | 4 24 |
| W23 | 23 24 | 27 13 | 3 49 | 24 49 | 1 27 | 17 50 | 2 3 | 7 7 | 0 48 | 5 48 | 1 18 | 9 0 | 2 24 | 22 55 | 0 27 | 9 17 | 1 8 | 4 41 | 16 18 | 17 34 | 17 9 | 26 50 | 4 45 | 4 24 |
| T 24 | 23 21 | 25 59 | 2 45 | 24 47 | 1 33 | 17 39 | 2 17 | 7 18 | 0 49 | 5 45 | 1 18 | 9 2 | 2 25 | 22 55 | 0 27 | 9 17 | 1 8 | 4 41 | 16 18 | 17 35 | 17 9 | 26 49 | 4 43 | 4 23 |
| F 25 | 23 17 | 22 51 | 1 30 | 24 41 | 1 37 | 17 28 | 2 30 | 7 29 | 0 51 | 5 42 | 1 17 | 9 3 | 2 25 | 22 54 | 0 27 | 9 16 | 1 8 | 4 41 | 16 19 | 17 35 | 17 10 | 26 48 | 4 42 | 4 23 |
| S 26 | 23 14 | 18 12 | 0 9 | 24 33 | 1 41 | 17 17 | 2 44 | 7 40 | 0 52 | 5 39 | 1 17 | 9 4 | 2 25 | 22 54 | 0 27 | 9 16 | 1 8 | 4 41 | 16 19 | 17 36 | 17 11 | 26 48 | 4 40 | 4 22 |
| S 27 | 23 9 | 12 34 | 1s10 | 24 23 | 1 44 | 17 7 | 2 58 | 7 51 | 0 53 | 5 35 | 1 17 | 9 5 | 2 25 | 22 53 | 0 27 | 9 15 | 1 8 | 4 41 | 16 19 | 17 36 | 17 12 | 26 47 | 4 38 | 4 21 |
| M28 | 23 5 | 6 26 | 2 23 | 24 10 | 1 47 | 16 57 | 3 13 | 8 3 | 0 54 | 5 32 | 1 17 | 9 7 | 2 26 | 22 53 | 0 27 | 9 15 | 1 8 | 4 42 | 16 20 | 17 35 | 17 13 | 26 46 | 4 37 | 4 21 |
| T 29 | 23 0 | 0 12 | 3 25 | 23 54 | 1 49 | 16 47 | 3 27 | 8 14 | 0 55 | 5 29 | 1 17 | 9 8 | 2 26 | 22 52 | 0 27 | 9 14 | 1 8 | 4 42 | 16 20 | 17 35 | 17 14 | 26 45 | 4 35 | 4 20 |
| W30 | 22n54 | 5s50 | 4s14 | 23n37 | 1n50 | 16n38 | 3s41 | 8s26 | 0s57 | 5n25 | 1n16 | 9n 9 | 2s26 | 22n52 | 0n27 | 9n14 | 1n 8 | 4s42 | 16s20 | 17s35 | 17s15 | 26s44 | 4n33 | 4s20 |

Julian Day Number = 2128462.5, Delta T = 16m54s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'29, Lahiri = 11°31'30 Julian Calendar 1 June 1115 == Greg. Calendar 8 June 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## JULY 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 58 37 | 14♋ 6'02 | 17♎48 | 23♋36 | 29°R40 | 19♎40 | 19♍27 | 29♈47 | 17♋29 | 9♍10 | 27♈19 | 10°R55 | 12♒ 3 | 3♑29 | 8♍13 | T 1 |
| F 2 | 19 2 34 | 15° 3'16 | 0♏23 | 25°34 | 29♋13 | 20° 9 | 19°36 | 29°51 | 17°33 | 9°12 | 27°20 | 10♒55 | 12° 0 | 3°36 | 8°20 | F 2 |
| S 3 | 19 6 30 | 16° 0'31 | 12°42 | 27°30 | 28°45 | 20°37 | 19°45 | 29°54 | 17°36 | 9°13 | 27°20 | 10°52 | 11°57 | 3°43 | 8°26 | S 3 |
| S 4 | 19 10 27 | 16°57'47 | 24°49 | 29°24 | 28°14 | 21° 6 | 19°53 | 29°58 | 17°40 | 9°15 | 27°21 | 10°49 | 11°54 | 3°49 | 8°32 | S 4 |
| M 5 | 19 14 24 | 17°55'02 | 6♐48 | 1♌17 | 27°42 | 21°35 | 20° 2 | 0♉ 1 | 17°44 | 9°16 | 27°21 | 10°46 | 11°51 | 3°56 | 8°39 | M 5 |
| T 6 | 19 18 20 | 18°52'19 | 18°41 | 3° 8 | 27° 9 | 22° 4 | 20°11 | 0° 5 | 17°47 | 9°18 | 27°21 | 10°42 | 11°47 | 4° 3 | 8°45 | T 6 |
| W 7 | 19 22 17 | 19°49'36 | 0♑31 | 4°57 | 26°34 | 22°34 | 20°20 | 0° 8 | 17°51 | 9°19 | 27°22 | 10°39 | 11°44 | 4° 9 | 8°52 | W 7 |
| T 8 | 19 26 13 | 20°46'53 | 12°21 | 6°45 | 25°59 | 23° 4 | 20°29 | 0°11 | 17°55 | 9°21 | 27°22 | 10°36 | 11°41 | 4°16 | 8°59 | T 8 |
| F 9 | 19 30 10 | 21°44'12 | 24°12 | 8°31 | 25°22 | 23°34 | 20°39 | 0°14 | 17°58 | 9°23 | 27°22 | 10°35 | 11°38 | 4°23 | 9° 6 | F 9 |
| S 10 | 19 34 6 | 22°41'31 | 6♒ 8 | 10°15 | 24°45 | 24° 5 | 20°48 | 0°17 | 18° 2 | 9°24 | 27°23 | 10°D34 | 11°35 | 4°29 | 9°12 | S 10 |
| S 11 | 19 38 3 | 23°38'51 | 18° 9 | 11°57 | 24° 8 | 24°36 | 20°57 | 0°20 | 18° 6 | 9°26 | 27°23 | 10°34 | 11°32 | 4°36 | 9°19 | S 11 |
| M12 | 19 42 0 | 24°36'12 | 0♓19 | 13°38 | 23°31 | 25° 7 | 21° 7 | 0°23 | 18° 9 | 9°28 | 27°23 | 10°35 | 11°28 | 4°43 | 9°26 | M12 |
| T 13 | 19 45 56 | 25°33'34 | 12°40 | 15°17 | 22°53 | 25°38 | 21°17 | 0°26 | 18°13 | 9°29 | 27°23 | 10°36 | 11°25 | 4°49 | 9°33 | T 13 |
| W14 | 19 49 53 | 26°30'57 | 25°14 | 16°55 | 22°16 | 26°10 | 21°26 | 0°28 | 18°17 | 9°31 | 27°23 | 10°37 | 11°22 | 4°56 | 9°40 | W14 |
| T 15 | 19 53 49 | 27°28'21 | 8♈ 5 | 18°30 | 21°40 | 26°42 | 21°36 | 0°31 | 18°20 | 9°33 | 27°24 | 10°38 | 11°19 | 5° 3 | 9°48 | T 15 |
| F 16 | 19 57 46 | 28°25'46 | 21°15 | 20° 4 | 21° 5 | 27°14 | 21°46 | 0°33 | 18°24 | 9°35 | 27°24 | 10°39 | 11°16 | 5° 9 | 9°55 | F 16 |
| S 17 | 20 1 42 | 29°23'13 | 4♉47 | 21°37 | 20°31 | 27°46 | 21°56 | 0°35 | 18°27 | 9°36 | 27°24 | 10°R39 | 11°12 | 5°16 | 10° 2 | S 17 |
| S 18 | 20 5 39 | 0♌20'42 | 18°42 | 23° 7 | 19°57 | 28°19 | 22° 6 | 0°38 | 18°31 | 9°38 | 27°24 | 10°38 | 11° 9 | 5°23 | 10° 9 | S 18 |
| M19 | 20 9 35 | 1°18'11 | 2♊59 | 24°36 | 19°26 | 28°52 | 22°16 | 0°40 | 18°35 | 9°40 | 27°24 | 10°37 | 11° 6 | 5°29 | 10°17 | M19 |
| T 20 | 20 13 32 | 2°15'42 | 17°37 | 26° 4 | 18°56 | 29°25 | 22°27 | 0°42 | 18°38 | 9°42 | 27°24 | 10°37 | 11° 3 | 5°36 | 10°24 | T 20 |
| W21 | 20 17 29 | 3°13'15 | 2♋30 | 27°29 | 18°28 | 29°58 | 22°37 | 0°44 | 18°42 | 9°44 | 27°24 | 10°36 | 11° 0 | 5°43 | 10°32 | W21 |
| T 22 | 20 21 25 | 4°10'49 | 17°32 | 28°53 | 18° 2 | 0♏32 | 22°47 | 0°45 | 18°46 | 9°46 | 27°R24 | 10°35 | 10°57 | 5°49 | 10°39 | T 22 |
| F 23 | 20 25 22 | 5° 8'24 | 2♌33 | 0♍15 | 17°37 | 1° 6 | 22°58 | 0°47 | 18°49 | 9°47 | 27°24 | 10°35 | 10°53 | 5°56 | 10°47 | F 23 |
| S 24 | 20 29 18 | 6° 6'00 | 17°26 | 1°35 | 17°15 | 1°40 | 23° 8 | 0°49 | 18°53 | 9°49 | 27°24 | 10°D35 | 10°50 | 6° 3 | 10°54 | S 24 |
| S 25 | 20 33 15 | 7° 3'38 | 2♍ 3 | 2°53 | 16°55 | 2°14 | 23°19 | 0°50 | 18°56 | 9°51 | 27°24 | 10°35 | 10°47 | 6° 9 | 11° 2 | S 25 |
| M26 | 20 37 11 | 8° 1'16 | 16°18 | 4°10 | 16°38 | 2°48 | 23°30 | 0°52 | 19° 0 | 9°53 | 27°24 | 10°35 | 10°44 | 6°16 | 11°10 | M26 |
| T 27 | 20 41 8 | 8°58'56 | 0♎ 8 | 5°24 | 16°22 | 3°23 | 23°41 | 0°53 | 19° 3 | 9°55 | 27°24 | 10°35 | 10°41 | 6°23 | 11°17 | T 27 |
| W28 | 20 45 4 | 9°56'36 | 13°32 | 6°36 | 16°10 | 3°58 | 23°52 | 0°54 | 19° 7 | 9°57 | 27°24 | 10°35 | 10°38 | 6°29 | 11°25 | W28 |
| T 29 | 20 49 1 | 10°54'18 | 26°31 | 7°47 | 15°59 | 4°33 | 24° 3 | 0°55 | 19°10 | 9°59 | 27°24 | 10°R36 | 10°34 | 6°36 | 11°33 | T 29 |
| F 30 | 20 52 58 | 11°52'01 | 9♏ 8 | 8°55 | 15°51 | 5° 8 | 24°14 | 0°56 | 19°14 | 10° 1 | 27°23 | 10°D35 | 10°31 | 6°43 | 11°41 | F 30 |
| S 31 | 20 56 54 | 12♌49'45 | 21♏27 | 10♍ 0 | 15♋45 | 5♏44 | 24♍25 | 0♉57 | 19♋17 | 10♍ 3 | 27♈23 | 10♒36 | 10♒28 | 6♑49 | 11♍49 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n48 | 11s28 | 4s49 | 23n17 | 1n50 | 16n29 | 3s55 | 8s37 | 0s58 | 5n22 | 1n16 | 9n10 | 2s26 | 22n51 | 0n27 | 9n13 | 1n 8 | 4s42 | 16s21 | 17s35 | 17s16 | 26s43 | 4n31 | 4s19 |
| F 2 | 22 42 | 16 28 | 5 9 | 22 56 | 1 50 | 16 21 | 4 9 | 8 49 | 0 59 | 5 18 | 1 16 | 9 11 | 2 26 | 22 51 | 0 27 | 9 13 | 1 8 | 4 42 | 16 21 | 17 35 | 17 17 | 26 42 | 4 30 | 4 18 |
| S 3 | 22 35 | 20 42 | 5 14 | 22 32 | 1 49 | 16 13 | 4 23 | 9 1 | 1 0 | 5 15 | 1 16 | 9 12 | 2 27 | 22 50 | 0 27 | 9 12 | 1 8 | 4 42 | 16 21 | 17 35 | 17 17 | 26 42 | 4 28 | 4 18 |
| S 4 | 22 28 | 23 59 | 5 5 | 22 7 | 1 47 | 16 6 | 4 36 | 9 13 | 1 1 | 5 11 | 1 16 | 9 13 | 2 27 | 22 50 | 0 27 | 9 12 | 1 8 | 4 42 | 16 22 | 17 36 | 17 18 | 26 41 | 4 26 | 4 17 |
| M 5 | 22 21 | 26 11 | 4 42 | 21 41 | 1 45 | 15 59 | 4 50 | 9 25 | 1 2 | 5 7 | 1 16 | 9 14 | 2 27 | 22 49 | 0 27 | 9 11 | 1 8 | 4 43 | 16 22 | 17 37 | 17 19 | 26 40 | 4 24 | 4 17 |
| T 6 | 22 13 | 27 11 | 4 8 | 21 12 | 1 42 | 15 53 | 5 3 | 9 37 | 1 3 | 5 4 | 1 15 | 9 15 | 2 27 | 22 49 | 0 27 | 9 10 | 1 8 | 4 43 | 16 22 | 17 38 | 17 20 | 26 39 | 4 22 | 4 16 |
| W 7 | 22 5 | 26 56 | 3 23 | 20 43 | 1 39 | 15 47 | 5 15 | 9 49 | 1 4 | 5 0 | 1 15 | 9 16 | 2 28 | 22 48 | 0 27 | 9 10 | 1 8 | 4 43 | 16 22 | 17 39 | 17 21 | 26 38 | 4 20 | 4 16 |
| T 8 | 21 56 | 25 28 | 2 29 | 20 13 | 1 35 | 15 41 | 5 28 | 10 1 | 1 5 | 4 56 | 1 15 | 9 17 | 2 28 | 22 48 | 0 27 | 9 9 | 1 8 | 4 43 | 16 23 | 17 40 | 17 22 | 26 37 | 4 18 | 4 15 |
| F 9 | 21 47 | 22 50 | 1 29 | 19 41 | 1 31 | 15 36 | 5 39 | 10 13 | 1 6 | 4 52 | 1 15 | 9 18 | 2 28 | 22 47 | 0 27 | 9 8 | 1 8 | 4 43 | 16 23 | 17 40 | 17 23 | 26 36 | 4 16 | 4 15 |
| S 10 | 21 38 | 19 14 | 0 24 | 19 9 | 1 26 | 15 32 | 5 50 | 10 25 | 1 7 | 4 49 | 1 15 | 9 19 | 2 28 | 22 47 | 0 27 | 9 8 | 1 8 | 4 44 | 16 23 | 17 40 | 17 24 | 26 35 | 4 14 | 4 14 |
| S 11 | 21 28 | 14 48 | 0n42 | 18 35 | 1 21 | 15 28 | 6 1 | 10 38 | 1 8 | 4 45 | 1 15 | 9 19 | 2 29 | 22 47 | 0 27 | 9 7 | 1 8 | 4 44 | 16 24 | 17 40 | 17 25 | 26 34 | 4 12 | 4 14 |
| M12 | 21 18 | 9 45 | 1 47 | 18 1 | 1 16 | 15 24 | 6 11 | 10 50 | 1 9 | 4 41 | 1 14 | 9 20 | 2 29 | 22 46 | 0 27 | 9 7 | 1 8 | 4 44 | 16 24 | 17 40 | 17 25 | 26 33 | 4 10 | 4 13 |
| T 13 | 21 8 | 4 15 | 2 48 | 17 26 | 1 10 | 15 21 | 6 20 | 11 2 | 1 10 | 4 37 | 1 14 | 9 21 | 2 29 | 22 46 | 0 27 | 9 6 | 1 8 | 4 44 | 16 24 | 17 40 | 17 26 | 26 32 | 4 7 | 4 13 |
| W14 | 20 57 | 1n30 | 3 43 | 16 51 | 1 3 | 15 19 | 6 29 | 11 15 | 1 11 | 4 33 | 1 14 | 9 22 | 2 29 | 22 45 | 0 27 | 9 5 | 1 8 | 4 44 | 16 25 | 17 40 | 17 27 | 26 31 | 4 5 | 4 12 |
| T 15 | 20 46 | 7 18 | 4 27 | 16 15 | 0 56 | 15 17 | 6 36 | 11 27 | 1 11 | 4 29 | 1 14 | 9 22 | 2 30 | 22 45 | 0 27 | 9 4 | 1 8 | 4 45 | 16 25 | 17 39 | 17 28 | 26 30 | 4 3 | 4 12 |
| F 16 | 20 35 | 12 56 | 4 59 | 15 39 | 0 49 | 15 15 | 6 43 | 11 40 | 1 12 | 4 25 | 1 14 | 9 23 | 2 30 | 22 44 | 0 27 | 9 4 | 1 8 | 4 45 | 16 25 | 17 39 | 17 29 | 26 29 | 4 1 | 4 11 |
| S 17 | 20 23 | 18 7 | 5 15 | 15 2 | 0 42 | 15 14 | 6 49 | 11 52 | 1 13 | 4 21 | 1 14 | 9 23 | 2 30 | 22 44 | 0 27 | 9 3 | 1 8 | 4 45 | 16 26 | 17 39 | 17 30 | 26 28 | 3 59 | 4 11 |
| S 18 | 20 11 | 22 29 | 5 14 | 14 25 | 0 34 | 15 13 | 6 55 | 12 5 | 1 14 | 4 16 | 1 14 | 9 24 | 2 30 | 22 43 | 0 27 | 9 2 | 1 8 | 4 45 | 16 26 | 17 39 | 17 31 | 26 27 | 3 56 | 4 10 |
| M19 | 19 58 | 25 39 | 4 53 | 13 48 | 0 26 | 15 13 | 7 0 | 12 17 | 1 15 | 4 12 | 1 13 | 9 24 | 2 31 | 22 43 | 0 27 | 9 2 | 1 8 | 4 46 | 16 26 | 17 39 | 17 32 | 26 26 | 3 54 | 4 10 |
| T 20 | 19 45 | 27 11 | 4 13 | 13 11 | 0 18 | 15 13 | 7 3 | 12 30 | 1 16 | 4 8 | 1 13 | 9 25 | 2 31 | 22 42 | 0 27 | 9 1 | 1 8 | 4 46 | 16 27 | 17 40 | 17 32 | 26 25 | 3 52 | 4 9 |
| W21 | 19 32 | 26 48 | 3 16 | 12 33 | 0 10 | 15 14 | 7 7 | 12 42 | 1 16 | 4 4 | 1 13 | 9 25 | 2 31 | 22 42 | 0 27 | 9 0 | 1 8 | 4 46 | 16 27 | 17 40 | 17 33 | 26 24 | 3 49 | 4 9 |
| T 22 | 19 18 | 24 27 | 2 5 | 11 56 | 0 1 | 15 15 | 7 9 | 12 55 | 1 17 | 3 59 | 1 13 | 9 26 | 2 31 | 22 41 | 0 27 | 9 0 | 1 8 | 4 47 | 16 27 | 17 40 | 17 34 | 26 23 | 3 47 | 4 8 |
| F 23 | 19 4 | 20 24 | 0 44 | 11 19 | 0s 8 | 15 16 | 7 11 | 13 8 | 1 18 | 3 55 | 1 13 | 9 26 | 2 32 | 22 41 | 0 27 | 8 59 | 1 8 | 4 47 | 16 28 | 17 40 | 17 35 | 26 22 | 3 44 | 4 8 |
| S 24 | 18 50 | 15 5 | 0s38 | 10 42 | 0 17 | 15 18 | 7 12 | 13 20 | 1 19 | 3 51 | 1 13 | 9 26 | 2 32 | 22 40 | 0 27 | 8 58 | 1 8 | 4 47 | 16 28 | 17 40 | 17 36 | 26 21 | 3 42 | 4 7 |
| S 25 | 18 36 | 8 59 | 1 56 | 10 5 | 0 27 | 15 20 | 7 12 | 13 33 | 1 19 | 3 46 | 1 13 | 9 27 | 2 32 | 22 40 | 0 27 | 8 57 | 1 8 | 4 47 | 16 28 | 17 40 | 17 37 | 26 20 | 3 39 | 4 7 |
| M26 | 18 21 | 2 35 | 3 6 | 9 28 | 0 36 | 15 22 | 7 12 | 13 45 | 1 20 | 3 42 | 1 12 | 9 27 | 2 32 | 22 39 | 0 27 | 8 57 | 1 8 | 4 48 | 16 29 | 17 40 | 17 38 | 26 19 | 3 37 | 4 7 |
| T 27 | 18 6 | 3s45 | 4 2 | 8 52 | 0 46 | 15 25 | 7 11 | 13 58 | 1 21 | 3 38 | 1 12 | 9 27 | 2 33 | 22 39 | 0 27 | 8 56 | 1 8 | 4 48 | 16 29 | 17 40 | 17 39 | 26 18 | 3 34 | 4 6 |
| W28 | 17 51 | 9 42 | 4 43 | 8 16 | 0 56 | 15 28 | 7 9 | 14 11 | 1 21 | 3 33 | 1 12 | 9 27 | 2 33 | 22 38 | 0 27 | 8 55 | 1 8 | 4 48 | 16 29 | 17 40 | 17 39 | 26 17 | 3 32 | 4 6 |
| T 29 | 17 35 | 15 3 | 5 8 | 7 41 | 1 6 | 15 31 | 7 7 | 14 23 | 1 22 | 3 29 | 1 12 | 9 27 | 2 33 | 22 38 | 0 27 | 8 54 | 1 8 | 4 49 | 16 30 | 17 40 | 17 40 | 26 16 | 3 29 | 4 5 |
| F 30 | 17 19 | 19 37 | 5 17 | 7 6 | 1 16 | 15 35 | 7 5 | 14 36 | 1 23 | 3 24 | 1 12 | 9 27 | 2 33 | 22 37 | 0 27 | 8 54 | 1 8 | 4 49 | 16 30 | 17 40 | 17 41 | 26 15 | 3 27 | 4 5 |
| S 31 | 17n 3 | 23s13 | 5s12 | 6n32 | 1s26 | 15n38 | 7s 2 | 14s48 | 1s23 | 3n20 | 1n12 | 9n28 | 2s34 | 22n37 | 0n27 | 8n53 | 1n 8 | 4s50 | 16s30 | 17s40 | 17s42 | 26s14 | 3n24 | 4s 4 |

Julian Day Number = 2128492.5, Delta T = 16m54s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'33, Lahiri = 11°31'34 Julian Calendar 1 July 1115 == Greg. Calendar 8 July 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## AUGUST 1115 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 0 51 | 13♌47'30 | 3♐32 | 11♍ 4 | 15°R42 | 6♏20 | 24♍36 | 0♉58 | 19♋21 | 10♍ 5 | 27°R23 | 10♒36 | 10♒25 | 6♑56 | 11♍57 | S 1 |
| M 2 | 21 4 47 | 14°45'17 | 15°28 | 12° 5 | 15°D40 | 6°56 | 24°47 | 0°58 | 19°24 | 10° 7 | 27♈23 | 10°36 | 10°22 | 7° 3 | 12° 5 | M 2 |
| T 3 | 21 8 44 | 15°43'05 | 27°19 | 13° 3 | 15♋42 | 7°32 | 24°59 | 0°59 | 19°27 | 10° 9 | 27°23 | 10°37 | 10°18 | 7° 9 | 12°13 | T 3 |
| W 4 | 21 12 40 | 16°40'54 | 9♑ 8 | 13°58 | 15°45 | 8° 8 | 25°10 | 0°59 | 19°31 | 10°11 | 27°22 | 10°37 | 10°15 | 7°16 | 12°21 | W 4 |
| T 5 | 21 16 37 | 17°38'44 | 21° 0 | 14°51 | 15°51 | 8°45 | 25°21 | 1° 0 | 19°34 | 10°14 | 27°22 | 10°38 | 10°12 | 7°23 | 12°29 | T 5 |
| F 6 | 21 20 33 | 18°36'36 | 2♒56 | 15°40 | 15°59 | 9°21 | 25°33 | 1° 0 | 19°37 | 10°16 | 27°22 | 10°38 | 10° 9 | 7°29 | 12°37 | F 6 |
| S 7 | 21 24 30 | 19°34'29 | 15° 1 | 16°26 | 16° 9 | 9°58 | 25°45 | 1° 0 | 19°41 | 10°18 | 27°22 | 10°R38 | 10° 6 | 7°36 | 12°45 | S 7 |
| S 8 | 21 28 27 | 20°32'24 | 27°14 | 17° 9 | 16°21 | 10°35 | 25°56 | 1°R 0 | 19°44 | 10°20 | 27°21 | 10°38 | 10° 3 | 7°43 | 12°53 | S 8 |
| M 9 | 21 32 23 | 21°30'21 | 9♓39 | 17°48 | 16°36 | 11°12 | 26° 8 | 1° 0 | 19°47 | 10°22 | 27°21 | 10°37 | 9°59 | 7°49 | 13° 1 | M 9 |
| T 10 | 21 36 20 | 22°28'19 | 22°16 | 18°23 | 16°52 | 11°50 | 26°20 | 1° 0 | 19°51 | 10°24 | 27°20 | 10°35 | 9°56 | 7°56 | 13°10 | T 10 |
| W11 | 21 40 16 | 23°26'19 | 5♈ 7 | 18°53 | 17°10 | 12°27 | 26°31 | 0°59 | 19°54 | 10°26 | 27°20 | 10°34 | 9°53 | 8° 3 | 13°18 | W11 |
| T 12 | 21 44 13 | 24°24'20 | 18°11 | 19°19 | 17°30 | 13° 5 | 26°43 | 0°59 | 19°57 | 10°28 | 27°20 | 10°32 | 9°50 | 8° 9 | 13°26 | T 12 |
| F 13 | 21 48 9 | 25°22'24 | 1♉31 | 19°41 | 17°52 | 13°43 | 26°55 | 0°58 | 20° 0 | 10°31 | 27°19 | 10°30 | 9°47 | 8°16 | 13°34 | F 13 |
| S 14 | 21 52 6 | 26°20'30 | 15° 6 | 19°57 | 18°16 | 14°21 | 27° 7 | 0°58 | 20° 3 | 10°33 | 27°19 | 10°29 | 9°43 | 8°23 | 13°43 | S 14 |
| S 15 | 21 56 2 | 27°18'38 | 28°56 | 20° 9 | 18°41 | 14°59 | 27°19 | 0°57 | 20° 6 | 10°35 | 27°18 | 10°D29 | 9°40 | 8°29 | 13°51 | S 15 |
| M16 | 21 59 59 | 28°16'48 | 13♊ 2 | 20°R14 | 19° 8 | 15°37 | 27°31 | 0°56 | 20°10 | 10°37 | 27°18 | 10°30 | 9°37 | 8°36 | 14° 0 | M16 |
| T 17 | 22 3 56 | 29°15'00 | 27°22 | 20°14 | 19°37 | 16°16 | 27°43 | 0°55 | 20°13 | 10°39 | 27°17 | 10°31 | 9°34 | 8°43 | 14° 8 | T 17 |
| W18 | 22 7 52 | 0♍13'14 | 11♋53 | 20° 8 | 20° 7 | 16°54 | 27°56 | 0°54 | 20°16 | 10°41 | 27°17 | 10°32 | 9°31 | 8°49 | 14°16 | W18 |
| T 19 | 22 11 49 | 1°11'30 | 26°32 | 19°55 | 20°38 | 17°33 | 28° 8 | 0°53 | 20°19 | 10°44 | 27°16 | 10°33 | 9°28 | 8°56 | 14°25 | T 19 |
| F 20 | 22 15 45 | 2° 9'49 | 11♌12 | 19°36 | 21°11 | 18°12 | 28°20 | 0°52 | 20°22 | 10°46 | 27°16 | 10°R33 | 9°24 | 9° 3 | 14°33 | F 20 |
| S 21 | 22 19 42 | 3° 8'09 | 25°48 | 19°10 | 21°45 | 18°51 | 28°32 | 0°50 | 20°25 | 10°48 | 27°15 | 10°33 | 9°21 | 9° 9 | 14°42 | S 21 |
| S 22 | 22 23 38 | 4° 6'31 | 10♍14 | 18°38 | 22°21 | 19°31 | 28°45 | 0°49 | 20°27 | 10°50 | 27°14 | 10°31 | 9°18 | 9°16 | 14°50 | S 22 |
| M23 | 22 27 35 | 5° 4'54 | 24°24 | 17°59 | 22°58 | 20°10 | 28°57 | 0°47 | 20°30 | 10°53 | 27°14 | 10°28 | 9°15 | 9°23 | 14°59 | M23 |
| T 24 | 22 31 31 | 6° 3'20 | 8♎12 | 17°15 | 23°36 | 20°50 | 29°10 | 0°46 | 20°33 | 10°55 | 27°13 | 10°25 | 9°12 | 9°29 | 15° 7 | T 24 |
| W25 | 22 35 28 | 7° 1'47 | 21°38 | 16°25 | 24°15 | 21°29 | 29°22 | 0°44 | 20°36 | 10°57 | 27°13 | 10°21 | 9° 9 | 9°36 | 15°16 | W25 |
| T 26 | 22 39 25 | 8° 0'16 | 4♏40 | 15°30 | 24°55 | 22° 9 | 29°35 | 0°42 | 20°39 | 10°59 | 27°12 | 10°17 | 9° 5 | 9°43 | 15°24 | T 26 |
| F 27 | 22 43 21 | 8°58'47 | 17°20 | 14°31 | 25°37 | 22°49 | 29°47 | 0°40 | 20°42 | 11° 1 | 27°11 | 10°14 | 9° 2 | 9°49 | 15°33 | F 27 |
| S 28 | 22 47 18 | 9°57'19 | 29°40 | 13°29 | 26°19 | 23°29 | 29°59 | 0°38 | 20°44 | 11° 4 | 27°10 | 10°12 | 8°59 | 9°56 | 15°42 | S 28 |
| S 29 | 22 51 14 | 10°55'54 | 11♐46 | 12°26 | 27° 3 | 24°10 | 0♎12 | 0°36 | 20°47 | 11° 6 | 27°10 | 10°D12 | 8°56 | 10° 3 | 15°50 | S 29 |
| M30 | 22 55 11 | 11°54'30 | 23°42 | 11°23 | 27°47 | 24°50 | 0°25 | 0°33 | 20°50 | 11° 8 | 27° 9 | 10°12 | 8°53 | 10° 9 | 15°59 | M30 |
| T 31 | 22 59 7 | 12♍53'07 | 5♑32 | 10♍21 | 28♋33 | 25♏31 | 0♎38 | 0♉31 | 20♋52 | 11♍10 | 27♈ 8 | 10♒14 | 8♒49 | 10♑16 | 16♍ 7 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n46 | 25s45 | 4s52 | 5n58 | 1s36 | 15n42 | 6s58 | 15s 1 | 1s24 | 3n15 | 1n12 | 9n28 | 2s34 | 22n36 | 0n27 | 8n52 | 1n 8 | 4s50 | 16s30 | 17s40 | 17s43 | 26s13 | 3n21 | 4s 4 |
| M 2 | 16 29 | 27 5 | 4 21 | 5 26 | 1 46 | 15 46 | 6 54 | 15 13 | 1 25 | 3 10 | 1 12 | 9 28 | 2 34 | 22 36 | 0 28 | 8 51 | 1 8 | 4 50 | 16 31 | 17 40 | 17 44 | 26 12 | 3 19 | 4 4 |
| T 3 | 16 12 | 27 10 | 3 38 | 4 54 | 1 57 | 15 50 | 6 50 | 15 26 | 1 25 | 3 6 | 1 11 | 9 27 | 2 35 | 22 35 | 0 28 | 8 50 | 1 8 | 4 51 | 16 31 | 17 40 | 17 45 | 26 11 | 3 16 | 4 3 |
| W 4 | 15 55 | 26 0 | 2 46 | 4 23 | 2 7 | 15 54 | 6 46 | 15 38 | 1 26 | 3 1 | 1 11 | 9 27 | 2 35 | 22 35 | 0 28 | 8 50 | 1 8 | 4 51 | 16 31 | 17 40 | 17 45 | 26 9 | 3 13 | 4 3 |
| T 5 | 15 37 | 23 40 | 1 47 | 3 53 | 2 17 | 15 59 | 6 41 | 15 51 | 1 26 | 2 57 | 1 11 | 9 27 | 2 35 | 22 35 | 0 28 | 8 49 | 1 8 | 4 51 | 16 32 | 17 39 | 17 46 | 26 8 | 3 11 | 4 3 |
| F 6 | 15 19 | 20 17 | 0 43 | 3 25 | 2 27 | 16 3 | 6 35 | 16 3 | 1 27 | 2 52 | 1 11 | 9 27 | 2 35 | 22 34 | 0 28 | 8 48 | 1 8 | 4 52 | 16 32 | 17 39 | 17 47 | 26 7 | 3 8 | 4 2 |
| S 7 | 15 1 | 16 2 | 0n24 | 2 58 | 2 37 | 16 7 | 6 30 | 16 15 | 1 28 | 2 47 | 1 11 | 9 27 | 2 36 | 22 34 | 0 28 | 8 47 | 1 8 | 4 52 | 16 32 | 17 39 | 17 48 | 26 6 | 3 5 | 4 2 |
| S 8 | 14 43 | 11 4 | 1 31 | 2 32 | 2 47 | 16 11 | 6 24 | 16 28 | 1 28 | 2 42 | 1 11 | 9 27 | 2 36 | 22 33 | 0 28 | 8 46 | 1 8 | 4 53 | 16 33 | 17 39 | 17 49 | 26 5 | 3 2 | 4 1 |
| M 9 | 14 24 | 5 37 | 2 34 | 2 8 | 2 57 | 16 16 | 6 18 | 16 40 | 1 29 | 2 38 | 1 11 | 9 26 | 2 36 | 22 33 | 0 28 | 8 46 | 1 8 | 4 53 | 16 33 | 17 40 | 17 50 | 26 4 | 2 59 | 4 1 |
| T 10 | 14 5 | 0n 9 | 3 31 | 1 45 | 3 7 | 16 20 | 6 12 | 16 52 | 1 29 | 2 33 | 1 11 | 9 26 | 2 36 | 22 32 | 0 28 | 8 45 | 1 8 | 4 53 | 16 33 | 17 40 | 17 51 | 26 3 | 2 57 | 4 1 |
| W11 | 13 46 | 5 59 | 4 18 | 1 25 | 3 16 | 16 24 | 6 6 | 17 4 | 1 30 | 2 28 | 1 11 | 9 26 | 2 37 | 22 32 | 0 28 | 8 44 | 1 8 | 4 54 | 16 33 | 17 40 | 17 51 | 26 1 | 2 54 | 4 0 |
| T 12 | 13 27 | 11 40 | 4 52 | 1 6 | 3 25 | 16 28 | 5 59 | 17 16 | 1 30 | 2 23 | 1 10 | 9 25 | 2 37 | 22 31 | 0 28 | 8 43 | 1 8 | 4 54 | 16 34 | 17 41 | 17 52 | 26 0 | 2 51 | 4 0 |
| F 13 | 13 8 | 16 56 | 5 12 | 0 50 | 3 33 | 16 32 | 5 52 | 17 28 | 1 31 | 2 18 | 1 10 | 9 25 | 2 37 | 22 31 | 0 28 | 8 42 | 1 8 | 4 55 | 16 34 | 17 41 | 17 53 | 25 59 | 2 48 | 4 0 |
| S 14 | 12 48 | 21 27 | 5 15 | 0 36 | 3 41 | 16 36 | 5 46 | 17 40 | 1 31 | 2 13 | 1 10 | 9 24 | 2 37 | 22 30 | 0 28 | 8 41 | 1 8 | 4 55 | 16 34 | 17 42 | 17 54 | 25 58 | 2 45 | 3 59 |
| S 15 | 12 28 | 24 53 | 5 0 | 0 25 | 3 49 | 16 39 | 5 39 | 17 52 | 1 31 | 2 9 | 1 10 | 9 24 | 2 38 | 22 30 | 0 28 | 8 41 | 1 8 | 4 55 | 16 35 | 17 42 | 17 55 | 25 57 | 2 42 | 3 59 |
| M16 | 12 8 | 26 53 | 4 27 | 0 17 | 3 55 | 16 42 | 5 32 | 18 4 | 1 32 | 2 4 | 1 10 | 9 23 | 2 38 | 22 30 | 0 28 | 8 40 | 1 8 | 4 56 | 16 35 | 17 42 | 17 56 | 25 56 | 2 39 | 3 59 |
| T 17 | 11 47 | 27 8 | 3 36 | 0 11 | 4 1 | 16 46 | 5 25 | 18 15 | 1 32 | 1 59 | 1 10 | 9 23 | 2 38 | 22 29 | 0 28 | 8 39 | 1 8 | 4 56 | 16 35 | 17 41 | 17 57 | 25 54 | 2 36 | 3 59 |
| W18 | 11 27 | 25 32 | 2 32 | 0 9 | 4 7 | 16 48 | 5 17 | 18 27 | 1 33 | 1 54 | 1 10 | 9 22 | 2 38 | 22 29 | 0 28 | 8 38 | 1 8 | 4 57 | 16 35 | 17 41 | 17 57 | 25 53 | 2 33 | 3 58 |
| T 19 | 11 6 | 22 12 | 1 17 | 0 10 | 4 11 | 16 51 | 5 10 | 18 38 | 1 33 | 1 49 | 1 10 | 9 22 | 2 39 | 22 28 | 0 28 | 8 37 | 1 8 | 4 57 | 16 36 | 17 41 | 17 58 | 25 52 | 2 30 | 3 58 |
| F 20 | 10 45 | 17 27 | 0s 4 | 0 15 | 4 13 | 16 53 | 5 3 | 18 50 | 1 33 | 1 44 | 1 10 | 9 21 | 2 39 | 22 28 | 0 28 | 8 36 | 1 8 | 4 58 | 16 36 | 17 41 | 17 59 | 25 51 | 2 27 | 3 58 |
| S 21 | 10 24 | 11 41 | 1 23 | 0 24 | 4 15 | 16 55 | 4 55 | 19 1 | 1 34 | 1 39 | 1 10 | 9 20 | 2 39 | 22 27 | 0 28 | 8 36 | 1 8 | 4 58 | 16 36 | 17 41 | 18 0 | 25 49 | 2 24 | 3 57 |
| S 22 | 10 3 | 5 21 | 2 36 | 0 37 | 4 15 | 16 57 | 4 48 | 19 12 | 1 34 | 1 34 | 1 10 | 9 20 | 2 39 | 22 27 | 0 28 | 8 35 | 1 8 | 4 58 | 16 37 | 17 41 | 18 1 | 25 48 | 2 21 | 3 57 |
| M23 | 9 42 | 1s 6 | 3 38 | 0 53 | 4 13 | 16 59 | 4 41 | 19 23 | 1 35 | 1 29 | 1 10 | 9 19 | 2 40 | 22 27 | 0 28 | 8 34 | 1 8 | 4 59 | 16 37 | 17 42 | 18 2 | 25 47 | 2 18 | 3 57 |
| T 24 | 9 20 | 7 20 | 4 26 | 1 13 | 4 10 | 17 0 | 4 33 | 19 34 | 1 35 | 1 24 | 1 10 | 9 18 | 2 40 | 22 26 | 0 28 | 8 33 | 1 8 | 4 59 | 16 37 | 17 43 | 18 3 | 25 46 | 2 15 | 3 57 |
| W25 | 8 58 | 13 3 | 4 57 | 1 38 | 4 5 | 17 0 | 4 26 | 19 45 | 1 35 | 1 19 | 1 9 | 9 17 | 2 40 | 22 26 | 0 28 | 8 32 | 1 8 | 5 0 | 16 37 | 17 44 | 18 3 | 25 44 | 2 12 | 3 56 |
| T 26 | 8 36 | 18 2 | 5 12 | 2 5 | 3 58 | 17 1 | 4 18 | 19 56 | 1 36 | 1 14 | 1 9 | 9 16 | 2 40 | 22 25 | 0 28 | 8 31 | 1 8 | 5 0 | 16 38 | 17 45 | 18 4 | 25 43 | 2 9 | 3 56 |
| F 27 | 8 15 | 22 3 | 5 11 | 2 36 | 3 49 | 17 1 | 4 11 | 20 7 | 1 36 | 1 9 | 1 9 | 9 15 | 2 40 | 22 25 | 0 28 | 8 31 | 1 8 | 5 1 | 16 38 | 17 46 | 18 5 | 25 42 | 2 6 | 3 56 |
| S 28 | 7 52 | 24 59 | 4 56 | 3 10 | 3 38 | 17 0 | 4 3 | 20 17 | 1 36 | 1 4 | 1 9 | 9 14 | 2 41 | 22 25 | 0 28 | 8 30 | 1 8 | 5 1 | 16 38 | 17 46 | 18 6 | 25 41 | 2 3 | 3 56 |
| S 29 | 7 30 | 26 43 | 4 27 | 3 46 | 3 25 | 17 0 | 3 56 | 20 28 | 1 36 | 0 59 | 1 9 | 9 13 | 2 41 | 22 24 | 0 28 | 8 29 | 1 8 | 5 2 | 16 38 | 17 47 | 18 7 | 25 39 | 2 0 | 3 55 |
| M30 | 7 8 | 27 12 | 3 48 | 4 24 | 3 11 | 16 58 | 3 48 | 20 38 | 1 37 | 0 53 | 1 9 | 9 12 | 2 41 | 22 24 | 0 28 | 8 28 | 1 8 | 5 2 | 16 38 | 17 46 | 18 8 | 25 38 | 1 57 | 3 55 |
| T 31 | 6n45 | 26s25 | 2s59 | 5n 2 | 2s54 | 16n57 | 3s41 | 20s48 | 1s37 | 0n48 | 1n 9 | 9n11 | 2s41 | 22n23 | 0n28 | 8n27 | 1n 8 | 5s 3 | 16s39 | 17s46 | 18s 8 | 25s37 | 1n54 | 3s55 |

Julian Day Number = 2128523.5, Delta T = 16m54s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'37, Lahiri = 11°31'38 Julian Calendar 1 Aug. 1115 == Greg. Calendar 8 Aug. 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## SEPTEMBER 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 3 4 | 13♍51'47 | 17♉21 | 9°R23 | 29♋19 | 26♏11 | 0♎50 | 0°R29 | 20♋55 | 11♍13 | 27°R 7 | 10♒15 | 8♒46 | 10♉23 | 16♍16 | W 1 |
| T 2 | 23 7 0 | 14°50'28 | 29°15 | 8♍28 | 0♌ 6 | 26°52 | 1° 3 | 0♉26 | 20°57 | 11°15 | 27♈ 7 | 10°17 | 8°43 | 10°29 | 16°25 | T 2 |
| F 3 | 23 10 57 | 15°49'11 | 11♒17 | 7°40 | 0°54 | 27°33 | 1°16 | 0°23 | 21° 0 | 11°17 | 27° 6 | 10°R17 | 8°40 | 10°36 | 16°33 | F 3 |
| S 4 | 23 14 54 | 16°47'56 | 23°31 | 6°59 | 1°43 | 28°14 | 1°29 | 0°21 | 21° 2 | 11°19 | 27° 5 | 10°17 | 8°37 | 10°43 | 16°42 | S 4 |
| S 5 | 23 18 50 | 17°46'42 | 5♓59 | 6°26 | 2°33 | 28°55 | 1°41 | 0°18 | 21° 5 | 11°22 | 27° 4 | 10°14 | 8°34 | 10°49 | 16°50 | S 5 |
| M 6 | 23 22 47 | 18°45'31 | 18°42 | 6° 2 | 3°23 | 29°36 | 1°54 | 0°15 | 21° 7 | 11°24 | 27° 3 | 10° 9 | 8°30 | 10°56 | 16°59 | M 6 |
| T 7 | 23 26 43 | 19°44'22 | 1♈40 | 5°47 | 4°14 | 0♗18 | 2° 7 | 0°12 | 21° 9 | 11°26 | 27° 3 | 10° 4 | 8°27 | 11° 3 | 17° 8 | T 7 |
| W 8 | 23 30 40 | 20°43'14 | 14°54 | 5°D43 | 5° 6 | 0°59 | 2°20 | 0° 9 | 21°11 | 11°28 | 27° 2 | 9°57 | 8°24 | 11° 9 | 17°16 | W 8 |
| T 9 | 23 34 36 | 21°42'09 | 28°21 | 5°49 | 5°58 | 1°41 | 2°33 | 0° 6 | 21°14 | 11°30 | 27° 1 | 9°50 | 8°21 | 11°16 | 17°25 | T 9 |
| F 10 | 23 38 33 | 22°41'07 | 12♉ 0 | 6° 6 | 6°52 | 2°23 | 2°46 | 0° 2 | 21°16 | 11°33 | 27° 0 | 9°44 | 8°18 | 11°23 | 17°34 | F 10 |
| S 11 | 23 42 29 | 23°40'06 | 25°48 | 6°32 | 7°45 | 3° 4 | 2°59 | 29♈59 | 21°18 | 11°35 | 26°59 | 9°39 | 8°15 | 11°29 | 17°42 | S 11 |
| S 12 | 23 46 26 | 24°39'08 | 9♊45 | 7° 7 | 8°40 | 3°46 | 3°12 | 29°55 | 21°20 | 11°37 | 26°58 | 9°36 | 8°11 | 11°36 | 17°51 | S 12 |
| M13 | 23 50 22 | 25°38'13 | 23°48 | 7°52 | 9°35 | 4°28 | 3°25 | 29°52 | 21°22 | 11°39 | 26°57 | 9°D35 | 8° 8 | 11°43 | 17°59 | M13 |
| T 14 | 23 54 19 | 26°37'19 | 7♋56 | 8°44 | 10°31 | 5°11 | 3°38 | 29°48 | 21°24 | 11°41 | 26°56 | 9°35 | 8° 5 | 11°49 | 18° 8 | T 14 |
| W15 | 23 58 16 | 27°36'29 | 22° 9 | 9°45 | 11°27 | 5°53 | 3°51 | 29°45 | 21°26 | 11°43 | 26°55 | 9°36 | 8° 2 | 11°56 | 18°17 | W15 |
| T 16 | 0 2 12 | 28°35'40 | 6♌23 | 10°52 | 12°24 | 6°35 | 4° 4 | 29°41 | 21°28 | 11°46 | 26°54 | 9°R37 | 7°59 | 12° 3 | 18°25 | T 16 |
| F 17 | 0 6 9 | 29°34'54 | 20°37 | 12° 5 | 13°21 | 7°18 | 4°17 | 29°37 | 21°30 | 11°48 | 26°53 | 9°37 | 7°55 | 12° 9 | 18°34 | F 17 |
| S 18 | 0 10 5 | 0♎34'10 | 4♍48 | 13°24 | 14°19 | 8° 0 | 4°30 | 29°33 | 21°32 | 11°50 | 26°52 | 9°34 | 7°52 | 12°16 | 18°42 | S 18 |
| S 19 | 0 14 2 | 1°33'28 | 18°51 | 14°47 | 15°17 | 8°43 | 4°43 | 29°29 | 21°34 | 11°52 | 26°51 | 9°29 | 7°49 | 12°23 | 18°51 | S 19 |
| M20 | 0 17 58 | 2°32'49 | 2♎43 | 16°15 | 16°16 | 9°26 | 4°56 | 29°25 | 21°35 | 11°54 | 26°50 | 9°22 | 7°46 | 12°29 | 18°59 | M20 |
| T 21 | 0 21 55 | 3°32'11 | 16°20 | 17°46 | 17°15 | 10° 9 | 5° 9 | 29°21 | 21°37 | 11°56 | 26°49 | 9°13 | 7°43 | 12°36 | 19° 8 | T 21 |
| W22 | 0 25 51 | 4°31'36 | 29°38 | 19°19 | 18°15 | 10°52 | 5°22 | 29°17 | 21°39 | 11°58 | 26°48 | 9° 3 | 7°40 | 12°43 | 19°16 | W22 |
| T 23 | 0 29 48 | 5°31'03 | 12♏36 | 20°56 | 19°15 | 11°35 | 5°35 | 29°13 | 21°40 | 12° 1 | 26°47 | 8°53 | 7°36 | 12°49 | 19°25 | T 23 |
| F 24 | 0 33 45 | 6°30'31 | 25°14 | 22°34 | 20°15 | 12°18 | 5°48 | 29° 9 | 21°42 | 12° 3 | 26°46 | 8°45 | 7°33 | 12°56 | 19°33 | F 24 |
| S 25 | 0 37 41 | 7°30'01 | 7♐35 | 24°13 | 21°16 | 13° 1 | 6° 1 | 29° 4 | 21°43 | 12° 5 | 26°45 | 8°38 | 7°30 | 13° 3 | 19°41 | S 25 |
| S 26 | 0 41 38 | 8°29'34 | 19°40 | 25°54 | 22°17 | 13°45 | 6°14 | 29° 0 | 21°45 | 12° 7 | 26°44 | 8°34 | 7°27 | 13° 9 | 19°50 | S 26 |
| M27 | 0 45 34 | 9°29'08 | 1♑35 | 27°36 | 23°19 | 14°28 | 6°27 | 28°56 | 21°46 | 12° 9 | 26°43 | 8°32 | 7°24 | 13°16 | 19°58 | M27 |
| T 28 | 0 49 31 | 10°28'44 | 13°25 | 29°18 | 24°21 | 15°12 | 6°40 | 28°51 | 21°48 | 12°11 | 26°42 | 8°D32 | 7°21 | 13°23 | 20° 7 | T 28 |
| W29 | 0 53 27 | 11°28'22 | 25°14 | 1♎ 0 | 25°23 | 15°56 | 6°53 | 28°47 | 21°49 | 12°13 | 26°41 | 8°32 | 7°17 | 13°29 | 20°15 | W29 |
| T 30 | 0 57 24 | 12♎28'01 | 7♒ 9 | 2♎43 | 26♌26 | 16♗39 | 7♎ 6 | 28♈42 | 21♋50 | 12♍15 | 26♈40 | 8°R33 | 7♒14 | 13♉36 | 20♍23 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n23 | 24s26 | 2s 2 | 5n40 | 2s37 | 16n55 | 3s33 | 20s58 | 1s37 | 0n43 | 1n 9 | 9n10 | 2s42 | 22n23 | 0n28 | 8n26 | 1n 8 | 5s 3 | 16s39 | 17s45 | 18s 9 | 25s36 | 1n50 | 3s55 |
| T 2 | 6 0 | 21 23 | 1 0 | 6 18 | 2 18 | 16 52 | 3 26 | 21 8 | 1 37 | 0 38 | 1 9 | 9 9 | 2 42 | 22 23 | 0 28 | 8 26 | 1 8 | 5 4 | 16 39 | 17 45 | 18 10 | 25 34 | 1 47 | 3 54 |
| F 3 | 5 37 | 17 23 | 0n 5 | 6 54 | 1 59 | 16 49 | 3 19 | 21 18 | 1 38 | 0 33 | 1 9 | 9 8 | 2 42 | 22 22 | 0 28 | 8 25 | 1 8 | 5 4 | 16 39 | 17 45 | 18 11 | 25 33 | 1 44 | 3 54 |
| S 4 | 5 14 | 12 37 | 1 12 | 7 28 | 1 39 | 16 46 | 3 11 | 21 27 | 1 38 | 0 28 | 1 9 | 9 7 | 2 42 | 22 22 | 0 28 | 8 24 | 1 8 | 5 5 | 16 40 | 17 45 | 18 12 | 25 32 | 1 41 | 3 54 |
| S 5 | 4 51 | 7 16 | 2 15 | 7 59 | 1 19 | 16 42 | 3 4 | 21 37 | 1 38 | 0 23 | 1 9 | 9 6 | 2 42 | 22 22 | 0 28 | 8 23 | 1 8 | 5 5 | 16 40 | 17 46 | 18 13 | 25 30 | 1 38 | 3 54 |
| M 6 | 4 28 | 1 32 | 3 14 | 8 26 | 0 59 | 16 38 | 2 57 | 21 46 | 1 38 | 0 17 | 1 9 | 9 5 | 2 43 | 22 21 | 0 28 | 8 22 | 1 8 | 5 5 | 16 40 | 17 47 | 18 13 | 25 29 | 1 35 | 3 54 |
| T 7 | 4 5 | 4n23 | 4 3 | 8 49 | 0 40 | 16 33 | 2 49 | 21 55 | 1 38 | 0 12 | 1 9 | 9 3 | 2 43 | 22 21 | 0 28 | 8 21 | 1 8 | 5 6 | 16 40 | 17 49 | 18 14 | 25 28 | 1 31 | 3 53 |
| W 8 | 3 42 | 10 12 | 4 40 | 9 8 | 0 21 | 16 28 | 2 42 | 22 4 | 1 39 | 0 7 | 1 9 | 9 2 | 2 43 | 22 21 | 0 28 | 8 20 | 1 8 | 5 6 | 16 40 | 17 50 | 18 15 | 25 26 | 1 28 | 3 53 |
| T 9 | 3 18 | 15 39 | 5 3 | 9 22 | 0 3 | 16 22 | 2 35 | 22 13 | 1 39 | 0 2 | 1 9 | 9 1 | 2 43 | 22 20 | 0 28 | 8 20 | 1 8 | 5 7 | 16 41 | 17 52 | 18 16 | 25 25 | 1 25 | 3 53 |
| F 10 | 2 55 | 20 24 | 5 9 | 9 32 | 0n14 | 16 16 | 2 28 | 22 21 | 1 39 | 0s 3 | 1 9 | 9 0 | 2 43 | 22 20 | 0 28 | 8 19 | 1 8 | 5 7 | 16 41 | 17 54 | 18 17 | 25 23 | 1 22 | 3 53 |
| S 11 | 2 32 | 24 6 | 4 57 | 9 37 | 0 29 | 16 9 | 2 21 | 22 30 | 1 39 | 0 8 | 1 9 | 8 58 | 2 43 | 22 20 | 0 28 | 8 18 | 1 8 | 5 8 | 16 41 | 17 55 | 18 18 | 25 22 | 1 19 | 3 53 |
| S 12 | 2 8 | 26 26 | 4 28 | 9 37 | 0 44 | 16 2 | 2 14 | 22 38 | 1 39 | 0 14 | 1 9 | 8 57 | 2 44 | 22 19 | 0 29 | 8 17 | 1 8 | 5 8 | 16 41 | 17 56 | 18 18 | 25 21 | 1 15 | 3 53 |
| M13 | 1 45 | 27 6 | 3 42 | 9 32 | 0 57 | 15 54 | 2 7 | 22 46 | 1 39 | 0 19 | 1 9 | 8 55 | 2 44 | 22 19 | 0 29 | 8 16 | 1 8 | 5 9 | 16 41 | 17 56 | 18 19 | 25 19 | 1 12 | 3 52 |
| T 14 | 1 21 | 26 1 | 2 43 | 9 23 | 1 9 | 15 46 | 2 0 | 22 54 | 1 39 | 0 24 | 1 9 | 8 54 | 2 44 | 22 19 | 0 29 | 8 16 | 1 8 | 5 9 | 16 41 | 17 56 | 18 20 | 25 18 | 1 9 | 3 52 |
| W15 | 0 57 | 23 15 | 1 33 | 9 10 | 1 19 | 15 37 | 1 53 | 23 1 | 1 39 | 0 29 | 1 9 | 8 53 | 2 44 | 22 19 | 0 29 | 8 15 | 1 8 | 5 10 | 16 42 | 17 56 | 18 21 | 25 17 | 1 6 | 3 52 |
| T 16 | 0 34 | 19 3 | 0 17 | 8 53 | 1 28 | 15 28 | 1 47 | 23 9 | 1 39 | 0 34 | 1 9 | 8 51 | 2 44 | 22 18 | 0 29 | 8 14 | 1 8 | 5 10 | 16 42 | 17 56 | 18 22 | 25 15 | 1 3 | 3 52 |
| F 17 | 0 10 | 13 45 | 0s59 | 8 32 | 1 36 | 15 18 | 1 40 | 23 16 | 1 40 | 0 40 | 1 9 | 8 50 | 2 44 | 22 18 | 0 29 | 8 13 | 1 8 | 5 11 | 16 42 | 17 56 | 18 23 | 25 14 | 0 59 | 3 52 |
| S 18 | 0s14 | 7 46 | 2 11 | 8 8 | 1 42 | 15 8 | 1 33 | 23 23 | 1 40 | 0 45 | 1 8 | 8 48 | 2 45 | 22 18 | 0 29 | 8 12 | 1 8 | 5 11 | 16 42 | 17 57 | 18 23 | 25 12 | 0 56 | 3 52 |
| S 19 | 0 37 | 1 27 | 3 15 | 7 40 | 1 47 | 14 57 | 1 27 | 23 30 | 1 40 | 0 50 | 1 8 | 8 47 | 2 45 | 22 18 | 0 29 | 8 12 | 1 8 | 5 12 | 16 42 | 17 58 | 18 24 | 25 11 | 0 53 | 3 52 |
| M20 | 1 1 | 4s50 | 4 6 | 7 10 | 1 51 | 14 46 | 1 21 | 23 37 | 1 40 | 0 55 | 1 8 | 8 45 | 2 45 | 22 17 | 0 29 | 8 11 | 1 8 | 5 12 | 16 42 | 18 0 | 18 25 | 25 9 | 0 50 | 3 52 |
| T 21 | 1 25 | 10 47 | 4 42 | 6 37 | 1 54 | 14 34 | 1 14 | 23 43 | 1 40 | 1 0 | 1 8 | 8 44 | 2 45 | 22 17 | 0 29 | 8 10 | 1 8 | 5 13 | 16 42 | 18 2 | 18 26 | 25 8 | 0 46 | 3 52 |
| W22 | 1 48 | 16 5 | 5 1 | 6 2 | 1 56 | 14 22 | 1 8 | 23 50 | 1 40 | 1 6 | 1 8 | 8 42 | 2 45 | 22 17 | 0 29 | 8 9 | 1 8 | 5 13 | 16 43 | 18 5 | 18 27 | 25 7 | 0 43 | 3 51 |
| T 23 | 2 12 | 20 31 | 5 5 | 5 25 | 1 58 | 14 9 | 1 2 | 23 56 | 1 40 | 1 11 | 1 8 | 8 40 | 2 45 | 22 17 | 0 29 | 8 8 | 1 8 | 5 14 | 16 43 | 18 7 | 18 27 | 25 5 | 0 40 | 3 51 |
| F 24 | 2 36 | 23 54 | 4 53 | 4 46 | 1 58 | 13 56 | 0 56 | 24 2 | 1 40 | 1 16 | 1 8 | 8 39 | 2 45 | 22 16 | 0 29 | 8 8 | 1 8 | 5 14 | 16 43 | 18 10 | 18 28 | 25 4 | 0 37 | 3 51 |
| S 25 | 2 59 | 26 5 | 4 28 | 4 6 | 1 57 | 13 42 | 0 50 | 24 7 | 1 40 | 1 21 | 1 8 | 8 37 | 2 45 | 22 16 | 0 29 | 8 7 | 1 8 | 5 14 | 16 43 | 18 11 | 18 29 | 25 2 | 0 34 | 3 51 |
| S 26 | 3 23 | 26 59 | 3 51 | 3 25 | 1 56 | 13 28 | 0 44 | 24 13 | 1 40 | 1 26 | 1 8 | 8 36 | 2 45 | 22 16 | 0 29 | 8 6 | 1 8 | 5 15 | 16 43 | 18 12 | 18 30 | 25 1 | 0 30 | 3 51 |
| M27 | 3 47 | 26 37 | 3 4 | 2 42 | 1 54 | 13 13 | 0 38 | 24 18 | 1 40 | 1 32 | 1 8 | 8 34 | 2 46 | 22 16 | 0 29 | 8 5 | 1 8 | 5 15 | 16 43 | 18 13 | 18 31 | 24 59 | 0 27 | 3 51 |
| T 28 | 4 10 | 25 2 | 2 10 | 1 59 | 1 52 | 12 58 | 0 32 | 24 23 | 1 40 | 1 37 | 1 8 | 8 32 | 2 46 | 22 16 | 0 29 | 8 5 | 1 8 | 5 16 | 16 43 | 18 13 | 18 32 | 24 58 | 0 24 | 3 51 |
| W29 | 4 34 | 22 21 | 1 11 | 1 16 | 1 49 | 12 42 | 0 26 | 24 27 | 1 40 | 1 42 | 1 8 | 8 31 | 2 46 | 22 15 | 0 29 | 8 4 | 1 8 | 5 16 | 16 43 | 18 13 | 18 32 | 24 56 | 0 21 | 3 51 |
| T 30 | 4s57 | 18s42 | 0s 8 | 0n31 | 1n45 | 12n26 | 0s21 | 24s32 | 1s39 | 1s47 | 1n 8 | 8n29 | 2s46 | 22n15 | 0n29 | 8n 3 | 1n 8 | 5s17 | 16s43 | 18s13 | 18s33 | 24s55 | 0n18 | 3s51 |

Julian Day Number = 2128554.5, Delta T = 16m54s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'42, Lahiri = 11°31'42 Julian Calendar 1 Sept. 1115 == Greg. Calendar 8 Sept. 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## OCTOBER 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 1 20 | 13♎27'42 | 19♒13 | 4♎26 | 27♌29 | 17♐23 | 7♎19 | 28°R37 | 21♋51 | 12♍17 | 26°R39 | 8°R32 | 7♒11 | 13♑42 | 20♍31 | F 1 |
| S 2 | 1 5 17 | 14°27'25 | 1♓33 | 6° 9 | 28°33 | 18° 7 | 7°32 | 28♈33 | 21°52 | 12°19 | 26♈38 | 8♒30 | 7° 8 | 13°49 | 20°40 | S 2 |
| S 3 | 1 9 14 | 15°27'10 | 14°11 | 7°52 | 29°37 | 18°51 | 7°45 | 28°28 | 21°53 | 12°21 | 26°36 | 8°25 | 7° 5 | 13°56 | 20°48 | S 3 |
| M 4 | 1 13 10 | 16°26'57 | 27° 9 | 9°34 | 0♍41 | 19°35 | 7°58 | 28°24 | 21°55 | 12°23 | 26°35 | 8°17 | 7° 1 | 14° 2 | 20°56 | M 4 |
| T 5 | 1 17 7 | 17°26'45 | 10♈28 | 11°16 | 1°45 | 20°19 | 8°11 | 28°19 | 21°56 | 12°24 | 26°34 | 8° 7 | 6°58 | 14° 9 | 21° 4 | T 5 |
| W 6 | 1 21 3 | 18°26'36 | 24° 7 | 12°58 | 2°50 | 21° 3 | 8°24 | 28°14 | 21°56 | 12°26 | 26°33 | 7°56 | 6°55 | 14°16 | 21°12 | W 6 |
| T 7 | 1 25 0 | 19°26'28 | 8♉ 1 | 14°39 | 3°55 | 21°48 | 8°37 | 28° 9 | 21°57 | 12°28 | 26°32 | 7°44 | 6°52 | 14°22 | 21°20 | T 7 |
| F 8 | 1 28 56 | 20°26'23 | 22° 7 | 16°20 | 5° 0 | 22°32 | 8°50 | 28° 4 | 21°58 | 12°30 | 26°31 | 7°34 | 6°49 | 14°29 | 21°28 | F 8 |
| S 9 | 1 32 53 | 21°26'20 | 6♊19 | 18° 0 | 6° 6 | 23°16 | 9° 3 | 28° 0 | 21°59 | 12°32 | 26°30 | 7°25 | 6°46 | 14°36 | 21°36 | S 9 |
| S 10 | 1 36 49 | 22°26'19 | 20°34 | 19°40 | 7°11 | 24° 1 | 9°16 | 27°55 | 22° 0 | 12°34 | 26°29 | 7°19 | 6°42 | 14°42 | 21°44 | S 10 |
| M11 | 1 40 46 | 23°26'20 | 4♋47 | 21°20 | 8°17 | 24°45 | 9°29 | 27°50 | 22° 0 | 12°36 | 26°27 | 7°15 | 6°39 | 14°49 | 21°52 | M11 |
| T 12 | 1 44 43 | 24°26'24 | 18°56 | 22°59 | 9°24 | 25°30 | 9°42 | 27°45 | 22° 1 | 12°37 | 26°26 | 7°14 | 6°36 | 14°56 | 22° 0 | T 12 |
| W13 | 1 48 39 | 25°26'30 | 3♌ 0 | 24°37 | 10°30 | 26°15 | 9°55 | 27°40 | 22° 1 | 12°39 | 26°25 | 7°14 | 6°33 | 15° 2 | 22° 8 | W13 |
| T 14 | 1 52 36 | 26°26'38 | 16°59 | 26°16 | 11°37 | 27° 0 | 10° 7 | 27°35 | 22° 2 | 12°41 | 26°24 | 7°14 | 6°30 | 15° 9 | 22°15 | T 14 |
| F 15 | 1 56 32 | 27°26'48 | 0♍51 | 27°53 | 12°44 | 27°44 | 10°20 | 27°31 | 22° 2 | 12°43 | 26°23 | 7°12 | 6°26 | 15°16 | 22°23 | F 15 |
| S 16 | 2 0 29 | 28°27'00 | 14°36 | 29°30 | 13°52 | 28°29 | 10°33 | 27°26 | 22° 3 | 12°44 | 26°22 | 7° 8 | 6°23 | 15°22 | 22°31 | S 16 |
| S 17 | 2 4 25 | 29°27'14 | 28°13 | 1♏ 7 | 14°59 | 29°14 | 10°46 | 27°21 | 22° 3 | 12°46 | 26°21 | 7° 1 | 6°20 | 15°29 | 22°38 | S 17 |
| M18 | 2 8 22 | 0♏27'30 | 11♎41 | 2°44 | 16° 7 | 29°59 | 10°58 | 27°16 | 22° 3 | 12°48 | 26°20 | 6°51 | 6°17 | 15°36 | 22°46 | M18 |
| T 19 | 2 12 18 | 1°27'48 | 24°56 | 4°20 | 17°15 | 0♑44 | 11°11 | 27°11 | 22° 4 | 12°49 | 26°18 | 6°38 | 6°14 | 15°42 | 22°54 | T 19 |
| W20 | 2 16 15 | 2°28'08 | 7♏58 | 5°55 | 18°23 | 1°30 | 11°24 | 27° 6 | 22° 4 | 12°51 | 26°17 | 6°24 | 6°11 | 15°49 | 23° 1 | W20 |
| T 21 | 2 20 11 | 3°28'30 | 20°44 | 7°30 | 19°31 | 2°15 | 11°36 | 27° 1 | 22° 4 | 12°52 | 26°16 | 6°11 | 6° 7 | 15°56 | 23° 8 | T 21 |
| F 22 | 2 24 8 | 4°28'53 | 3♐15 | 9° 5 | 20°40 | 3° 0 | 11°49 | 26°57 | 22°R 4 | 12°54 | 26°15 | 5°58 | 6° 4 | 16° 2 | 23°16 | F 22 |
| S 23 | 2 28 5 | 5°29'18 | 15°30 | 10°40 | 21°49 | 3°45 | 12° 1 | 26°52 | 22° 4 | 12°55 | 26°14 | 5°48 | 6° 1 | 16° 9 | 23°23 | S 23 |
| S 24 | 2 32 1 | 6°29'45 | 27°33 | 12°14 | 22°58 | 4°31 | 12°14 | 26°47 | 22° 4 | 12°57 | 26°13 | 5°41 | 5°58 | 16°16 | 23°30 | S 24 |
| M25 | 2 35 58 | 7°30'13 | 9♑26 | 13°48 | 24° 7 | 5°16 | 12°26 | 26°42 | 22° 4 | 12°58 | 26°12 | 5°36 | 5°55 | 16°22 | 23°38 | M25 |
| T 26 | 2 39 54 | 8°30'42 | 21°14 | 15°22 | 25°16 | 6° 2 | 12°39 | 26°37 | 22° 4 | 13° 0 | 26°11 | 5°34 | 5°52 | 16°29 | 23°45 | T 26 |
| W27 | 2 43 51 | 9°31'13 | 3♒ 2 | 16°55 | 26°25 | 6°47 | 12°51 | 26°33 | 22° 3 | 13° 1 | 26°10 | 5°34 | 5°48 | 16°36 | 23°52 | W27 |
| T 28 | 2 47 47 | 10°31'45 | 14°55 | 18°28 | 27°35 | 7°33 | 13° 3 | 26°28 | 22° 3 | 13° 3 | 26° 8 | 5°34 | 5°45 | 16°42 | 23°59 | T 28 |
| F 29 | 2 51 44 | 11°32'18 | 26°58 | 20° 1 | 28°45 | 8°18 | 13°16 | 26°24 | 22° 3 | 13° 4 | 26° 7 | 5°33 | 5°42 | 16°49 | 24° 6 | F 29 |
| S 30 | 2 55 41 | 12°32'53 | 9♓18 | 21°34 | 29°55 | 9° 4 | 13°28 | 26°19 | 22° 2 | 13° 5 | 26° 6 | 5°31 | 5°39 | 16°55 | 24°13 | S 30 |
| S 31 | 2 59 37 | 13♏33'29 | 21♓59 | 23♏ 6 | 1♎ 5 | 9♑50 | 13♎40 | 26♈14 | 22♋ 2 | 13♍ 7 | 26♈ 5 | 5♒26 | 5♒36 | 17♑ 2 | 24♍19 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s20 | 14s14 | 0n57 | 0s13 | 1n41 | 12n10 | 0s15 | 24s36 | 1s39 | 1s52 | 1n 8 | 8n27 | 2s46 | 22n15 | 0n29 | 8n 2 | 1n 8 | 5s17 | 16s43 | 18s13 | 18s34 | 24s53 | 0n14 | 3s51 |
| S 2 | 5 44 | 9 7 | 1 59 | 0 58 | 1 37 | 11 53 | 0 10 | 24 40 | 1 39 | 1 57 | 1 9 | 8 26 | 2 46 | 22 15 | 0 29 | 8 2 | 1 8 | 5 18 | 16 43 | 18 14 | 18 35 | 24 52 | 0 11 | 3 51 |
| S 3 | 6 7 | 3 31 | 2 58 | 1 43 | 1 32 | 11 36 | 0 4 | 24 44 | 1 39 | 2 3 | 1 9 | 8 24 | 2 46 | 22 15 | 0 29 | 8 1 | 1 8 | 5 18 | 16 43 | 18 15 | 18 36 | 24 50 | 0 8 | 3 51 |
| M 4 | 6 30 | 2n21 | 3 48 | 2 28 | 1 28 | 11 18 | 0n 1 | 24 47 | 1 39 | 2 8 | 1 9 | 8 22 | 2 46 | 22 15 | 0 29 | 8 0 | 1 8 | 5 18 | 16 43 | 18 17 | 18 36 | 24 49 | 0 5 | 3 51 |
| T 5 | 6 53 | 8 16 | 4 28 | 3 13 | 1 22 | 11 0 | 0 6 | 24 51 | 1 39 | 2 13 | 1 9 | 8 20 | 2 46 | 22 15 | 0 29 | 7 59 | 1 8 | 5 19 | 16 44 | 18 19 | 18 37 | 24 47 | 0 2 | 3 51 |
| W 6 | 7 16 | 13 56 | 4 53 | 3 58 | 1 17 | 10 41 | 0 11 | 24 54 | 1 39 | 2 18 | 1 9 | 8 19 | 2 46 | 22 14 | 0 29 | 7 59 | 1 8 | 5 19 | 16 44 | 18 22 | 18 38 | 24 46 | 0s 2 | 3 51 |
| T 7 | 7 39 | 19 0 | 5 2 | 4 43 | 1 11 | 10 22 | 0 16 | 24 56 | 1 39 | 2 23 | 1 9 | 8 17 | 2 46 | 22 14 | 0 29 | 7 58 | 1 9 | 5 20 | 16 44 | 18 25 | 18 39 | 24 44 | 0 5 | 3 51 |
| F 8 | 8 1 | 23 5 | 4 52 | 5 27 | 1 5 | 10 3 | 0 21 | 24 59 | 1 39 | 2 28 | 1 9 | 8 15 | 2 46 | 22 14 | 0 29 | 7 57 | 1 9 | 5 20 | 16 44 | 18 28 | 18 40 | 24 43 | 0 8 | 3 51 |
| S 9 | 8 24 | 25 49 | 4 25 | 6 11 | 0 59 | 9 43 | 0 25 | 25 1 | 1 38 | 2 33 | 1 9 | 8 14 | 2 46 | 22 14 | 0 29 | 7 57 | 1 9 | 5 20 | 16 44 | 18 30 | 18 40 | 24 41 | 0 11 | 3 51 |
| S 10 | 8 46 | 26 53 | 3 41 | 6 55 | 0 53 | 9 23 | 0 30 | 25 3 | 1 38 | 2 38 | 1 9 | 8 12 | 2 46 | 22 14 | 0 29 | 7 56 | 1 9 | 5 21 | 16 44 | 18 32 | 18 41 | 24 40 | 0 14 | 3 51 |
| M11 | 9 9 | 26 11 | 2 43 | 7 38 | 0 47 | 9 2 | 0 34 | 25 5 | 1 38 | 2 43 | 1 9 | 8 10 | 2 46 | 22 14 | 0 29 | 7 55 | 1 9 | 5 21 | 16 44 | 18 33 | 18 42 | 24 38 | 0 17 | 3 51 |
| T 12 | 9 31 | 23 47 | 1 35 | 8 21 | 0 40 | 8 41 | 0 39 | 25 7 | 1 38 | 2 48 | 1 9 | 8 8 | 2 46 | 22 14 | 0 30 | 7 55 | 1 9 | 5 22 | 16 44 | 18 33 | 18 43 | 24 36 | 0 20 | 3 51 |
| W13 | 9 53 | 19 57 | 0 22 | 9 4 | 0 34 | 8 20 | 0 43 | 25 8 | 1 38 | 2 53 | 1 9 | 8 7 | 2 46 | 22 14 | 0 30 | 7 54 | 1 9 | 5 22 | 16 44 | 18 33 | 18 44 | 24 35 | 0 23 | 3 51 |
| T 14 | 10 15 | 15 0 | 0s51 | 9 46 | 0 27 | 7 58 | 0 47 | 25 9 | 1 37 | 2 58 | 1 9 | 8 5 | 2 46 | 22 14 | 0 30 | 7 53 | 1 9 | 5 22 | 16 44 | 18 33 | 18 44 | 24 33 | 0 27 | 3 51 |
| F 15 | 10 37 | 9 20 | 2 1 | 10 27 | 0 20 | 7 36 | 0 51 | 25 9 | 1 37 | 3 3 | 1 9 | 8 3 | 2 46 | 22 14 | 0 30 | 7 53 | 1 9 | 5 23 | 16 44 | 18 34 | 18 45 | 24 32 | 0 30 | 3 51 |
| S 16 | 10 59 | 3 16 | 3 4 | 11 8 | 0 14 | 7 14 | 0 55 | 25 10 | 1 37 | 3 8 | 1 9 | 8 2 | 2 46 | 22 14 | 0 30 | 7 52 | 1 9 | 5 23 | 16 44 | 18 35 | 18 46 | 24 30 | 0 33 | 3 51 |
| S 17 | 11 20 | 2s53 | 3 55 | 11 49 | 0 7 | 6 51 | 0 59 | 25 10 | 1 37 | 3 13 | 1 9 | 8 0 | 2 46 | 22 14 | 0 30 | 7 52 | 1 9 | 5 24 | 16 44 | 18 37 | 18 47 | 24 29 | 0 36 | 3 51 |
| M18 | 11 41 | 8 48 | 4 32 | 12 28 | 0 0 | 6 28 | 1 3 | 25 10 | 1 37 | 3 18 | 1 9 | 7 58 | 2 46 | 22 14 | 0 30 | 7 51 | 1 9 | 5 24 | 16 44 | 18 39 | 18 48 | 24 27 | 0 39 | 3 51 |
| T 19 | 12 2 | 14 15 | 4 54 | 13 7 | 0s 6 | 6 5 | 1 7 | 25 9 | 1 36 | 3 23 | 1 9 | 7 56 | 2 46 | 22 14 | 0 30 | 7 50 | 1 9 | 5 24 | 16 43 | 18 42 | 18 48 | 24 25 | 0 42 | 3 51 |
| W20 | 12 23 | 18 57 | 5 0 | 13 46 | 0 13 | 5 42 | 1 10 | 25 9 | 1 36 | 3 28 | 1 9 | 7 55 | 2 46 | 22 14 | 0 30 | 7 50 | 1 9 | 5 25 | 16 43 | 18 46 | 18 49 | 24 24 | 0 45 | 3 51 |
| T 21 | 12 44 | 22 41 | 4 50 | 14 23 | 0 20 | 5 18 | 1 14 | 25 8 | 1 36 | 3 33 | 1 9 | 7 53 | 2 46 | 22 14 | 0 30 | 7 49 | 1 9 | 5 25 | 16 43 | 18 49 | 18 50 | 24 22 | 0 48 | 3 51 |
| F 22 | 13 5 | 25 16 | 4 27 | 15 0 | 0 26 | 4 54 | 1 17 | 25 7 | 1 35 | 3 38 | 1 9 | 7 51 | 2 46 | 22 14 | 0 30 | 7 49 | 1 9 | 5 25 | 16 43 | 18 52 | 18 51 | 24 20 | 0 51 | 3 51 |
| S 23 | 13 25 | 26 36 | 3 52 | 15 37 | 0 33 | 4 29 | 1 20 | 25 5 | 1 35 | 3 43 | 1 9 | 7 50 | 2 46 | 22 14 | 0 30 | 7 48 | 1 9 | 5 26 | 16 43 | 18 55 | 18 52 | 24 19 | 0 54 | 3 51 |
| S 24 | 13 45 | 26 39 | 3 7 | 16 12 | 0 39 | 4 5 | 1 23 | 25 4 | 1 35 | 3 48 | 1 9 | 7 48 | 2 46 | 22 14 | 0 30 | 7 48 | 1 9 | 5 26 | 16 43 | 18 57 | 18 52 | 24 17 | 0 57 | 3 51 |
| M25 | 14 5 | 25 26 | 2 14 | 16 47 | 0 45 | 3 40 | 1 26 | 25 1 | 1 35 | 3 52 | 1 9 | 7 46 | 2 46 | 22 14 | 0 30 | 7 47 | 1 9 | 5 26 | 16 43 | 18 58 | 18 53 | 24 16 | 0 59 | 3 51 |
| T 26 | 14 25 | 23 6 | 1 15 | 17 21 | 0 52 | 3 15 | 1 29 | 24 59 | 1 34 | 3 57 | 1 10 | 7 45 | 2 45 | 22 14 | 0 30 | 7 47 | 1 9 | 5 26 | 16 43 | 18 58 | 18 54 | 24 14 | 1 2 | 3 51 |
| W27 | 14 44 | 19 48 | 0 13 | 17 54 | 0 58 | 2 50 | 1 32 | 24 57 | 1 34 | 4 2 | 1 10 | 7 43 | 2 45 | 22 14 | 0 30 | 7 46 | 1 9 | 5 27 | 16 43 | 18 58 | 18 55 | 24 12 | 1 5 | 3 51 |
| T 28 | 15 3 | 15 39 | 0n49 | 18 26 | 1 4 | 2 25 | 1 35 | 24 54 | 1 34 | 4 7 | 1 10 | 7 42 | 2 45 | 22 14 | 0 30 | 7 45 | 1 9 | 5 27 | 16 43 | 18 58 | 18 55 | 24 11 | 1 8 | 3 51 |
| F 29 | 15 22 | 10 51 | 1 51 | 18 57 | 1 10 | 1 59 | 1 37 | 24 51 | 1 33 | 4 11 | 1 10 | 7 40 | 2 45 | 22 14 | 0 30 | 7 45 | 1 9 | 5 27 | 16 43 | 18 58 | 18 56 | 24 9 | 1 11 | 3 51 |
| S 30 | 15 41 | 5 31 | 2 49 | 19 28 | 1 16 | 1 34 | 1 40 | 24 47 | 1 33 | 4 16 | 1 10 | 7 39 | 2 45 | 22 14 | 0 30 | 7 45 | 1 9 | 5 28 | 16 43 | 18 59 | 18 57 | 24 7 | 1 14 | 3 51 |
| S 31 | 15s59 | 0n10 | 3n40 | 19s57 | 1s21 | 1n 8 | 1n42 | 24s44 | 1s33 | 4s21 | 1n10 | 7n37 | 2s45 | 22n14 | 0n30 | 7n44 | 1n 9 | 5s28 | 16s42 | 19s 0 | 18s58 | 24s 6 | 1s17 | 3s52 |

Julian Day Number = 2128584.5, Delta T = 16m53s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'46, Lahiri = 11°31'46 Julian Calendar 1 Oct. 1115 == Greg. Calendar 8 Oct. 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## NOVEMBER 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 3 34 | 14♏34'06 | 5♈ 4 | 24♏38 | 2♎15 | 10♑36 | 13♎52 | 26°R10 | 22°R 1 | 13♍ 8 | 26°R 4 | 5°R18 | 5♒32 | 17♑ 9 | 24♍26 | M 1 |
| T 2 | 3 7 30 | 15°34'44 | 18°35 | 26°10 | 3°25 | 11°21 | 14° 4 | 26♈ 5 | 22♋ 1 | 13° 9 | 26♈ 3 | 5♒ 8 | 5°29 | 17°15 | 24°33 | T 2 |
| W 3 | 3 11 27 | 16°35'24 | 2♉31 | 27°42 | 4°36 | 12° 7 | 14°16 | 26° 1 | 22° 0 | 13°11 | 26° 2 | 4°56 | 5°26 | 17°22 | 24°40 | W 3 |
| T 4 | 3 15 23 | 17°36'05 | 16°47 | 29°13 | 5°46 | 12°53 | 14°28 | 25°57 | 22° 0 | 13°12 | 26° 1 | 4°44 | 5°23 | 17°29 | 24°46 | T 4 |
| F 5 | 3 19 20 | 18°36'48 | 1♊20 | 0♐44 | 6°57 | 13°39 | 14°40 | 25°52 | 21°59 | 13°13 | 26° 0 | 4°33 | 5°20 | 17°35 | 24°53 | F 5 |
| S 6 | 3 23 16 | 19°37'32 | 16° 0 | 2°15 | 8° 8 | 14°25 | 14°52 | 25°48 | 21°58 | 13°14 | 25°59 | 4°23 | 5°17 | 17°42 | 24°59 | S 6 |
| S 7 | 3 27 13 | 20°38'17 | 0♋41 | 3°46 | 9°19 | 15°11 | 15° 4 | 25°44 | 21°57 | 13°15 | 25°58 | 4°17 | 5°13 | 17°49 | 25° 5 | S 7 |
| M 8 | 3 31 10 | 21°39'05 | 15°16 | 5°17 | 10°30 | 15°57 | 15°16 | 25°40 | 21°56 | 13°16 | 25°57 | 4°13 | 5°10 | 17°55 | 25°12 | M 8 |
| T 9 | 3 35 6 | 22°39'53 | 29°40 | 6°47 | 11°41 | 16°43 | 15°27 | 25°36 | 21°55 | 13°17 | 25°56 | 4°D12 | 5° 7 | 18° 2 | 25°18 | T 9 |
| W10 | 3 39 3 | 23°40'43 | 13♌50 | 8°17 | 12°53 | 17°29 | 15°39 | 25°32 | 21°55 | 13°18 | 25°55 | 4°12 | 5° 4 | 18° 9 | 25°24 | W10 |
| T 11 | 3 42 59 | 24°41'35 | 27°46 | 9°46 | 14° 4 | 18°15 | 15°50 | 25°28 | 21°53 | 13°19 | 25°54 | 4°R12 | 5° 1 | 18°15 | 25°30 | T 11 |
| F 12 | 3 46 56 | 25°42'28 | 11♍28 | 11°16 | 15°16 | 19° 2 | 16° 2 | 25°24 | 21°52 | 13°20 | 25°53 | 4°11 | 4°58 | 18°22 | 25°36 | F 12 |
| S 13 | 3 50 52 | 26°43'23 | 24°57 | 12°44 | 16°28 | 19°48 | 16°13 | 25°20 | 21°51 | 13°21 | 25°52 | 4° 8 | 4°54 | 18°29 | 25°42 | S 13 |
| S 14 | 3 54 49 | 27°44'18 | 8♎13 | 14°12 | 17°39 | 20°34 | 16°25 | 25°16 | 21°50 | 13°22 | 25°51 | 4° 2 | 4°51 | 18°35 | 25°47 | S 14 |
| M15 | 3 58 45 | 28°45'16 | 21°17 | 15°40 | 18°51 | 21°20 | 16°36 | 25°13 | 21°49 | 13°23 | 25°50 | 3°53 | 4°48 | 18°42 | 25°53 | M15 |
| T 16 | 4 2 42 | 29°46'14 | 4♏10 | 17° 7 | 20° 3 | 22° 7 | 16°47 | 25° 9 | 21°48 | 13°24 | 25°49 | 3°42 | 4°45 | 18°49 | 25°59 | T 16 |
| W17 | 4 6 39 | 0♐47'14 | 16°51 | 18°33 | 21°16 | 22°53 | 16°58 | 25° 6 | 21°46 | 13°25 | 25°48 | 3°30 | 4°42 | 18°55 | 26° 4 | W17 |
| T 18 | 4 10 35 | 1°48'15 | 29°21 | 19°58 | 22°28 | 23°39 | 17° 9 | 25° 2 | 21°45 | 13°25 | 25°47 | 3°18 | 4°38 | 19° 2 | 26°10 | T 18 |
| F 19 | 4 14 32 | 2°49'16 | 11♐39 | 21°21 | 23°40 | 24°26 | 17°20 | 24°59 | 21°44 | 13°26 | 25°46 | 3° 7 | 4°35 | 19° 9 | 26°15 | F 19 |
| S 20 | 4 18 28 | 3°50'19 | 23°46 | 22°44 | 24°52 | 25°12 | 17°31 | 24°56 | 21°42 | 13°27 | 25°46 | 2°58 | 4°32 | 19°15 | 26°20 | S 20 |
| S 21 | 4 22 25 | 4°51'22 | 5♑43 | 24° 5 | 26° 5 | 25°58 | 17°42 | 24°53 | 21°41 | 13°27 | 25°45 | 2°52 | 4°29 | 19°22 | 26°25 | S 21 |
| M22 | 4 26 21 | 5°52'26 | 17°33 | 25°24 | 27°17 | 26°45 | 17°53 | 24°49 | 21°39 | 13°28 | 25°44 | 2°48 | 4°26 | 19°28 | 26°30 | M22 |
| T 23 | 4 30 18 | 6°53'31 | 29°20 | 26°41 | 28°30 | 27°31 | 18° 3 | 24°47 | 21°37 | 13°29 | 25°43 | 2°D46 | 4°23 | 19°35 | 26°35 | T 23 |
| W24 | 4 34 14 | 7°54'37 | 11♒ 6 | 27°55 | 29°43 | 28°18 | 18°14 | 24°44 | 21°36 | 13°29 | 25°42 | 2°47 | 4°19 | 19°42 | 26°40 | W24 |
| T 25 | 4 38 11 | 8°55'42 | 22°57 | 29° 7 | 0♏56 | 29° 4 | 18°24 | 24°41 | 21°34 | 13°30 | 25°42 | 2°48 | 4°16 | 19°48 | 26°45 | T 25 |
| F 26 | 4 42 8 | 9°56'48 | 4♓58 | 0♑15 | 2° 8 | 29°51 | 18°34 | 24°38 | 21°32 | 13°30 | 25°41 | 2°R49 | 4°13 | 19°55 | 26°50 | F 26 |
| S 27 | 4 46 4 | 10°57'55 | 17°14 | 1°19 | 3°21 | 0♒37 | 18°45 | 24°36 | 21°31 | 13°31 | 25°40 | 2°48 | 4°10 | 20° 2 | 26°54 | S 27 |
| S 28 | 4 50 1 | 11°59'02 | 29°51 | 2°18 | 4°34 | 1°24 | 18°55 | 24°33 | 21°29 | 13°31 | 25°39 | 2°47 | 4° 7 | 20° 8 | 26°59 | S 28 |
| M29 | 4 53 57 | 13° 0'09 | 12♈53 | 3°13 | 5°47 | 2°10 | 19° 5 | 24°31 | 21°27 | 13°31 | 25°38 | 2°43 | 4° 4 | 20°15 | 27° 3 | M29 |
| T 30 | 4 57 54 | 14♐ 1'16 | 26♈23 | 4♑ 1 | 7♏ 0 | 2♒57 | 19♎15 | 24♈28 | 21♋25 | 13♍32 | 25♈38 | 2♒37 | 4♒ 0 | 20♑22 | 27♍ 8 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s17 | 6n 0 | 4n21 | 20s25 | 1s27 | 0n42 | 1n44 | 24s40 | 1s32 | 4s25 | 1n10 | 7n35 | 2s45 | 22n15 | 0n30 | 7n44 | 1n 9 | 5s28 | 16s42 | 19s 2 | 18s59 | 24s 4 | 1s19 | 3s52 |
| T 2 | 16 35 | 11 46 | 4 49 | 20 53 | 1 32 | 0 16 | 1 46 | 24 36 | 1 32 | 4 30 | 1 10 | 7 34 | 2 45 | 22 15 | 0 30 | 7 43 | 1 10 | 5 28 | 16 42 | 19 5 | 18 59 | 24 2 | 1 22 | 3 52 |
| W 3 | 16 53 | 17 6 | 5 1 | 21 19 | 1 37 | 0s11 | 1 48 | 24 31 | 1 31 | 4 35 | 1 10 | 7 33 | 2 44 | 22 15 | 0 30 | 7 43 | 1 10 | 5 29 | 16 42 | 19 7 | 19 0 | 24 0 | 1 25 | 3 52 |
| T 4 | 17 10 | 21 38 | 4 54 | 21 45 | 1 42 | 0 37 | 1 50 | 24 26 | 1 31 | 4 39 | 1 10 | 7 31 | 2 44 | 22 15 | 0 30 | 7 42 | 1 10 | 5 29 | 16 42 | 19 10 | 19 1 | 23 59 | 1 28 | 3 52 |
| F 5 | 17 27 | 24 55 | 4 29 | 22 9 | 1 47 | 1 4 | 1 52 | 24 21 | 1 31 | 4 44 | 1 10 | 7 30 | 2 44 | 22 15 | 0 30 | 7 42 | 1 10 | 5 29 | 16 42 | 19 13 | 19 2 | 23 57 | 1 30 | 3 52 |
| S 6 | 17 44 | 26 34 | 3 46 | 22 32 | 1 52 | 1 30 | 1 54 | 24 16 | 1 30 | 4 48 | 1 10 | 7 28 | 2 44 | 22 15 | 0 30 | 7 41 | 1 10 | 5 29 | 16 42 | 19 15 | 19 2 | 23 55 | 1 33 | 3 52 |
| S 7 | 18 0 | 26 21 | 2 48 | 22 54 | 1 56 | 1 57 | 1 55 | 24 10 | 1 30 | 4 53 | 1 10 | 7 27 | 2 44 | 22 15 | 0 30 | 7 41 | 1 10 | 5 29 | 16 41 | 19 17 | 19 3 | 23 54 | 1 35 | 3 52 |
| M 8 | 18 16 | 24 19 | 1 39 | 23 15 | 2 0 | 2 23 | 1 57 | 24 5 | 1 29 | 4 57 | 1 11 | 7 26 | 2 44 | 22 16 | 0 30 | 7 41 | 1 10 | 5 30 | 16 41 | 19 18 | 19 4 | 23 52 | 1 38 | 3 52 |
| T 9 | 18 32 | 20 43 | 0 24 | 23 35 | 2 4 | 2 50 | 1 58 | 23 59 | 1 29 | 5 2 | 1 11 | 7 24 | 2 43 | 22 16 | 0 30 | 7 40 | 1 10 | 5 30 | 16 41 | 19 18 | 19 5 | 23 50 | 1 41 | 3 53 |
| W10 | 18 47 | 15 56 | 0s51 | 23 53 | 2 7 | 3 17 | 1 59 | 23 52 | 1 29 | 5 6 | 1 11 | 7 23 | 2 43 | 22 16 | 0 31 | 7 40 | 1 10 | 5 30 | 16 41 | 19 18 | 19 6 | 23 48 | 1 43 | 3 53 |
| T 11 | 19 2 | 10 24 | 2 2 | 24 10 | 2 10 | 3 44 | 2 0 | 23 46 | 1 28 | 5 10 | 1 11 | 7 22 | 2 43 | 22 16 | 0 31 | 7 40 | 1 10 | 5 30 | 16 41 | 19 18 | 19 6 | 23 47 | 1 46 | 3 53 |
| F 12 | 19 17 | 4 27 | 3 4 | 24 26 | 2 13 | 4 10 | 2 1 | 23 39 | 1 28 | 5 15 | 1 11 | 7 20 | 2 43 | 22 16 | 0 31 | 7 39 | 1 10 | 5 30 | 16 41 | 19 18 | 19 7 | 23 45 | 1 48 | 3 53 |
| S 13 | 19 31 | 1s35 | 3 56 | 24 41 | 2 16 | 4 37 | 2 2 | 23 32 | 1 27 | 5 19 | 1 11 | 7 19 | 2 43 | 22 17 | 0 31 | 7 39 | 1 10 | 5 30 | 16 40 | 19 19 | 19 8 | 23 43 | 1 51 | 3 53 |
| S 14 | 19 45 | 7 27 | 4 33 | 24 54 | 2 18 | 5 4 | 2 3 | 23 24 | 1 27 | 5 23 | 1 11 | 7 18 | 2 43 | 22 17 | 0 31 | 7 39 | 1 10 | 5 31 | 16 40 | 19 20 | 19 9 | 23 41 | 1 53 | 3 53 |
| M15 | 19 59 | 12 54 | 4 56 | 25 5 | 2 19 | 5 31 | 2 4 | 23 16 | 1 26 | 5 27 | 1 11 | 7 17 | 2 42 | 22 17 | 0 31 | 7 38 | 1 10 | 5 31 | 16 40 | 19 23 | 19 9 | 23 40 | 1 56 | 3 54 |
| T 16 | 20 12 | 17 43 | 5 3 | 25 15 | 2 21 | 5 58 | 2 4 | 23 9 | 1 26 | 5 32 | 1 11 | 7 16 | 2 42 | 22 17 | 0 31 | 7 38 | 1 10 | 5 31 | 16 40 | 19 25 | 19 10 | 23 38 | 1 58 | 3 54 |
| W17 | 20 25 | 21 39 | 4 55 | 25 24 | 2 21 | 6 24 | 2 5 | 23 0 | 1 25 | 5 36 | 1 12 | 7 15 | 2 42 | 22 17 | 0 31 | 7 38 | 1 10 | 5 31 | 16 39 | 19 28 | 19 11 | 23 36 | 2 0 | 3 54 |
| T 18 | 20 37 | 24 33 | 4 33 | 25 31 | 2 21 | 6 51 | 2 5 | 22 52 | 1 25 | 5 40 | 1 12 | 7 14 | 2 42 | 22 18 | 0 31 | 7 38 | 1 10 | 5 31 | 16 39 | 19 31 | 19 12 | 23 34 | 2 3 | 3 54 |
| F 19 | 20 49 | 26 13 | 3 58 | 25 37 | 2 21 | 7 17 | 2 6 | 22 43 | 1 24 | 5 44 | 1 12 | 7 13 | 2 41 | 22 18 | 0 31 | 7 37 | 1 10 | 5 31 | 16 39 | 19 33 | 19 12 | 23 32 | 2 5 | 3 54 |
| S 20 | 21 1 | 26 37 | 3 13 | 25 41 | 2 20 | 7 44 | 2 6 | 22 34 | 1 24 | 5 48 | 1 12 | 7 12 | 2 41 | 22 18 | 0 31 | 7 37 | 1 10 | 5 31 | 16 39 | 19 35 | 19 13 | 23 31 | 2 7 | 3 54 |
| S 21 | 21 13 | 25 45 | 2 20 | 25 44 | 2 19 | 8 10 | 2 6 | 22 25 | 1 23 | 5 52 | 1 12 | 7 11 | 2 41 | 22 18 | 0 31 | 7 37 | 1 10 | 5 31 | 16 39 | 19 37 | 19 14 | 23 29 | 2 9 | 3 55 |
| M22 | 21 23 | 23 44 | 1 21 | 25 45 | 2 16 | 8 36 | 2 6 | 22 16 | 1 23 | 5 56 | 1 12 | 7 10 | 2 41 | 22 19 | 0 31 | 7 37 | 1 10 | 5 31 | 16 38 | 19 38 | 19 15 | 23 27 | 2 12 | 3 55 |
| T 23 | 21 34 | 20 42 | 0 19 | 25 44 | 2 13 | 9 2 | 2 6 | 22 6 | 1 22 | 6 0 | 1 12 | 7 9 | 2 41 | 22 19 | 0 31 | 7 37 | 1 11 | 5 31 | 16 38 | 19 38 | 19 16 | 23 25 | 2 14 | 3 55 |
| W24 | 21 44 | 16 49 | 0n45 | 25 42 | 2 10 | 9 28 | 2 5 | 21 56 | 1 22 | 6 4 | 1 12 | 7 8 | 2 40 | 22 19 | 0 31 | 7 36 | 1 11 | 5 31 | 16 38 | 19 38 | 19 16 | 23 23 | 2 16 | 3 55 |
| T 25 | 21 54 | 12 15 | 1 47 | 25 38 | 2 5 | 9 54 | 2 5 | 21 46 | 1 21 | 6 8 | 1 13 | 7 7 | 2 40 | 22 20 | 0 31 | 7 36 | 1 11 | 5 32 | 16 38 | 19 38 | 19 17 | 23 22 | 2 18 | 3 55 |
| F 26 | 22 3 | 7 11 | 2 45 | 25 33 | 2 0 | 10 19 | 2 5 | 21 36 | 1 21 | 6 12 | 1 13 | 7 7 | 2 40 | 22 20 | 0 31 | 7 36 | 1 11 | 5 32 | 16 37 | 19 38 | 19 18 | 23 20 | 2 20 | 3 55 |
| S 27 | 22 12 | 1 45 | 3 36 | 25 26 | 1 53 | 10 45 | 2 4 | 21 25 | 1 20 | 6 15 | 1 13 | 7 6 | 2 40 | 22 20 | 0 31 | 7 36 | 1 11 | 5 32 | 16 37 | 19 38 | 19 19 | 23 18 | 2 22 | 3 56 |
| S 28 | 22 20 | 3n54 | 4 19 | 25 18 | 1 46 | 11 10 | 2 4 | 21 14 | 1 20 | 6 19 | 1 13 | 7 5 | 2 39 | 22 21 | 0 31 | 7 36 | 1 11 | 5 32 | 16 37 | 19 38 | 19 19 | 23 16 | 2 24 | 3 56 |
| M29 | 22 28 | 9 34 | 4 50 | 25 8 | 1 37 | 11 35 | 2 3 | 21 3 | 1 19 | 6 23 | 1 13 | 7 5 | 2 39 | 22 21 | 0 31 | 7 36 | 1 11 | 5 32 | 16 37 | 19 39 | 19 20 | 23 14 | 2 26 | 3 56 |
| T 30 | 22s36 | 14n59 | 5n 6 | 24s57 | 1s27 | 11s59 | 2n 2 | 20s52 | 1s18 | 6s26 | 1n13 | 7n 4 | 2s39 | 22n21 | 0n31 | 7n36 | 1n11 | 5s32 | 16s36 | 19s40 | 19s21 | 23s12 | 2s28 | 3s56 |

Julian Day Number = 2128615.5, Delta T = 16m53s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'50, Lahiri = 11°31'51 Julian Calendar 1 Nov. 1115 == Greg. Calendar 8 Nov. 1115


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# ASTRODIENST EPHEMERIS for the year 1115
# geocentric

## DECEMBER 1115 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 1 50 | 15♐ 2'24 | 10♉22 | 4♋43 | 8♏13 | 3♒44 | 19♎25 | 24°R26 | 21°R23 | 13♍32 | 25°R37 | 2°R30 | 3♒57 | 20♋28 | 27♍12 | W 1 |
| T 2 | 5 5 47 | 16° 3'32 | 24°47 | 5°17 | 9°27 | 4°30 | 19°35 | 24♈24 | 21♋21 | 13°32 | 25♈36 | 2♒22 | 3°54 | 20°35 | 27°16 | T 2 |
| F 3 | 5 9 43 | 17° 4'41 | 9♊34 | 5°43 | 10°40 | 5°17 | 19°44 | 24°22 | 21°19 | 13°33 | 25°36 | 2°14 | 3°51 | 20°42 | 27°20 | F 3 |
| S 4 | 5 13 40 | 18° 5'50 | 24°34 | 5°59 | 11°53 | 6° 3 | 19°54 | 24°20 | 21°17 | 13°33 | 25°35 | 2° 8 | 3°48 | 20°48 | 27°24 | S 4 |
| S 5 | 5 17 37 | 19° 6'59 | 9♋38 | 6°R 4 | 13° 7 | 6°50 | 20° 3 | 24°18 | 21°15 | 13°33 | 25°35 | 2° 4 | 3°44 | 20°55 | 27°28 | S 5 |
| M 6 | 5 21 33 | 20° 8'09 | 24°38 | 5°59 | 14°20 | 7°36 | 20°13 | 24°17 | 21°13 | 13°33 | 25°34 | 2° 2 | 3°41 | 21° 2 | 27°31 | M 6 |
| T 7 | 5 25 30 | 21° 9'19 | 9♌25 | 5°42 | 15°33 | 8°23 | 20°22 | 24°15 | 21°11 | 13°33 | 25°33 | 2°D 2 | 3°38 | 21° 8 | 27°35 | T 7 |
| W 8 | 5 29 26 | 22°10'30 | 23°54 | 5°14 | 16°47 | 9°10 | 20°31 | 24°14 | 21° 9 | 13°33 | 25°33 | 2° 3 | 3°35 | 21°15 | 27°38 | W 8 |
| T 9 | 5 33 23 | 23°11'41 | 8♍ 2 | 4°34 | 18° 1 | 9°56 | 20°40 | 24°12 | 21° 7 | 13°34 | 25°32 | 2° 5 | 3°32 | 21°22 | 27°42 | T 9 |
| F 10 | 5 37 19 | 24°12'53 | 21°48 | 3°42 | 19°14 | 10°43 | 20°49 | 24°11 | 21° 4 | 13°R34 | 25°32 | 2°R 6 | 3°29 | 21°28 | 27°45 | F 10 |
| S 11 | 5 41 16 | 25°14'05 | 5♎13 | 2°41 | 20°28 | 11°29 | 20°58 | 24°10 | 21° 2 | 13°33 | 25°31 | 2° 5 | 3°25 | 21°35 | 27°48 | S 11 |
| S 12 | 5 45 12 | 26°15'17 | 18°20 | 1°31 | 21°42 | 12°16 | 21° 7 | 24° 9 | 21° 0 | 13°33 | 25°31 | 2° 3 | 3°22 | 21°41 | 27°51 | S 12 |
| M13 | 5 49 9 | 27°16'30 | 1♏10 | 0°14 | 22°55 | 13° 3 | 21°15 | 24° 8 | 20°57 | 13°33 | 25°30 | 1°59 | 3°19 | 21°48 | 27°54 | M13 |
| T 14 | 5 53 6 | 28°17'43 | 13°46 | 28♐54 | 24° 9 | 13°49 | 21°24 | 24° 7 | 20°55 | 13°33 | 25°30 | 1°54 | 3°16 | 21°55 | 27°57 | T 14 |
| W15 | 5 57 2 | 29°18'56 | 26°10 | 27°33 | 25°23 | 14°36 | 21°32 | 24° 7 | 20°53 | 13°33 | 25°29 | 1°48 | 3°13 | 22° 1 | 27°59 | W15 |
| T 16 | 6 0 59 | 0♑20'09 | 8♐23 | 26°13 | 26°37 | 15°22 | 21°40 | 24° 6 | 20°50 | 13°33 | 25°29 | 1°42 | 3°10 | 22° 8 | 28° 2 | T 16 |
| F 17 | 6 4 55 | 1°21'23 | 20°27 | 24°57 | 27°51 | 16° 9 | 21°48 | 24° 5 | 20°48 | 13°33 | 25°29 | 1°36 | 3° 6 | 22°15 | 28° 4 | F 17 |
| S 18 | 6 8 52 | 2°22'36 | 2♑24 | 23°47 | 29° 5 | 16°56 | 21°56 | 24° 5 | 20°46 | 13°32 | 25°28 | 1°32 | 3° 3 | 22°21 | 28° 7 | S 18 |
| S 19 | 6 12 48 | 3°23'49 | 14°16 | 22°45 | 0♐19 | 17°42 | 22° 4 | 24° 5 | 20°43 | 13°32 | 25°28 | 1°29 | 3° 0 | 22°28 | 28° 9 | S 19 |
| M20 | 6 16 45 | 4°25'02 | 26° 4 | 21°51 | 1°33 | 18°29 | 22°11 | 24° 5 | 20°41 | 13°32 | 25°28 | 1°D28 | 2°57 | 22°35 | 28°11 | M20 |
| T 21 | 6 20 42 | 5°26'14 | 7♒50 | 21° 8 | 2°47 | 19°15 | 22°19 | 24°D 5 | 20°38 | 13°31 | 25°27 | 1°28 | 2°54 | 22°41 | 28°13 | T 21 |
| W22 | 6 24 38 | 6°27'26 | 19°38 | 20°34 | 4° 1 | 20° 2 | 22°26 | 24° 5 | 20°36 | 13°31 | 25°27 | 1°29 | 2°50 | 22°48 | 28°15 | W22 |
| T 23 | 6 28 35 | 7°28'37 | 1♓30 | 20°10 | 5°15 | 20°48 | 22°34 | 24° 5 | 20°33 | 13°31 | 25°27 | 1°31 | 2°47 | 22°55 | 28°17 | T 23 |
| F 24 | 6 32 31 | 8°29'48 | 13°32 | 19°56 | 6°29 | 21°35 | 22°41 | 24° 5 | 20°31 | 13°30 | 25°26 | 1°32 | 2°44 | 23° 1 | 28°18 | F 24 |
| S 25 | 6 36 28 | 9°30'58 | 25°47 | 19°D50 | 7°43 | 22°21 | 22°48 | 24° 6 | 20°28 | 13°30 | 25°26 | 1°34 | 2°41 | 23° 8 | 28°20 | S 25 |
| S 26 | 6 40 24 | 10°32'08 | 8♈20 | 19°54 | 8°57 | 23° 8 | 22°55 | 24° 6 | 20°26 | 13°29 | 25°26 | 1°R35 | 2°38 | 23°15 | 28°21 | S 26 |
| M27 | 6 44 21 | 11°33'16 | 21°15 | 20° 5 | 10°11 | 23°54 | 23° 1 | 24° 7 | 20°23 | 13°29 | 25°26 | 1°34 | 2°35 | 23°21 | 28°22 | M27 |
| T 28 | 6 48 17 | 12°34'24 | 4♉35 | 20°24 | 11°25 | 24°41 | 23° 8 | 24° 8 | 20°20 | 13°28 | 25°26 | 1°33 | 2°31 | 23°28 | 28°24 | T 28 |
| W29 | 6 52 14 | 13°35'31 | 18°24 | 20°50 | 12°40 | 25°27 | 23°14 | 24° 9 | 20°18 | 13°27 | 25°26 | 1°31 | 2°28 | 23°34 | 28°25 | W29 |
| T 30 | 6 56 11 | 14°36'37 | 2♊41 | 21°21 | 13°54 | 26°14 | 23°20 | 24°10 | 20°15 | 13°27 | 25°26 | 1°29 | 2°25 | 23°41 | 28°26 | T 30 |
| F 31 | 7 0 7 | 15♑37'43 | 17♊24 | 21♐59 | 15♐ 8 | 27♒ 0 | 23♎26 | 24♈11 | 20♋13 | 13♍26 | 25♈25 | 1♒27 | 2♒22 | 23♋48 | 28♍26 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s43 | 19n49 | 5n 5 | 24s45 | 1s16 | 12s24 | 2n 2 | 20s40 | 1s18 | 6s30 | 1n13 | 7n 4 | 2s39 | 22n22 | 0n31 | 7n36 | 1n11 | 5s32 | 16s36 | 19s42 | 19s22 | 23s11 | 2s30 | 3s56 |
| T 2 | 22 49 | 23 40 | 4 45 | 24 31 | 1 4 | 12 48 | 2 1 | 20 29 | 1 17 | 6 34 | 1 14 | 7 3 | 2 38 | 22 22 | 0 31 | 7 36 | 1 11 | 5 31 | 16 36 | 19 44 | 19 22 | 23 9 | 2 31 | 3 57 |
| F 3 | 22 55 | 26 2 | 4 6 | 24 16 | 0 51 | 13 12 | 2 0 | 20 17 | 1 17 | 6 37 | 1 14 | 7 3 | 2 38 | 22 22 | 0 31 | 7 35 | 1 11 | 5 31 | 16 35 | 19 45 | 19 23 | 23 7 | 2 33 | 3 57 |
| S 4 | 23 1 | 26 35 | 3 9 | 24 1 | 0 36 | 13 36 | 1 59 | 20 5 | 1 16 | 6 41 | 1 14 | 7 2 | 2 38 | 22 23 | 0 31 | 7 35 | 1 11 | 5 31 | 16 35 | 19 47 | 19 24 | 23 5 | 2 35 | 3 57 |
| S 5 | 23 6 | 25 10 | 1 59 | 23 45 | 0 20 | 13 59 | 1 57 | 19 52 | 1 16 | 6 44 | 1 14 | 7 2 | 2 37 | 22 23 | 0 31 | 7 35 | 1 11 | 5 31 | 16 35 | 19 48 | 19 25 | 23 3 | 2 37 | 3 57 |
| M 6 | 23 11 | 21 58 | 0 40 | 23 28 | 0 3 | 14 22 | 1 56 | 19 40 | 1 15 | 6 47 | 1 14 | 7 1 | 2 37 | 22 23 | 0 31 | 7 35 | 1 11 | 5 31 | 16 35 | 19 48 | 19 25 | 23 1 | 2 38 | 3 57 |
| T 7 | 23 16 | 17 20 | 0s40 | 23 10 | 0n16 | 14 45 | 1 55 | 19 27 | 1 14 | 6 51 | 1 14 | 7 1 | 2 37 | 22 24 | 0 31 | 7 35 | 1 11 | 5 31 | 16 34 | 19 48 | 19 26 | 22 59 | 2 40 | 3 58 |
| W 8 | 23 19 | 11 48 | 1 56 | 22 52 | 0 35 | 15 7 | 1 53 | 19 14 | 1 14 | 6 54 | 1 15 | 7 1 | 2 37 | 22 24 | 0 31 | 7 35 | 1 11 | 5 31 | 16 34 | 19 48 | 19 27 | 22 57 | 2 41 | 3 58 |
| T 9 | 23 23 | 5 46 | 3 3 | 22 34 | 0 54 | 15 29 | 1 52 | 19 1 | 1 13 | 6 57 | 1 15 | 7 1 | 2 36 | 22 24 | 0 31 | 7 35 | 1 11 | 5 31 | 16 34 | 19 48 | 19 28 | 22 55 | 2 43 | 3 58 |
| F 10 | 23 26 | 0s22 | 3 58 | 22 16 | 1 14 | 15 51 | 1 50 | 18 48 | 1 13 | 7 1 | 1 15 | 7 0 | 2 36 | 22 25 | 0 31 | 7 35 | 1 11 | 5 31 | 16 33 | 19 47 | 19 28 | 22 54 | 2 45 | 3 58 |
| S 11 | 23 28 | 6 20 | 4 38 | 21 58 | 1 34 | 16 12 | 1 49 | 18 34 | 1 12 | 7 4 | 1 15 | 7 0 | 2 36 | 22 25 | 0 31 | 7 36 | 1 11 | 5 31 | 16 33 | 19 47 | 19 29 | 22 52 | 2 46 | 3 59 |
| S 12 | 23 30 | 11 53 | 5 3 | 21 40 | 1 53 | 16 33 | 1 47 | 18 21 | 1 11 | 7 7 | 1 15 | 7 0 | 2 35 | 22 25 | 0 31 | 7 36 | 1 11 | 5 31 | 16 33 | 19 48 | 19 30 | 22 50 | 2 47 | 3 59 |
| M13 | 23 32 | 16 48 | 5 12 | 21 22 | 2 11 | 16 54 | 1 45 | 18 7 | 1 11 | 7 10 | 1 15 | 7 0 | 2 35 | 22 26 | 0 31 | 7 36 | 1 11 | 5 31 | 16 32 | 19 49 | 19 31 | 22 48 | 2 49 | 3 59 |
| T 14 | 23 33 | 20 53 | 5 5 | 21 6 | 2 27 | 17 14 | 1 44 | 17 53 | 1 10 | 7 13 | 1 16 | 7 0 | 2 35 | 22 26 | 0 31 | 7 36 | 1 12 | 5 30 | 16 32 | 19 50 | 19 31 | 22 46 | 2 50 | 3 59 |
| W15 | 23 33 | 23 59 | 4 44 | 20 51 | 2 41 | 17 33 | 1 42 | 17 38 | 1 9 | 7 16 | 1 16 | 7 0 | 2 35 | 22 27 | 0 31 | 7 36 | 1 12 | 5 30 | 16 32 | 19 51 | 19 32 | 22 44 | 2 51 | 3 59 |
| T 16 | 23 33 | 25 56 | 4 11 | 20 37 | 2 53 | 17 52 | 1 40 | 17 24 | 1 9 | 7 19 | 1 16 | 7 0 | 2 34 | 22 27 | 0 31 | 7 36 | 1 12 | 5 30 | 16 31 | 19 53 | 19 33 | 22 42 | 2 53 | 4 0 |
| F 17 | 23 33 | 26 38 | 3 26 | 20 25 | 3 3 | 18 11 | 1 38 | 17 9 | 1 8 | 7 22 | 1 16 | 7 0 | 2 34 | 22 27 | 0 32 | 7 36 | 1 12 | 5 30 | 16 31 | 19 54 | 19 33 | 22 40 | 2 54 | 4 0 |
| S 18 | 23 32 | 26 5 | 2 33 | 20 15 | 3 10 | 18 29 | 1 36 | 16 55 | 1 7 | 7 24 | 1 16 | 7 0 | 2 34 | 22 28 | 0 32 | 7 36 | 1 12 | 5 30 | 16 31 | 19 55 | 19 34 | 22 38 | 2 55 | 4 0 |
| S 19 | 23 31 | 24 20 | 1 33 | 20 7 | 3 15 | 18 47 | 1 34 | 16 40 | 1 7 | 7 27 | 1 16 | 7 1 | 2 33 | 22 28 | 0 32 | 7 36 | 1 12 | 5 29 | 16 30 | 19 56 | 19 35 | 22 36 | 2 56 | 4 0 |
| M20 | 23 29 | 21 32 | 0 30 | 20 1 | 3 17 | 19 5 | 1 32 | 16 25 | 1 6 | 7 30 | 1 17 | 7 1 | 2 33 | 22 29 | 0 32 | 7 37 | 1 12 | 5 29 | 16 30 | 19 56 | 19 36 | 22 34 | 2 57 | 4 1 |
| T 21 | 23 27 | 17 50 | 0n35 | 19 58 | 3 17 | 19 21 | 1 29 | 16 9 | 1 6 | 7 32 | 1 17 | 7 1 | 2 33 | 22 29 | 0 32 | 7 37 | 1 12 | 5 29 | 16 30 | 19 56 | 19 36 | 22 32 | 2 58 | 4 1 |
| W22 | 23 24 | 13 27 | 1 39 | 19 58 | 3 16 | 19 38 | 1 27 | 15 54 | 1 5 | 7 35 | 1 17 | 7 1 | 2 32 | 22 29 | 0 32 | 7 37 | 1 12 | 5 29 | 16 29 | 19 56 | 19 37 | 22 30 | 2 59 | 4 1 |
| T 23 | 23 21 | 8 32 | 2 38 | 19 59 | 3 12 | 19 53 | 1 25 | 15 38 | 1 4 | 7 38 | 1 17 | 7 2 | 2 32 | 22 30 | 0 32 | 7 37 | 1 12 | 5 29 | 16 29 | 19 55 | 19 38 | 22 28 | 3 0 | 4 1 |
| F 24 | 23 17 | 3 15 | 3 32 | 20 3 | 3 8 | 20 8 | 1 22 | 15 23 | 1 4 | 7 40 | 1 17 | 7 2 | 2 32 | 22 30 | 0 32 | 7 37 | 1 12 | 5 28 | 16 29 | 19 55 | 19 39 | 22 26 | 3 1 | 4 2 |
| S 25 | 23 13 | 2n14 | 4 17 | 20 8 | 3 2 | 20 23 | 1 20 | 15 7 | 1 3 | 7 42 | 1 18 | 7 3 | 2 32 | 22 31 | 0 32 | 7 38 | 1 12 | 5 28 | 16 28 | 19 54 | 19 39 | 22 24 | 3 2 | 4 2 |
| S 26 | 23 8 | 7 46 | 4 51 | 20 16 | 2 55 | 20 37 | 1 18 | 14 51 | 1 2 | 7 45 | 1 18 | 7 3 | 2 31 | 22 31 | 0 32 | 7 38 | 1 12 | 5 28 | 16 28 | 19 54 | 19 40 | 22 22 | 3 2 | 4 2 |
| M27 | 23 3 | 13 7 | 5 11 | 20 24 | 2 47 | 20 51 | 1 15 | 14 35 | 1 1 | 7 47 | 1 18 | 7 4 | 2 31 | 22 31 | 0 32 | 7 38 | 1 12 | 5 28 | 16 28 | 19 54 | 19 41 | 22 20 | 3 3 | 4 2 |
| T 28 | 22 57 | 18 4 | 5 16 | 20 34 | 2 39 | 21 4 | 1 13 | 14 19 | 1 1 | 7 49 | 1 18 | 7 4 | 2 31 | 22 32 | 0 32 | 7 38 | 1 12 | 5 27 | 16 27 | 19 55 | 19 42 | 22 18 | 3 4 | 4 2 |
| W29 | 22 51 | 22 14 | 5 3 | 20 44 | 2 30 | 21 16 | 1 10 | 14 2 | 1 0 | 7 51 | 1 18 | 7 5 | 2 30 | 22 32 | 0 32 | 7 39 | 1 12 | 5 27 | 16 27 | 19 55 | 19 42 | 22 16 | 3 4 | 4 3 |
| T 30 | 22 45 | 25 13 | 4 31 | 20 55 | 2 21 | 21 28 | 1 8 | 13 46 | 0 59 | 7 54 | 1 19 | 7 5 | 2 30 | 22 33 | 0 32 | 7 39 | 1 12 | 5 27 | 16 27 | 19 56 | 19 43 | 22 14 | 3 5 | 4 3 |
| F 31 | 22s38 | 26n37 | 3n40 | 21s 7 | 2n12 | 21s39 | 1n 5 | 13s29 | 0s59 | 7s56 | 1n19 | 7n 6 | 2s30 | 22n33 | 0n32 | 7n39 | 1n12 | 5s26 | 16s26 | 19s56 | 19s44 | 22s12 | 3s 5 | 4s 3 |

Julian Day Number = 2128645.5, Delta T = 16m53s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'54, Lahiri = 11°31'55 Julian Calendar 1 Dec. 1115 == Greg. Calendar 8 Dec. 1115


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## JANUARY 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 4 4 | 16♉38'47 | 2♋26 | 22♐41 | 16♐22 | 27♒47 | 23♎32 | 24♈12 | 20°R10 | 13°R25 | 25°R25 | 1°R25 | 2♒19 | 23♉54 | 28♍27 | S 1 |
| S 2 | 7 8 0 | 17°39'51 | 17°39 | 23°27 | 17°36 | 28°33 | 23°38 | 24°13 | 20♋ 7 | 13♍25 | 25♈25 | 1♒24 | 2°16 | 24° 1 | 28°28 | S 2 |
| M 3 | 7 11 57 | 18°40'54 | 2♌53 | 24°18 | 18°51 | 29°19 | 23°44 | 24°15 | 20° 5 | 13°24 | 25°D25 | 1°D23 | 2°12 | 24° 8 | 28°28 | M 3 |
| T 4 | 7 15 53 | 19°41'56 | 17°59 | 25°12 | 20° 5 | 0♓ 6 | 23°49 | 24°16 | 20° 2 | 13°23 | 25°25 | 1°24 | 2° 9 | 24°14 | 28°28 | T 4 |
| W 5 | 7 19 50 | 20°42'58 | 2♍48 | 26°10 | 21°19 | 0°52 | 23°55 | 24°18 | 20° 0 | 13°22 | 25°25 | 1°25 | 2° 6 | 24°21 | 28°29 | W 5 |
| T 6 | 7 23 46 | 21°43'59 | 17°14 | 27°11 | 22°34 | 1°38 | 24° 0 | 24°20 | 19°57 | 13°21 | 25°25 | 1°25 | 2° 3 | 24°28 | 28°R29 | T 6 |
| F 7 | 7 27 43 | 22°44'59 | 1♎15 | 28°14 | 23°48 | 2°24 | 24° 5 | 24°22 | 19°54 | 13°20 | 25°25 | 1°26 | 2° 0 | 24°34 | 28°29 | F 7 |
| S 8 | 7 31 40 | 23°45'58 | 14°49 | 29°20 | 25° 2 | 3°11 | 24°10 | 24°24 | 19°52 | 13°19 | 25°26 | 1°27 | 1°56 | 24°41 | 28°29 | S 8 |
| S 9 | 7 35 36 | 24°46'57 | 27°58 | 0♏28 | 26°17 | 3°57 | 24°14 | 24°26 | 19°49 | 13°18 | 25°26 | 1°R27 | 1°53 | 24°48 | 28°28 | S 9 |
| M10 | 7 39 33 | 25°47'56 | 10♏45 | 1°38 | 27°31 | 4°43 | 24°19 | 24°28 | 19°46 | 13°17 | 25°26 | 1°27 | 1°50 | 24°54 | 28°28 | M10 |
| T 11 | 7 43 29 | 26°48'53 | 23°14 | 2°50 | 28°45 | 5°29 | 24°23 | 24°30 | 19°44 | 13°16 | 25°26 | 1°26 | 1°47 | 25° 1 | 28°27 | T 11 |
| W12 | 7 47 26 | 27°49'50 | 5♐27 | 4° 4 | 29°59 | 6°15 | 24°27 | 24°33 | 19°41 | 13°15 | 25°26 | 1°26 | 1°44 | 25° 8 | 28°27 | W12 |
| T 13 | 7 51 22 | 28°50'46 | 17°30 | 5°19 | 1♏14 | 7° 1 | 24°31 | 24°35 | 19°39 | 13°14 | 25°26 | 1°25 | 1°41 | 25°14 | 28°26 | T 13 |
| F 14 | 7 55 19 | 29°51'41 | 29°24 | 6°36 | 2°29 | 7°48 | 24°35 | 24°38 | 19°36 | 13°13 | 25°27 | 1°25 | 1°37 | 25°21 | 28°25 | F 14 |
| S 15 | 7 59 16 | 0♒52'35 | 11♏14 | 7°55 | 3°43 | 8°34 | 24°39 | 24°41 | 19°34 | 13°12 | 25°27 | 1°25 | 1°34 | 25°27 | 28°24 | S 15 |
| S 16 | 8 3 12 | 1°53'27 | 23° 1 | 9°14 | 4°57 | 9°20 | 24°42 | 24°44 | 19°31 | 13°11 | 25°27 | 1°D25 | 1°31 | 25°34 | 28°23 | S 16 |
| M17 | 8 7 9 | 2°54'19 | 4♒49 | 10°35 | 6°12 | 10° 6 | 24°45 | 24°47 | 19°28 | 13°10 | 25°27 | 1°R25 | 1°28 | 25°41 | 28°22 | M17 |
| T 18 | 8 11 5 | 3°55'09 | 16°38 | 11°57 | 7°26 | 10°52 | 24°48 | 24°50 | 19°26 | 13° 9 | 25°28 | 1°25 | 1°25 | 25°47 | 28°21 | T 18 |
| W19 | 8 15 2 | 4°55'58 | 28°31 | 13°20 | 8°41 | 11°38 | 24°51 | 24°53 | 19°23 | 13° 8 | 25°28 | 1°24 | 1°22 | 25°54 | 28°19 | W19 |
| T 20 | 8 18 58 | 5°56'46 | 10♓31 | 14°45 | 9°55 | 12°23 | 24°54 | 24°56 | 19°21 | 13° 6 | 25°28 | 1°24 | 1°18 | 26° 1 | 28°18 | T 20 |
| F 21 | 8 22 55 | 6°57'31 | 22°40 | 16°10 | 11°10 | 13° 9 | 24°57 | 24°59 | 19°19 | 13° 5 | 25°29 | 1°23 | 1°15 | 26° 7 | 28°16 | F 21 |
| S 22 | 8 26 51 | 7°58'16 | 5♈ 1 | 17°36 | 12°24 | 13°55 | 24°59 | 25° 3 | 19°16 | 13° 4 | 25°29 | 1°22 | 1°12 | 26°14 | 28°14 | S 22 |
| S 23 | 8 30 48 | 8°58'59 | 17°36 | 19° 4 | 13°38 | 14°41 | 25° 1 | 25° 6 | 19°14 | 13° 2 | 25°30 | 1°22 | 1° 9 | 26°21 | 28°12 | S 23 |
| M24 | 8 34 44 | 9°59'40 | 0♉29 | 20°32 | 14°53 | 15°27 | 25° 3 | 25°10 | 19°11 | 13° 1 | 25°30 | 1°21 | 1° 6 | 26°27 | 28°10 | M24 |
| T 25 | 8 38 41 | 11° 0'19 | 13°43 | 22° 1 | 16° 7 | 16°13 | 25° 5 | 25°14 | 19° 9 | 13° 0 | 25°31 | 1°D21 | 1° 2 | 26°34 | 28° 8 | T 25 |
| W26 | 8 42 38 | 12° 0'57 | 27°20 | 23°31 | 17°22 | 16°58 | 25° 6 | 25°18 | 19° 6 | 12°58 | 25°31 | 1°21 | 0°59 | 26°41 | 28° 6 | W26 |
| T 27 | 8 46 34 | 13° 1'32 | 11♊21 | 25° 2 | 18°36 | 17°44 | 25° 8 | 25°22 | 19° 4 | 12°57 | 25°32 | 1°22 | 0°56 | 26°47 | 28° 4 | T 27 |
| F 28 | 8 50 31 | 14° 2'07 | 25°47 | 26°34 | 19°51 | 18°30 | 25° 9 | 25°26 | 19° 2 | 12°56 | 25°32 | 1°23 | 0°53 | 26°54 | 28° 1 | F 28 |
| S 29 | 8 54 27 | 15° 2'39 | 10♋33 | 28° 7 | 21° 5 | 19°15 | 25°10 | 25°30 | 19° 0 | 12°54 | 25°33 | 1°24 | 0°50 | 27° 1 | 27°59 | S 29 |
| S 30 | 8 58 24 | 16° 3'09 | 25°35 | 29°41 | 22°20 | 20° 1 | 25°11 | 25°34 | 18°57 | 12°53 | 25°33 | 1°R25 | 0°47 | 27° 7 | 27°56 | S 30 |
| M31 | 9 2 20 | 17♒ 3'38 | 10♌44 | 1♒16 | 23♉34 | 20♓46 | 25♎12 | 25♈38 | 18♋55 | 12♍51 | 25♈34 | 1♒25 | 0♒43 | 27♉14 | 27♍54 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s31 | 26n 6 | 2n34 | 21s19 | 2n 2 | 21s49 | 1n 2 | 13s13 | 0s58 | 7s58 | 1n19 | 7n 7 | 2s29 | 22n33 | 0n32 | 7n40 | 1n12 | 5s26 | 16s26 | 19s56 | 19s44 | 22s10 | 3s 6 | 4s 3 | |
| S 2 | 22 23 | 23 38 | 1 16 | 21 31 | 1 53 | 21 59 | 1 0 | 12 56 | 0 57 | 8 0 | 1 19 | 7 8 | 2 29 | 22 34 | 0 32 | 7 40 | 1 12 | 5 26 | 16 25 | 19 57 | 19 45 | 22 8 | 3 6 | 4 3 | |
| M 3 | 22 15 | 19 28 | 0s 8 | 21 43 | 1 43 | 22 8 | 0 57 | 12 39 | 0 57 | 8 1 | 1 19 | 7 8 | 2 29 | 22 34 | 0 32 | 7 40 | 1 12 | 5 26 | 16 25 | 19 57 | 19 46 | 22 6 | 3 7 | 4 4 | |
| T 4 | 22 6 | 14 4 | 1 31 | 21 55 | 1 33 | 22 17 | 0 54 | 12 22 | 0 56 | 8 3 | 1 20 | 7 9 | 2 28 | 22 35 | 0 32 | 7 41 | 1 13 | 5 25 | 16 25 | 19 57 | 19 47 | 22 4 | 3 7 | 4 4 | |
| W 5 | 21 57 | 7 57 | 2 46 | 22 7 | 1 23 | 22 25 | 0 52 | 12 5 | 0 55 | 8 5 | 1 20 | 7 10 | 2 28 | 22 35 | 0 32 | 7 41 | 1 13 | 5 25 | 16 24 | 19 57 | 19 47 | 22 2 | 3 7 | 4 4 | |
| T 6 | 21 47 | 1 34 | 3 48 | 22 18 | 1 13 | 22 32 | 0 49 | 11 48 | 0 55 | 8 7 | 1 20 | 7 11 | 2 28 | 22 35 | 0 32 | 7 41 | 1 13 | 5 24 | 16 24 | 19 56 | 19 48 | 22 0 | 3 7 | 4 4 | |
| F 7 | 21 38 | 4s42 | 4 35 | 22 29 | 1 4 | 22 39 | 0 46 | 11 30 | 0 54 | 8 8 | 1 20 | 7 12 | 2 28 | 22 36 | 0 32 | 7 42 | 1 13 | 5 24 | 16 24 | 19 56 | 19 49 | 21 58 | 3 8 | 4 4 | |
| S 8 | 21 27 | 10 32 | 5 5 | 22 39 | 0 54 | 22 44 | 0 43 | 11 13 | 0 53 | 8 10 | 1 21 | 7 13 | 2 27 | 22 36 | 0 32 | 7 42 | 1 13 | 5 24 | 16 23 | 19 56 | 19 49 | 21 56 | 3 8 | 4 5 | |
| S 9 | 21 16 | 15 44 | 5 17 | 22 48 | 0 45 | 22 50 | 0 40 | 10 55 | 0 52 | 8 11 | 1 21 | 7 14 | 2 27 | 22 36 | 0 32 | 7 43 | 1 13 | 5 23 | 16 23 | 19 56 | 19 50 | 21 54 | 3 8 | 4 5 | |
| M10 | 21 5 | 20 5 | 5 14 | 22 57 | 0 36 | 22 54 | 0 38 | 10 38 | 0 52 | 8 13 | 1 21 | 7 15 | 2 27 | 22 37 | 0 32 | 7 43 | 1 13 | 5 23 | 16 23 | 19 56 | 19 51 | 21 52 | 3 8 | 4 5 | |
| T 11 | 20 54 | 23 26 | 4 55 | 23 5 | 0 26 | 22 58 | 0 35 | 10 20 | 0 51 | 8 14 | 1 21 | 7 16 | 2 26 | 22 37 | 0 32 | 7 43 | 1 13 | 5 23 | 16 22 | 19 56 | 19 52 | 21 50 | 3 8 | 4 5 | |
| W12 | 20 42 | 25 38 | 4 24 | 23 12 | 0 18 | 23 1 | 0 32 | 10 2 | 0 50 | 8 16 | 1 21 | 7 18 | 2 26 | 22 38 | 0 32 | 7 44 | 1 13 | 5 22 | 16 22 | 19 56 | 19 52 | 21 48 | 3 8 | 4 5 | |
| T 13 | 20 29 | 26 38 | 3 41 | 23 18 | 0 9 | 23 4 | 0 29 | 9 44 | 0 50 | 8 17 | 1 22 | 7 19 | 2 26 | 22 38 | 0 32 | 7 44 | 1 13 | 5 22 | 16 22 | 19 56 | 19 53 | 21 46 | 3 8 | 4 6 | |
| F 14 | 20 17 | 26 22 | 2 49 | 23 23 | 0 0 | 23 6 | 0 26 | 9 27 | 0 49 | 8 18 | 1 22 | 7 20 | 2 26 | 22 38 | 0 32 | 7 45 | 1 13 | 5 21 | 16 21 | 19 56 | 19 54 | 21 44 | 3 7 | 4 6 | |
| S 15 | 20 4 | 24 54 | 1 50 | 23 27 | 0s 8 | 23 7 | 0 24 | 9 9 | 0 48 | 8 19 | 1 22 | 7 21 | 2 25 | 22 39 | 0 32 | 7 45 | 1 13 | 5 21 | 16 21 | 19 56 | 19 54 | 21 41 | 3 7 | 4 6 | |
| S 16 | 19 50 | 22 21 | 0 47 | 23 30 | 0 16 | 23 7 | 0 21 | 8 51 | 0 47 | 8 20 | 1 22 | 7 23 | 2 25 | 22 39 | 0 32 | 7 46 | 1 13 | 5 21 | 16 20 | 19 56 | 19 55 | 21 39 | 3 7 | 4 6 | |
| M17 | 19 36 | 18 51 | 0n19 | 23 32 | 0 24 | 23 7 | 0 18 | 8 32 | 0 47 | 8 21 | 1 23 | 7 24 | 2 25 | 22 39 | 0 32 | 7 46 | 1 13 | 5 20 | 16 20 | 19 56 | 19 56 | 21 37 | 3 7 | 4 6 | |
| T 18 | 19 22 | 14 36 | 1 24 | 23 33 | 0 32 | 23 6 | 0 15 | 8 14 | 0 46 | 8 22 | 1 23 | 7 25 | 2 24 | 22 40 | 0 32 | 7 47 | 1 13 | 5 20 | 16 20 | 19 56 | 19 57 | 21 35 | 3 6 | 4 6 | |
| W19 | 19 7 | 9 46 | 2 25 | 23 32 | 0 39 | 23 4 | 0 12 | 7 56 | 0 45 | 8 23 | 1 23 | 7 27 | 2 24 | 22 40 | 0 32 | 7 47 | 1 13 | 5 19 | 16 19 | 19 57 | 19 57 | 21 33 | 3 6 | 4 7 | |
| T 20 | 18 53 | 4 34 | 3 21 | 23 30 | 0 46 | 23 1 | 0 9 | 7 38 | 0 45 | 8 24 | 1 23 | 7 28 | 2 24 | 22 41 | 0 32 | 7 48 | 1 13 | 5 19 | 16 19 | 19 57 | 19 58 | 21 31 | 3 5 | 4 7 | |
| F 21 | 18 37 | 0n52 | 4 8 | 23 27 | 0 53 | 22 58 | 0 7 | 7 19 | 0 44 | 8 24 | 1 24 | 7 30 | 2 24 | 22 41 | 0 32 | 7 48 | 1 13 | 5 18 | 16 19 | 19 57 | 19 59 | 21 29 | 3 5 | 4 7 | |
| S 22 | 18 22 | 6 21 | 4 45 | 23 23 | 1 0 | 22 55 | 0 4 | 7 1 | 0 43 | 8 25 | 1 24 | 7 31 | 2 23 | 22 41 | 0 32 | 7 49 | 1 13 | 5 18 | 16 18 | 19 57 | 19 59 | 21 27 | 3 4 | 4 7 | |
| S 23 | 18 6 | 11 41 | 5 9 | 23 17 | 1 6 | 22 50 | 0 1 | 6 43 | 0 42 | 8 26 | 1 24 | 7 33 | 2 23 | 22 42 | 0 32 | 7 49 | 1 13 | 5 17 | 16 18 | 19 57 | 20 0 | 21 25 | 3 4 | 4 7 | |
| M24 | 17 50 | 16 39 | 5 18 | 23 10 | 1 12 | 22 45 | 0s 2 | 6 24 | 0 42 | 8 26 | 1 24 | 7 34 | 2 23 | 22 42 | 0 32 | 7 50 | 1 13 | 5 17 | 16 18 | 19 57 | 20 1 | 21 22 | 3 3 | 4 7 | |
| T 25 | 17 33 | 20 57 | 5 10 | 23 2 | 1 18 | 22 39 | 0 4 | 6 6 | 0 41 | 8 27 | 1 24 | 7 36 | 2 22 | 22 42 | 0 32 | 7 50 | 1 13 | 5 16 | 16 17 | 19 57 | 20 1 | 21 20 | 3 2 | 4 7 | |
| W26 | 17 16 | 24 17 | 4 46 | 22 52 | 1 24 | 22 32 | 0 7 | 5 47 | 0 40 | 8 27 | 1 25 | 7 38 | 2 22 | 22 43 | 0 32 | 7 51 | 1 13 | 5 16 | 16 17 | 19 57 | 20 2 | 21 18 | 3 1 | 4 8 | |
| T 27 | 16 59 | 26 16 | 4 4 | 22 41 | 1 29 | 22 25 | 0 10 | 5 29 | 0 39 | 8 27 | 1 25 | 7 39 | 2 22 | 22 43 | 0 32 | 7 51 | 1 13 | 5 15 | 16 17 | 19 57 | 20 3 | 21 16 | 3 1 | 4 8 | |
| F 28 | 16 42 | 26 34 | 3 5 | 22 29 | 1 34 | 22 17 | 0 12 | 5 10 | 0 39 | 8 28 | 1 25 | 7 41 | 2 22 | 22 43 | 0 32 | 7 52 | 1 13 | 5 15 | 16 16 | 19 57 | 20 3 | 21 14 | 3 0 | 4 8 | |
| S 29 | 16 24 | 25 1 | 1 53 | 22 15 | 1 39 | 22 8 | 0 15 | 4 51 | 0 38 | 8 28 | 1 25 | 7 43 | 2 21 | 22 44 | 0 32 | 7 53 | 1 13 | 5 14 | 16 16 | 19 57 | 20 4 | 21 12 | 2 59 | 4 8 | |
| S 30 | 16 6 | 21 40 | 0 32 | 22 0 | 1 43 | 21 59 | 0 18 | 4 33 | 0 37 | 8 28 | 1 26 | 7 45 | 2 21 | 22 44 | 0 32 | 7 53 | 1 13 | 5 14 | 16 16 | 19 57 | 20 5 | 21 10 | 2 58 | 4 8 | |
| M31 | 15s48 | 16n48 | 0s51 | 21s43 | 1s47 | 21s49 | 0s20 | 4s14 | 0s37 | 8s28 | 1n26 | 7n46 | 2s21 | 22n44 | 0n32 | 7n54 | 1n14 | 5s13 | 16s15 | 19s57 | 20s 6 | 21s 7 | 2s57 | 4s 8 | |

Julian Day Number = 2128676.5, Delta T = 16m53s
Ecliptic obliquity = 23°33'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°24'58, Lahiri = 11°31'59 Julian Calendar 1 Jan. 1116 == Greg. Calendar 8 Jan. 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## FEBRUARY 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 6 17 | 18♒ 4'05 | 25♌53 | 2♒51 | 24♉48 | 21♓32 | 25♎12 | 25♈43 | 18°R53 | 12°R50 | 25♈34 | 1°R24 | 0♒40 | 27♉20 | 27°R51 | T 1 |
| W 2 | 9 10 14 | 19° 4'30 | 10♍50 | 4°28 | 26° 3 | 22°17 | 25°13 | 25°47 | 18♋51 | 12♍48 | 25°35 | 1♒22 | 0°37 | 27°27 | 27♍48 | W 2 |
| T 3 | 9 14 10 | 20° 4'54 | 25°28 | 6° 5 | 27°17 | 23° 2 | 25°R13 | 25°52 | 18°49 | 12°47 | 25°36 | 1°19 | 0°34 | 27°34 | 27°45 | T 3 |
| F 4 | 9 18 7 | 21° 5'16 | 9♎42 | 7°44 | 28°32 | 23°48 | 25°13 | 25°56 | 18°46 | 12°45 | 25°36 | 1°17 | 0°31 | 27°40 | 27°42 | F 4 |
| S 5 | 9 22 3 | 22° 5'37 | 23°28 | 9°23 | 29°46 | 24°33 | 25°12 | 26° 1 | 18°44 | 12°44 | 25°37 | 1°14 | 0°28 | 27°47 | 27°39 | S 5 |
| S 6 | 9 26 0 | 23° 5'56 | 6♏46 | 11° 4 | 1♒ 1 | 25°18 | 25°12 | 26° 6 | 18°42 | 12°42 | 25°38 | 1°12 | 0°24 | 27°54 | 27°36 | S 6 |
| M 7 | 9 29 56 | 24° 6'14 | 19°38 | 12°45 | 2°15 | 26° 4 | 25°11 | 26°11 | 18°40 | 12°41 | 25°38 | 1°D11 | 0°21 | 28° 0 | 27°32 | M 7 |
| T 8 | 9 33 53 | 25° 6'30 | 2♐ 8 | 14°27 | 3°30 | 26°49 | 25°11 | 26°16 | 18°38 | 12°39 | 25°39 | 1°11 | 0°18 | 28° 7 | 27°29 | T 8 |
| W 9 | 9 37 49 | 26° 6'45 | 14°20 | 16°11 | 4°44 | 27°34 | 25°10 | 26°21 | 18°36 | 12°38 | 25°40 | 1°13 | 0°15 | 28°14 | 27°25 | W 9 |
| T 10 | 9 41 46 | 27° 6'58 | 26°19 | 17°55 | 5°58 | 28°19 | 25° 8 | 26°26 | 18°35 | 12°36 | 25°41 | 1°14 | 0°12 | 28°20 | 27°22 | T 10 |
| F 11 | 9 45 43 | 28° 7'10 | 8♑ 9 | 19°41 | 7°13 | 29° 4 | 25° 7 | 26°31 | 18°33 | 12°35 | 25°41 | 1°16 | 0° 8 | 28°27 | 27°18 | F 11 |
| S 12 | 9 49 39 | 29° 7'20 | 19°55 | 21°27 | 8°27 | 29°49 | 25° 5 | 26°36 | 18°31 | 12°33 | 25°42 | 1°18 | 0° 5 | 28°34 | 27°15 | S 12 |
| S 13 | 9 53 36 | 0♓ 7'28 | 1♒42 | 23°15 | 9°42 | 0♈34 | 25° 4 | 26°42 | 18°29 | 12°31 | 25°43 | 1°R18 | 0° 2 | 28°40 | 27°11 | S 13 |
| M14 | 9 57 32 | 1° 7'35 | 13°31 | 25° 4 | 10°56 | 1°19 | 25° 2 | 26°47 | 18°27 | 12°30 | 25°44 | 1°17 | 29♑59 | 28°47 | 27° 7 | M14 |
| T 15 | 10 1 29 | 2° 7'39 | 25°26 | 26°53 | 12°11 | 2° 4 | 25° 0 | 26°53 | 18°26 | 12°28 | 25°45 | 1°15 | 29°56 | 28°53 | 27° 3 | T 15 |
| W16 | 10 5 25 | 3° 7'42 | 7♓29 | 28°44 | 13°25 | 2°49 | 24°57 | 26°58 | 18°24 | 12°27 | 25°46 | 1°11 | 29°53 | 29° 0 | 26°59 | W16 |
| T 17 | 10 9 22 | 4° 7'42 | 19°42 | 0♓36 | 14°39 | 3°34 | 24°55 | 27° 4 | 18°22 | 12°25 | 25°47 | 1° 6 | 29°49 | 29° 7 | 26°55 | T 17 |
| F 18 | 10 13 18 | 5° 7'41 | 2♈ 5 | 2°29 | 15°54 | 4°19 | 24°52 | 27°10 | 18°21 | 12°23 | 25°48 | 1° 0 | 29°46 | 29°13 | 26°51 | F 18 |
| S 19 | 10 17 15 | 6° 7'38 | 14°39 | 4°23 | 17° 8 | 5° 3 | 24°49 | 27°15 | 18°19 | 12°22 | 25°48 | 0°54 | 29°43 | 29°20 | 26°47 | S 19 |
| S 20 | 10 21 11 | 7° 7'32 | 27°27 | 6°18 | 18°23 | 5°48 | 24°46 | 27°21 | 18°18 | 12°20 | 25°49 | 0°48 | 29°40 | 29°27 | 26°42 | S 20 |
| M21 | 10 25 8 | 8° 7'24 | 10♉28 | 8°14 | 19°37 | 6°33 | 24°43 | 27°27 | 18°16 | 12°18 | 25°50 | 0°43 | 29°37 | 29°33 | 26°38 | M21 |
| T 22 | 10 29 5 | 9° 7'14 | 23°45 | 10°11 | 20°51 | 7°17 | 24°40 | 27°33 | 18°15 | 12°17 | 25°51 | 0°40 | 29°33 | 29°40 | 26°34 | T 22 |
| W23 | 10 33 1 | 10° 7'02 | 7♊18 | 12° 8 | 22° 6 | 8° 2 | 24°36 | 27°39 | 18°14 | 12°15 | 25°52 | 0°D39 | 29°30 | 29°47 | 26°30 | W23 |
| T 24 | 10 36 58 | 11° 6'48 | 21° 8 | 14° 7 | 23°20 | 8°46 | 24°32 | 27°45 | 18°12 | 12°13 | 25°53 | 0°40 | 29°27 | 29°53 | 26°25 | T 24 |
| F 25 | 10 40 54 | 12° 6'31 | 5♋16 | 16° 6 | 24°35 | 9°31 | 24°28 | 27°51 | 18°11 | 12°12 | 25°54 | 0°41 | 29°24 | 29°59 | 26°21 | F 25 |
| S 26 | 10 44 51 | 13° 6'12 | 19°41 | 18° 5 | 25°49 | 10°15 | 24°24 | 27°58 | 18°10 | 12°10 | 25°55 | 0°42 | 29°21 | 0♒ 7 | 26°16 | S 26 |
| S 27 | 10 48 47 | 14° 5'50 | 4♌20 | 20° 5 | 27° 3 | 11° 0 | 24°20 | 28° 4 | 18° 9 | 12° 8 | 25°56 | 0°R42 | 29°18 | 0°13 | 26°12 | S 27 |
| M28 | 10 52 44 | 15° 5'26 | 19°10 | 22° 5 | 28°18 | 11°44 | 24°16 | 28°10 | 18° 8 | 12° 7 | 25°58 | 0°41 | 29°14 | 0°20 | 26° 7 | M28 |
| T 29 | 10 56 40 | 16♓ 5'00 | 4♍ 2 | 24♓ 5 | 29♒32 | 12♈28 | 24♎11 | 28♈17 | 18♋ 7 | 12♍ 5 | 25♈59 | 0♒38 | 29♑11 | 0♒27 | 26♍ 3 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s29 | 10n54 | 2s11 | 21s25 | 1s51 | 21s39 | 0s23 | 3s55 | 0s36 | 8s28 | 1n26 | 7n48 | 2s21 | 22n45 | 0n32 | 7n54 | 1n14 | 5s13 | 16s15 | 19s57 | 20s 6 | 21s 5 | 2s56 | 4s 8 |
| W 2 | 15 11 | 4 26 | 3 21 | 21 5 | 1 54 | 21 27 | 0 25 | 3 37 | 0 35 | 8 28 | 1 26 | 7 50 | 2 20 | 22 45 | 0 32 | 7 55 | 1 14 | 5 12 | 16 15 | 19 57 | 20 7 | 21 3 | 2 55 | 4 8 |
| T 3 | 14 52 | 2s 7 | 4 16 | 20 44 | 1 57 | 21 16 | 0 28 | 3 18 | 0 34 | 8 28 | 1 27 | 7 52 | 2 20 | 22 45 | 0 32 | 7 56 | 1 14 | 5 12 | 16 14 | 19 58 | 20 8 | 21 1 | 2 54 | 4 8 |
| F 4 | 14 32 | 8 21 | 4 54 | 20 21 | 1 59 | 21 3 | 0 30 | 2 59 | 0 34 | 8 27 | 1 27 | 7 54 | 2 20 | 22 45 | 0 32 | 7 56 | 1 14 | 5 11 | 16 14 | 19 58 | 20 8 | 20 59 | 2 52 | 4 8 |
| S 5 | 14 13 | 14 0 | 5 13 | 19 57 | 2 2 | 20 50 | 0 33 | 2 41 | 0 33 | 8 27 | 1 27 | 7 56 | 2 20 | 22 46 | 0 32 | 7 57 | 1 14 | 5 11 | 16 14 | 19 59 | 20 9 | 20 56 | 2 51 | 4 8 |
| S 6 | 13 53 | 18 47 | 5 14 | 19 31 | 2 4 | 20 36 | 0 35 | 2 22 | 0 32 | 8 27 | 1 27 | 7 58 | 2 19 | 22 46 | 0 32 | 7 57 | 1 14 | 5 10 | 16 13 | 19 59 | 20 10 | 20 54 | 2 50 | 4 8 |
| M 7 | 13 33 | 22 32 | 5 0 | 19 4 | 2 5 | 20 22 | 0 38 | 2 3 | 0 31 | 8 26 | 1 27 | 8 0 | 2 19 | 22 46 | 0 32 | 7 58 | 1 14 | 5 10 | 16 13 | 19 59 | 20 10 | 20 52 | 2 49 | 4 8 |
| T 8 | 13 13 | 25 7 | 4 31 | 18 35 | 2 6 | 20 7 | 0 40 | 1 45 | 0 31 | 8 26 | 1 28 | 8 2 | 2 19 | 22 46 | 0 32 | 7 59 | 1 14 | 5 9 | 16 13 | 19 59 | 20 11 | 20 50 | 2 47 | 4 8 |
| W 9 | 12 52 | 26 27 | 3 51 | 18 5 | 2 7 | 19 51 | 0 42 | 1 26 | 0 30 | 8 25 | 1 28 | 8 4 | 2 19 | 22 47 | 0 32 | 7 59 | 1 14 | 5 9 | 16 12 | 19 59 | 20 12 | 20 48 | 2 46 | 4 8 |
| T 10 | 12 32 | 26 31 | 3 1 | 17 33 | 2 7 | 19 35 | 0 44 | 1 7 | 0 29 | 8 25 | 1 28 | 8 6 | 2 18 | 22 47 | 0 32 | 8 0 | 1 14 | 5 8 | 16 12 | 19 59 | 20 12 | 20 45 | 2 45 | 4 8 |
| F 11 | 12 11 | 25 22 | 2 4 | 16 59 | 2 6 | 19 18 | 0 47 | 0 48 | 0 29 | 8 24 | 1 28 | 8 8 | 2 18 | 22 47 | 0 32 | 8 0 | 1 14 | 5 8 | 16 12 | 19 58 | 20 13 | 20 43 | 2 43 | 4 8 |
| S 12 | 11 50 | 23 6 | 1 2 | 16 24 | 2 6 | 19 1 | 0 49 | 0 30 | 0 28 | 8 23 | 1 29 | 8 10 | 2 18 | 22 47 | 0 32 | 8 1 | 1 14 | 5 7 | 16 12 | 19 58 | 20 14 | 20 41 | 2 42 | 4 8 |
| S 13 | 11 29 | 19 51 | 0n 2 | 15 48 | 2 5 | 18 43 | 0 51 | 0 11 | 0 27 | 8 22 | 1 29 | 8 12 | 2 18 | 22 48 | 0 32 | 8 2 | 1 14 | 5 6 | 16 11 | 19 58 | 20 14 | 20 39 | 2 40 | 4 8 |
| M14 | 11 8 | 15 47 | 1 7 | 15 10 | 2 3 | 18 25 | 0 53 | 0n 7 | 0 26 | 8 21 | 1 29 | 8 14 | 2 17 | 22 48 | 0 32 | 8 2 | 1 14 | 5 6 | 16 11 | 19 58 | 20 15 | 20 37 | 2 38 | 4 8 |
| T 15 | 10 46 | 11 5 | 2 9 | 14 30 | 2 1 | 18 6 | 0 55 | 0 26 | 0 26 | 8 20 | 1 29 | 8 17 | 2 17 | 22 48 | 0 32 | 8 3 | 1 14 | 5 5 | 16 11 | 19 59 | 20 16 | 20 34 | 2 37 | 4 8 |
| W16 | 10 24 | 5 56 | 3 5 | 13 49 | 1 58 | 17 47 | 0 57 | 0 45 | 0 25 | 8 19 | 1 29 | 8 19 | 2 17 | 22 48 | 0 32 | 8 4 | 1 14 | 5 5 | 16 10 | 20 0 | 20 16 | 20 32 | 2 35 | 4 8 |
| T 17 | 10 3 | 0 31 | 3 54 | 13 6 | 1 55 | 17 27 | 0 59 | 1 3 | 0 24 | 8 18 | 1 30 | 8 21 | 2 17 | 22 49 | 0 32 | 8 4 | 1 14 | 5 4 | 16 10 | 20 1 | 20 17 | 20 30 | 2 34 | 4 8 |
| F 18 | 9 41 | 5n 0 | 4 33 | 12 22 | 1 51 | 17 7 | 1 0 | 1 22 | 0 23 | 8 17 | 1 30 | 8 23 | 2 17 | 22 49 | 0 32 | 8 5 | 1 14 | 5 4 | 16 10 | 20 2 | 20 18 | 20 28 | 2 32 | 4 8 |
| S 19 | 9 18 | 10 23 | 4 59 | 11 37 | 1 47 | 16 46 | 1 2 | 1 40 | 0 23 | 8 16 | 1 30 | 8 26 | 2 16 | 22 49 | 0 32 | 8 6 | 1 14 | 5 3 | 16 10 | 20 3 | 20 19 | 20 25 | 2 30 | 4 8 |
| S 20 | 8 56 | 15 26 | 5 11 | 10 50 | 1 42 | 16 24 | 1 4 | 1 59 | 0 22 | 8 14 | 1 30 | 8 28 | 2 16 | 22 49 | 0 32 | 8 6 | 1 14 | 5 2 | 16 9 | 20 5 | 20 19 | 20 23 | 2 28 | 4 8 |
| M21 | 8 34 | 19 53 | 5 7 | 10 1 | 1 37 | 16 3 | 1 6 | 2 17 | 0 21 | 8 13 | 1 30 | 8 30 | 2 16 | 22 49 | 0 32 | 8 7 | 1 14 | 5 2 | 16 9 | 20 6 | 20 20 | 20 21 | 2 27 | 4 8 |
| T 22 | 8 11 | 23 25 | 4 46 | 9 11 | 1 31 | 15 40 | 1 7 | 2 35 | 0 21 | 8 12 | 1 31 | 8 32 | 2 16 | 22 50 | 0 32 | 8 8 | 1 14 | 5 1 | 16 9 | 20 6 | 20 21 | 20 19 | 2 25 | 4 8 |
| W23 | 7 49 | 25 44 | 4 10 | 8 20 | 1 24 | 15 18 | 1 9 | 2 54 | 0 20 | 8 10 | 1 31 | 8 35 | 2 16 | 22 50 | 0 32 | 8 8 | 1 14 | 5 1 | 16 9 | 20 6 | 20 21 | 20 16 | 2 23 | 4 7 |
| T 24 | 7 26 | 26 33 | 3 18 | 7 28 | 1 17 | 14 55 | 1 10 | 3 12 | 0 19 | 8 9 | 1 31 | 8 37 | 2 15 | 22 50 | 0 32 | 8 9 | 1 14 | 5 0 | 16 8 | 20 6 | 20 22 | 20 14 | 2 21 | 4 7 |
| F 25 | 7 3 | 25 41 | 2 14 | 6 35 | 1 10 | 14 31 | 1 12 | 3 30 | 0 18 | 8 7 | 1 31 | 8 40 | 2 15 | 22 50 | 0 31 | 8 10 | 1 14 | 4 59 | 16 8 | 20 6 | 20 23 | 20 12 | 2 19 | 4 7 |
| S 26 | 6 40 | 23 5 | 1 0 | 5 40 | 1 2 | 14 7 | 1 13 | 3 48 | 0 18 | 8 5 | 1 31 | 8 42 | 2 15 | 22 50 | 0 31 | 8 10 | 1 14 | 4 59 | 16 8 | 20 6 | 20 23 | 20 9 | 2 17 | 4 7 |
| S 27 | 6 17 | 18 57 | 0s20 | 4 45 | 0 53 | 13 43 | 1 15 | 4 7 | 0 17 | 8 4 | 1 31 | 8 44 | 2 15 | 22 50 | 0 31 | 8 11 | 1 14 | 4 58 | 16 8 | 20 6 | 20 24 | 20 7 | 2 15 | 4 7 |
| M28 | 5 54 | 13 36 | 1 38 | 3 49 | 0 43 | 13 19 | 1 16 | 4 25 | 0 16 | 8 2 | 1 32 | 8 47 | 2 15 | 22 50 | 0 31 | 8 11 | 1 14 | 4 58 | 16 7 | 20 6 | 20 25 | 20 5 | 2 13 | 4 7 |
| T 29 | 5s31 | 7n26 | 2s50 | 2s53 | 0s34 | 12s54 | 1s17 | 4n43 | 0s16 | 8s 0 | 1n32 | 8n49 | 2s14 | 22n51 | 0n31 | 8n12 | 1n14 | 4s57 | 16s 7 | 20s 7 | 20s25 | 20s 3 | 2s11 | 4s 7 |

Julian Day Number = 2128707.5, Delta T = 16m52s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'03, Lahiri = 11°32'03 Julian Calendar 1 Feb. 1116 == Greg. Calendar 8 Feb. 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## MARCH 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 0 37 | 17♓ 4'32 | 18♍49 | 26♓ 4 | 0♓46 | 13♈12 | 24°R 6 | 28♈23 | 18°R 6 | 12°R 3 | 26♈ 0 | 0°R32 | 29♉ 8 | 0♒33 | 25°R58 | W 1 |
| T 2 | 11 4 34 | 18° 4'02 | 3♎24 | 28° 2 | 2° 0 | 13°57 | 24♎ 1 | 28°30 | 18♋ 5 | 12♍ 2 | 26° 1 | 0♒25 | 29° 5 | 0°40 | 25♍53 | T 2 |
| F 3 | 11 8 30 | 19° 3'29 | 17°39 | 29°59 | 3°15 | 14°41 | 23°56 | 28°36 | 18° 4 | 12° 0 | 26° 2 | 0°17 | 29° 2 | 0°46 | 25°49 | F 3 |
| S 4 | 11 12 27 | 20° 2'55 | 1♏29 | 1♈56 | 4°29 | 15°25 | 23°51 | 28°43 | 18° 3 | 11°58 | 26° 3 | 0° 9 | 28°59 | 0°53 | 25°44 | S 4 |
| S 5 | 11 16 23 | 21° 2'19 | 14°53 | 3°50 | 5°43 | 16° 9 | 23°46 | 28°50 | 18° 2 | 11°57 | 26° 4 | 0° 2 | 28°55 | 1° 0 | 25°39 | S 5 |
| M 6 | 11 20 20 | 22° 1'41 | 27°50 | 5°42 | 6°58 | 16°53 | 23°41 | 28°56 | 18° 2 | 11°55 | 26° 5 | 29♉57 | 28°52 | 1° 6 | 25°35 | M 6 |
| T 7 | 11 24 16 | 23° 1'02 | 10♐24 | 7°32 | 8°12 | 17°37 | 23°35 | 29° 3 | 18° 1 | 11°53 | 26° 7 | 29°54 | 28°49 | 1°13 | 25°30 | T 7 |
| W 8 | 11 28 13 | 24° 0'20 | 22°38 | 9°18 | 9°26 | 18°21 | 23°29 | 29°10 | 18° 0 | 11°52 | 26° 8 | 29°D53 | 28°46 | 1°20 | 25°25 | W 8 |
| T 9 | 11 32 9 | 24°59'37 | 4♉38 | 11° 1 | 10°40 | 19° 5 | 23°23 | 29°17 | 18° 0 | 11°50 | 26° 9 | 29°54 | 28°43 | 1°26 | 25°20 | T 9 |
| F 10 | 11 36 6 | 25°58'52 | 16°29 | 12°40 | 11°55 | 19°48 | 23°17 | 29°24 | 17°59 | 11°49 | 26°10 | 29°55 | 28°39 | 1°33 | 25°16 | F 10 |
| S 11 | 11 40 3 | 26°58'05 | 28°15 | 14°15 | 13° 9 | 20°32 | 23°11 | 29°31 | 17°59 | 11°47 | 26°11 | 29°R56 | 28°36 | 1°40 | 25°11 | S 11 |
| S 12 | 11 43 59 | 27°57'16 | 10♒ 3 | 15°45 | 14°23 | 21°16 | 23° 5 | 29°38 | 17°58 | 11°45 | 26°13 | 29°55 | 28°33 | 1°46 | 25° 6 | S 12 |
| M13 | 11 47 56 | 28°56'25 | 21°56 | 17°11 | 15°37 | 21°59 | 22°59 | 29°45 | 17°58 | 11°44 | 26°14 | 29°52 | 28°30 | 1°53 | 25° 1 | M13 |
| T 14 | 11 51 52 | 29°55'32 | 3♓58 | 18°31 | 16°52 | 22°43 | 22°52 | 29°52 | 17°57 | 11°42 | 26°15 | 29°47 | 28°27 | 2° 0 | 24°57 | T 14 |
| W15 | 11 55 49 | 0♈54'38 | 16°12 | 19°45 | 18° 6 | 23°27 | 22°46 | 29°59 | 17°57 | 11°41 | 26°16 | 29°40 | 28°24 | 2° 6 | 24°52 | W15 |
| T 16 | 11 59 45 | 1°53'41 | 28°39 | 20°54 | 19°20 | 24°10 | 22°39 | 0♉ 6 | 17°57 | 11°39 | 26°17 | 29°30 | 28°20 | 2°13 | 24°47 | T 16 |
| F 17 | 12 3 42 | 2°52'42 | 11♈20 | 21°57 | 20°34 | 24°54 | 22°32 | 0°13 | 17°57 | 11°38 | 26°19 | 29°19 | 28°17 | 2°19 | 24°43 | F 17 |
| S 18 | 12 7 38 | 3°51'41 | 24°15 | 22°53 | 21°48 | 25°37 | 22°25 | 0°20 | 17°57 | 11°36 | 26°20 | 29° 7 | 28°14 | 2°26 | 24°38 | S 18 |
| S 19 | 12 11 35 | 4°50'38 | 7♉23 | 23°44 | 23° 3 | 26°20 | 22°19 | 0°28 | 17°57 | 11°35 | 26°21 | 28°57 | 28°11 | 2°33 | 24°33 | S 19 |
| M20 | 12 15 32 | 5°49'33 | 20°43 | 24°28 | 24°17 | 27° 4 | 22°11 | 0°35 | 17°D57 | 11°33 | 26°23 | 28°48 | 28° 8 | 2°39 | 24°29 | M20 |
| T 21 | 12 19 28 | 6°48'26 | 4♊13 | 25° 5 | 25°31 | 27°47 | 22° 4 | 0°42 | 17°57 | 11°32 | 26°24 | 28°41 | 28° 5 | 2°46 | 24°24 | T 21 |
| W22 | 12 23 25 | 7°47'16 | 17°54 | 25°36 | 26°45 | 28°30 | 21°57 | 0°50 | 17°57 | 11°30 | 26°25 | 28°37 | 28° 1 | 2°53 | 24°20 | W22 |
| T 23 | 12 27 21 | 8°46'04 | 1♋45 | 26° 0 | 27°59 | 29°13 | 21°50 | 0°57 | 17°57 | 11°29 | 26°27 | 28°36 | 27°58 | 2°59 | 24°15 | T 23 |
| F 24 | 12 31 18 | 9°44'50 | 15°46 | 26°18 | 29°13 | 29°57 | 21°43 | 1° 4 | 17°57 | 11°27 | 26°28 | 28°D36 | 27°55 | 3° 6 | 24°11 | F 24 |
| S 25 | 12 35 14 | 10°43'33 | 29°56 | 26°29 | 0♈27 | 0♉40 | 21°35 | 1°12 | 17°57 | 11°26 | 26°29 | 28°R36 | 27°52 | 3°13 | 24° 6 | S 25 |
| S 26 | 12 39 11 | 11°42'14 | 14♌14 | 26°R34 | 1°41 | 1°23 | 21°28 | 1°19 | 17°58 | 11°25 | 26°30 | 28°35 | 27°49 | 3°19 | 24° 2 | S 26 |
| M27 | 12 43 7 | 12°40'53 | 28°39 | 26°32 | 2°56 | 2° 6 | 21°20 | 1°27 | 17°58 | 11°23 | 26°32 | 28°32 | 27°45 | 3°26 | 23°58 | M27 |
| T 28 | 12 47 4 | 13°39'29 | 13♍ 6 | 26°25 | 4°10 | 2°49 | 21°13 | 1°34 | 17°59 | 11°22 | 26°33 | 28°27 | 27°42 | 3°33 | 23°53 | T 28 |
| W29 | 12 51 0 | 14°38'03 | 27°30 | 26°12 | 5°24 | 3°31 | 21° 5 | 1°42 | 17°59 | 11°20 | 26°34 | 28°18 | 27°39 | 3°39 | 23°49 | W29 |
| T 30 | 12 54 57 | 15°36'35 | 11♎45 | 25°53 | 6°38 | 4°14 | 20°58 | 1°49 | 18° 0 | 11°19 | 26°36 | 28° 8 | 27°36 | 3°46 | 23°45 | T 30 |
| F 31 | 12 58 54 | 16♈35'06 | 25♎46 | 25♈30 | 7♈52 | 4♉57 | 20♎50 | 1♉57 | 18♋ 0 | 11♍18 | 26♈37 | 27♉56 | 27♉33 | 3♒52 | 23♍41 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 5s 8 | 0n55 | 3s51 | 1s56 | 0s23 | 12s28 | 1s18 | 5n 1 | 0s15 | 7s58 | 1n32 | 8n52 | 2s14 | 22n51 | 0n31 | 8n13 | 1n14 | 4s57 | 16s 7 | 20s 8 | 20s26 | 20s 0 | 2s 9 | 4s 6 | W 1 |
| T 2 | 4 44 | 5s33 | 4 35 | 0 58 | 0 13 | 12 3 | 1 19 | 5 18 | 0 14 | 7 56 | 1 32 | 8 54 | 2 14 | 22 51 | 0 31 | 8 13 | 1 14 | 4 56 | 16 7 | 20 10 | 20 26 | 19 58 | 2 7 | 4 6 | T 2 |
| F 3 | 4 21 | 11 34 | 5 0 | 0 1 | 0 1 | 11 37 | 1 20 | 5 36 | 0 14 | 7 54 | 1 32 | 8 57 | 2 14 | 22 51 | 0 31 | 8 14 | 1 14 | 4 55 | 16 6 | 20 11 | 20 27 | 19 56 | 2 5 | 4 6 | F 3 |
| S 4 | 3 58 | 16 51 | 5 8 | 0n56 | 0n10 | 11 10 | 1 21 | 5 54 | 0 13 | 7 52 | 1 32 | 8 59 | 2 14 | 22 51 | 0 31 | 8 15 | 1 14 | 4 55 | 16 6 | 20 13 | 20 28 | 19 53 | 2 3 | 4 6 | S 4 |
| S 5 | 3 34 | 21 7 | 4 58 | 1 52 | 0 22 | 10 44 | 1 22 | 6 12 | 0 12 | 7 50 | 1 33 | 9 2 | 2 14 | 22 51 | 0 31 | 8 15 | 1 14 | 4 54 | 16 6 | 20 14 | 20 28 | 19 51 | 2 1 | 4 5 | S 5 |
| M 6 | 3 11 | 24 12 | 4 32 | 2 48 | 0 34 | 10 17 | 1 23 | 6 29 | 0 11 | 7 48 | 1 33 | 9 4 | 2 13 | 22 51 | 0 31 | 8 16 | 1 14 | 4 54 | 16 6 | 20 15 | 20 29 | 19 49 | 1 59 | 4 5 | M 6 |
| T 7 | 2 47 | 25 59 | 3 55 | 3 43 | 0 46 | 9 50 | 1 24 | 6 47 | 0 11 | 7 46 | 1 33 | 9 7 | 2 13 | 22 51 | 0 31 | 8 17 | 1 14 | 4 53 | 16 6 | 20 16 | 20 30 | 19 46 | 1 57 | 4 5 | T 7 |
| W 8 | 2 24 | 26 28 | 3 7 | 4 36 | 0 59 | 9 22 | 1 25 | 7 4 | 0 10 | 7 44 | 1 33 | 9 9 | 2 13 | 22 51 | 0 31 | 8 17 | 1 14 | 4 52 | 16 5 | 20 16 | 20 30 | 19 44 | 1 55 | 4 5 | W 8 |
| T 9 | 2 0 | 25 40 | 2 12 | 5 28 | 1 11 | 8 55 | 1 25 | 7 22 | 0 9 | 7 41 | 1 33 | 9 12 | 2 13 | 22 51 | 0 31 | 8 18 | 1 14 | 4 52 | 16 5 | 20 16 | 20 31 | 19 42 | 1 53 | 4 4 | T 9 |
| F 10 | 1 36 | 23 43 | 1 12 | 6 18 | 1 23 | 8 27 | 1 26 | 7 39 | 0 9 | 7 39 | 1 33 | 9 15 | 2 13 | 22 51 | 0 31 | 8 18 | 1 14 | 4 51 | 16 5 | 20 16 | 20 32 | 19 39 | 1 50 | 4 4 | F 10 |
| S 11 | 1 13 | 20 45 | 0 9 | 7 6 | 1 35 | 7 59 | 1 26 | 7 56 | 0 8 | 7 37 | 1 33 | 9 17 | 2 13 | 22 51 | 0 31 | 8 19 | 1 14 | 4 51 | 16 5 | 20 16 | 20 32 | 19 37 | 1 48 | 4 4 | S 11 |
| S 12 | 0 49 | 16 57 | 0n54 | 7 52 | 1 46 | 7 30 | 1 27 | 8 13 | 0 7 | 7 34 | 1 33 | 9 20 | 2 12 | 22 51 | 0 31 | 8 20 | 1 14 | 4 50 | 16 5 | 20 16 | 20 33 | 19 35 | 1 46 | 4 4 | S 12 |
| M13 | 0 25 | 12 27 | 1 55 | 8 35 | 1 58 | 7 2 | 1 27 | 8 30 | 0 7 | 7 32 | 1 34 | 9 22 | 2 12 | 22 51 | 0 31 | 8 20 | 1 14 | 4 49 | 16 4 | 20 17 | 20 34 | 19 32 | 1 44 | 4 3 | M13 |
| T 14 | 0 2 | 7 26 | 2 52 | 9 16 | 2 8 | 6 33 | 1 27 | 8 47 | 0 6 | 7 29 | 1 34 | 9 25 | 2 12 | 22 52 | 0 31 | 8 21 | 1 14 | 4 49 | 16 4 | 20 18 | 20 34 | 19 30 | 1 42 | 4 3 | T 14 |
| W15 | 0n22 | 2 4 | 3 41 | 9 54 | 2 19 | 6 4 | 1 28 | 9 4 | 0 5 | 7 27 | 1 34 | 9 28 | 2 12 | 22 52 | 0 31 | 8 21 | 1 14 | 4 48 | 16 4 | 20 19 | 20 35 | 19 28 | 1 40 | 4 3 | W15 |
| T 16 | 0 45 | 3n27 | 4 21 | 10 29 | 2 28 | 5 35 | 1 28 | 9 21 | 0 5 | 7 24 | 1 34 | 9 30 | 2 12 | 22 52 | 0 31 | 8 22 | 1 14 | 4 48 | 16 4 | 20 21 | 20 36 | 19 25 | 1 37 | 4 2 | T 16 |
| F 17 | 1 9 | 8 55 | 4 48 | 11 1 | 2 37 | 5 6 | 1 28 | 9 37 | 0 4 | 7 22 | 1 34 | 9 33 | 2 12 | 22 52 | 0 31 | 8 23 | 1 14 | 4 47 | 16 4 | 20 24 | 20 36 | 19 23 | 1 35 | 4 2 | F 17 |
| S 18 | 1 33 | 14 7 | 5 2 | 11 29 | 2 45 | 4 37 | 1 28 | 9 54 | 0 3 | 7 19 | 1 34 | 9 36 | 2 12 | 22 52 | 0 31 | 8 23 | 1 14 | 4 47 | 16 4 | 20 26 | 20 37 | 19 21 | 1 33 | 4 2 | S 18 |
| S 19 | 1 56 | 18 45 | 5 0 | 11 55 | 2 52 | 4 7 | 1 28 | 10 10 | 0 3 | 7 16 | 1 34 | 9 38 | 2 11 | 22 52 | 0 31 | 8 24 | 1 14 | 4 46 | 16 4 | 20 28 | 20 38 | 19 18 | 1 31 | 4 1 | S 19 |
| M20 | 2 19 | 22 32 | 4 41 | 12 16 | 2 58 | 3 38 | 1 28 | 10 27 | 0 2 | 7 14 | 1 34 | 9 41 | 2 11 | 22 52 | 0 31 | 8 24 | 1 14 | 4 45 | 16 3 | 20 30 | 20 38 | 19 16 | 1 29 | 4 1 | M20 |
| T 21 | 2 43 | 25 8 | 4 7 | 12 35 | 3 3 | 3 8 | 1 28 | 10 43 | 0 1 | 7 11 | 1 34 | 9 43 | 2 11 | 22 51 | 0 31 | 8 25 | 1 14 | 4 45 | 16 3 | 20 31 | 20 39 | 19 14 | 1 27 | 4 0 | T 21 |
| W22 | 3 6 | 26 18 | 3 19 | 12 50 | 3 6 | 2 38 | 1 28 | 10 59 | 0 1 | 7 8 | 1 34 | 9 46 | 2 11 | 22 51 | 0 31 | 8 25 | 1 14 | 4 44 | 16 3 | 20 32 | 20 39 | 19 11 | 1 24 | 4 0 | W22 |
| T 23 | 3 30 | 25 50 | 2 18 | 13 1 | 3 9 | 2 8 | 1 27 | 11 15 | 0n 0 | 7 5 | 1 34 | 9 49 | 2 11 | 22 51 | 0 31 | 8 26 | 1 14 | 4 44 | 16 3 | 20 33 | 20 40 | 19 9 | 1 22 | 4 0 | T 23 |
| F 24 | 3 53 | 23 44 | 1 8 | 13 9 | 3 10 | 1 38 | 1 27 | 11 31 | 0 1 | 7 3 | 1 34 | 9 52 | 2 11 | 22 51 | 0 31 | 8 26 | 1 14 | 4 43 | 16 3 | 20 33 | 20 41 | 19 6 | 1 20 | 3 59 | F 24 |
| S 25 | 4 16 | 20 9 | 0s 7 | 13 13 | 3 10 | 1 8 | 1 27 | 11 47 | 0 1 | 7 0 | 1 34 | 9 54 | 2 11 | 22 51 | 0 31 | 8 27 | 1 14 | 4 43 | 16 3 | 20 32 | 20 41 | 19 4 | 1 18 | 3 59 | S 25 |
| S 26 | 4 39 | 15 20 | 1 22 | 13 14 | 3 9 | 0 38 | 1 26 | 12 3 | 0 2 | 6 57 | 1 34 | 9 57 | 2 11 | 22 51 | 0 31 | 8 28 | 1 14 | 4 42 | 16 3 | 20 33 | 20 42 | 19 2 | 1 16 | 3 58 | S 26 |
| M27 | 5 2 | 9 37 | 2 32 | 13 10 | 3 6 | 0 8 | 1 26 | 12 18 | 0 3 | 6 54 | 1 34 | 10 0 | 2 11 | 22 51 | 0 31 | 8 28 | 1 14 | 4 41 | 16 3 | 20 33 | 20 43 | 18 59 | 1 14 | 3 58 | M27 |
| T 28 | 5 25 | 3 24 | 3 33 | 13 4 | 3 2 | 0n22 | 1 25 | 12 33 | 0 3 | 6 51 | 1 34 | 10 2 | 2 10 | 22 51 | 0 31 | 8 29 | 1 14 | 4 41 | 16 2 | 20 34 | 20 43 | 18 57 | 1 12 | 3 57 | T 28 |
| W29 | 5 48 | 2s58 | 4 19 | 12 54 | 2 56 | 0 52 | 1 24 | 12 49 | 0 4 | 6 49 | 1 34 | 10 5 | 2 10 | 22 51 | 0 31 | 8 29 | 1 14 | 4 40 | 16 2 | 20 36 | 20 44 | 18 54 | 1 9 | 3 57 | W29 |
| T 30 | 6 10 | 9 6 | 4 49 | 12 40 | 2 49 | 1 22 | 1 24 | 13 4 | 0 5 | 6 46 | 1 34 | 10 8 | 2 10 | 22 51 | 0 31 | 8 30 | 1 14 | 4 40 | 16 2 | 20 38 | 20 45 | 18 52 | 1 7 | 3 56 | T 30 |
| F 31 | 6n33 | 14s40 | 5s 1 | 12n24 | 2n41 | 1n52 | 1s23 | 13n19 | 0n 5 | 6s43 | 1n34 | 10n10 | 2s10 | 22n51 | 0n31 | 8n30 | 1n14 | 4s39 | 16s 2 | 20s41 | 20s45 | 18s50 | 1s 5 | 3s56 | F 31 |

Julian Day Number = 2128736.5, Delta T = 16m52s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'07, Lahiri = 11°32'07 Julian Calendar 1 March 1116 == Greg. Calendar 8 March 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## APRIL 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 2 50 | 17♈33'34 | 9♏28 | 25°R 2 | 9♈ 6 | 5♉40 | 20°R42 | 2♉ 5 | 18♋ 1 | 11°R17 | 26♈39 | 27°R44 | 27♑30 | 3♒59 | 23°R37 | S 1 |
| S 2 | 13 6 47 | 18°32'01 | 22°47 | 24♈31 | 10°20 | 6°23 | 20♎35 | 2°12 | 18° 2 | 11♍15 | 26°40 | 27♑34 | 27°26 | 4° 6 | 23♍33 | S 2 |
| M 3 | 13 10 43 | 19°30'25 | 5♐44 | 23°56 | 11°34 | 7° 5 | 20°27 | 2°20 | 18° 2 | 11°14 | 26°41 | 27°25 | 27°23 | 4°12 | 23°29 | M 3 |
| T 4 | 13 14 40 | 20°28'49 | 18°18 | 23°19 | 12°48 | 7°48 | 20°20 | 2°27 | 18° 3 | 11°13 | 26°43 | 27°19 | 27°20 | 4°19 | 23°25 | T 4 |
| W 5 | 13 18 36 | 21°27'10 | 0♑34 | 22°40 | 14° 2 | 8°30 | 20°12 | 2°35 | 18° 4 | 11°12 | 26°44 | 27°16 | 27°17 | 4°26 | 23°21 | W 5 |
| T 6 | 13 22 33 | 22°25'30 | 12°35 | 21°59 | 15°16 | 9°13 | 20° 4 | 2°43 | 18° 5 | 11°10 | 26°45 | 27°15 | 27°14 | 4°32 | 23°17 | T 6 |
| F 7 | 13 26 29 | 23°23'49 | 24°27 | 21°19 | 16°30 | 9°55 | 19°57 | 2°51 | 18° 6 | 11° 9 | 26°47 | 27°14 | 27°10 | 4°39 | 23°14 | F 7 |
| S 8 | 13 30 26 | 24°22'05 | 6♒15 | 20°39 | 17°44 | 10°38 | 19°49 | 2°58 | 18° 7 | 11° 8 | 26°48 | 27°14 | 27° 7 | 4°46 | 23°10 | S 8 |
| S 9 | 13 34 23 | 25°20'20 | 18° 5 | 20° 0 | 18°58 | 11°20 | 19°41 | 3° 6 | 18° 8 | 11° 7 | 26°49 | 27°13 | 27° 4 | 4°52 | 23° 7 | S 9 |
| M10 | 13 38 19 | 26°18'34 | 0♓ 1 | 19°23 | 20°12 | 12° 2 | 19°34 | 3°14 | 18° 9 | 11° 6 | 26°51 | 27°10 | 27° 1 | 4°59 | 23° 3 | M10 |
| T 11 | 13 42 16 | 27°16'46 | 12° 9 | 18°48 | 21°26 | 12°45 | 19°26 | 3°21 | 18°10 | 11° 5 | 26°52 | 27° 4 | 26°58 | 5° 6 | 23° 0 | T 11 |
| W12 | 13 46 12 | 28°14'56 | 24°32 | 18°16 | 22°40 | 13°27 | 19°19 | 3°29 | 18°11 | 11° 4 | 26°54 | 26°56 | 26°55 | 5°12 | 22°57 | W12 |
| T 13 | 13 50 9 | 29°13'05 | 7♈11 | 17°48 | 23°54 | 14° 9 | 19°11 | 3°37 | 18°13 | 11° 3 | 26°55 | 26°45 | 26°51 | 5°19 | 22°53 | T 13 |
| F 14 | 13 54 5 | 0♉11'12 | 20°10 | 17°23 | 25° 7 | 14°51 | 19° 4 | 3°45 | 18°14 | 11° 2 | 26°56 | 26°33 | 26°48 | 5°26 | 22°50 | F 14 |
| S 15 | 13 58 2 | 1° 9'17 | 3♉25 | 17° 2 | 26°21 | 15°33 | 18°56 | 3°52 | 18°15 | 11° 1 | 26°58 | 26°20 | 26°45 | 5°32 | 22°47 | S 15 |
| S 16 | 14 1 58 | 2° 7'21 | 16°56 | 16°46 | 27°35 | 16°15 | 18°49 | 4° 0 | 18°17 | 11° 0 | 26°59 | 26° 8 | 26°42 | 5°39 | 22°44 | S 16 |
| M17 | 14 5 55 | 3° 5'23 | 0♊40 | 16°34 | 28°49 | 16°57 | 18°42 | 4° 8 | 18°18 | 10°59 | 27° 0 | 25°58 | 26°39 | 5°45 | 22°41 | M17 |
| T 18 | 14 9 52 | 4° 3'24 | 14°34 | 16°27 | 0♉ 3 | 17°39 | 18°34 | 4°16 | 18°20 | 10°58 | 27° 2 | 25°51 | 26°36 | 5°52 | 22°39 | T 18 |
| W19 | 14 13 48 | 5° 1'22 | 28°34 | 16°D24 | 1°17 | 18°21 | 18°27 | 4°24 | 18°21 | 10°58 | 27° 3 | 25°46 | 26°32 | 5°59 | 22°36 | W19 |
| T 20 | 14 17 45 | 5°59'19 | 12♋37 | 16°26 | 2°31 | 19° 3 | 18°20 | 4°31 | 18°23 | 10°57 | 27° 4 | 25°44 | 26°29 | 6° 5 | 22°33 | T 20 |
| F 21 | 14 21 41 | 6°57'14 | 26°43 | 16°33 | 3°45 | 19°45 | 18°13 | 4°39 | 18°24 | 10°56 | 27° 6 | 25°D44 | 26°26 | 6°12 | 22°31 | F 21 |
| S 22 | 14 25 38 | 7°55'07 | 10♌51 | 16°45 | 4°59 | 20°27 | 18° 6 | 4°47 | 18°26 | 10°55 | 27° 7 | 25°R44 | 26°23 | 6°19 | 22°29 | S 22 |
| S 23 | 14 29 34 | 8°52'58 | 24°58 | 17° 1 | 6°12 | 21° 8 | 18° 0 | 4°55 | 18°28 | 10°54 | 27° 9 | 25°43 | 26°20 | 6°25 | 22°26 | S 23 |
| M24 | 14 33 31 | 9°50'47 | 9♍ 4 | 17°21 | 7°26 | 21°50 | 17°53 | 5° 2 | 18°30 | 10°54 | 27°10 | 25°40 | 26°16 | 6°32 | 22°24 | M24 |
| T 25 | 14 37 27 | 10°48'34 | 23° 7 | 17°46 | 8°40 | 22°32 | 17°46 | 5°10 | 18°32 | 10°53 | 27°11 | 25°35 | 26°13 | 6°39 | 22°22 | T 25 |
| W26 | 14 41 24 | 11°46'20 | 7♎ 5 | 18°15 | 9°54 | 23°13 | 17°40 | 5°18 | 18°33 | 10°52 | 27°13 | 25°27 | 26°10 | 6°45 | 22°20 | W26 |
| T 27 | 14 45 21 | 12°44'04 | 20°55 | 18°48 | 11° 8 | 23°55 | 17°33 | 5°26 | 18°35 | 10°52 | 27°14 | 25°17 | 26° 7 | 6°52 | 22°18 | T 27 |
| F 28 | 14 49 17 | 13°41'46 | 4♏32 | 19°25 | 12°21 | 24°36 | 17°27 | 5°33 | 18°37 | 10°51 | 27°15 | 25° 6 | 26° 4 | 6°59 | 22°16 | F 28 |
| S 29 | 14 53 14 | 14°39'28 | 17°54 | 20° 5 | 13°35 | 25°18 | 17°21 | 5°41 | 18°39 | 10°51 | 27°17 | 24°54 | 26° 1 | 7° 5 | 22°15 | S 29 |
| S 30 | 14 57 10 | 15♉37'07 | 0♐59 | 20♈50 | 14♉49 | 25♉59 | 17♎15 | 5♉49 | 18♋41 | 10♍50 | 27♈18 | 24♑44 | 25♑57 | 7♒12 | 22♍13 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n55 | 19s22 | 4s55 | 12n 4 | 2n31 | 2n22 | 1s22 | 13n34 | 0n 6 | 6s40 | 1n34 | 10n13 | 2s10 | 22n51 | 0n31 | 8n31 | 1n14 | 4s39 | 16s 2 | 20s43 | 20s46 | 18s47 | 1s 3 | 3s55 |
| S 2 | 7 18 | 22 57 | 4 33 | 11 42 | 2 19 | 2 52 | 1 21 | 13 49 | 0 7 | 6 37 | 1 34 | 10 16 | 2 10 | 22 51 | 0 31 | 8 31 | 1 14 | 4 38 | 16 2 | 20 45 | 20 46 | 18 45 | 1 1 | 3 55 |
| M 3 | 7 40 | 25 15 | 3 57 | 11 18 | 2 7 | 3 22 | 1 20 | 14 3 | 0 7 | 6 34 | 1 34 | 10 18 | 2 10 | 22 50 | 0 31 | 8 31 | 1 14 | 4 38 | 16 2 | 20 47 | 20 47 | 18 42 | 0 59 | 3 54 |
| T 4 | 8 2 | 26 12 | 3 11 | 10 51 | 1 53 | 3 52 | 1 19 | 14 18 | 0 8 | 6 31 | 1 34 | 10 21 | 2 10 | 22 50 | 0 31 | 8 32 | 1 14 | 4 37 | 16 2 | 20 48 | 20 48 | 18 40 | 0 57 | 3 54 |
| W 5 | 8 24 | 25 50 | 2 16 | 10 23 | 1 39 | 4 22 | 1 18 | 14 32 | 0 8 | 6 29 | 1 34 | 10 24 | 2 10 | 22 50 | 0 31 | 8 32 | 1 14 | 4 37 | 16 2 | 20 48 | 20 48 | 18 37 | 0 55 | 3 53 |
| T 6 | 8 46 | 24 14 | 1 17 | 9 54 | 1 23 | 4 51 | 1 17 | 14 47 | 0 9 | 6 26 | 1 34 | 10 27 | 2 10 | 22 50 | 0 31 | 8 33 | 1 14 | 4 36 | 16 2 | 20 49 | 20 49 | 18 35 | 0 53 | 3 53 |
| F 7 | 9 8 | 21 35 | 0 15 | 9 24 | 1 7 | 5 21 | 1 16 | 15 1 | 0 10 | 6 23 | 1 34 | 10 29 | 2 10 | 22 50 | 0 31 | 8 33 | 1 14 | 4 36 | 16 2 | 20 49 | 20 50 | 18 32 | 0 51 | 3 52 |
| S 8 | 9 29 | 18 2 | 0n48 | 8 53 | 0 51 | 5 51 | 1 15 | 15 15 | 0 10 | 6 20 | 1 34 | 10 32 | 2 10 | 22 50 | 0 31 | 8 34 | 1 14 | 4 35 | 16 2 | 20 49 | 20 50 | 18 30 | 0 49 | 3 52 |
| S 9 | 9 51 | 13 46 | 1 48 | 8 23 | 0 34 | 6 20 | 1 13 | 15 29 | 0 11 | 6 17 | 1 34 | 10 35 | 2 10 | 22 50 | 0 31 | 8 34 | 1 14 | 4 35 | 16 2 | 20 49 | 20 51 | 18 28 | 0 47 | 3 51 |
| M10 | 10 12 | 8 57 | 2 44 | 7 53 | 0 17 | 6 49 | 1 12 | 15 42 | 0 12 | 6 14 | 1 34 | 10 37 | 2 10 | 22 49 | 0 31 | 8 34 | 1 14 | 4 34 | 16 2 | 20 50 | 20 51 | 18 25 | 0 46 | 3 51 |
| T 11 | 10 33 | 3 45 | 3 34 | 7 24 | 0s 0 | 7 18 | 1 11 | 15 56 | 0 12 | 6 12 | 1 34 | 10 40 | 2 9 | 22 49 | 0 31 | 8 35 | 1 14 | 4 34 | 16 2 | 20 51 | 20 52 | 18 23 | 0 44 | 3 50 |
| W12 | 10 54 | 1n42 | 4 14 | 6 56 | 0 17 | 7 47 | 1 9 | 16 9 | 0 13 | 6 9 | 1 34 | 10 43 | 2 9 | 22 49 | 0 31 | 8 35 | 1 14 | 4 33 | 16 2 | 20 52 | 20 53 | 18 20 | 0 42 | 3 50 |
| T 13 | 11 15 | 7 12 | 4 43 | 6 30 | 0 33 | 8 16 | 1 8 | 16 23 | 0 13 | 6 6 | 1 34 | 10 45 | 2 9 | 22 49 | 0 31 | 8 35 | 1 14 | 4 33 | 16 2 | 20 54 | 20 53 | 18 18 | 0 40 | 3 49 |
| F 14 | 11 36 | 12 31 | 4 59 | 6 6 | 0 50 | 8 45 | 1 6 | 16 36 | 0 14 | 6 3 | 1 34 | 10 48 | 2 9 | 22 49 | 0 31 | 8 36 | 1 14 | 4 32 | 16 2 | 20 57 | 20 54 | 18 15 | 0 38 | 3 49 |
| S 15 | 11 56 | 17 23 | 4 58 | 5 43 | 1 5 | 9 13 | 1 4 | 16 49 | 0 15 | 6 1 | 1 33 | 10 51 | 2 9 | 22 48 | 0 31 | 8 36 | 1 14 | 4 32 | 16 2 | 20 59 | 20 54 | 18 13 | 0 37 | 3 48 |
| S 16 | 12 16 | 21 28 | 4 41 | 5 23 | 1 20 | 9 41 | 1 3 | 17 1 | 0 15 | 5 58 | 1 33 | 10 53 | 2 9 | 22 48 | 0 31 | 8 37 | 1 14 | 4 31 | 16 2 | 21 1 | 20 55 | 18 10 | 0 35 | 3 47 |
| M17 | 12 36 | 24 26 | 4 8 | 5 6 | 1 34 | 10 9 | 1 1 | 17 14 | 0 16 | 5 55 | 1 33 | 10 56 | 2 9 | 22 48 | 0 30 | 8 37 | 1 14 | 4 31 | 16 2 | 21 3 | 20 56 | 18 8 | 0 33 | 3 47 |
| T 18 | 12 56 | 25 57 | 3 19 | 4 51 | 1 48 | 10 37 | 0 59 | 17 26 | 0 16 | 5 53 | 1 33 | 10 59 | 2 9 | 22 48 | 0 30 | 8 37 | 1 14 | 4 30 | 16 2 | 21 5 | 20 56 | 18 5 | 0 32 | 3 46 |
| W19 | 13 16 | 25 51 | 2 18 | 4 38 | 2 0 | 11 5 | 0 58 | 17 39 | 0 17 | 5 50 | 1 33 | 11 1 | 2 9 | 22 48 | 0 30 | 8 37 | 1 14 | 4 30 | 16 2 | 21 6 | 20 57 | 18 3 | 0 30 | 3 46 |
| T 20 | 13 35 | 24 6 | 1 9 | 4 28 | 2 12 | 11 32 | 0 56 | 17 51 | 0 18 | 5 48 | 1 33 | 11 4 | 2 9 | 22 47 | 0 30 | 8 38 | 1 13 | 4 29 | 16 2 | 21 6 | 20 57 | 18 0 | 0 29 | 3 45 |
| F 21 | 13 54 | 20 50 | 0s 5 | 4 21 | 2 23 | 11 59 | 0 54 | 18 3 | 0 18 | 5 45 | 1 33 | 11 6 | 2 9 | 22 47 | 0 30 | 8 38 | 1 13 | 4 29 | 16 2 | 21 6 | 20 58 | 17 58 | 0 27 | 3 44 |
| S 22 | 14 13 | 16 20 | 1 19 | 4 16 | 2 32 | 12 25 | 0 52 | 18 15 | 0 19 | 5 43 | 1 33 | 11 9 | 2 9 | 22 47 | 0 30 | 8 38 | 1 13 | 4 29 | 16 2 | 21 6 | 20 59 | 17 55 | 0 25 | 3 44 |
| S 23 | 14 32 | 10 56 | 2 28 | 4 14 | 2 41 | 12 52 | 0 50 | 18 26 | 0 19 | 5 40 | 1 32 | 11 12 | 2 9 | 22 47 | 0 30 | 8 39 | 1 13 | 4 28 | 16 2 | 21 6 | 20 59 | 17 53 | 0 24 | 3 43 |
| M24 | 14 50 | 5 0 | 3 28 | 4 14 | 2 49 | 13 18 | 0 48 | 18 38 | 0 20 | 5 38 | 1 32 | 11 14 | 2 9 | 22 46 | 0 30 | 8 39 | 1 13 | 4 28 | 16 2 | 21 7 | 21 0 | 17 50 | 0 23 | 3 43 |
| T 25 | 15 8 | 1s10 | 4 15 | 4 17 | 2 56 | 13 44 | 0 46 | 18 49 | 0 20 | 5 35 | 1 32 | 11 17 | 2 9 | 22 46 | 0 30 | 8 39 | 1 13 | 4 27 | 16 2 | 21 8 | 21 1 | 17 48 | 0 21 | 3 42 |
| W26 | 15 26 | 7 13 | 4 47 | 4 23 | 3 2 | 14 9 | 0 44 | 19 0 | 0 21 | 5 33 | 1 32 | 11 19 | 2 9 | 22 46 | 0 30 | 8 39 | 1 13 | 4 27 | 16 2 | 21 9 | 21 1 | 17 45 | 0 20 | 3 41 |
| T 27 | 15 44 | 12 50 | 5 1 | 4 30 | 3 8 | 14 34 | 0 42 | 19 11 | 0 22 | 5 31 | 1 32 | 11 22 | 2 9 | 22 45 | 0 30 | 8 39 | 1 13 | 4 27 | 16 2 | 21 11 | 21 2 | 17 43 | 0 18 | 3 41 |
| F 28 | 16 2 | 17 46 | 4 58 | 4 40 | 3 12 | 14 59 | 0 40 | 19 22 | 0 22 | 5 28 | 1 32 | 11 25 | 2 9 | 22 45 | 0 30 | 8 40 | 1 13 | 4 26 | 16 2 | 21 13 | 21 2 | 17 40 | 0 17 | 3 40 |
| S 29 | 16 19 | 21 42 | 4 38 | 4 52 | 3 16 | 15 23 | 0 38 | 19 33 | 0 23 | 5 26 | 1 31 | 11 27 | 2 9 | 22 45 | 0 30 | 8 40 | 1 13 | 4 26 | 16 2 | 21 15 | 21 3 | 17 38 | 0 16 | 3 39 |
| S 30 | 16n36 | 24s26 | 4s 4 | 5n 7 | 3s18 | 15n47 | 0s36 | 19n43 | 0n23 | 5s24 | 1n31 | 11n30 | 2s 9 | 22n45 | 0n30 | 8n40 | 1n13 | 4s25 | 16s 2 | 21s17 | 21s 3 | 17s35 | 0s15 | 3s39 |

Julian Day Number = 2128767.5, Delta T = 16m52s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'11, Lahiri = 11°32'11 Julian Calendar 1 Apr. 1116 == Greg. Calendar 8 Apr. 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## MAY 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 1 7 | 16♉34'46 | 13♐45 | 21♈38 | 16♉ 3 | 26♉40 | 17°R 9 | 5♉56 | 18♋44 | 10°R50 | 27♈19 | 24°R36 | 25♑54 | 7♒19 | 22°R12 | M 1 |
| T 2 | 15 5 3 | 17°32'23 | 26°14 | 22°30 | 17°17 | 27°22 | 17♎ 3 | 6° 4 | 18°46 | 10♏49 | 27°20 | 24♑30 | 25°51 | 7°25 | 22♏10 | T 2 |
| W 3 | 15 9 0 | 18°30'00 | 8♑27 | 23°25 | 18°30 | 28° 3 | 16°58 | 6°12 | 18°48 | 10°49 | 27°22 | 24°27 | 25°48 | 7°32 | 22° 9 | W 3 |
| T 4 | 15 12 56 | 19°27'35 | 20°27 | 24°23 | 19°44 | 28°44 | 16°52 | 6°19 | 18°50 | 10°49 | 27°23 | 24°D25 | 25°45 | 7°38 | 22° 8 | T 4 |
| F 5 | 15 16 53 | 20°25'09 | 2♒19 | 25°25 | 20°58 | 29°25 | 16°47 | 6°27 | 18°52 | 10°48 | 27°24 | 24°25 | 25°42 | 7°45 | 22° 7 | F 5 |
| S 6 | 15 20 50 | 21°22'42 | 14° 8 | 26°30 | 22°12 | 0♊ 6 | 16°41 | 6°35 | 18°55 | 10°48 | 27°26 | 24°26 | 25°38 | 7°52 | 22° 6 | S 6 |
| S 7 | 15 24 46 | 22°20'14 | 25°58 | 27°37 | 23°25 | 0°48 | 16°36 | 6°42 | 18°57 | 10°48 | 27°27 | 24°R26 | 25°35 | 7°58 | 22° 5 | S 7 |
| M 8 | 15 28 43 | 23°17'45 | 7♓56 | 28°48 | 24°39 | 1°29 | 16°31 | 6°50 | 19° 0 | 10°47 | 27°28 | 24°25 | 25°32 | 8° 5 | 22° 5 | M 8 |
| T 9 | 15 32 39 | 24°15'16 | 20° 7 | 0♉ 1 | 25°53 | 2°10 | 16°27 | 6°57 | 19° 2 | 10°47 | 27°29 | 24°22 | 25°29 | 8°12 | 22° 4 | T 9 |
| W10 | 15 36 36 | 25°12'45 | 2♈34 | 1°18 | 27° 7 | 2°51 | 16°22 | 7° 5 | 19° 4 | 10°47 | 27°31 | 24°16 | 25°26 | 8°18 | 22° 4 | W10 |
| T 11 | 15 40 32 | 26°10'14 | 15°21 | 2°37 | 28°20 | 3°32 | 16°17 | 7°13 | 19° 7 | 10°47 | 27°32 | 24° 9 | 25°22 | 8°25 | 22° 3 | T 11 |
| F 12 | 15 44 29 | 27° 7'42 | 28°30 | 3°59 | 29°34 | 4°12 | 16°13 | 7°20 | 19°10 | 10°47 | 27°33 | 24° 0 | 25°19 | 8°32 | 22° 3 | F 12 |
| S 13 | 15 48 25 | 28° 5'09 | 12♉ 1 | 5°23 | 0♊48 | 4°53 | 16° 9 | 7°27 | 19°12 | 10°46 | 27°34 | 23°51 | 25°16 | 8°38 | 22° 3 | S 13 |
| S 14 | 15 52 22 | 29° 2'35 | 25°52 | 6°51 | 2° 2 | 5°34 | 16° 5 | 7°35 | 19°15 | 10°46 | 27°35 | 23°42 | 25°13 | 8°45 | 22°D 3 | S 14 |
| M15 | 15 56 19 | 0♊ 0'00 | 10♊ 0 | 8°21 | 3°15 | 6°15 | 16° 1 | 7°42 | 19°17 | 10°46 | 27°37 | 23°35 | 25°10 | 8°52 | 22° 3 | M15 |
| T 16 | 16 0 15 | 0°57'24 | 24°18 | 9°53 | 4°29 | 6°56 | 15°57 | 7°50 | 19°20 | 10°D46 | 27°38 | 23°29 | 25° 7 | 8°58 | 22° 3 | T 16 |
| W17 | 16 4 12 | 1°54'48 | 8♋43 | 11°28 | 5°43 | 7°36 | 15°54 | 7°57 | 19°23 | 10°46 | 27°39 | 23°26 | 25° 3 | 9° 5 | 22° 3 | W17 |
| T 18 | 16 8 8 | 2°52'10 | 23° 9 | 13° 6 | 6°56 | 8°17 | 15°50 | 8° 4 | 19°26 | 10°46 | 27°40 | 23°D26 | 25° 0 | 9°12 | 22° 4 | T 18 |
| F 19 | 16 12 5 | 3°49'31 | 7♌31 | 14°47 | 8°10 | 8°58 | 15°47 | 8°12 | 19°28 | 10°46 | 27°41 | 23°26 | 24°57 | 9°18 | 22° 4 | F 19 |
| S 20 | 16 16 1 | 4°46'51 | 21°47 | 16°30 | 9°24 | 9°38 | 15°44 | 8°19 | 19°31 | 10°47 | 27°42 | 23°27 | 24°54 | 9°25 | 22° 5 | S 20 |
| S 21 | 16 19 58 | 5°44'09 | 5♍55 | 18°15 | 10°37 | 10°19 | 15°41 | 8°26 | 19°34 | 10°47 | 27°44 | 23°R28 | 24°51 | 9°32 | 22° 6 | S 21 |
| M22 | 16 23 54 | 6°41'27 | 19°53 | 20° 3 | 11°51 | 10°59 | 15°38 | 8°33 | 19°37 | 10°47 | 27°45 | 23°27 | 24°48 | 9°38 | 22° 7 | M22 |
| T 23 | 16 27 51 | 7°38'44 | 3♎42 | 21°54 | 13° 5 | 11°40 | 15°36 | 8°41 | 19°40 | 10°47 | 27°46 | 23°24 | 24°44 | 9°45 | 22° 8 | T 23 |
| W24 | 16 31 48 | 8°35'59 | 17°19 | 23°47 | 14°19 | 12°20 | 15°33 | 8°48 | 19°43 | 10°47 | 27°47 | 23°20 | 24°41 | 9°51 | 22° 9 | W24 |
| T 25 | 16 35 44 | 9°33'14 | 0♏44 | 25°42 | 15°32 | 13° 0 | 15°31 | 8°55 | 19°46 | 10°48 | 27°48 | 23°14 | 24°38 | 9°58 | 22°10 | T 25 |
| F 26 | 16 39 41 | 10°30'28 | 13°57 | 27°40 | 16°46 | 13°41 | 15°29 | 9° 2 | 19°49 | 10°48 | 27°49 | 23° 7 | 24°35 | 10° 5 | 22°11 | F 26 |
| S 27 | 16 43 37 | 11°27'42 | 26°56 | 29°40 | 18° 0 | 14°21 | 15°27 | 9° 9 | 19°52 | 10°48 | 27°50 | 23° 0 | 24°32 | 10°11 | 22°13 | S 27 |
| S 28 | 16 47 34 | 12°24'55 | 9♐41 | 1♊42 | 19°13 | 15° 1 | 15°26 | 9°16 | 19°55 | 10°49 | 27°51 | 22°53 | 24°28 | 10°18 | 22°14 | S 28 |
| M29 | 16 51 30 | 13°22'07 | 22°12 | 3°46 | 20°27 | 15°42 | 15°24 | 9°23 | 19°58 | 10°49 | 27°52 | 22°48 | 24°25 | 10°25 | 22°16 | M29 |
| T 30 | 16 55 27 | 14°19'19 | 4♑29 | 5°52 | 21°40 | 16°22 | 15°23 | 9°30 | 20° 1 | 10°50 | 27°53 | 22°45 | 24°22 | 10°31 | 22°18 | T 30 |
| W31 | 16 59 24 | 15♊16'30 | 16♑35 | 7♊59 | 22♊54 | 17♊ 2 | 15♎22 | 9♉36 | 20♋ 4 | 10♏50 | 27♈54 | 22♑43 | 24♑19 | 10♒38 | 22♏19 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n52 | 25s51 | 3s19 | 5n23 | 3s20 | 16n11 | 0s34 | 19n54 | 0n24 | 5s22 | 1n31 | 11n32 | 2s 9 | 22n44 | 0n30 | 8n40 | 1n13 | 4s25 | 16s 2 | 21s18 | 21s 4 | 17s33 | 0s14 | 3s38 |
| T 2 | 17 9 | 25 54 | 2 24 | 5 41 | 3 21 | 16 34 | 0 31 | 20 4 | 0 24 | 5 20 | 1 31 | 11 35 | 2 9 | 22 44 | 0 30 | 8 40 | 1 13 | 4 25 | 16 3 | 21 19 | 21 5 | 17 30 | 0 12 | 3 37 |
| W 3 | 17 25 | 24 41 | 1 24 | 6 1 | 3 22 | 16 57 | 0 29 | 20 14 | 0 25 | 5 18 | 1 31 | 11 37 | 2 9 | 22 44 | 0 30 | 8 40 | 1 13 | 4 24 | 16 3 | 21 20 | 21 5 | 17 28 | 0 11 | 3 37 |
| T 4 | 17 41 | 22 20 | 0 21 | 6 23 | 3 21 | 17 19 | 0 27 | 20 23 | 0 26 | 5 16 | 1 30 | 11 40 | 2 9 | 22 43 | 0 30 | 8 40 | 1 13 | 4 24 | 16 3 | 21 20 | 21 6 | 17 25 | 0 10 | 3 36 |
| F 5 | 17 56 | 19 3 | 0n42 | 6 46 | 3 20 | 17 41 | 0 25 | 20 33 | 0 26 | 5 14 | 1 30 | 11 42 | 2 9 | 22 43 | 0 30 | 8 41 | 1 13 | 4 24 | 16 3 | 21 20 | 21 6 | 17 23 | 0 9 | 3 35 |
| S 6 | 18 12 | 15 1 | 1 43 | 7 11 | 3 18 | 18 3 | 0 22 | 20 42 | 0 27 | 5 12 | 1 30 | 11 45 | 2 9 | 22 43 | 0 30 | 8 41 | 1 13 | 4 23 | 16 3 | 21 20 | 21 7 | 17 20 | 0 8 | 3 35 |
| S 7 | 18 27 | 10 24 | 2 40 | 7 38 | 3 16 | 18 24 | 0 20 | 20 51 | 0 27 | 5 11 | 1 30 | 11 47 | 2 9 | 22 42 | 0 30 | 8 41 | 1 13 | 4 23 | 16 3 | 21 20 | 21 8 | 17 18 | 0 7 | 3 34 |
| M 8 | 18 41 | 5 22 | 3 31 | 8 6 | 3 12 | 18 44 | 0 18 | 21 0 | 0 28 | 5 9 | 1 30 | 11 50 | 2 9 | 22 42 | 0 30 | 8 41 | 1 13 | 4 23 | 16 3 | 21 20 | 21 8 | 17 15 | 0 7 | 3 33 |
| T 9 | 18 56 | 0 4 | 4 13 | 8 36 | 3 8 | 19 4 | 0 16 | 21 9 | 0 28 | 5 7 | 1 29 | 11 52 | 2 9 | 22 42 | 0 30 | 8 41 | 1 13 | 4 22 | 16 3 | 21 21 | 21 9 | 17 12 | 0 6 | 3 33 |
| W10 | 19 10 | 5n22 | 4 44 | 9 6 | 3 4 | 19 24 | 0 13 | 21 18 | 0 29 | 5 6 | 1 29 | 11 55 | 2 9 | 22 41 | 0 30 | 8 41 | 1 13 | 4 22 | 16 3 | 21 22 | 21 9 | 17 10 | 0 5 | 3 32 |
| T 11 | 19 23 | 10 42 | 5 2 | 9 38 | 2 59 | 19 43 | 0 11 | 21 26 | 0 29 | 5 4 | 1 29 | 11 57 | 2 9 | 22 41 | 0 30 | 8 41 | 1 13 | 4 22 | 16 4 | 21 23 | 21 10 | 17 7 | 0 4 | 3 31 |
| F 12 | 19 37 | 15 43 | 5 4 | 10 12 | 2 53 | 20 1 | 0 8 | 21 35 | 0 30 | 5 3 | 1 29 | 11 59 | 2 9 | 22 40 | 0 30 | 8 41 | 1 13 | 4 21 | 16 4 | 21 25 | 21 11 | 17 5 | 0 3 | 3 31 |
| S 13 | 19 50 | 20 7 | 4 50 | 10 46 | 2 47 | 20 19 | 0 6 | 21 43 | 0 30 | 5 1 | 1 28 | 12 2 | 2 9 | 22 40 | 0 30 | 8 41 | 1 13 | 4 21 | 16 4 | 21 26 | 21 11 | 17 2 | 0 3 | 3 30 |
| S 14 | 20 2 | 23 31 | 4 19 | 11 21 | 2 40 | 20 36 | 0 4 | 21 51 | 0 31 | 5 0 | 1 28 | 12 4 | 2 9 | 22 40 | 0 30 | 8 41 | 1 13 | 4 21 | 16 4 | 21 28 | 21 12 | 17 0 | 0 2 | 3 29 |
| M15 | 20 15 | 25 33 | 3 32 | 11 57 | 2 33 | 20 53 | 0 1 | 21 58 | 0 31 | 4 59 | 1 28 | 12 6 | 2 9 | 22 39 | 0 30 | 8 41 | 1 13 | 4 21 | 16 4 | 21 29 | 21 12 | 16 57 | 0 2 | 3 29 |
| T 16 | 20 27 | 25 56 | 2 30 | 12 34 | 2 25 | 21 9 | 0n 1 | 22 6 | 0 32 | 4 58 | 1 28 | 12 9 | 2 9 | 22 39 | 0 30 | 8 41 | 1 13 | 4 20 | 16 4 | 21 30 | 21 13 | 16 55 | 0 1 | 3 28 |
| W17 | 20 39 | 24 34 | 1 18 | 13 11 | 2 16 | 21 25 | 0 3 | 22 13 | 0 32 | 4 56 | 1 27 | 12 11 | 2 9 | 22 39 | 0 30 | 8 41 | 1 13 | 4 20 | 16 4 | 21 31 | 21 13 | 16 52 | 0 1 | 3 28 |
| T 18 | 20 50 | 21 35 | 0 2 | 13 49 | 2 8 | 21 40 | 0 6 | 22 20 | 0 33 | 4 55 | 1 27 | 12 13 | 2 10 | 22 38 | 0 30 | 8 41 | 1 13 | 4 20 | 16 5 | 21 31 | 21 14 | 16 49 | 0 0 | 3 27 |
| F 19 | 21 1 | 17 16 | 1s15 | 14 28 | 1 58 | 21 55 | 0 8 | 22 27 | 0 33 | 4 54 | 1 27 | 12 16 | 2 10 | 22 38 | 0 30 | 8 41 | 1 13 | 4 20 | 16 5 | 21 31 | 21 15 | 16 47 | 0n 0 | 3 26 |
| S 20 | 21 12 | 12 0 | 2 27 | 15 7 | 1 49 | 22 8 | 0 11 | 22 34 | 0 34 | 4 53 | 1 27 | 12 18 | 2 10 | 22 37 | 0 30 | 8 41 | 1 13 | 4 19 | 16 5 | 21 30 | 21 15 | 16 44 | 0 1 | 3 26 |
| S 21 | 21 22 | 6 9 | 3 29 | 15 46 | 1 39 | 22 22 | 0 13 | 22 40 | 0 34 | 4 53 | 1 26 | 12 20 | 2 10 | 22 37 | 0 30 | 8 41 | 1 13 | 4 19 | 16 5 | 21 30 | 21 16 | 16 42 | 0 1 | 3 25 |
| M22 | 21 32 | 0 5 | 4 18 | 16 25 | 1 29 | 22 34 | 0 15 | 22 47 | 0 35 | 4 52 | 1 26 | 12 22 | 2 10 | 22 36 | 0 30 | 8 41 | 1 13 | 4 19 | 16 5 | 21 30 | 21 16 | 16 39 | 0 1 | 3 24 |
| T 23 | 21 41 | 5s55 | 4 51 | 17 4 | 1 18 | 22 46 | 0 18 | 22 53 | 0 35 | 4 51 | 1 26 | 12 25 | 2 10 | 22 36 | 0 30 | 8 40 | 1 13 | 4 19 | 16 6 | 21 31 | 21 17 | 16 36 | 0 1 | 3 24 |
| W24 | 21 51 | 11 33 | 5 7 | 17 43 | 1 7 | 22 58 | 0 20 | 22 59 | 0 36 | 4 50 | 1 26 | 12 27 | 2 10 | 22 36 | 0 30 | 8 40 | 1 12 | 4 19 | 16 6 | 21 32 | 21 17 | 16 34 | 0 2 | 3 23 |
| T 25 | 21 59 | 16 33 | 5 6 | 18 22 | 0 56 | 23 8 | 0 22 | 23 4 | 0 36 | 4 50 | 1 25 | 12 29 | 2 10 | 22 35 | 0 30 | 8 40 | 1 12 | 4 18 | 16 6 | 21 33 | 21 18 | 16 31 | 0 2 | 3 22 |
| F 26 | 22 8 | 20 41 | 4 49 | 19 0 | 0 45 | 23 18 | 0 25 | 23 10 | 0 37 | 4 49 | 1 25 | 12 31 | 2 10 | 22 35 | 0 30 | 8 40 | 1 12 | 4 18 | 16 6 | 21 34 | 21 19 | 16 29 | 0 2 | 3 22 |
| S 27 | 22 16 | 23 44 | 4 17 | 19 37 | 0 34 | 23 27 | 0 27 | 23 15 | 0 37 | 4 49 | 1 25 | 12 33 | 2 10 | 22 34 | 0 30 | 8 40 | 1 12 | 4 18 | 16 6 | 21 35 | 21 19 | 16 26 | 0 2 | 3 21 |
| S 28 | 22 24 | 25 30 | 3 32 | 20 14 | 0 23 | 23 36 | 0 29 | 23 20 | 0 38 | 4 48 | 1 24 | 12 36 | 2 10 | 22 34 | 0 30 | 8 40 | 1 12 | 4 18 | 16 7 | 21 36 | 21 20 | 16 23 | 0 2 | 3 20 |
| M29 | 22 31 | 25 57 | 2 38 | 20 49 | 0 12 | 23 44 | 0 32 | 23 25 | 0 38 | 4 48 | 1 24 | 12 38 | 2 10 | 22 33 | 0 30 | 8 40 | 1 12 | 4 18 | 16 7 | 21 37 | 21 20 | 16 21 | 0 2 | 3 20 |
| T 30 | 22 38 | 25 6 | 1 38 | 21 22 | 0 1 | 23 51 | 0 34 | 23 30 | 0 39 | 4 48 | 1 24 | 12 40 | 2 10 | 22 33 | 0 30 | 8 39 | 1 12 | 4 18 | 16 7 | 21 38 | 21 21 | 16 18 | 0 2 | 3 19 |
| W31 | 22n44 | 23s 4 | 0s33 | 21n55 | 0n10 | 23n58 | 0n36 | 23n34 | 0n39 | 4s48 | 1n24 | 12n42 | 2s11 | 22n32 | 0n30 | 8n39 | 1n12 | 4s18 | 16s 7 | 21s38 | 21s21 | 16s16 | 0n 2 | 3s18 |

Julian Day Number = 2128797.5, Delta T = 16m52s
Ecliptic obliquity = 23°33'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'15, Lahiri = 11°32'16 Julian Calendar 1 May 1116 == Greg. Calendar 8 May 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## JUNE 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 3 20 | 16♊13'42 | 28♉32 | 10♊ 8 | 24♊ 8 | 17♊42 | 15°R21 | 9♉43 | 20♋ 8 | 10♍51 | 27♈55 | 22°D43 | 24♉16 | 10♒45 | 22♍21 | T 1 |
| F 2 | 17 7 17 | 17°10'52 | 10♒22 | 12°18 | 25°21 | 18°22 | 15♎20 | 9°50 | 20°11 | 10°51 | 27°56 | 22♉44 | 24°13 | 10°51 | 22°24 | F 2 |
| S 3 | 17 11 13 | 18° 8'03 | 22°10 | 14°28 | 26°35 | 19° 2 | 15°20 | 9°57 | 20°14 | 10°52 | 27°57 | 22°46 | 24° 9 | 10°58 | 22°26 | S 3 |
| S 4 | 17 15 10 | 19° 5'14 | 4♓ 1 | 16°39 | 27°49 | 19°42 | 15°19 | 10° 3 | 20°17 | 10°52 | 27°58 | 22°47 | 24° 6 | 11° 5 | 22°28 | S 4 |
| M 5 | 17 19 6 | 20° 2'24 | 15°59 | 18°50 | 29° 2 | 20°22 | 15°19 | 10°10 | 20°21 | 10°53 | 27°59 | 22°R48 | 24° 3 | 11°11 | 22°30 | M 5 |
| T 6 | 17 23 3 | 20°59'35 | 28° 9 | 21° 1 | 0♋16 | 21° 2 | 15°D19 | 10°16 | 20°24 | 10°54 | 28° 0 | 22°48 | 24° 0 | 11°18 | 22°33 | T 6 |
| W 7 | 17 26 59 | 21°56'45 | 10♈36 | 23°12 | 1°30 | 21°42 | 15°19 | 10°23 | 20°27 | 10°54 | 28° 1 | 22°47 | 23°57 | 11°25 | 22°36 | W 7 |
| T 8 | 17 30 56 | 22°53'56 | 23°25 | 25°23 | 2°43 | 22°22 | 15°20 | 10°29 | 20°31 | 10°55 | 28° 1 | 22°44 | 23°54 | 11°31 | 22°38 | T 8 |
| F 9 | 17 34 53 | 23°51'07 | 6♉37 | 27°32 | 3°57 | 23° 2 | 15°20 | 10°36 | 20°34 | 10°56 | 28° 2 | 22°40 | 23°50 | 11°38 | 22°41 | F 9 |
| S 10 | 17 38 49 | 24°48'18 | 20°14 | 29°41 | 5°11 | 23°42 | 15°21 | 10°42 | 20°37 | 10°57 | 28° 3 | 22°36 | 23°47 | 11°45 | 22°44 | S 10 |
| S 11 | 17 42 46 | 25°45'29 | 4♊15 | 1♋48 | 6°24 | 24°21 | 15°22 | 10°49 | 20°41 | 10°57 | 28° 4 | 22°32 | 23°44 | 11°51 | 22°47 | S 11 |
| M12 | 17 46 42 | 26°42'40 | 18°38 | 3°54 | 7°38 | 25° 1 | 15°23 | 10°55 | 20°44 | 10°58 | 28° 5 | 22°29 | 23°41 | 11°58 | 22°50 | M12 |
| T 13 | 17 50 39 | 27°39'51 | 3♋17 | 5°59 | 8°52 | 25°41 | 15°24 | 11° 1 | 20°48 | 10°59 | 28° 6 | 22°27 | 23°38 | 12° 5 | 22°54 | T 13 |
| W14 | 17 54 35 | 28°37'02 | 18° 4 | 8° 2 | 10° 5 | 26°20 | 15°25 | 11° 7 | 20°51 | 11° 0 | 28° 6 | 22°D26 | 23°34 | 12°11 | 22°57 | W14 |
| T 15 | 17 58 32 | 29°34'13 | 2♌54 | 10° 3 | 11°19 | 27° 0 | 15°27 | 11°13 | 20°55 | 11° 1 | 28° 7 | 22°26 | 23°31 | 12°18 | 23° 0 | T 15 |
| F 16 | 18 2 28 | 0♋31'24 | 17°38 | 12° 2 | 12°32 | 27°40 | 15°29 | 11°19 | 20°58 | 11° 2 | 28° 8 | 22°27 | 23°28 | 12°24 | 23° 4 | F 16 |
| S 17 | 18 6 25 | 1°28'34 | 2♍12 | 14° 0 | 13°46 | 28°19 | 15°31 | 11°25 | 21° 2 | 11° 3 | 28° 9 | 22°29 | 23°25 | 12°31 | 23° 8 | S 17 |
| S 18 | 18 10 22 | 2°25'45 | 16°30 | 15°55 | 15° 0 | 28°59 | 15°33 | 11°31 | 21° 5 | 11° 4 | 28° 9 | 22°30 | 23°22 | 12°38 | 23°11 | S 18 |
| M19 | 18 14 18 | 3°22'55 | 0♎32 | 17°49 | 16°13 | 29°38 | 15°35 | 11°37 | 21° 9 | 11° 5 | 28°10 | 22°R30 | 23°19 | 12°44 | 23°15 | M19 |
| T 20 | 18 18 15 | 4°20'05 | 14°15 | 19°41 | 17°27 | 0♋18 | 15°38 | 11°42 | 21°12 | 11° 6 | 28°11 | 22°30 | 23°15 | 12°51 | 23°19 | T 20 |
| W21 | 18 22 11 | 5°17'15 | 27°41 | 21°31 | 18°41 | 0°57 | 15°40 | 11°48 | 21°16 | 11° 7 | 28°11 | 22°29 | 23°12 | 12°58 | 23°23 | W21 |
| T 22 | 18 26 8 | 6°14'25 | 10♏50 | 23°19 | 19°54 | 1°37 | 15°43 | 11°54 | 21°19 | 11° 8 | 28°12 | 22°27 | 23° 9 | 13° 4 | 23°27 | T 22 |
| F 23 | 18 30 4 | 7°11'36 | 23°43 | 25° 5 | 21° 8 | 2°16 | 15°46 | 11°59 | 21°23 | 11°10 | 28°12 | 22°25 | 23° 6 | 13°11 | 23°32 | F 23 |
| S 24 | 18 34 1 | 8° 8'46 | 6♐22 | 26°49 | 22°21 | 2°55 | 15°49 | 12° 5 | 21°27 | 11°11 | 28°13 | 22°23 | 23° 3 | 13°18 | 23°36 | S 24 |
| S 25 | 18 37 57 | 9° 5'57 | 18°48 | 28°32 | 23°35 | 3°35 | 15°53 | 12°10 | 21°30 | 11°12 | 28°14 | 22°21 | 23° 0 | 13°24 | 23°40 | S 25 |
| M26 | 18 41 54 | 10° 3'08 | 1♑ 3 | 0♌12 | 24°49 | 4°14 | 15°56 | 12°16 | 21°34 | 11°13 | 28°14 | 22°20 | 22°56 | 13°31 | 23°45 | M26 |
| T 27 | 18 45 51 | 11° 0'19 | 13° 8 | 1°50 | 26° 2 | 4°53 | 16° 0 | 12°21 | 21°37 | 11°15 | 28°15 | 22°19 | 22°53 | 13°38 | 23°50 | T 27 |
| W28 | 18 49 47 | 11°57'31 | 25° 6 | 3°27 | 27°16 | 5°32 | 16° 4 | 12°26 | 21°41 | 11°16 | 28°15 | 22°D19 | 22°50 | 13°44 | 23°54 | W28 |
| T 29 | 18 53 44 | 12°54'43 | 6♒58 | 5° 1 | 28°29 | 6°12 | 16° 7 | 12°31 | 21°45 | 11°17 | 28°16 | 22°20 | 22°47 | 13°51 | 23°59 | T 29 |
| F 30 | 18 57 40 | 13♋51'56 | 18♒46 | 6♌34 | 29♋43 | 6♋51 | 16♎12 | 12♉36 | 21♋48 | 11♍19 | 28♈16 | 22♉20 | 22♉44 | 13♒58 | 24♍ 4 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n50 | 20s 2 | 0n32 | 22n25 | 0n20 | 24n 4 | 0n38 | 23n39 | 0n40 | 4s48 | 1n23 | 12n44 | 2s11 | 22n32 | 0n30 | 8n39 | 1n12 | 4s17 | 16s 7 | 21s38 | 21s22 | 16s13 | 0n 1 | 3s18 |
| F 2 | 22 56 | 16 12 | 1 35 | 22 53 | 0 31 | 24 9 | 0 40 | 23 43 | 0 40 | 4 48 | 1 23 | 12 46 | 2 11 | 22 31 | 0 30 | 8 39 | 1 12 | 4 17 | 16 8 | 21 38 | 21 23 | 16 10 | 0 1 | 3 17 |
| S 3 | 23 1 | 11 45 | 2 34 | 23 19 | 0 41 | 24 13 | 0 43 | 23 47 | 0 41 | 4 48 | 1 23 | 12 48 | 2 11 | 22 31 | 0 30 | 8 38 | 1 12 | 4 17 | 16 8 | 21 37 | 21 23 | 16 8 | 0 1 | 3 16 |
| S 4 | 23 6 | 6 52 | 3 27 | 23 43 | 0 50 | 24 17 | 0 45 | 23 50 | 0 41 | 4 48 | 1 22 | 12 50 | 2 11 | 22 30 | 0 30 | 8 38 | 1 12 | 4 17 | 16 8 | 21 37 | 21 24 | 16 5 | 0 1 | 3 16 |
| M 5 | 23 11 | 1 42 | 4 11 | 24 4 | 0 59 | 24 20 | 0 47 | 23 54 | 0 42 | 4 48 | 1 22 | 12 52 | 2 11 | 22 30 | 0 30 | 8 38 | 1 12 | 4 17 | 16 8 | 21 37 | 21 24 | 16 2 | 0 0 | 3 15 |
| T 6 | 23 15 | 3n37 | 4 45 | 24 22 | 1 7 | 24 22 | 0 49 | 23 57 | 0 42 | 4 48 | 1 22 | 12 54 | 2 11 | 22 29 | 0 30 | 8 38 | 1 12 | 4 17 | 16 9 | 21 37 | 21 25 | 16 0 | 0s 0 | 3 14 |
| W 7 | 23 19 | 8 54 | 5 6 | 24 38 | 1 15 | 24 24 | 0 51 | 24 0 | 0 43 | 4 48 | 1 22 | 12 56 | 2 11 | 22 29 | 0 30 | 8 37 | 1 12 | 4 17 | 16 9 | 21 37 | 21 25 | 15 57 | 0 1 | 3 14 |
| T 8 | 23 22 | 13 59 | 5 13 | 24 50 | 1 22 | 24 24 | 0 53 | 24 3 | 0 43 | 4 49 | 1 21 | 12 58 | 2 11 | 22 28 | 0 30 | 8 37 | 1 12 | 4 17 | 16 9 | 21 38 | 21 26 | 15 55 | 0 1 | 3 13 |
| F 9 | 23 25 | 18 34 | 5 4 | 25 0 | 1 28 | 24 25 | 0 55 | 24 6 | 0 43 | 4 49 | 1 21 | 13 0 | 2 11 | 22 28 | 0 30 | 8 37 | 1 12 | 4 17 | 16 9 | 21 38 | 21 26 | 15 52 | 0 2 | 3 12 |
| S 10 | 23 27 | 22 21 | 4 38 | 25 7 | 1 34 | 24 24 | 0 57 | 24 8 | 0 44 | 4 50 | 1 21 | 13 1 | 2 12 | 22 27 | 0 30 | 8 36 | 1 12 | 4 17 | 16 10 | 21 39 | 21 27 | 15 49 | 0 2 | 3 12 |
| S 11 | 23 29 | 24 56 | 3 54 | 25 12 | 1 39 | 24 23 | 0 59 | 24 10 | 0 44 | 4 50 | 1 20 | 13 3 | 2 12 | 22 27 | 0 30 | 8 36 | 1 12 | 4 17 | 16 10 | 21 40 | 21 28 | 15 47 | 0 3 | 3 11 |
| M12 | 23 31 | 25 59 | 2 55 | 25 13 | 1 43 | 24 20 | 1 0 | 24 12 | 0 45 | 4 51 | 1 20 | 13 5 | 2 12 | 22 26 | 0 30 | 8 36 | 1 12 | 4 17 | 16 10 | 21 40 | 21 28 | 15 44 | 0 4 | 3 11 |
| T 13 | 23 32 | 25 14 | 1 44 | 25 12 | 1 47 | 24 18 | 1 2 | 24 14 | 0 45 | 4 52 | 1 20 | 13 7 | 2 12 | 22 26 | 0 30 | 8 35 | 1 12 | 4 17 | 16 10 | 21 40 | 21 29 | 15 41 | 0 4 | 3 10 |
| W14 | 23 33 | 22 43 | 0 24 | 25 8 | 1 50 | 24 14 | 1 4 | 24 16 | 0 46 | 4 53 | 1 20 | 13 9 | 2 12 | 22 25 | 0 30 | 8 35 | 1 12 | 4 17 | 16 11 | 21 41 | 21 29 | 15 39 | 0 5 | 3 9 |
| T 15 | 23 33 | 18 40 | 0s57 | 25 2 | 1 52 | 24 10 | 1 6 | 24 17 | 0 46 | 4 54 | 1 19 | 13 10 | 2 12 | 22 25 | 0 30 | 8 35 | 1 12 | 4 17 | 16 11 | 21 41 | 21 30 | 15 36 | 0 6 | 3 9 |
| F 16 | 23 33 | 13 29 | 2 15 | 24 53 | 1 53 | 24 5 | 1 7 | 24 19 | 0 47 | 4 54 | 1 19 | 13 12 | 2 12 | 22 24 | 0 30 | 8 34 | 1 12 | 4 17 | 16 11 | 21 40 | 21 30 | 15 33 | 0 7 | 3 8 |
| S 17 | 23 33 | 7 36 | 3 22 | 24 42 | 1 54 | 23 59 | 1 9 | 24 20 | 0 47 | 4 55 | 1 19 | 13 14 | 2 13 | 22 24 | 0 30 | 8 34 | 1 12 | 4 17 | 16 11 | 21 40 | 21 31 | 15 31 | 0 8 | 3 7 |
| S 18 | 23 32 | 1 25 | 4 16 | 24 29 | 1 54 | 23 53 | 1 11 | 24 20 | 0 47 | 4 57 | 1 18 | 13 15 | 2 13 | 22 23 | 0 30 | 8 33 | 1 12 | 4 17 | 16 12 | 21 40 | 21 31 | 15 28 | 0 8 | 3 7 |
| M19 | 23 31 | 4s41 | 4 53 | 24 13 | 1 53 | 23 45 | 1 12 | 24 21 | 0 48 | 4 58 | 1 18 | 13 17 | 2 13 | 22 22 | 0 30 | 8 33 | 1 12 | 4 17 | 16 12 | 21 40 | 21 32 | 15 25 | 0 9 | 3 6 |
| T 20 | 23 29 | 10 27 | 5 13 | 23 56 | 1 51 | 23 38 | 1 14 | 24 22 | 0 48 | 4 59 | 1 18 | 13 19 | 2 13 | 22 22 | 0 30 | 8 32 | 1 12 | 4 17 | 16 12 | 21 40 | 21 32 | 15 23 | 0 10 | 3 6 |
| W21 | 23 27 | 15 35 | 5 15 | 23 38 | 1 49 | 23 29 | 1 15 | 24 22 | 0 49 | 5 0 | 1 18 | 13 20 | 2 13 | 22 21 | 0 30 | 8 32 | 1 12 | 4 17 | 16 13 | 21 40 | 21 33 | 15 20 | 0 11 | 3 5 |
| T 22 | 23 24 | 19 53 | 5 0 | 23 17 | 1 47 | 23 20 | 1 16 | 24 22 | 0 49 | 5 2 | 1 17 | 13 22 | 2 13 | 22 21 | 0 30 | 8 32 | 1 12 | 4 17 | 16 13 | 21 40 | 21 33 | 15 17 | 0 13 | 3 4 |
| F 23 | 23 21 | 23 9 | 4 30 | 22 55 | 1 44 | 23 10 | 1 18 | 24 22 | 0 49 | 5 3 | 1 17 | 13 23 | 2 13 | 22 20 | 0 30 | 8 31 | 1 12 | 4 17 | 16 13 | 21 41 | 21 34 | 15 15 | 0 14 | 3 4 |
| S 24 | 23 18 | 25 13 | 3 48 | 22 32 | 1 40 | 22 59 | 1 19 | 24 21 | 0 50 | 5 4 | 1 17 | 13 25 | 2 14 | 22 20 | 0 30 | 8 31 | 1 12 | 4 17 | 16 13 | 21 41 | 21 35 | 15 12 | 0 15 | 3 3 |
| S 25 | 23 14 | 25 59 | 2 55 | 22 7 | 1 36 | 22 48 | 1 20 | 24 21 | 0 50 | 5 6 | 1 17 | 13 26 | 2 14 | 22 19 | 0 30 | 8 30 | 1 12 | 4 17 | 16 14 | 21 41 | 21 35 | 15 9 | 0 16 | 3 3 |
| M26 | 23 10 | 25 28 | 1 55 | 21 41 | 1 31 | 22 36 | 1 21 | 24 20 | 0 51 | 5 8 | 1 16 | 13 28 | 2 14 | 22 18 | 0 30 | 8 30 | 1 12 | 4 17 | 16 14 | 21 42 | 21 36 | 15 7 | 0 17 | 3 2 |
| T 27 | 23 6 | 23 45 | 0 51 | 21 14 | 1 26 | 22 24 | 1 23 | 24 19 | 0 51 | 5 9 | 1 16 | 13 29 | 2 14 | 22 18 | 0 30 | 8 29 | 1 11 | 4 17 | 16 14 | 21 42 | 21 36 | 15 4 | 0 19 | 3 1 |
| W28 | 23 1 | 20 58 | 0n15 | 20 46 | 1 20 | 22 10 | 1 24 | 24 18 | 0 52 | 5 11 | 1 16 | 13 31 | 2 14 | 22 17 | 0 30 | 8 29 | 1 11 | 4 17 | 16 15 | 21 42 | 21 37 | 15 1 | 0 20 | 3 1 |
| T 29 | 22 55 | 17 20 | 1 20 | 20 18 | 1 14 | 21 56 | 1 25 | 24 16 | 0 52 | 5 13 | 1 15 | 13 32 | 2 14 | 22 17 | 0 30 | 8 28 | 1 11 | 4 17 | 16 15 | 21 42 | 21 37 | 14 58 | 0 21 | 3 0 |
| F 30 | 22n50 | 13s 2 | 2n22 | 19n48 | 1n 7 | 21n42 | 1n25 | 24n15 | 0n52 | 5s15 | 1n15 | 13n34 | 2s15 | 22n16 | 0n30 | 8n27 | 1n11 | 4s18 | 16s15 | 21s42 | 21s38 | 14s56 | 0s23 | 3s 0 |

Julian Day Number = 2128828.5, Delta T = 16m51s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'19, Lahiri = 11°32'20 Julian Calendar 1 June 1116 == Greg. Calendar 8 June 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## JULY 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 1 37 | 14♋49'09 | 0♓34 | 8♌ 4 | 0♌57 | 7♋30 | 16♎16 | 12♉41 | 21♋52 | 11♍20 | 28♈17 | 22♏21 | 22♏40 | 14♒ 4 | 24♍ 9 | S 1 |
| S 2 | 19 5 33 | 15°46'24 | 12°26 | 9°33 | 2°10 | 8° 9 | 16°20 | 12°46 | 21°56 | 11°21 | 28°17 | 22°22 | 22°37 | 14°11 | 24°14 | S 2 |
| M 3 | 19 9 30 | 16°43'39 | 24°25 | 11° 0 | 3°24 | 8°48 | 16°25 | 12°51 | 21°59 | 11°23 | 28°17 | 22°22 | 22°34 | 14°18 | 24°19 | M 3 |
| T 4 | 19 13 26 | 17°40'55 | 6♈35 | 12°24 | 4°37 | 9°27 | 16°30 | 12°56 | 22° 3 | 11°24 | 28°18 | 22°23 | 22°31 | 14°24 | 24°24 | T 4 |
| W 5 | 19 17 23 | 18°38'12 | 19° 0 | 13°47 | 5°51 | 10° 6 | 16°35 | 13° 0 | 22° 7 | 11°26 | 28°18 | 22°R23 | 22°28 | 14°31 | 24°30 | W 5 |
| T 6 | 19 21 20 | 19°35'30 | 1♉45 | 15° 7 | 7° 4 | 10°45 | 16°40 | 13° 5 | 22°10 | 11°27 | 28°19 | 22°23 | 22°25 | 14°38 | 24°35 | T 6 |
| F 7 | 19 25 16 | 20°32'49 | 14°53 | 16°26 | 8°18 | 11°24 | 16°45 | 13° 9 | 22°14 | 11°29 | 28°19 | 22°22 | 22°21 | 14°44 | 24°41 | F 7 |
| S 8 | 19 29 13 | 21°30'09 | 28°27 | 17°42 | 9°31 | 12° 3 | 16°50 | 13°14 | 22°18 | 11°30 | 28°19 | 22°22 | 22°18 | 14°51 | 24°46 | S 8 |
| S 9 | 19 33 9 | 22°27'30 | 12♊28 | 18°56 | 10°45 | 12°42 | 16°56 | 13°18 | 22°22 | 11°32 | 28°20 | 22°D22 | 22°15 | 14°58 | 24°52 | S 9 |
| M10 | 19 37 6 | 23°24'52 | 26°53 | 20° 8 | 11°59 | 13°21 | 17° 2 | 13°23 | 22°25 | 11°34 | 28°20 | 22°22 | 22°12 | 15° 4 | 24°57 | M10 |
| T 11 | 19 41 2 | 24°22'16 | 11♋40 | 21°17 | 13°12 | 14° 0 | 17° 7 | 13°27 | 22°29 | 11°35 | 28°20 | 22°22 | 22° 9 | 15°11 | 25° 3 | T 11 |
| W12 | 19 44 59 | 25°19'40 | 26°41 | 22°24 | 14°26 | 14°39 | 17°13 | 13°31 | 22°33 | 11°37 | 28°20 | 22°R23 | 22° 6 | 15°18 | 25° 9 | W12 |
| T 13 | 19 48 56 | 26°17'05 | 11♌48 | 23°29 | 15°39 | 15°18 | 17°19 | 13°35 | 22°36 | 11°39 | 28°20 | 22°22 | 22° 2 | 15°24 | 25°15 | T 13 |
| F 14 | 19 52 52 | 27°14'31 | 26°52 | 24°30 | 16°53 | 15°56 | 17°26 | 13°39 | 22°40 | 11°40 | 28°21 | 22°22 | 21°59 | 15°31 | 25°21 | F 14 |
| S 15 | 19 56 49 | 28°11'58 | 11♍45 | 25°30 | 18° 6 | 16°35 | 17°32 | 13°43 | 22°44 | 11°42 | 28°21 | 22°21 | 21°56 | 15°38 | 25°27 | S 15 |
| S 16 | 20 0 45 | 29° 9'25 | 26°20 | 26°26 | 19°20 | 17°14 | 17°39 | 13°46 | 22°47 | 11°44 | 28°21 | 22°21 | 21°53 | 15°44 | 25°33 | S 16 |
| M17 | 20 4 42 | 0♌ 6'53 | 10♎32 | 27°19 | 20°33 | 17°53 | 17°45 | 13°50 | 22°51 | 11°45 | 28°21 | 22°20 | 21°50 | 15°51 | 25°40 | M17 |
| T 18 | 20 8 38 | 1° 4'22 | 24°20 | 28° 9 | 21°47 | 18°31 | 17°52 | 13°53 | 22°55 | 11°47 | 28°21 | 22°20 | 21°46 | 15°57 | 25°46 | T 18 |
| W19 | 20 12 35 | 2° 1'52 | 7♏43 | 28°56 | 23° 0 | 19°10 | 17°59 | 13°57 | 22°58 | 11°49 | 28°21 | 22°D20 | 21°43 | 16° 4 | 25°52 | W19 |
| T 20 | 20 16 31 | 2°59'23 | 20°44 | 29°39 | 24°14 | 19°49 | 18° 6 | 14° 0 | 23° 2 | 11°51 | 28°21 | 22°20 | 21°40 | 16°11 | 25°59 | T 20 |
| F 21 | 20 20 28 | 3°56'55 | 3♐26 | 0♍19 | 25°27 | 20°27 | 18°13 | 14° 4 | 23° 6 | 11°53 | 28°21 | 22°21 | 21°37 | 16°17 | 26° 5 | F 21 |
| S 22 | 20 24 25 | 4°54'27 | 15°51 | 0°55 | 26°41 | 21° 6 | 18°21 | 14° 7 | 23° 9 | 11°54 | 28°R21 | 22°22 | 21°34 | 16°24 | 26°12 | S 22 |
| S 23 | 20 28 21 | 5°52'01 | 28° 4 | 1°26 | 27°54 | 21°44 | 18°28 | 14°10 | 23°13 | 11°56 | 28°21 | 22°23 | 21°31 | 16°31 | 26°19 | S 23 |
| M24 | 20 32 18 | 6°49'36 | 10♑ 6 | 1°54 | 29° 7 | 22°23 | 18°36 | 14°13 | 23°16 | 11°58 | 28°21 | 22°24 | 21°27 | 16°37 | 26°25 | M24 |
| T 25 | 20 36 14 | 7°47'11 | 22° 2 | 2°17 | 0♍21 | 23° 2 | 18°44 | 14°16 | 23°20 | 12° 0 | 28°21 | 22°R25 | 21°24 | 16°44 | 26°32 | T 25 |
| W26 | 20 40 11 | 8°44'48 | 3♒53 | 2°35 | 1°34 | 23°40 | 18°51 | 14°19 | 23°24 | 12° 2 | 28°21 | 22°24 | 21°21 | 16°51 | 26°39 | W26 |
| T 27 | 20 44 7 | 9°42'27 | 15°42 | 2°49 | 2°48 | 24°19 | 18°59 | 14°21 | 23°27 | 12° 4 | 28°21 | 22°23 | 21°18 | 16°57 | 26°46 | T 27 |
| F 28 | 20 48 4 | 10°40'06 | 27°30 | 2°57 | 4° 1 | 24°57 | 19° 8 | 14°24 | 23°31 | 12° 6 | 28°21 | 22°21 | 21°15 | 17° 4 | 26°53 | F 28 |
| S 29 | 20 52 0 | 11°37'47 | 9♓21 | 3°R 0 | 5°14 | 25°35 | 19°16 | 14°26 | 23°34 | 12° 8 | 28°21 | 22°18 | 21°12 | 17°11 | 27° 0 | S 29 |
| S 30 | 20 55 57 | 12°35'30 | 21°17 | 2°57 | 6°28 | 26°14 | 19°24 | 14°29 | 23°38 | 12°10 | 28°21 | 22°15 | 21° 8 | 17°17 | 27° 7 | S 30 |
| M31 | 20 59 54 | 13♌33'14 | 3♈19 | 2♍49 | 7♍41 | 26♋52 | 19♎33 | 14♉31 | 23♋41 | 12♍12 | 28♈21 | 22♏12 | 21♑ 5 | 17♒24 | 27♍14 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n44 | 8s15 | 3n17 | 19n18 | 1n 0 | 21n27 | 1n26 | 24n13 | 0n53 | 5s16 | 1n15 | 13n35 | 2s15 | 22n16 | 0n30 | 8n27 | 1n11 | 4s18 | 16s16 | 21s41 | 21s38 | 14s53 | 0s24 | 2s59 |
| S 2 | 22 37 | 3 10 | 4 4 | 18 47 | 0 52 | 21 11 | 1 27 | 24 11 | 0 53 | 5 18 | 1 15 | 13 36 | 2 15 | 22 15 | 0 30 | 8 26 | 1 11 | 4 18 | 16 16 | 21 41 | 21 39 | 14 50 | 0 26 | 2 59 |
| M 3 | 22 30 | 2n 4 | 4 41 | 18 16 | 0 44 | 20 55 | 1 28 | 24 9 | 0 54 | 5 20 | 1 14 | 13 38 | 2 15 | 22 14 | 0 30 | 8 26 | 1 11 | 4 18 | 16 16 | 21 41 | 21 39 | 14 48 | 0 27 | 2 58 |
| T 4 | 22 23 | 7 18 | 5 6 | 17 44 | 0 36 | 20 38 | 1 28 | 24 7 | 0 54 | 5 23 | 1 14 | 13 39 | 2 15 | 22 14 | 0 30 | 8 25 | 1 11 | 4 18 | 16 16 | 21 41 | 21 40 | 14 45 | 0 29 | 2 57 |
| W 5 | 22 15 | 12 21 | 5 17 | 17 13 | 0 28 | 20 20 | 1 29 | 24 4 | 0 54 | 5 25 | 1 14 | 13 40 | 2 15 | 22 13 | 0 30 | 8 25 | 1 11 | 4 18 | 16 17 | 21 41 | 21 40 | 14 42 | 0 30 | 2 57 |
| T 6 | 22 7 | 17 2 | 5 13 | 16 40 | 0 19 | 20 2 | 1 30 | 24 1 | 0 55 | 5 27 | 1 14 | 13 41 | 2 16 | 22 13 | 0 30 | 8 24 | 1 11 | 4 19 | 16 17 | 21 41 | 21 41 | 14 40 | 0 32 | 2 56 |
| F 7 | 21 59 | 21 3 | 4 54 | 16 8 | 0 9 | 19 44 | 1 30 | 23 59 | 0 55 | 5 29 | 1 13 | 13 42 | 2 16 | 22 12 | 0 30 | 8 23 | 1 11 | 4 19 | 16 17 | 21 41 | 21 41 | 14 37 | 0 34 | 2 56 |
| S 8 | 21 50 | 24 5 | 4 17 | 15 36 | 0s 0 | 19 24 | 1 30 | 23 56 | 0 55 | 5 31 | 1 13 | 13 44 | 2 16 | 22 11 | 0 30 | 8 23 | 1 11 | 4 19 | 16 18 | 21 41 | 21 42 | 14 34 | 0 35 | 2 55 |
| S 9 | 21 40 | 25 46 | 3 24 | 15 3 | 0 10 | 19 5 | 1 31 | 23 52 | 0 56 | 5 34 | 1 13 | 13 45 | 2 16 | 22 11 | 0 30 | 8 22 | 1 11 | 4 19 | 16 18 | 21 41 | 21 42 | 14 31 | 0 37 | 2 55 |
| M10 | 21 31 | 25 48 | 2 17 | 14 31 | 0 20 | 18 44 | 1 31 | 23 49 | 0 56 | 5 36 | 1 13 | 13 46 | 2 16 | 22 10 | 0 30 | 8 22 | 1 11 | 4 19 | 16 18 | 21 41 | 21 43 | 14 29 | 0 39 | 2 54 |
| T 11 | 21 21 | 24 1 | 0 59 | 13 59 | 0 31 | 18 24 | 1 31 | 23 45 | 0 57 | 5 39 | 1 12 | 13 47 | 2 16 | 22 10 | 0 30 | 8 21 | 1 11 | 4 20 | 16 19 | 21 41 | 21 43 | 14 26 | 0 41 | 2 54 |
| W12 | 21 10 | 20 32 | 0s24 | 13 27 | 0 41 | 18 2 | 1 31 | 23 41 | 0 57 | 5 41 | 1 12 | 13 48 | 2 17 | 22 9 | 0 30 | 8 20 | 1 11 | 4 20 | 16 19 | 21 41 | 21 44 | 14 23 | 0 43 | 2 53 |
| T 13 | 21 0 | 15 38 | 1 46 | 12 56 | 0 52 | 17 40 | 1 31 | 23 37 | 0 57 | 5 44 | 1 12 | 13 49 | 2 17 | 22 8 | 0 30 | 8 20 | 1 11 | 4 20 | 16 19 | 21 41 | 21 45 | 14 20 | 0 45 | 2 53 |
| F 14 | 20 49 | 9 48 | 3 0 | 12 25 | 1 3 | 17 18 | 1 31 | 23 33 | 0 58 | 5 46 | 1 12 | 13 50 | 2 17 | 22 8 | 0 30 | 8 19 | 1 11 | 4 20 | 16 20 | 21 41 | 21 45 | 14 18 | 0 46 | 2 52 |
| S 15 | 20 37 | 3 28 | 4 1 | 11 55 | 1 15 | 16 55 | 1 31 | 23 29 | 0 58 | 5 49 | 1 11 | 13 51 | 2 17 | 22 7 | 0 30 | 8 18 | 1 11 | 4 20 | 16 20 | 21 41 | 21 46 | 14 15 | 0 48 | 2 52 |
| S 16 | 20 26 | 2s54 | 4 45 | 11 25 | 1 26 | 16 32 | 1 31 | 23 24 | 0 58 | 5 52 | 1 11 | 13 52 | 2 17 | 22 7 | 0 30 | 8 18 | 1 11 | 4 21 | 16 20 | 21 42 | 21 46 | 14 12 | 0 50 | 2 51 |
| M17 | 20 13 | 8 57 | 5 11 | 10 56 | 1 38 | 16 9 | 1 31 | 23 19 | 0 59 | 5 55 | 1 11 | 13 53 | 2 18 | 22 6 | 0 30 | 8 17 | 1 11 | 4 21 | 16 21 | 21 42 | 21 47 | 14 10 | 0 52 | 2 50 |
| T 18 | 20 1 | 14 23 | 5 17 | 10 28 | 1 49 | 15 45 | 1 31 | 23 15 | 0 59 | 5 57 | 1 11 | 13 53 | 2 18 | 22 5 | 0 30 | 8 16 | 1 11 | 4 21 | 16 21 | 21 42 | 21 47 | 14 7 | 0 54 | 2 50 |
| W19 | 19 48 | 18 58 | 5 6 | 10 1 | 2 1 | 15 20 | 1 30 | 23 9 | 0 59 | 6 0 | 1 10 | 13 54 | 2 18 | 22 5 | 0 30 | 8 15 | 1 11 | 4 21 | 16 21 | 21 42 | 21 48 | 14 4 | 0 57 | 2 49 |
| T 20 | 19 35 | 22 30 | 4 39 | 9 35 | 2 13 | 14 55 | 1 30 | 23 4 | 1 0 | 6 3 | 1 10 | 13 55 | 2 18 | 22 4 | 0 30 | 8 15 | 1 11 | 4 22 | 16 22 | 21 42 | 21 48 | 14 1 | 0 59 | 2 49 |
| F 21 | 19 22 | 24 51 | 3 59 | 9 10 | 2 24 | 14 30 | 1 29 | 22 59 | 1 0 | 6 6 | 1 10 | 13 56 | 2 18 | 22 4 | 0 30 | 8 14 | 1 11 | 4 22 | 16 22 | 21 41 | 21 49 | 13 59 | 1 1 | 2 48 |
| S 22 | 19 8 | 25 56 | 3 9 | 8 46 | 2 36 | 14 4 | 1 29 | 22 53 | 1 0 | 6 9 | 1 10 | 13 57 | 2 19 | 22 3 | 0 30 | 8 13 | 1 11 | 4 22 | 16 22 | 21 41 | 21 49 | 13 56 | 1 3 | 2 48 |
| S 23 | 18 54 | 25 43 | 2 11 | 8 24 | 2 48 | 13 38 | 1 28 | 22 47 | 1 1 | 6 12 | 1 9 | 13 57 | 2 19 | 22 2 | 0 30 | 8 13 | 1 11 | 4 23 | 16 22 | 21 41 | 21 50 | 13 53 | 1 5 | 2 48 |
| M24 | 18 39 | 24 18 | 1 8 | 8 4 | 2 59 | 13 12 | 1 27 | 22 41 | 1 1 | 6 15 | 1 9 | 13 58 | 2 19 | 22 2 | 0 30 | 8 12 | 1 11 | 4 23 | 16 23 | 21 41 | 21 50 | 13 50 | 1 7 | 2 47 |
| T 25 | 18 25 | 21 47 | 0 2 | 7 45 | 3 10 | 12 45 | 1 27 | 22 35 | 1 1 | 6 19 | 1 9 | 13 59 | 2 19 | 22 1 | 0 30 | 8 11 | 1 11 | 4 23 | 16 23 | 21 41 | 21 51 | 13 48 | 1 10 | 2 47 |
| W26 | 18 10 | 18 21 | 1n 3 | 7 28 | 3 21 | 12 18 | 1 26 | 22 29 | 1 2 | 6 22 | 1 9 | 13 59 | 2 20 | 22 1 | 0 30 | 8 10 | 1 11 | 4 24 | 16 23 | 21 41 | 21 51 | 13 45 | 1 12 | 2 46 |
| T 27 | 17 54 | 14 13 | 2 5 | 7 14 | 3 32 | 11 51 | 1 25 | 22 23 | 1 2 | 6 25 | 1 8 | 14 0 | 2 20 | 22 0 | 0 30 | 8 10 | 1 11 | 4 24 | 16 24 | 21 41 | 21 52 | 13 42 | 1 14 | 2 46 |
| F 28 | 17 39 | 9 33 | 3 2 | 7 1 | 3 42 | 11 23 | 1 24 | 22 16 | 1 2 | 6 28 | 1 8 | 14 0 | 2 20 | 21 59 | 0 30 | 8 9 | 1 11 | 4 24 | 16 24 | 21 41 | 21 52 | 13 39 | 1 17 | 2 45 |
| S 29 | 17 23 | 4 32 | 3 51 | 6 51 | 3 52 | 10 55 | 1 23 | 22 9 | 1 3 | 6 32 | 1 8 | 14 1 | 2 20 | 21 59 | 0 30 | 8 8 | 1 11 | 4 25 | 16 24 | 21 42 | 21 53 | 13 36 | 1 19 | 2 45 |
| S 30 | 17 7 | 0n40 | 4 30 | 6 44 | 4 1 | 10 27 | 1 22 | 22 2 | 1 3 | 6 35 | 1 8 | 14 1 | 2 20 | 21 58 | 0 30 | 8 7 | 1 11 | 4 25 | 16 25 | 21 42 | 21 53 | 13 34 | 1 21 | 2 44 |
| M31 | 16n50 | 5n53 | 4n58 | 6n39 | 4s 9 | 9n58 | 1n20 | 21n55 | 1n 3 | 6s38 | 1n 8 | 14n 2 | 2s21 | 21n58 | 0n30 | 8n 7 | 1n11 | 4s25 | 16s25 | 21s43 | 21s54 | 13s31 | 1s24 | 2s44 |

Julian Day Number = 2128858.5, Delta T = 16m51s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'23, Lahiri = 11°32'24 Julian Calendar 1 July 1116 == Greg. Calendar 8 July 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## AUGUST 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 3 50 | 14♌31'00 | 15♈32 | 2°R35 | 8♍54 | 27♋31 | 19♎41 | 14♉33 | 23♋45 | 12♍14 | 28°R20 | 22°R 9 | 21♑ 2 | 17♒31 | 27♍21 | T 1 |
| W 2 | 21 7 47 | 15°28'47 | 27°58 | 2♍15 | 10° 8 | 28° 9 | 19°50 | 14°35 | 23°48 | 12°16 | 28♈20 | 22♑ 7 | 20°59 | 17°37 | 27°29 | W 2 |
| T 3 | 21 11 43 | 16°26'37 | 10♉41 | 1°50 | 11°21 | 28°47 | 19°59 | 14°37 | 23°52 | 12°18 | 28°20 | 22°D 6 | 20°56 | 17°44 | 27°36 | T 3 |
| F 4 | 21 15 40 | 17°24'28 | 23°43 | 1°19 | 12°34 | 29°26 | 20° 7 | 14°39 | 23°55 | 12°20 | 28°20 | 22° 6 | 20°52 | 17°51 | 27°43 | F 4 |
| S 5 | 21 19 36 | 18°22'21 | 7♊ 9 | 0°42 | 13°47 | 0♌ 4 | 20°16 | 14°41 | 23°59 | 12°22 | 28°19 | 22° 7 | 20°49 | 17°57 | 27°51 | S 5 |
| S 6 | 21 23 33 | 19°20'16 | 21° 1 | 0° 1 | 15° 1 | 0°42 | 20°26 | 14°43 | 24° 2 | 12°24 | 28°19 | 22° 8 | 20°46 | 18° 4 | 27°58 | S 6 |
| M 7 | 21 27 29 | 20°18'13 | 5♋17 | 29♌15 | 16°14 | 1°20 | 20°35 | 14°44 | 24° 6 | 12°26 | 28°19 | 22° 9 | 20°43 | 18°11 | 28° 6 | M 7 |
| T 8 | 21 31 26 | 21°16'11 | 19°58 | 28°25 | 17°27 | 1°59 | 20°44 | 14°46 | 24° 9 | 12°28 | 28°19 | 22°R10 | 20°40 | 18°17 | 28°13 | T 8 |
| W 9 | 21 35 23 | 22°14'12 | 4♌58 | 27°32 | 18°40 | 2°37 | 20°54 | 14°47 | 24°13 | 12°30 | 28°18 | 22°10 | 20°37 | 18°24 | 28°21 | W 9 |
| T 10 | 21 39 19 | 23°12'14 | 20° 9 | 26°36 | 19°54 | 3°15 | 21° 3 | 14°48 | 24°16 | 12°33 | 28°18 | 22° 8 | 20°33 | 18°31 | 28°29 | T 10 |
| F 11 | 21 43 16 | 24°10'17 | 5♍22 | 25°40 | 21° 7 | 3°53 | 21°13 | 14°49 | 24°19 | 12°35 | 28°17 | 22° 4 | 20°30 | 18°37 | 28°36 | F 11 |
| S 12 | 21 47 12 | 25° 8'23 | 20°27 | 24°44 | 22°20 | 4°31 | 21°23 | 14°51 | 24°22 | 12°37 | 28°17 | 22° 0 | 20°27 | 18°44 | 28°44 | S 12 |
| S 13 | 21 51 9 | 26° 6'30 | 5♎16 | 23°48 | 23°33 | 5° 9 | 21°32 | 14°51 | 24°26 | 12°39 | 28°17 | 21°55 | 20°24 | 18°51 | 28°52 | S 13 |
| M14 | 21 55 5 | 27° 4'38 | 19°40 | 22°56 | 24°46 | 5°48 | 21°42 | 14°52 | 24°29 | 12°41 | 28°16 | 21°50 | 20°21 | 18°57 | 29° 0 | M14 |
| T 15 | 21 59 2 | 28° 2'48 | 3♏36 | 22° 7 | 25°59 | 6°26 | 21°52 | 14°53 | 24°32 | 12°43 | 28°16 | 21°47 | 20°17 | 19° 4 | 29° 8 | T 15 |
| W16 | 22 2 58 | 29° 0'59 | 17° 4 | 21°23 | 27°12 | 7° 4 | 22° 2 | 14°54 | 24°35 | 12°46 | 28°15 | 21°44 | 20°14 | 19°11 | 29°16 | W16 |
| T 17 | 22 6 55 | 29°59'12 | 0♐ 6 | 20°44 | 28°26 | 7°42 | 22°13 | 14°54 | 24°39 | 12°48 | 28°15 | 21°D44 | 20°11 | 19°17 | 29°24 | T 17 |
| F 18 | 22 10 52 | 0♍57'27 | 12°44 | 20°13 | 29°39 | 8°20 | 22°23 | 14°55 | 24°42 | 12°50 | 28°14 | 21°44 | 20° 8 | 19°24 | 29°32 | F 18 |
| S 19 | 22 14 48 | 1°55'43 | 25° 3 | 19°49 | 0♎52 | 8°58 | 22°33 | 14°55 | 24°45 | 12°52 | 28°14 | 21°46 | 20° 5 | 19°31 | 29°40 | S 19 |
| S 20 | 22 18 45 | 2°54'01 | 7♑ 9 | 19°33 | 2° 5 | 9°36 | 22°44 | 14°55 | 24°48 | 12°54 | 28°13 | 21°47 | 20° 2 | 19°37 | 29°48 | S 20 |
| M21 | 22 22 41 | 3°52'20 | 19° 4 | 19°D26 | 3°18 | 10°14 | 22°54 | 14°R55 | 24°51 | 12°57 | 28°12 | 21°R48 | 19°58 | 19°44 | 29°56 | M21 |
| T 22 | 22 26 38 | 4°50'41 | 0♒54 | 19°28 | 4°31 | 10°52 | 23° 5 | 14°55 | 24°54 | 12°59 | 28°12 | 21°48 | 19°55 | 19°51 | 0♎ 4 | T 22 |
| W23 | 22 30 34 | 5°49'04 | 12°42 | 19°39 | 5°44 | 11°30 | 23°16 | 14°55 | 24°57 | 13° 1 | 28°11 | 21°45 | 19°52 | 19°57 | 0°12 | W23 |
| T 24 | 22 34 31 | 6°47'28 | 24°31 | 20° 0 | 6°56 | 12° 7 | 23°27 | 14°55 | 25° 0 | 13° 3 | 28°11 | 21°41 | 19°49 | 20° 4 | 0°21 | T 24 |
| F 25 | 22 38 27 | 7°45'55 | 6♓23 | 20°29 | 8° 9 | 12°45 | 23°38 | 14°54 | 25° 3 | 13° 5 | 28°10 | 21°35 | 19°46 | 20°11 | 0°29 | F 25 |
| S 26 | 22 42 24 | 8°44'23 | 18°20 | 21° 7 | 9°22 | 13°23 | 23°48 | 14°54 | 25° 6 | 13° 8 | 28° 9 | 21°27 | 19°43 | 20°17 | 0°37 | S 26 |
| S 27 | 22 46 20 | 9°42'53 | 0♈24 | 21°54 | 10°35 | 14° 1 | 24° 0 | 14°53 | 25° 9 | 13°10 | 28° 9 | 21°18 | 19°39 | 20°24 | 0°46 | S 27 |
| M28 | 22 50 17 | 10°41'25 | 12°36 | 22°48 | 11°48 | 14°39 | 24°11 | 14°52 | 25°12 | 13°12 | 28° 8 | 21° 8 | 19°36 | 20°31 | 0°54 | M28 |
| T 29 | 22 54 14 | 11°40'00 | 24°58 | 23°50 | 13° 1 | 15°17 | 24°22 | 14°52 | 25°15 | 13°14 | 28° 7 | 21° 0 | 19°33 | 20°37 | 1° 2 | T 29 |
| W30 | 22 58 10 | 12°38'36 | 7♉31 | 24°59 | 14°14 | 15°54 | 24°33 | 14°51 | 25°17 | 13°17 | 28° 6 | 20°53 | 19°30 | 20°44 | 1°11 | W30 |
| T 31 | 23 2 7 | 13♍37'15 | 20♉17 | 26♌14 | 15♎26 | 16♌32 | 24♎44 | 14♉50 | 25♋20 | 13♍19 | 28♈ 6 | 20♑48 | 19♑27 | 20♒51 | 1♎19 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n33 | 10n57 | 5n13 | 6n37 | 4s16 | 9n29 | 1n19 | 21n48 | 1n 4 | 6s42 | 1n 7 | 14n 2 | 2s21 | 21n57 | 0n30 | 8n 6 | 1n11 | 4s26 | 16s25 | 21s43 | 21s54 | 13s28 | 1s26 | 2s43 |
| W 2 | 16 16 | 15 40 | 5 13 | 6 38 | 4 23 | 9 0 | 1 18 | 21 41 | 1 4 | 6 45 | 1 7 | 14 3 | 2 21 | 21 56 | 0 30 | 8 5 | 1 11 | 4 26 | 16 26 | 21 44 | 21 55 | 13 25 | 1 29 | 2 43 |
| T 3 | 15 59 | 19 49 | 4 58 | 6 42 | 4 28 | 8 31 | 1 16 | 21 33 | 1 4 | 6 49 | 1 7 | 14 3 | 2 21 | 21 56 | 0 30 | 8 4 | 1 11 | 4 26 | 16 26 | 21 44 | 21 55 | 13 23 | 1 31 | 2 42 |
| F 4 | 15 41 | 23 7 | 4 28 | 6 50 | 4 32 | 8 2 | 1 15 | 21 25 | 1 5 | 6 52 | 1 7 | 14 4 | 2 21 | 21 55 | 0 30 | 8 3 | 1 11 | 4 27 | 16 26 | 21 44 | 21 56 | 13 20 | 1 34 | 2 42 |
| S 5 | 15 24 | 25 16 | 3 43 | 7 0 | 4 34 | 7 32 | 1 13 | 21 18 | 1 5 | 6 56 | 1 7 | 14 4 | 2 22 | 21 55 | 0 30 | 8 3 | 1 11 | 4 27 | 16 27 | 21 44 | 21 56 | 13 17 | 1 36 | 2 42 |
| S 6 | 15 6 | 25 57 | 2 43 | 7 14 | 4 35 | 7 2 | 1 12 | 21 10 | 1 5 | 7 0 | 1 6 | 14 4 | 2 22 | 21 54 | 0 30 | 8 2 | 1 11 | 4 27 | 16 27 | 21 44 | 21 56 | 13 14 | 1 39 | 2 41 |
| M 7 | 14 47 | 24 58 | 1 31 | 7 31 | 4 34 | 6 32 | 1 10 | 21 1 | 1 6 | 7 3 | 1 6 | 14 4 | 2 22 | 21 53 | 0 30 | 8 1 | 1 11 | 4 28 | 16 27 | 21 43 | 21 57 | 13 12 | 1 42 | 2 41 |
| T 8 | 14 29 | 22 16 | 0 12 | 7 51 | 4 31 | 6 2 | 1 8 | 20 53 | 1 6 | 7 7 | 1 6 | 14 5 | 2 22 | 21 53 | 0 30 | 8 0 | 1 11 | 4 28 | 16 27 | 21 43 | 21 57 | 13 9 | 1 44 | 2 40 |
| W 9 | 14 10 | 18 0 | 1s10 | 8 13 | 4 26 | 5 31 | 1 6 | 20 45 | 1 6 | 7 11 | 1 6 | 14 5 | 2 23 | 21 52 | 0 30 | 7 59 | 1 11 | 4 29 | 16 28 | 21 43 | 21 58 | 13 6 | 1 47 | 2 40 |
| T 10 | 13 51 | 12 31 | 2 27 | 8 38 | 4 20 | 5 1 | 1 5 | 20 36 | 1 7 | 7 14 | 1 6 | 14 5 | 2 23 | 21 52 | 0 30 | 7 58 | 1 11 | 4 29 | 16 28 | 21 44 | 21 58 | 13 3 | 1 50 | 2 39 |
| F 11 | 13 32 | 6 16 | 3 35 | 9 5 | 4 11 | 4 30 | 1 3 | 20 27 | 1 7 | 7 18 | 1 5 | 14 5 | 2 23 | 21 51 | 0 30 | 7 58 | 1 11 | 4 29 | 16 28 | 21 44 | 21 59 | 13 0 | 1 52 | 2 39 |
| S 12 | 13 12 | 0s17 | 4 26 | 9 33 | 4 1 | 3 59 | 1 1 | 20 19 | 1 7 | 7 22 | 1 5 | 14 5 | 2 23 | 21 51 | 0 30 | 7 57 | 1 11 | 4 30 | 16 29 | 21 45 | 21 59 | 12 58 | 1 55 | 2 39 |
| S 13 | 12 53 | 6 40 | 4 59 | 10 3 | 3 49 | 3 28 | 0 58 | 20 10 | 1 7 | 7 26 | 1 5 | 14 5 | 2 23 | 21 50 | 0 30 | 7 56 | 1 11 | 4 30 | 16 29 | 21 46 | 22 0 | 12 55 | 1 58 | 2 38 |
| M14 | 12 33 | 12 32 | 5 12 | 10 33 | 3 35 | 2 57 | 0 56 | 20 1 | 1 8 | 7 30 | 1 5 | 14 5 | 2 24 | 21 50 | 0 30 | 7 55 | 1 11 | 4 31 | 16 29 | 21 46 | 22 0 | 12 52 | 2 1 | 2 38 |
| T 15 | 12 13 | 17 33 | 5 5 | 11 4 | 3 19 | 2 26 | 0 54 | 19 51 | 1 8 | 7 34 | 1 5 | 14 5 | 2 24 | 21 49 | 0 30 | 7 54 | 1 11 | 4 31 | 16 29 | 21 47 | 22 1 | 12 49 | 2 3 | 2 37 |
| W16 | 11 52 | 21 31 | 4 42 | 11 34 | 3 3 | 1 55 | 0 52 | 19 42 | 1 8 | 7 38 | 1 4 | 14 5 | 2 24 | 21 48 | 0 30 | 7 53 | 1 11 | 4 31 | 16 30 | 21 47 | 22 1 | 12 46 | 2 6 | 2 37 |
| T 17 | 11 32 | 24 15 | 4 5 | 12 2 | 2 45 | 1 23 | 0 50 | 19 32 | 1 9 | 7 42 | 1 4 | 14 5 | 2 24 | 21 48 | 0 30 | 7 53 | 1 11 | 4 32 | 16 30 | 21 47 | 22 2 | 12 44 | 2 9 | 2 37 |
| F 18 | 11 11 | 25 41 | 3 17 | 12 30 | 2 27 | 0 52 | 0 47 | 19 23 | 1 9 | 7 46 | 1 4 | 14 5 | 2 25 | 21 47 | 0 30 | 7 52 | 1 11 | 4 32 | 16 30 | 21 47 | 22 2 | 12 41 | 2 12 | 2 36 |
| S 19 | 10 50 | 25 48 | 2 20 | 12 55 | 2 8 | 0 21 | 0 45 | 19 13 | 1 9 | 7 50 | 1 4 | 14 5 | 2 25 | 21 47 | 0 30 | 7 51 | 1 11 | 4 33 | 16 31 | 21 47 | 22 3 | 12 38 | 2 15 | 2 36 |
| S 20 | 10 29 | 24 40 | 1 19 | 13 18 | 1 49 | 0s11 | 0 42 | 19 3 | 1 10 | 7 54 | 1 4 | 14 5 | 2 25 | 21 46 | 0 31 | 7 50 | 1 11 | 4 33 | 16 31 | 21 47 | 22 3 | 12 35 | 2 18 | 2 36 |
| M21 | 10 8 | 22 26 | 0 15 | 13 39 | 1 30 | 0 42 | 0 40 | 18 53 | 1 10 | 7 58 | 1 4 | 14 5 | 2 25 | 21 46 | 0 31 | 7 49 | 1 11 | 4 34 | 16 31 | 21 47 | 22 4 | 12 32 | 2 21 | 2 35 |
| T 22 | 9 47 | 19 15 | 0n49 | 13 56 | 1 11 | 1 14 | 0 37 | 18 43 | 1 10 | 8 2 | 1 3 | 14 4 | 2 25 | 21 45 | 0 31 | 7 48 | 1 11 | 4 34 | 16 31 | 21 47 | 22 4 | 12 30 | 2 24 | 2 35 |
| W23 | 9 25 | 15 18 | 1 51 | 14 10 | 0 52 | 1 45 | 0 35 | 18 33 | 1 10 | 8 6 | 1 3 | 14 4 | 2 26 | 21 45 | 0 31 | 7 48 | 1 11 | 4 35 | 16 32 | 21 47 | 22 5 | 12 27 | 2 27 | 2 34 |
| T 24 | 9 4 | 10 47 | 2 48 | 14 21 | 0 34 | 2 17 | 0 32 | 18 22 | 1 11 | 8 10 | 1 3 | 14 4 | 2 26 | 21 44 | 0 31 | 7 47 | 1 11 | 4 35 | 16 32 | 21 48 | 22 5 | 12 24 | 2 29 | 2 34 |
| F 25 | 8 42 | 5 51 | 3 37 | 14 28 | 0 17 | 2 48 | 0 29 | 18 12 | 1 11 | 8 15 | 1 3 | 14 3 | 2 26 | 21 44 | 0 31 | 7 46 | 1 11 | 4 35 | 16 32 | 21 49 | 22 6 | 12 21 | 2 32 | 2 34 |
| S 26 | 8 20 | 0 41 | 4 18 | 14 31 | 0 1 | 3 19 | 0 27 | 18 1 | 1 11 | 8 19 | 1 3 | 14 3 | 2 26 | 21 43 | 0 31 | 7 45 | 1 11 | 4 36 | 16 32 | 21 50 | 22 6 | 12 18 | 2 35 | 2 33 |
| S 27 | 7 58 | 4n33 | 4 47 | 14 30 | 0n15 | 3 51 | 0 24 | 17 50 | 1 11 | 8 23 | 1 3 | 14 3 | 2 27 | 21 43 | 0 31 | 7 44 | 1 11 | 4 36 | 16 33 | 21 52 | 22 6 | 12 15 | 2 38 | 2 33 |
| M28 | 7 36 | 9 39 | 5 3 | 14 26 | 0 29 | 4 22 | 0 21 | 17 40 | 1 12 | 8 27 | 1 2 | 14 2 | 2 27 | 21 42 | 0 31 | 7 43 | 1 11 | 4 37 | 16 33 | 21 53 | 22 7 | 12 13 | 2 41 | 2 33 |
| T 29 | 7 13 | 14 27 | 5 6 | 14 18 | 0 42 | 4 53 | 0 18 | 17 29 | 1 12 | 8 31 | 1 2 | 14 2 | 2 27 | 21 42 | 0 31 | 7 42 | 1 11 | 4 37 | 16 33 | 21 54 | 22 7 | 12 10 | 2 45 | 2 32 |
| W30 | 6 51 | 18 42 | 4 54 | 14 6 | 0 54 | 5 24 | 0 15 | 17 18 | 1 12 | 8 36 | 1 2 | 14 1 | 2 27 | 21 41 | 0 31 | 7 42 | 1 11 | 4 38 | 16 33 | 21 55 | 22 8 | 12 7 | 2 48 | 2 32 |
| T 31 | 6n28 | 22n11 | 4n27 | 13n51 | 1n 5 | 5s55 | 0n12 | 17n 6 | 1n13 | 8s40 | 1n 2 | 14n 1 | 2s27 | 21n41 | 0n31 | 7n41 | 1n11 | 4s38 | 16s33 | 21s56 | 22s 8 | 12s 4 | 2s51 | 2s32 |

Julian Day Number = 2128889.5, Delta T = 16m51s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'28, Lahiri = 11°32'28 Julian Calendar 1 Aug. 1116 == Greg. Calendar 8 Aug. 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## SEPTEMBER 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 6 3 | 14♍35'56 | 3♊19 | 27♌35 | 16♎39 | 17♌10 | 24♎56 | 14°R49 | 25♋23 | 13♍21 | 28°R 5 | 20°R46 | 19♑23 | 20♒57 | 1♎27 | F 1 |
| S 2 | 23 10 0 | 15°34'40 | 16°39 | 29° 1 | 17°52 | 17°48 | 25° 7 | 14♉47 | 25°26 | 13°23 | 28♈ 4 | 20°D45 | 19°20 | 21° 4 | 1°36 | S 2 |
| S 3 | 23 13 56 | 16°33'26 | 0♋20 | 0♍32 | 19° 4 | 18°25 | 25°19 | 14°46 | 25°28 | 13°25 | 28° 3 | 20♑46 | 19°17 | 21°11 | 1°44 | S 3 |
| M 4 | 23 17 53 | 17°32'14 | 14°23 | 2° 6 | 20°17 | 19° 3 | 25°31 | 14°45 | 25°31 | 13°28 | 28° 3 | 20°R46 | 19°14 | 21°17 | 1°53 | M 4 |
| T 5 | 23 21 49 | 18°31'04 | 28°48 | 3°44 | 21°30 | 19°41 | 25°42 | 14°43 | 25°33 | 13°30 | 28° 2 | 20°46 | 19°11 | 21°24 | 2° 2 | T 5 |
| W 6 | 23 25 46 | 19°29'57 | 13♌33 | 5°24 | 22°42 | 20°18 | 25°54 | 14°41 | 25°36 | 13°32 | 28° 1 | 20°44 | 19° 8 | 21°31 | 2°10 | W 6 |
| T 7 | 23 29 43 | 20°28'52 | 28°32 | 7° 6 | 23°55 | 20°56 | 26° 6 | 14°40 | 25°38 | 13°34 | 28° 0 | 20°40 | 19° 4 | 21°37 | 2°19 | T 7 |
| F 8 | 23 33 39 | 21°27'49 | 13♍38 | 8°50 | 25° 8 | 21°34 | 26°18 | 14°38 | 25°41 | 13°37 | 27°59 | 20°33 | 19° 1 | 21°44 | 2°27 | F 8 |
| S 9 | 23 37 36 | 22°26'48 | 28°42 | 10°36 | 26°20 | 22°11 | 26°30 | 14°36 | 25°43 | 13°39 | 27°58 | 20°24 | 18°58 | 21°51 | 2°36 | S 9 |
| S 10 | 23 41 32 | 23°25'49 | 13♎32 | 12°22 | 27°33 | 22°49 | 26°42 | 14°34 | 25°46 | 13°41 | 27°57 | 20°14 | 18°55 | 21°57 | 2°44 | S 10 |
| M11 | 23 45 29 | 24°24'52 | 28° 2 | 14°10 | 28°45 | 23°27 | 26°54 | 14°32 | 25°48 | 13°43 | 27°57 | 20° 5 | 18°52 | 22° 4 | 2°53 | M11 |
| T 12 | 23 49 25 | 25°23'57 | 12♏ 4 | 15°57 | 29°58 | 24° 4 | 27° 6 | 14°29 | 25°50 | 13°45 | 27°56 | 19°56 | 18°49 | 22°11 | 3° 2 | T 12 |
| W13 | 23 53 22 | 26°23'04 | 25°38 | 17°45 | 1♏10 | 24°42 | 27°18 | 14°27 | 25°52 | 13°48 | 27°55 | 19°50 | 18°45 | 22°17 | 3°10 | W13 |
| T 14 | 23 57 18 | 27°22'13 | 8♐44 | 19°33 | 2°22 | 25°19 | 27°30 | 14°25 | 25°55 | 13°50 | 27°54 | 19°46 | 18°42 | 22°24 | 3°19 | T 14 |
| F 15 | 0 1 15 | 28°21'24 | 21°24 | 21°21 | 3°35 | 25°57 | 27°42 | 14°22 | 25°57 | 13°52 | 27°53 | 19°45 | 18°39 | 22°31 | 3°28 | F 15 |
| S 16 | 0 5 12 | 29°20'36 | 3♑43 | 23° 8 | 4°47 | 26°34 | 27°55 | 14°19 | 25°59 | 13°54 | 27°52 | 19°D45 | 18°36 | 22°37 | 3°36 | S 16 |
| S 17 | 0 9 8 | 0♒19'51 | 15°47 | 24°56 | 5°59 | 27°12 | 28° 7 | 14°17 | 26° 1 | 13°56 | 27°51 | 19°R45 | 18°33 | 22°44 | 3°45 | S 17 |
| M18 | 0 13 5 | 1°19'07 | 27°41 | 26°42 | 7°12 | 27°49 | 28°20 | 14°14 | 26° 3 | 13°58 | 27°50 | 19°45 | 18°29 | 22°51 | 3°54 | M18 |
| T 19 | 0 17 1 | 2°18'25 | 9♒29 | 28°28 | 8°24 | 28°26 | 28°32 | 14°11 | 26° 5 | 14° 1 | 27°49 | 19°43 | 18°26 | 22°57 | 4° 2 | T 19 |
| W20 | 0 20 58 | 3°17'45 | 21°17 | 0♓14 | 9°36 | 29° 4 | 28°45 | 14° 8 | 26° 7 | 14° 3 | 27°48 | 19°39 | 18°23 | 23° 4 | 4°11 | W20 |
| T 21 | 0 24 54 | 4°17'06 | 3♈ 8 | 1°59 | 10°48 | 29°41 | 28°57 | 14° 5 | 26° 9 | 14° 5 | 27°47 | 19°32 | 18°20 | 23°11 | 4°20 | T 21 |
| F 22 | 0 28 51 | 5°16'30 | 15° 6 | 3°43 | 12° 0 | 0♍18 | 29°10 | 14° 1 | 26°11 | 14° 7 | 27°46 | 19°22 | 18°17 | 23°17 | 4°29 | F 22 |
| S 23 | 0 32 47 | 6°15'56 | 27°12 | 5°27 | 13°12 | 0°56 | 29°22 | 13°58 | 26°12 | 14° 9 | 27°45 | 19°10 | 18°14 | 23°24 | 4°37 | S 23 |
| S 24 | 0 36 44 | 7°15'23 | 9♈29 | 7° 9 | 14°24 | 1°33 | 29°35 | 13°55 | 26°14 | 14°11 | 27°44 | 18°57 | 18°10 | 23°31 | 4°46 | S 24 |
| M25 | 0 40 41 | 8°14'53 | 21°55 | 8°52 | 15°36 | 2°10 | 29°48 | 13°51 | 26°16 | 14°13 | 27°43 | 18°43 | 18° 7 | 23°37 | 4°55 | M25 |
| T 26 | 0 44 37 | 9°14'25 | 4♉32 | 10°33 | 16°48 | 2°48 | 0♏ 0 | 13°48 | 26°18 | 14°15 | 27°42 | 18°30 | 18° 4 | 23°44 | 5° 3 | T 26 |
| W27 | 0 48 34 | 10°13'59 | 17°20 | 12°14 | 18° 0 | 3°25 | 0°13 | 13°44 | 26°19 | 14°17 | 27°41 | 18°20 | 18° 1 | 23°51 | 5°12 | W27 |
| T 28 | 0 52 30 | 11°13'35 | 0♊20 | 13°54 | 19°12 | 4° 2 | 0°26 | 13°41 | 26°21 | 14°19 | 27°39 | 18°12 | 17°58 | 23°57 | 5°21 | T 28 |
| F 29 | 0 56 27 | 12°13'14 | 13°30 | 15°34 | 20°24 | 4°39 | 0°39 | 13°37 | 26°22 | 14°21 | 27°38 | 18° 7 | 17°54 | 24° 4 | 5°29 | F 29 |
| S 30 | 1 0 23 | 13♎12'55 | 26♊54 | 17♎13 | 21♏36 | 5♍17 | 0♏52 | 13♉33 | 26♋24 | 14♍23 | 27♈37 | 18♑ 4 | 17♑51 | 24♒11 | 5♎38 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n 6 | 24n37 | 3n46 | 13n32 | 1n15 | 6s26 | 0n 9 | 16n55 | 1n13 | 8s44 | 1n 2 | 14n 0 | 2s28 | 21n40 | 0n31 | 7n40 | 1n11 | 4s39 | 16s34 | 21s57 | 22s 9 | 12s 1 | 2s54 | 2s31 |
| S 2 | 5 43 | 25 45 | 2 53 | 13 10 | 1 23 | 6 56 | 0 6 | 16 44 | 1 13 | 8 49 | 1 2 | 14 0 | 2 28 | 21 40 | 0 31 | 7 39 | 1 11 | 4 39 | 16 34 | 21 57 | 22 9 | 11 59 | 2 57 | 2 31 |
| S 3 | 5 20 | 25 21 | 1 47 | 12 45 | 1 30 | 7 27 | 0 3 | 16 32 | 1 13 | 8 53 | 1 1 | 13 59 | 2 28 | 21 39 | 0 31 | 7 38 | 1 11 | 4 40 | 16 34 | 21 57 | 22 10 | 11 56 | 3 0 | 2 31 |
| M 4 | 4 57 | 23 20 | 0 34 | 12 17 | 1 37 | 7 57 | 0 0 | 16 21 | 1 14 | 8 58 | 1 1 | 13 59 | 2 28 | 21 39 | 0 31 | 7 37 | 1 11 | 4 40 | 16 34 | 21 56 | 22 10 | 11 53 | 3 3 | 2 30 |
| T 5 | 4 34 | 19 48 | 0s43 | 11 46 | 1 42 | 8 28 | 0s 3 | 16 9 | 1 14 | 9 2 | 1 1 | 13 58 | 2 28 | 21 38 | 0 31 | 7 36 | 1 11 | 4 41 | 16 35 | 21 56 | 22 11 | 11 50 | 3 6 | 2 30 |
| W 6 | 4 11 | 14 56 | 1 59 | 11 13 | 1 46 | 8 58 | 0 6 | 15 57 | 1 14 | 9 6 | 1 1 | 13 57 | 2 29 | 21 38 | 0 31 | 7 36 | 1 11 | 4 41 | 16 35 | 21 57 | 22 11 | 11 47 | 3 9 | 2 30 |
| T 7 | 3 47 | 9 6 | 3 8 | 10 38 | 1 49 | 9 28 | 0 9 | 15 46 | 1 14 | 9 11 | 1 1 | 13 57 | 2 29 | 21 37 | 0 31 | 7 35 | 1 11 | 4 42 | 16 35 | 21 57 | 22 11 | 11 44 | 3 12 | 2 30 |
| F 8 | 3 24 | 2 43 | 4 4 | 10 0 | 1 51 | 9 57 | 0 12 | 15 34 | 1 15 | 9 15 | 1 1 | 13 56 | 2 29 | 21 37 | 0 31 | 7 34 | 1 11 | 4 42 | 16 35 | 21 58 | 22 12 | 11 42 | 3 16 | 2 29 |
| S 9 | 3 1 | 3s48 | 4 42 | 9 22 | 1 52 | 10 27 | 0 15 | 15 22 | 1 15 | 9 20 | 1 1 | 13 55 | 2 29 | 21 37 | 0 31 | 7 33 | 1 11 | 4 42 | 16 35 | 22 0 | 22 12 | 11 39 | 3 19 | 2 29 |
| S 10 | 2 37 | 9 59 | 5 2 | 8 41 | 1 53 | 10 56 | 0 19 | 15 9 | 1 15 | 9 24 | 1 1 | 13 54 | 2 29 | 21 36 | 0 31 | 7 32 | 1 11 | 4 43 | 16 36 | 22 1 | 22 13 | 11 36 | 3 22 | 2 29 |
| M11 | 2 14 | 15 30 | 5 1 | 8 0 | 1 53 | 11 25 | 0 22 | 14 57 | 1 15 | 9 29 | 1 0 | 13 54 | 2 29 | 21 36 | 0 31 | 7 31 | 1 11 | 4 43 | 16 36 | 22 3 | 22 13 | 11 33 | 3 25 | 2 28 |
| T 12 | 1 50 | 20 0 | 4 42 | 7 17 | 1 52 | 11 54 | 0 25 | 14 45 | 1 15 | 9 33 | 1 0 | 13 53 | 2 30 | 21 35 | 0 31 | 7 31 | 1 11 | 4 44 | 16 36 | 22 4 | 22 14 | 11 30 | 3 28 | 2 28 |
| W13 | 1 27 | 23 15 | 4 7 | 6 33 | 1 50 | 12 23 | 0 28 | 14 33 | 1 16 | 9 38 | 1 0 | 13 52 | 2 30 | 21 35 | 0 31 | 7 30 | 1 11 | 4 44 | 16 36 | 22 5 | 22 14 | 11 27 | 3 32 | 2 28 |
| T 14 | 1 3 | 25 10 | 3 20 | 5 49 | 1 48 | 12 51 | 0 32 | 14 20 | 1 16 | 9 42 | 1 0 | 13 51 | 2 30 | 21 35 | 0 31 | 7 29 | 1 11 | 4 45 | 16 36 | 22 5 | 22 15 | 11 24 | 3 35 | 2 28 |
| F 15 | 0 39 | 25 41 | 2 25 | 5 3 | 1 45 | 13 19 | 0 35 | 14 8 | 1 16 | 9 47 | 1 0 | 13 50 | 2 30 | 21 34 | 0 31 | 7 28 | 1 11 | 4 45 | 16 36 | 22 6 | 22 15 | 11 22 | 3 38 | 2 27 |
| S 16 | 0 16 | 24 54 | 1 24 | 4 18 | 1 42 | 13 47 | 0 38 | 13 55 | 1 16 | 9 51 | 1 0 | 13 49 | 2 30 | 21 34 | 0 31 | 7 27 | 1 11 | 4 46 | 16 37 | 22 6 | 22 15 | 11 19 | 3 41 | 2 27 |
| S 17 | 0s 8 | 22 58 | 0 21 | 3 32 | 1 38 | 14 14 | 0 41 | 13 42 | 1 17 | 9 56 | 1 0 | 13 48 | 2 31 | 21 34 | 0 31 | 7 26 | 1 11 | 4 46 | 16 37 | 22 6 | 22 16 | 11 16 | 3 44 | 2 27 |
| M18 | 0 32 | 20 2 | 0n42 | 2 46 | 1 34 | 14 41 | 0 45 | 13 29 | 1 17 | 10 0 | 1 0 | 13 47 | 2 31 | 21 33 | 0 31 | 7 26 | 1 11 | 4 47 | 16 37 | 22 6 | 22 16 | 11 13 | 3 48 | 2 26 |
| T 19 | 0 55 | 16 19 | 1 43 | 1 59 | 1 30 | 15 8 | 0 48 | 13 17 | 1 17 | 10 5 | 0 59 | 13 46 | 2 31 | 21 33 | 0 31 | 7 25 | 1 11 | 4 47 | 16 37 | 22 6 | 22 17 | 11 10 | 3 51 | 2 26 |
| W20 | 1 19 | 11 58 | 2 39 | 1 13 | 1 25 | 15 34 | 0 51 | 13 4 | 1 17 | 10 9 | 0 59 | 13 45 | 2 31 | 21 33 | 0 31 | 7 24 | 1 11 | 4 48 | 16 37 | 22 6 | 22 17 | 11 7 | 3 54 | 2 26 |
| T 21 | 1 43 | 7 10 | 3 29 | 0 26 | 1 20 | 16 0 | 0 54 | 12 51 | 1 18 | 10 14 | 0 59 | 13 44 | 2 31 | 21 32 | 0 31 | 7 23 | 1 11 | 4 48 | 16 37 | 22 8 | 22 18 | 11 5 | 3 57 | 2 26 |
| F 22 | 2 6 | 2 4 | 4 9 | 0s20 | 1 15 | 16 26 | 0 58 | 12 38 | 1 18 | 10 18 | 0 59 | 13 43 | 2 31 | 21 32 | 0 31 | 7 22 | 1 11 | 4 49 | 16 37 | 22 9 | 22 18 | 11 2 | 4 1 | 2 25 |
| S 23 | 2 30 | 3n 9 | 4 39 | 1 6 | 1 10 | 16 51 | 1 1 | 12 25 | 1 18 | 10 23 | 0 59 | 13 42 | 2 31 | 21 32 | 0 32 | 7 22 | 1 11 | 4 49 | 16 37 | 22 11 | 22 18 | 10 59 | 4 4 | 2 25 |
| S 24 | 2 54 | 8 18 | 4 56 | 1 53 | 1 4 | 17 16 | 1 4 | 12 11 | 1 18 | 10 28 | 0 59 | 13 41 | 2 32 | 21 31 | 0 32 | 7 21 | 1 11 | 4 49 | 16 38 | 22 12 | 22 19 | 10 56 | 4 7 | 2 25 |
| M25 | 3 17 | 13 12 | 5 0 | 2 39 | 0 58 | 17 40 | 1 7 | 11 58 | 1 18 | 10 32 | 0 59 | 13 40 | 2 32 | 21 31 | 0 32 | 7 20 | 1 11 | 4 50 | 16 38 | 22 14 | 22 19 | 10 53 | 4 10 | 2 25 |
| T 26 | 3 41 | 17 37 | 4 49 | 3 24 | 0 52 | 18 4 | 1 11 | 11 45 | 1 19 | 10 37 | 0 59 | 13 39 | 2 32 | 21 31 | 0 32 | 7 19 | 1 11 | 4 50 | 16 38 | 22 16 | 22 20 | 10 50 | 4 14 | 2 24 |
| W27 | 4 4 | 21 18 | 4 23 | 4 10 | 0 46 | 18 27 | 1 14 | 11 32 | 1 19 | 10 41 | 0 59 | 13 37 | 2 32 | 21 30 | 0 32 | 7 18 | 1 11 | 4 51 | 16 38 | 22 18 | 22 20 | 10 47 | 4 17 | 2 24 |
| T 28 | 4 28 | 23 58 | 3 44 | 4 54 | 0 39 | 18 51 | 1 17 | 11 18 | 1 19 | 10 46 | 0 58 | 13 36 | 2 32 | 21 30 | 0 32 | 7 18 | 1 11 | 4 51 | 16 38 | 22 19 | 22 21 | 10 44 | 4 20 | 2 24 |
| F 29 | 4 51 | 25 22 | 2 52 | 5 39 | 0 33 | 19 13 | 1 20 | 11 5 | 1 19 | 10 51 | 0 58 | 13 35 | 2 32 | 21 30 | 0 32 | 7 17 | 1 11 | 4 52 | 16 38 | 22 19 | 22 21 | 10 42 | 4 23 | 2 24 |
| S 30 | 5s15 | 25n20 | 1n49 | 6s23 | 0n26 | 19s35 | 1s23 | 10n51 | 1n19 | 10s55 | 0n58 | 13n34 | 2s32 | 21n30 | 0n32 | 7n16 | 1n11 | 4s52 | 16s38 | 22s20 | 22s21 | 10s39 | 4s27 | 2s24 |

Julian Day Number = 2128920.5, Delta T = 16m51s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'32, Lahiri = 11°32'32 Julian Calendar 1 Sept. 1116 == Greg. Calendar 8 Sept. 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## OCTOBER 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 4 20 | 14♎12'39 | 10♋32 | 18♎51 | 22♏48 | 5♍54 | 1♏ 5 | 13°R29 | 26♋25 | 14♍25 | 27°R36 | 18°R 4 | 17♑48 | 24♒17 | 5♎47 | S 1 |
| M 2 | 1 8 16 | 15°12'24 | 24°26 | 20°29 | 23°59 | 6°31 | 1°18 | 13♉25 | 26°26 | 14°27 | 27♈35 | 18♑ 4 | 17°45 | 24°24 | 5°55 | M 2 |
| T 3 | 1 12 13 | 16°12'12 | 8♌36 | 22° 6 | 25°11 | 7° 8 | 1°31 | 13°21 | 26°28 | 14°29 | 27°34 | 18° 3 | 17°42 | 24°31 | 6° 4 | T 3 |
| W 4 | 1 16 10 | 17°12'03 | 23° 0 | 23°42 | 26°23 | 7°45 | 1°44 | 13°17 | 26°29 | 14°31 | 27°33 | 18° 0 | 17°39 | 24°37 | 6°12 | W 4 |
| T 5 | 1 20 6 | 18°11'55 | 7♍38 | 25°18 | 27°34 | 8°22 | 1°57 | 13°13 | 26°30 | 14°33 | 27°32 | 17°54 | 17°35 | 24°44 | 6°21 | T 5 |
| F 6 | 1 24 3 | 19°11'50 | 22°22 | 26°54 | 28°46 | 9° 0 | 2°10 | 13° 9 | 26°31 | 14°35 | 27°31 | 17°46 | 17°32 | 24°51 | 6°30 | F 6 |
| S 7 | 1 27 59 | 20°11'47 | 7♎ 7 | 28°29 | 29°57 | 9°37 | 2°23 | 13° 4 | 26°32 | 14°37 | 27°30 | 17°35 | 17°29 | 24°57 | 6°38 | S 7 |
| S 8 | 1 31 56 | 21°11'45 | 21°44 | 0♏ 3 | 1♐ 9 | 10°14 | 2°36 | 13° 0 | 26°33 | 14°39 | 27°28 | 17°23 | 17°26 | 25° 4 | 6°47 | S 8 |
| M 9 | 1 35 52 | 22°11'46 | 6♏ 5 | 1°37 | 2°20 | 10°51 | 2°49 | 12°56 | 26°34 | 14°41 | 27°27 | 17°11 | 17°23 | 25°11 | 6°55 | M 9 |
| T 10 | 1 39 49 | 23°11'49 | 20° 4 | 3°10 | 3°31 | 11°28 | 3° 2 | 12°51 | 26°35 | 14°43 | 27°26 | 17° 0 | 17°20 | 25°17 | 7° 4 | T 10 |
| W11 | 1 43 45 | 24°11'54 | 3♐37 | 4°43 | 4°42 | 12° 5 | 3°15 | 12°47 | 26°36 | 14°45 | 27°25 | 16°52 | 17°16 | 25°24 | 7°12 | W11 |
| T 12 | 1 47 42 | 25°12'00 | 16°45 | 6°16 | 5°54 | 12°42 | 3°28 | 12°42 | 26°37 | 14°46 | 27°24 | 16°46 | 17°13 | 25°31 | 7°21 | T 12 |
| F 13 | 1 51 38 | 26°12'08 | 29°28 | 7°48 | 7° 5 | 13°19 | 3°42 | 12°38 | 26°38 | 14°48 | 27°23 | 16°43 | 17°10 | 25°37 | 7°29 | F 13 |
| S 14 | 1 55 35 | 27°12'18 | 11♑49 | 9°19 | 8°16 | 13°55 | 3°55 | 12°33 | 26°38 | 14°50 | 27°22 | 16°D42 | 17° 7 | 25°44 | 7°38 | S 14 |
| S 15 | 1 59 32 | 28°12'29 | 23°55 | 10°50 | 9°27 | 14°32 | 4° 8 | 12°28 | 26°39 | 14°52 | 27°21 | 16°R42 | 17° 4 | 25°51 | 7°46 | S 15 |
| M16 | 2 3 28 | 29°12'42 | 5♒49 | 12°21 | 10°38 | 15° 9 | 4°21 | 12°24 | 26°40 | 14°53 | 27°19 | 16°42 | 17° 0 | 25°57 | 7°54 | M16 |
| T 17 | 2 7 25 | 0♏12'56 | 17°39 | 13°51 | 11°49 | 15°46 | 4°35 | 12°19 | 26°40 | 14°55 | 27°18 | 16°41 | 16°57 | 26° 4 | 8° 3 | T 17 |
| W18 | 2 11 21 | 1°13'12 | 29°28 | 15°21 | 13° 0 | 16°23 | 4°48 | 12°14 | 26°41 | 14°57 | 27°17 | 16°37 | 16°54 | 26°11 | 8°11 | W18 |
| T 19 | 2 15 18 | 2°13'29 | 11♓22 | 16°51 | 14°10 | 17° 0 | 5° 1 | 12° 9 | 26°41 | 14°58 | 27°16 | 16°31 | 16°51 | 26°17 | 8°19 | T 19 |
| F 20 | 2 19 14 | 3°13'48 | 23°25 | 18°20 | 15°21 | 17°36 | 5°14 | 12° 4 | 26°42 | 15° 0 | 27°15 | 16°22 | 16°48 | 26°24 | 8°27 | F 20 |
| S 21 | 2 23 11 | 4°14'09 | 5♈39 | 19°48 | 16°32 | 18°13 | 5°28 | 12° 0 | 26°42 | 15° 2 | 27°14 | 16°11 | 16°45 | 26°31 | 8°36 | S 21 |
| S 22 | 2 27 7 | 5°14'31 | 18° 8 | 21°16 | 17°42 | 18°50 | 5°41 | 11°55 | 26°42 | 15° 3 | 27°13 | 15°59 | 16°41 | 26°38 | 8°44 | S 22 |
| M23 | 2 31 4 | 6°14'54 | 0♉50 | 22°43 | 18°52 | 19°27 | 5°54 | 11°50 | 26°42 | 15° 5 | 27°11 | 15°46 | 16°38 | 26°44 | 8°52 | M23 |
| T 24 | 2 35 1 | 7°15'20 | 13°47 | 24°10 | 20° 3 | 20° 3 | 6° 7 | 11°45 | 26°42 | 15° 6 | 27°10 | 15°34 | 16°35 | 26°51 | 9° 0 | T 24 |
| W25 | 2 38 57 | 8°15'47 | 26°56 | 25°37 | 21°13 | 20°40 | 6°21 | 11°40 | 26°43 | 15° 8 | 27° 9 | 15°24 | 16°32 | 26°58 | 9° 8 | W25 |
| T 26 | 2 42 54 | 9°16'16 | 10♊17 | 27° 2 | 22°23 | 21°16 | 6°34 | 11°35 | 26°R43 | 15° 9 | 27° 8 | 15°16 | 16°29 | 27° 4 | 9°16 | T 26 |
| F 27 | 2 46 50 | 10°16'47 | 23°48 | 28°27 | 23°33 | 21°53 | 6°47 | 11°30 | 26°43 | 15°11 | 27° 7 | 15°12 | 16°26 | 27°11 | 9°24 | F 27 |
| S 28 | 2 50 47 | 11°17'19 | 7♋28 | 29°52 | 24°43 | 22°30 | 7° 1 | 11°25 | 26°43 | 15°12 | 27° 6 | 15°10 | 16°22 | 27°18 | 9°32 | S 28 |
| S 29 | 2 54 43 | 12°17'54 | 21°17 | 1♐15 | 25°53 | 23° 6 | 7°14 | 11°20 | 26°42 | 15°14 | 27° 5 | 15°D10 | 16°19 | 27°24 | 9°40 | S 29 |
| M30 | 2 58 40 | 13°18'30 | 5♌13 | 2°38 | 27° 3 | 23°43 | 7°27 | 11°16 | 26°42 | 15°15 | 27° 4 | 15°10 | 16°16 | 27°31 | 9°48 | M30 |
| T 31 | 3 2 36 | 14♏19'08 | 19♌16 | 3♐59 | 28♐12 | 24♍19 | 7♏40 | 11♉11 | 26♋42 | 15♍16 | 27♈ 3 | 15°R10 | 16♑13 | 27♒38 | 9♎55 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s38 | 23n48 | 0n40 | 7s 7 | 0n20 | 19s57 | 1s26 | 10n38 | 1n20 | 11s 0 | 0n58 | 13n32 | 2s32 | 21n29 | 0n32 | 7n15 | 1n11 | 4s53 | 16s38 | 22s20 | 22s22 | 10s36 | 4s30 | 2s23 |
| M 2 | 6 1 | 20 47 | 0s34 | 7 50 | 0 13 | 20 18 | 1 29 | 10 24 | 1 20 | 11 4 | 0 58 | 13 31 | 2 32 | 21 29 | 0 32 | 7 15 | 1 11 | 4 53 | 16 38 | 22 20 | 22 22 | 10 33 | 4 33 | 2 23 |
| T 3 | 6 24 | 16 29 | 1 46 | 8 33 | 0 6 | 20 39 | 1 32 | 10 10 | 1 20 | 11 9 | 0 58 | 13 30 | 2 33 | 21 29 | 0 32 | 7 14 | 1 11 | 4 53 | 16 38 | 22 20 | 22 23 | 10 30 | 4 36 | 2 23 |
| W 4 | 6 47 | 11 11 | 2 53 | 9 15 | 0s 0 | 20 59 | 1 35 | 9 56 | 1 20 | 11 14 | 0 58 | 13 28 | 2 33 | 21 29 | 0 32 | 7 13 | 1 12 | 4 54 | 16 38 | 22 20 | 22 23 | 10 27 | 4 40 | 2 23 |
| T 5 | 7 10 | 5 12 | 3 50 | 9 57 | 0 7 | 21 19 | 1 38 | 9 43 | 1 20 | 11 18 | 0 58 | 13 27 | 2 33 | 21 29 | 0 32 | 7 12 | 1 12 | 4 54 | 16 38 | 22 21 | 22 24 | 10 24 | 4 43 | 2 23 |
| F 6 | 7 33 | 1s 7 | 4 32 | 10 38 | 0 14 | 21 38 | 1 41 | 9 29 | 1 21 | 11 23 | 0 58 | 13 26 | 2 33 | 21 28 | 0 32 | 7 12 | 1 12 | 4 55 | 16 38 | 22 22 | 22 24 | 10 21 | 4 46 | 2 22 |
| S 7 | 7 56 | 7 21 | 4 55 | 11 18 | 0 21 | 21 56 | 1 44 | 9 15 | 1 21 | 11 27 | 0 58 | 13 24 | 2 33 | 21 28 | 0 32 | 7 11 | 1 12 | 4 55 | 16 38 | 22 24 | 22 24 | 10 19 | 4 49 | 2 22 |
| S 8 | 8 18 | 13 8 | 4 59 | 11 58 | 0 27 | 22 14 | 1 47 | 9 1 | 1 21 | 11 32 | 0 58 | 13 23 | 2 33 | 21 28 | 0 32 | 7 10 | 1 12 | 4 56 | 16 38 | 22 25 | 22 25 | 10 16 | 4 52 | 2 22 |
| M 9 | 8 41 | 18 4 | 4 44 | 12 37 | 0 34 | 22 31 | 1 50 | 8 47 | 1 21 | 11 36 | 0 58 | 13 22 | 2 33 | 21 28 | 0 32 | 7 10 | 1 12 | 4 56 | 16 38 | 22 27 | 22 25 | 10 13 | 4 56 | 2 22 |
| T 10 | 9 3 | 21 53 | 4 12 | 13 16 | 0 41 | 22 48 | 1 53 | 8 33 | 1 21 | 11 41 | 0 57 | 13 20 | 2 33 | 21 28 | 0 32 | 7 9 | 1 12 | 4 56 | 16 38 | 22 28 | 22 26 | 10 10 | 4 59 | 2 22 |
| W11 | 9 26 | 24 22 | 3 27 | 13 54 | 0 47 | 23 4 | 1 55 | 8 19 | 1 22 | 11 46 | 0 57 | 13 19 | 2 33 | 21 28 | 0 32 | 7 8 | 1 12 | 4 57 | 16 38 | 22 29 | 22 26 | 10 7 | 5 2 | 2 21 |
| T 12 | 9 48 | 25 24 | 2 31 | 14 31 | 0 54 | 23 20 | 1 58 | 8 5 | 1 22 | 11 50 | 0 57 | 13 18 | 2 33 | 21 28 | 0 32 | 7 8 | 1 12 | 4 57 | 16 38 | 22 30 | 22 26 | 10 4 | 5 5 | 2 21 |
| F 13 | 10 10 | 25 3 | 1 30 | 15 7 | 1 0 | 23 35 | 2 0 | 7 51 | 1 22 | 11 55 | 0 57 | 13 16 | 2 33 | 21 27 | 0 32 | 7 7 | 1 12 | 4 57 | 16 38 | 22 30 | 22 27 | 10 1 | 5 8 | 2 21 |
| S 14 | 10 32 | 23 27 | 0 26 | 15 43 | 1 6 | 23 49 | 2 3 | 7 37 | 1 22 | 11 59 | 0 57 | 13 15 | 2 33 | 21 27 | 0 32 | 7 6 | 1 12 | 4 58 | 16 38 | 22 30 | 22 27 | 9 58 | 5 12 | 2 21 |
| S 15 | 10 53 | 20 48 | 0n38 | 16 18 | 1 13 | 24 2 | 2 5 | 7 23 | 1 22 | 12 4 | 0 57 | 13 13 | 2 33 | 21 27 | 0 32 | 7 6 | 1 12 | 4 58 | 16 38 | 22 30 | 22 28 | 9 56 | 5 15 | 2 21 |
| M16 | 11 15 | 17 18 | 1 40 | 16 52 | 1 19 | 24 15 | 2 8 | 7 9 | 1 22 | 12 8 | 0 57 | 13 12 | 2 33 | 21 27 | 0 32 | 7 5 | 1 12 | 4 59 | 16 38 | 22 30 | 22 28 | 9 53 | 5 18 | 2 21 |
| T 17 | 11 36 | 13 8 | 2 36 | 17 25 | 1 25 | 24 28 | 2 10 | 6 54 | 1 23 | 12 13 | 0 57 | 13 10 | 2 33 | 21 27 | 0 32 | 7 4 | 1 12 | 4 59 | 16 38 | 22 30 | 22 28 | 9 50 | 5 21 | 2 20 |
| W18 | 11 57 | 8 30 | 3 26 | 17 58 | 1 31 | 24 39 | 2 12 | 6 40 | 1 23 | 12 17 | 0 57 | 13 9 | 2 33 | 21 27 | 0 32 | 7 4 | 1 12 | 4 59 | 16 38 | 22 31 | 22 29 | 9 47 | 5 24 | 2 20 |
| T 19 | 12 18 | 3 31 | 4 7 | 18 29 | 1 36 | 24 50 | 2 15 | 6 26 | 1 23 | 12 22 | 0 57 | 13 7 | 2 33 | 21 27 | 0 32 | 7 3 | 1 12 | 5 0 | 16 38 | 22 32 | 22 29 | 9 44 | 5 27 | 2 20 |
| F 20 | 12 39 | 1n38 | 4 38 | 19 0 | 1 42 | 25 1 | 2 17 | 6 12 | 1 23 | 12 26 | 0 57 | 13 6 | 2 33 | 21 27 | 0 32 | 7 3 | 1 12 | 5 0 | 16 38 | 22 33 | 22 30 | 9 41 | 5 31 | 2 20 |
| S 21 | 13 0 | 6 47 | 4 57 | 19 29 | 1 47 | 25 10 | 2 19 | 5 57 | 1 23 | 12 31 | 0 57 | 13 4 | 2 33 | 21 27 | 0 33 | 7 2 | 1 12 | 5 0 | 16 38 | 22 34 | 22 30 | 9 38 | 5 34 | 2 20 |
| S 22 | 13 20 | 11 47 | 5 1 | 19 58 | 1 52 | 25 19 | 2 21 | 5 43 | 1 23 | 12 35 | 0 57 | 13 3 | 2 33 | 21 27 | 0 33 | 7 1 | 1 12 | 5 1 | 16 38 | 22 36 | 22 30 | 9 35 | 5 37 | 2 20 |
| M23 | 13 40 | 16 22 | 4 51 | 20 26 | 1 57 | 25 27 | 2 23 | 5 29 | 1 24 | 12 40 | 0 57 | 13 2 | 2 33 | 21 27 | 0 33 | 7 1 | 1 12 | 5 1 | 16 38 | 22 37 | 22 31 | 9 32 | 5 40 | 2 19 |
| T 24 | 14 0 | 20 17 | 4 26 | 20 52 | 2 2 | 25 35 | 2 25 | 5 14 | 1 24 | 12 44 | 0 57 | 13 0 | 2 33 | 21 27 | 0 33 | 7 0 | 1 12 | 5 1 | 16 38 | 22 38 | 22 31 | 9 30 | 5 43 | 2 19 |
| W25 | 14 20 | 23 15 | 3 47 | 21 18 | 2 6 | 25 42 | 2 26 | 5 0 | 1 24 | 12 49 | 0 57 | 12 59 | 2 33 | 21 27 | 0 33 | 7 0 | 1 12 | 5 2 | 16 38 | 22 40 | 22 32 | 9 27 | 5 46 | 2 19 |
| T 26 | 14 39 | 24 58 | 2 54 | 21 42 | 2 10 | 25 48 | 2 28 | 4 46 | 1 24 | 12 53 | 0 57 | 12 57 | 2 33 | 21 27 | 0 33 | 6 59 | 1 12 | 5 2 | 16 38 | 22 41 | 22 32 | 9 24 | 5 49 | 2 19 |
| F 27 | 14 58 | 25 16 | 1 51 | 22 5 | 2 14 | 25 53 | 2 29 | 4 31 | 1 24 | 12 57 | 0 56 | 12 56 | 2 33 | 21 27 | 0 33 | 6 59 | 1 12 | 5 2 | 16 38 | 22 41 | 22 32 | 9 21 | 5 52 | 2 19 |
| S 28 | 15 17 | 24 1 | 0 41 | 22 27 | 2 18 | 25 58 | 2 31 | 4 17 | 1 24 | 13 2 | 0 56 | 12 54 | 2 33 | 21 27 | 0 33 | 6 58 | 1 12 | 5 2 | 16 38 | 22 41 | 22 33 | 9 18 | 5 55 | 2 19 |
| S 29 | 15 36 | 21 20 | 0s33 | 22 48 | 2 21 | 26 2 | 2 32 | 4 3 | 1 24 | 13 6 | 0 56 | 12 53 | 2 33 | 21 27 | 0 33 | 6 58 | 1 12 | 5 3 | 16 37 | 22 41 | 22 33 | 9 15 | 5 58 | 2 19 |
| M30 | 15 55 | 17 22 | 1 45 | 23 8 | 2 24 | 26 5 | 2 34 | 3 48 | 1 25 | 13 11 | 0 56 | 12 51 | 2 33 | 21 27 | 0 33 | 6 57 | 1 12 | 5 3 | 16 37 | 22 41 | 22 34 | 9 12 | 6 1 | 2 19 |
| T 31 | 16s13 | 12n24 | 2s52 | 23s26 | 2s26 | 26s 7 | 2s35 | 3n34 | 1n25 | 13s15 | 0n56 | 12n50 | 2s33 | 21n27 | 0n33 | 6n57 | 1n13 | 5s 3 | 16s37 | 22s41 | 22s34 | 9s 9 | 6s 4 | 2s18 |

Julian Day Number = 2128950.5, Delta T = 16m50s
Ecliptic obliquity = 23°33'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'36, Lahiri = 11°32'37 Julian Calendar 1 Oct. 1116 == Greg. Calendar 8 Oct. 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## NOVEMBER 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 6 33 | 15♏19'47 | 3♍27 | 5♐19 | 29♐22 | 24♍56 | 7♏54 | 11°R 6 | 26°R42 | 15♍18 | 27°R 2 | 15°R 9 | 16♑10 | 27♒44 | 10♎ 3 | W 1 |
| T 2 | 3 10 30 | 16°20'29 | 17°43 | 6°38 | 0♑31 | 25°32 | 8° 7 | 11♉ 1 | 26♋41 | 15°19 | 27♈ 1 | 15♑ 5 | 16° 6 | 27°51 | 10°11 | T 2 |
| F 3 | 3 14 26 | 17°21'12 | 2♎ 1 | 7°56 | 1°41 | 26° 8 | 8°20 | 10°56 | 26°41 | 15°20 | 27° 0 | 14°59 | 16° 3 | 27°58 | 10°18 | F 3 |
| S 4 | 3 18 23 | 18°21'57 | 16°18 | 9°12 | 2°50 | 26°45 | 8°33 | 10°51 | 26°41 | 15°22 | 26°58 | 14°51 | 16° 0 | 28° 4 | 10°26 | S 4 |
| S 5 | 3 22 19 | 19°22'43 | 0♏29 | 10°25 | 3°59 | 27°21 | 8°46 | 10°46 | 26°40 | 15°23 | 26°57 | 14°41 | 15°57 | 28°11 | 10°34 | S 5 |
| M 6 | 3 26 16 | 20°23'31 | 14°27 | 11°37 | 5° 8 | 27°57 | 9° 0 | 10°41 | 26°40 | 15°24 | 26°56 | 14°32 | 15°54 | 28°18 | 10°41 | M 6 |
| T 7 | 3 30 12 | 21°24'20 | 28° 9 | 12°46 | 6°17 | 28°34 | 9°13 | 10°37 | 26°39 | 15°25 | 26°55 | 14°23 | 15°51 | 28°24 | 10°48 | T 7 |
| W 8 | 3 34 9 | 22°25'11 | 11♐32 | 13°52 | 7°26 | 29°10 | 9°26 | 10°32 | 26°38 | 15°26 | 26°54 | 14°16 | 15°47 | 28°31 | 10°56 | W 8 |
| T 9 | 3 38 5 | 23°26'02 | 24°33 | 14°55 | 8°34 | 29°46 | 9°39 | 10°27 | 26°38 | 15°27 | 26°53 | 14°12 | 15°44 | 28°38 | 11° 3 | T 9 |
| F 10 | 3 42 2 | 24°26'55 | 7♑13 | 15°54 | 9°43 | 0♎22 | 9°52 | 10°22 | 26°37 | 15°28 | 26°52 | 14°10 | 15°41 | 28°44 | 11°10 | F 10 |
| S 11 | 3 45 59 | 25°27'49 | 19°35 | 16°49 | 10°51 | 0°59 | 10° 5 | 10°18 | 26°36 | 15°29 | 26°51 | 14°D10 | 15°38 | 28°51 | 11°18 | S 11 |
| S 12 | 3 49 55 | 26°28'44 | 1♒42 | 17°39 | 11°59 | 1°35 | 10°18 | 10°13 | 26°35 | 15°30 | 26°50 | 14°11 | 15°35 | 28°58 | 11°25 | S 12 |
| M13 | 3 53 52 | 27°29'39 | 13°38 | 18°23 | 13° 7 | 2°11 | 10°31 | 10° 8 | 26°34 | 15°31 | 26°49 | 14°12 | 15°32 | 29° 4 | 11°32 | M13 |
| T 14 | 3 57 48 | 28°30'36 | 25°28 | 19° 1 | 14°15 | 2°47 | 10°44 | 10° 4 | 26°33 | 15°32 | 26°49 | 14°R13 | 15°28 | 29°11 | 11°39 | T 14 |
| W15 | 4 1 45 | 29°31'33 | 7♓18 | 19°31 | 15°22 | 3°23 | 10°57 | 9°59 | 26°32 | 15°33 | 26°48 | 14°13 | 15°25 | 29°18 | 11°46 | W15 |
| T 16 | 4 5 41 | 0♐32'30 | 19°13 | 19°54 | 16°30 | 3°59 | 11°10 | 9°55 | 26°31 | 15°34 | 26°47 | 14°11 | 15°22 | 29°25 | 11°53 | T 16 |
| F 17 | 4 9 38 | 1°33'29 | 1♈18 | 20° 8 | 17°37 | 4°35 | 11°23 | 9°51 | 26°30 | 15°35 | 26°46 | 14° 7 | 15°19 | 29°31 | 11°59 | F 17 |
| S 18 | 4 13 34 | 2°34'28 | 13°36 | 20°R12 | 18°44 | 5°10 | 11°36 | 9°46 | 26°29 | 15°36 | 26°45 | 14° 1 | 15°16 | 29°38 | 12° 6 | S 18 |
| S 19 | 4 17 31 | 3°35'28 | 26°12 | 20° 6 | 19°51 | 5°46 | 11°49 | 9°42 | 26°27 | 15°37 | 26°44 | 13°54 | 15°12 | 29°45 | 12°13 | S 19 |
| M20 | 4 21 28 | 4°36'29 | 9♉ 5 | 19°49 | 20°58 | 6°22 | 12° 2 | 9°38 | 26°26 | 15°37 | 26°43 | 13°47 | 15° 9 | 29°51 | 12°19 | M20 |
| T 21 | 4 25 24 | 5°37'31 | 22°18 | 19°20 | 22° 4 | 6°58 | 12°14 | 9°34 | 26°25 | 15°38 | 26°42 | 13°40 | 15° 6 | 29°58 | 12°26 | T 21 |
| W22 | 4 29 21 | 6°38'33 | 5♊49 | 18°40 | 23°10 | 7°34 | 12°27 | 9°29 | 26°24 | 15°39 | 26°41 | 13°34 | 15° 3 | 0♓ 5 | 12°32 | W22 |
| T 23 | 4 33 17 | 7°39'36 | 19°35 | 17°49 | 24°16 | 8° 9 | 12°40 | 9°25 | 26°22 | 15°39 | 26°41 | 13°30 | 15° 0 | 0°11 | 12°39 | T 23 |
| F 24 | 4 37 14 | 8°40'40 | 3♋33 | 16°47 | 25°22 | 8°45 | 12°52 | 9°21 | 26°21 | 15°40 | 26°40 | 13°28 | 14°57 | 0°18 | 12°45 | F 24 |
| S 25 | 4 41 10 | 9°41'45 | 17°40 | 15°37 | 26°28 | 9°21 | 13° 5 | 9°18 | 26°19 | 15°41 | 26°39 | 13°D28 | 14°53 | 0°25 | 12°51 | S 25 |
| S 26 | 4 45 7 | 10°42'51 | 1♌51 | 14°20 | 27°33 | 9°56 | 13°18 | 9°14 | 26°18 | 15°41 | 26°38 | 13°29 | 14°50 | 0°31 | 12°58 | S 26 |
| M27 | 4 49 4 | 11°43'57 | 16° 5 | 12°59 | 28°38 | 10°32 | 13°30 | 9°10 | 26°16 | 15°42 | 26°37 | 13°30 | 14°47 | 0°38 | 13° 4 | M27 |
| T 28 | 4 53 0 | 12°45'04 | 0♍17 | 11°36 | 29°43 | 11° 7 | 13°43 | 9° 6 | 26°14 | 15°42 | 26°37 | 13°32 | 14°44 | 0°45 | 13°10 | T 28 |
| W29 | 4 56 57 | 13°46'13 | 14°27 | 10°14 | 0♒47 | 11°43 | 13°55 | 9° 3 | 26°13 | 15°43 | 26°36 | 13°R32 | 14°41 | 0°51 | 13°16 | W29 |
| T 30 | 5 0 53 | 14♐47'22 | 28♍32 | 8♐56 | 1♒51 | 12♎18 | 14♏ 7 | 8♉59 | 26♋11 | 15♍43 | 26♈35 | 13♑32 | 14♑37 | 0♓58 | 13♎21 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s31 | 6n45 | 3s48 | 23s43 | 2s28 | 26s 9 | 2s36 | 3n19 | 1n25 | 13s19 | 0n56 | 12n48 | 2s33 | 21n27 | 0n33 | 6n56 | 1n13 | 5s 3 | 16s37 | 22s41 | 22s34 | 9s 6 | 6s 7 | 2s18 |
| T 2 | 16 48 | 0 43 | 4 31 | 23 59 | 2 30 | 26 10 | 2 37 | 3 5 | 1 25 | 13 24 | 0 56 | 12 47 | 2 33 | 21 27 | 0 33 | 6 56 | 1 13 | 5 4 | 16 37 | 22 42 | 22 35 | 9 3 | 6 10 | 2 18 |
| F 3 | 17 6 | 5s21 | 4 57 | 24 13 | 2 31 | 26 10 | 2 38 | 2 51 | 1 25 | 13 28 | 0 56 | 12 45 | 2 33 | 21 28 | 0 33 | 6 55 | 1 13 | 5 4 | 16 37 | 22 42 | 22 35 | 9 1 | 6 13 | 2 18 |
| S 4 | 17 23 | 11 7 | 5 5 | 24 25 | 2 31 | 26 10 | 2 38 | 2 36 | 1 25 | 13 32 | 0 56 | 12 44 | 2 33 | 21 28 | 0 33 | 6 55 | 1 13 | 5 4 | 16 37 | 22 43 | 22 35 | 8 58 | 6 16 | 2 18 |
| S 5 | 17 39 | 16 16 | 4 54 | 24 36 | 2 31 | 26 9 | 2 39 | 2 22 | 1 25 | 13 36 | 0 56 | 12 43 | 2 33 | 21 28 | 0 33 | 6 54 | 1 13 | 5 4 | 16 37 | 22 44 | 22 36 | 8 55 | 6 19 | 2 18 |
| M 6 | 17 56 | 20 28 | 4 25 | 24 46 | 2 30 | 26 7 | 2 40 | 2 7 | 1 26 | 13 41 | 0 56 | 12 41 | 2 32 | 21 28 | 0 33 | 6 54 | 1 13 | 5 5 | 16 36 | 22 46 | 22 36 | 8 52 | 6 22 | 2 18 |
| T 7 | 18 12 | 23 26 | 3 41 | 24 54 | 2 29 | 26 4 | 2 40 | 1 53 | 1 26 | 13 45 | 0 56 | 12 40 | 2 32 | 21 28 | 0 33 | 6 54 | 1 13 | 5 5 | 16 36 | 22 46 | 22 37 | 8 49 | 6 24 | 2 18 |
| W 8 | 18 28 | 25 1 | 2 46 | 25 0 | 2 27 | 26 1 | 2 40 | 1 39 | 1 26 | 13 49 | 0 56 | 12 38 | 2 32 | 21 28 | 0 33 | 6 53 | 1 13 | 5 5 | 16 36 | 22 47 | 22 37 | 8 46 | 6 27 | 2 18 |
| T 9 | 18 43 | 25 10 | 1 44 | 25 5 | 2 24 | 25 57 | 2 41 | 1 24 | 1 26 | 13 53 | 0 56 | 12 37 | 2 32 | 21 28 | 0 33 | 6 53 | 1 13 | 5 5 | 16 36 | 22 48 | 22 37 | 8 43 | 6 30 | 2 17 |
| F 10 | 18 58 | 23 59 | 0 37 | 25 7 | 2 20 | 25 52 | 2 41 | 1 10 | 1 26 | 13 57 | 0 56 | 12 36 | 2 32 | 21 29 | 0 33 | 6 52 | 1 13 | 5 5 | 16 36 | 22 48 | 22 38 | 8 40 | 6 33 | 2 17 |
| S 11 | 19 13 | 21 38 | 0n29 | 25 8 | 2 15 | 25 47 | 2 41 | 0 56 | 1 26 | 14 2 | 0 56 | 12 34 | 2 32 | 21 29 | 0 33 | 6 52 | 1 13 | 5 5 | 16 36 | 22 48 | 22 38 | 8 37 | 6 35 | 2 17 |
| S 12 | 19 28 | 18 22 | 1 33 | 25 7 | 2 9 | 25 40 | 2 40 | 0 41 | 1 26 | 14 6 | 0 56 | 12 33 | 2 32 | 21 29 | 0 33 | 6 52 | 1 13 | 5 6 | 16 35 | 22 48 | 22 38 | 8 34 | 6 38 | 2 17 |
| M13 | 19 42 | 14 23 | 2 32 | 25 4 | 2 2 | 25 34 | 2 40 | 0 27 | 1 26 | 14 10 | 0 56 | 12 32 | 2 32 | 21 29 | 0 33 | 6 51 | 1 13 | 5 6 | 16 35 | 22 48 | 22 39 | 8 31 | 6 41 | 2 17 |
| T 14 | 19 55 | 9 53 | 3 25 | 25 0 | 1 54 | 25 26 | 2 40 | 0 13 | 1 26 | 14 14 | 0 56 | 12 31 | 2 31 | 21 29 | 0 33 | 6 51 | 1 13 | 5 6 | 16 35 | 22 47 | 22 39 | 8 28 | 6 44 | 2 17 |
| W15 | 20 9 | 5 2 | 4 8 | 24 53 | 1 45 | 25 18 | 2 39 | 0s 2 | 1 27 | 14 18 | 0 56 | 12 29 | 2 31 | 21 30 | 0 33 | 6 51 | 1 13 | 5 6 | 16 35 | 22 48 | 22 40 | 8 26 | 6 46 | 2 17 |
| T 16 | 20 22 | 0n 1 | 4 41 | 24 44 | 1 34 | 25 9 | 2 38 | 0 16 | 1 27 | 14 22 | 0 56 | 12 28 | 2 31 | 21 30 | 0 33 | 6 50 | 1 13 | 5 6 | 16 35 | 22 48 | 22 40 | 8 23 | 6 49 | 2 17 |
| F 17 | 20 34 | 5 8 | 5 2 | 24 33 | 1 22 | 25 0 | 2 38 | 0 30 | 1 27 | 14 26 | 0 56 | 12 27 | 2 31 | 21 30 | 0 33 | 6 50 | 1 13 | 5 6 | 16 34 | 22 48 | 22 40 | 8 20 | 6 52 | 2 17 |
| S 18 | 20 47 | 10 8 | 5 10 | 24 19 | 1 8 | 24 49 | 2 37 | 0 44 | 1 27 | 14 30 | 0 56 | 12 26 | 2 31 | 21 30 | 0 34 | 6 50 | 1 13 | 5 6 | 16 34 | 22 49 | 22 41 | 8 17 | 6 54 | 2 17 |
| S 19 | 20 58 | 14 51 | 5 3 | 24 4 | 0 53 | 24 39 | 2 36 | 0 58 | 1 27 | 14 34 | 0 56 | 12 24 | 2 31 | 21 31 | 0 34 | 6 50 | 1 13 | 5 6 | 16 34 | 22 49 | 22 41 | 8 14 | 6 57 | 2 17 |
| M20 | 21 10 | 19 1 | 4 40 | 23 46 | 0 37 | 24 27 | 2 34 | 1 13 | 1 27 | 14 38 | 0 56 | 12 23 | 2 30 | 21 31 | 0 34 | 6 49 | 1 13 | 5 7 | 16 34 | 22 50 | 22 41 | 8 11 | 6 59 | 2 17 |
| T 21 | 21 21 | 22 20 | 4 3 | 23 27 | 0 19 | 24 15 | 2 33 | 1 27 | 1 27 | 14 42 | 0 56 | 12 22 | 2 30 | 21 31 | 0 34 | 6 49 | 1 14 | 5 7 | 16 33 | 22 51 | 22 42 | 8 8 | 7 2 | 2 16 |
| W22 | 21 31 | 24 30 | 3 11 | 23 4 | 0 0 | 24 3 | 2 32 | 1 41 | 1 27 | 14 46 | 0 56 | 12 21 | 2 30 | 21 32 | 0 34 | 6 49 | 1 14 | 5 7 | 16 33 | 22 52 | 22 42 | 8 5 | 7 4 | 2 16 |
| T 23 | 21 42 | 25 15 | 2 7 | 22 40 | 0n19 | 23 49 | 2 30 | 1 55 | 1 27 | 14 49 | 0 56 | 12 20 | 2 30 | 21 32 | 0 34 | 6 49 | 1 14 | 5 7 | 16 33 | 22 52 | 22 42 | 8 2 | 7 7 | 2 16 |
| F 24 | 21 51 | 24 24 | 0 54 | 22 14 | 0 39 | 23 36 | 2 28 | 2 9 | 1 27 | 14 53 | 0 56 | 12 19 | 2 30 | 21 32 | 0 34 | 6 49 | 1 14 | 5 7 | 16 33 | 22 52 | 22 43 | 7 59 | 7 9 | 2 16 |
| S 25 | 22 1 | 22 0 | 0s23 | 21 47 | 1 0 | 23 21 | 2 26 | 2 23 | 1 27 | 14 57 | 0 56 | 12 18 | 2 30 | 21 32 | 0 34 | 6 48 | 1 14 | 5 7 | 16 32 | 22 52 | 22 43 | 7 56 | 7 11 | 2 16 |
| S 26 | 22 10 | 18 14 | 1 39 | 21 19 | 1 20 | 23 6 | 2 24 | 2 37 | 1 27 | 15 1 | 0 56 | 12 17 | 2 29 | 21 33 | 0 34 | 6 48 | 1 14 | 5 7 | 16 32 | 22 52 | 22 43 | 7 53 | 7 14 | 2 16 |
| M27 | 22 18 | 13 24 | 2 49 | 20 50 | 1 39 | 22 51 | 2 22 | 2 51 | 1 28 | 15 5 | 0 56 | 12 16 | 2 29 | 21 33 | 0 34 | 6 48 | 1 14 | 5 7 | 16 32 | 22 52 | 22 44 | 7 51 | 7 16 | 2 16 |
| T 28 | 22 26 | 7 52 | 3 49 | 20 22 | 1 56 | 22 35 | 2 19 | 3 5 | 1 28 | 15 8 | 0 56 | 12 15 | 2 29 | 21 33 | 0 34 | 6 48 | 1 14 | 5 7 | 16 32 | 22 52 | 22 44 | 7 48 | 7 18 | 2 16 |
| W29 | 22 34 | 1 56 | 4 34 | 19 54 | 2 12 | 22 18 | 2 17 | 3 19 | 1 28 | 15 12 | 0 56 | 12 14 | 2 29 | 21 34 | 0 34 | 6 48 | 1 14 | 5 7 | 16 31 | 22 52 | 22 45 | 7 45 | 7 21 | 2 16 |
| T 30 | 22s41 | 4s 2 | 5s 3 | 19s29 | 2n26 | 22s 1 | 2s14 | 3s32 | 1n28 | 15s16 | 0n56 | 12n13 | 2s28 | 21n34 | 0n34 | 6n48 | 1n14 | 5s 7 | 16s31 | 22s52 | 22s45 | 7s42 | 7s23 | 2s16 |

Julian Day Number = 2128981.5, Delta T = 16m50s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'40, Lahiri = 11°32'41 Julian Calendar 1 Nov. 1116 == Greg. Calendar 8 Nov. 1116


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# ASTRODIENST EPHEMERIS for the year 1116
# geocentric

## DECEMBER 1116 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 4 50 | 15♐48'31 | 12♎31 | 7°R45 | 2♒55 | 12♎53 | 14♏20 | 8°R56 | 26°R 9 | 15♍43 | 26°R35 | 13°R29 | 14♉34 | 1♓ 5 | 13♎27 | F 1 |
| S 2 | 5 8 46 | 16°49'42 | 26°23 | 6♐41 | 3°59 | 13°29 | 14°32 | 8♉52 | 26♋ 7 | 15°44 | 26♈34 | 13♉26 | 14°31 | 1°12 | 13°33 | S 2 |
| S 3 | 5 12 43 | 17°50'53 | 10♏ 4 | 5°47 | 5° 2 | 14° 4 | 14°44 | 8°49 | 26° 5 | 15°44 | 26°33 | 13°22 | 14°28 | 1°18 | 13°38 | S 3 |
| M 4 | 5 16 39 | 18°52'05 | 23°34 | 5° 4 | 6° 5 | 14°39 | 14°56 | 8°46 | 26° 4 | 15°44 | 26°33 | 13°18 | 14°25 | 1°25 | 13°44 | M 4 |
| T 5 | 5 20 36 | 19°53'17 | 6♑51 | 4°31 | 7° 7 | 15°14 | 15° 8 | 8°43 | 26° 2 | 15°44 | 26°32 | 13°15 | 14°22 | 1°32 | 13°49 | T 5 |
| W 6 | 5 24 33 | 20°54'30 | 19°52 | 4° 9 | 8°10 | 15°49 | 15°20 | 8°40 | 26° 0 | 15°45 | 26°31 | 13°12 | 14°18 | 1°38 | 13°54 | W 6 |
| T 7 | 5 28 29 | 21°55'43 | 2♉38 | 3°57 | 9°11 | 16°24 | 15°32 | 8°37 | 25°58 | 15°45 | 26°31 | 13°10 | 14°15 | 1°45 | 14° 0 | T 7 |
| F 8 | 5 32 26 | 22°56'56 | 15° 9 | 3°D55 | 10°13 | 16°59 | 15°44 | 8°34 | 25°56 | 15°45 | 26°30 | 13°D10 | 14°12 | 1°52 | 14° 5 | F 8 |
| S 9 | 5 36 22 | 23°58'10 | 27°26 | 4° 2 | 11°14 | 17°34 | 15°56 | 8°31 | 25°54 | 15°45 | 26°30 | 13°11 | 14° 9 | 1°58 | 14°10 | S 9 |
| S 10 | 5 40 19 | 24°59'23 | 9♒30 | 4°18 | 12°15 | 18° 9 | 16° 8 | 8°29 | 25°51 | 15°45 | 26°29 | 13°12 | 14° 6 | 2° 5 | 14°15 | S 10 |
| M11 | 5 44 15 | 26° 0'36 | 21°26 | 4°42 | 13°15 | 18°44 | 16°20 | 8°26 | 25°49 | 15°R45 | 26°29 | 13°13 | 14° 3 | 2°12 | 14°20 | M11 |
| T 12 | 5 48 12 | 27° 1'49 | 3♓17 | 5°12 | 14°15 | 19°19 | 16°31 | 8°24 | 25°47 | 15°45 | 26°28 | 13°15 | 13°59 | 2°18 | 14°24 | T 12 |
| W13 | 5 52 8 | 28° 3'01 | 15° 7 | 5°49 | 15°14 | 19°54 | 16°43 | 8°22 | 25°45 | 15°45 | 26°28 | 13°16 | 13°56 | 2°25 | 14°29 | W13 |
| T 14 | 5 56 5 | 29° 4'14 | 27° 1 | 6°31 | 16°13 | 20°28 | 16°54 | 8°19 | 25°43 | 15°45 | 26°27 | 13°R17 | 13°53 | 2°32 | 14°34 | T 14 |
| F 15 | 6 0 2 | 0♉ 5'25 | 9♈ 4 | 7°19 | 17°11 | 21° 3 | 17° 6 | 8°17 | 25°40 | 15°45 | 26°27 | 13°16 | 13°50 | 2°38 | 14°38 | F 15 |
| S 16 | 6 3 58 | 1° 6'37 | 21°21 | 8°11 | 18° 9 | 21°37 | 17°17 | 8°15 | 25°38 | 15°45 | 26°26 | 13°15 | 13°47 | 2°45 | 14°42 | S 16 |
| S 17 | 6 7 55 | 2° 7'48 | 3♉55 | 9° 6 | 19° 6 | 22°12 | 17°28 | 8°13 | 25°36 | 15°45 | 26°26 | 13°14 | 13°43 | 2°52 | 14°47 | S 17 |
| M18 | 6 11 51 | 3° 8'59 | 16°51 | 10° 6 | 20° 3 | 22°46 | 17°40 | 8°12 | 25°33 | 15°44 | 26°26 | 13°13 | 13°40 | 2°59 | 14°51 | M18 |
| T 19 | 6 15 48 | 4°10'10 | 0♊10 | 11° 8 | 20°59 | 23°20 | 17°51 | 8°10 | 25°31 | 15°44 | 26°25 | 13°12 | 13°37 | 3° 5 | 14°55 | T 19 |
| W20 | 6 19 44 | 5°11'20 | 13°52 | 12°14 | 21°55 | 23°55 | 18° 2 | 8° 8 | 25°29 | 15°44 | 26°25 | 13°11 | 13°34 | 3°12 | 14°59 | W20 |
| T 21 | 6 23 41 | 6°12'30 | 27°57 | 13°22 | 22°50 | 24°29 | 18°13 | 8° 7 | 25°26 | 15°43 | 26°25 | 13°10 | 13°31 | 3°19 | 15° 2 | T 21 |
| F 22 | 6 27 37 | 7°13'39 | 12♋19 | 14°32 | 23°44 | 25° 3 | 18°23 | 8° 6 | 25°24 | 15°43 | 26°24 | 13°D10 | 13°28 | 3°25 | 15° 6 | F 22 |
| S 23 | 6 31 34 | 8°14'48 | 26°54 | 15°44 | 24°38 | 25°37 | 18°34 | 8° 4 | 25°21 | 15°43 | 26°24 | 13°10 | 13°24 | 3°32 | 15°10 | S 23 |
| S 24 | 6 35 31 | 9°15'57 | 11♌35 | 16°58 | 25°30 | 26°11 | 18°45 | 8° 3 | 25°19 | 15°42 | 26°24 | 13°10 | 13°21 | 3°39 | 15°13 | S 24 |
| M25 | 6 39 27 | 10°17'05 | 26°16 | 18°14 | 26°23 | 26°45 | 18°56 | 8° 2 | 25°16 | 15°42 | 26°24 | 13°10 | 13°18 | 3°45 | 15°17 | M25 |
| T 26 | 6 43 24 | 11°18'13 | 10♍51 | 19°31 | 27°14 | 27°19 | 19° 6 | 8° 1 | 25°14 | 15°41 | 26°23 | 13°11 | 13°15 | 3°52 | 15°20 | T 26 |
| W27 | 6 47 20 | 12°19'21 | 25°14 | 20°49 | 28° 5 | 27°52 | 19°16 | 8° 0 | 25°11 | 15°41 | 26°23 | 13°11 | 13°12 | 3°59 | 15°23 | W27 |
| T 28 | 6 51 17 | 13°20'29 | 9♎23 | 22° 9 | 28°54 | 28°26 | 19°27 | 8° 0 | 25° 9 | 15°40 | 26°23 | 13°11 | 13° 9 | 4° 5 | 15°26 | T 28 |
| F 29 | 6 55 13 | 14°21'36 | 23°17 | 23°30 | 29°43 | 29° 0 | 19°37 | 7°59 | 25° 6 | 15°40 | 26°23 | 13°11 | 13° 5 | 4°12 | 15°29 | F 29 |
| S 30 | 6 59 10 | 15°22'43 | 6♏54 | 24°52 | 0♓31 | 29°33 | 19°47 | 7°59 | 25° 4 | 15°39 | 26°23 | 13°11 | 13° 2 | 4°19 | 15°32 | S 30 |
| S 31 | 7 3 7 | 16♉23'49 | 20♏15 | 26♐15 | 1♓19 | 0♏ 7 | 19♏57 | 7♉58 | 25♋ 1 | 15♍39 | 26♈23 | 13♉11 | 12♉59 | 4♓26 | 15♎35 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s48 | 9s46 | 5s13 | 19s 7 | 2n38 | 21s44 | 2s11 | 3s46 | 1n28 | 15s19 | 0n56 | 12n12 | 2s28 | 21n35 | 0n34 | 6n48 | 1n14 | 5s 7 | 16s31 | 22s52 | 22s45 | 7s39 | 7s25 | 2s16 | F 1 |
| S 2 | 22 54 | 14 58 | 5 6 | 18 47 | 2 47 | 21 26 | 2 8 | 4 0 | 1 28 | 15 23 | 0 56 | 12 11 | 2 28 | 21 35 | 0 34 | 6 47 | 1 14 | 5 7 | 16 31 | 22 52 | 22 46 | 7 36 | 7 27 | 2 16 | S 2 |
| S 3 | 23 0 | 19 20 | 4 40 | 18 31 | 2 54 | 21 7 | 2 5 | 4 13 | 1 28 | 15 27 | 0 56 | 12 10 | 2 28 | 21 35 | 0 34 | 6 47 | 1 14 | 5 7 | 16 30 | 22 53 | 22 46 | 7 33 | 7 29 | 2 16 | S 3 |
| M 4 | 23 5 | 22 37 | 4 0 | 18 19 | 2 59 | 20 48 | 2 2 | 4 27 | 1 28 | 15 30 | 0 56 | 12 10 | 2 28 | 21 36 | 0 34 | 6 47 | 1 14 | 5 7 | 16 30 | 22 53 | 22 46 | 7 30 | 7 31 | 2 16 | M 4 |
| T 5 | 23 10 | 24 37 | 3 7 | 18 11 | 3 1 | 20 29 | 1 58 | 4 41 | 1 28 | 15 34 | 0 56 | 12 9 | 2 27 | 21 36 | 0 34 | 6 47 | 1 14 | 5 7 | 16 30 | 22 54 | 22 47 | 7 27 | 7 34 | 2 16 | T 5 |
| W 6 | 23 14 | 25 14 | 2 5 | 18 6 | 3 2 | 20 9 | 1 54 | 4 54 | 1 28 | 15 37 | 0 56 | 12 8 | 2 27 | 21 36 | 0 34 | 6 47 | 1 14 | 5 7 | 16 29 | 22 54 | 22 47 | 7 24 | 7 36 | 2 16 | W 6 |
| T 7 | 23 18 | 24 29 | 0 58 | 18 5 | 3 1 | 19 49 | 1 50 | 5 8 | 1 28 | 15 41 | 0 56 | 12 8 | 2 27 | 21 37 | 0 34 | 6 47 | 1 14 | 5 7 | 16 29 | 22 54 | 22 47 | 7 21 | 7 38 | 2 16 | T 7 |
| F 8 | 23 22 | 22 30 | 0n11 | 18 7 | 2 58 | 19 28 | 1 46 | 5 21 | 1 28 | 15 44 | 0 56 | 12 7 | 2 27 | 21 37 | 0 34 | 6 47 | 1 14 | 5 6 | 16 29 | 22 54 | 22 48 | 7 18 | 7 40 | 2 16 | F 8 |
| S 9 | 23 25 | 19 30 | 1 18 | 18 12 | 2 54 | 19 7 | 1 42 | 5 34 | 1 28 | 15 47 | 0 56 | 12 6 | 2 26 | 21 38 | 0 34 | 6 47 | 1 14 | 5 6 | 16 28 | 22 54 | 22 48 | 7 15 | 7 41 | 2 16 | S 9 |
| S 10 | 23 28 | 15 42 | 2 20 | 18 20 | 2 50 | 18 46 | 1 38 | 5 48 | 1 28 | 15 51 | 0 56 | 12 6 | 2 26 | 21 38 | 0 34 | 6 47 | 1 14 | 5 6 | 16 28 | 22 54 | 22 48 | 7 13 | 7 43 | 2 15 | S 10 |
| M11 | 23 30 | 11 20 | 3 16 | 18 29 | 2 44 | 18 25 | 1 33 | 6 1 | 1 28 | 15 54 | 0 56 | 12 5 | 2 26 | 21 39 | 0 34 | 6 47 | 1 15 | 5 6 | 16 28 | 22 54 | 22 49 | 7 10 | 7 45 | 2 15 | M11 |
| T 12 | 23 31 | 6 34 | 4 3 | 18 41 | 2 38 | 18 3 | 1 28 | 6 14 | 1 28 | 15 57 | 0 56 | 12 5 | 2 25 | 21 39 | 0 34 | 6 47 | 1 15 | 5 6 | 16 28 | 22 53 | 22 49 | 7 7 | 7 47 | 2 15 | T 12 |
| W13 | 23 32 | 1 36 | 4 39 | 18 54 | 2 31 | 17 40 | 1 23 | 6 27 | 1 28 | 16 1 | 0 56 | 12 4 | 2 25 | 21 39 | 0 34 | 6 47 | 1 15 | 5 6 | 16 27 | 22 53 | 22 49 | 7 4 | 7 49 | 2 15 | W13 |
| T 14 | 23 33 | 3n27 | 5 4 | 19 9 | 2 23 | 17 18 | 1 18 | 6 40 | 1 28 | 16 4 | 0 56 | 12 4 | 2 25 | 21 40 | 0 34 | 6 48 | 1 15 | 5 6 | 16 27 | 22 53 | 22 50 | 7 1 | 7 51 | 2 15 | T 14 |
| F 15 | 23 33 | 8 27 | 5 16 | 19 25 | 2 15 | 16 55 | 1 13 | 6 53 | 1 28 | 16 7 | 0 56 | 12 3 | 2 25 | 21 40 | 0 34 | 6 48 | 1 15 | 5 6 | 16 27 | 22 53 | 22 50 | 6 58 | 7 52 | 2 15 | F 15 |
| S 16 | 23 33 | 13 12 | 5 14 | 19 41 | 2 7 | 16 32 | 1 7 | 7 6 | 1 28 | 16 10 | 0 57 | 12 3 | 2 24 | 21 41 | 0 34 | 6 48 | 1 15 | 5 5 | 16 26 | 22 53 | 22 50 | 6 55 | 7 54 | 2 15 | S 16 |
| S 17 | 23 32 | 17 32 | 4 56 | 19 58 | 1 59 | 16 9 | 1 2 | 7 19 | 1 28 | 16 13 | 0 57 | 12 3 | 2 24 | 21 41 | 0 34 | 6 48 | 1 15 | 5 5 | 16 26 | 22 54 | 22 51 | 6 52 | 7 56 | 2 15 | S 17 |
| M18 | 23 31 | 21 10 | 4 24 | 20 15 | 1 50 | 15 45 | 0 56 | 7 32 | 1 28 | 16 16 | 0 57 | 12 2 | 2 24 | 21 42 | 0 34 | 6 48 | 1 15 | 5 5 | 16 26 | 22 54 | 22 51 | 6 49 | 7 57 | 2 15 | M18 |
| T 19 | 23 29 | 23 49 | 3 37 | 20 33 | 1 41 | 15 21 | 0 50 | 7 45 | 1 28 | 16 20 | 0 57 | 12 2 | 2 24 | 21 42 | 0 34 | 6 48 | 1 15 | 5 5 | 16 25 | 22 54 | 22 51 | 6 46 | 7 59 | 2 15 | T 19 |
| W20 | 23 27 | 25 9 | 2 36 | 20 50 | 1 33 | 14 57 | 0 44 | 7 58 | 1 28 | 16 23 | 0 57 | 12 2 | 2 23 | 21 43 | 0 34 | 6 48 | 1 15 | 5 5 | 16 25 | 22 54 | 22 52 | 6 43 | 8 0 | 2 15 | W20 |
| T 21 | 23 24 | 24 56 | 1 24 | 21 8 | 1 24 | 14 33 | 0 37 | 8 10 | 1 28 | 16 26 | 0 57 | 12 1 | 2 23 | 21 43 | 0 34 | 6 48 | 1 15 | 5 4 | 16 25 | 22 54 | 22 52 | 6 40 | 8 2 | 2 15 | T 21 |
| F 22 | 23 21 | 23 4 | 0 5 | 21 25 | 1 15 | 14 9 | 0 30 | 8 23 | 1 28 | 16 29 | 0 57 | 12 1 | 2 23 | 21 44 | 0 34 | 6 49 | 1 15 | 5 4 | 16 24 | 22 54 | 22 52 | 6 37 | 8 3 | 2 15 | F 22 |
| S 23 | 23 18 | 19 39 | 1s16 | 21 41 | 1 6 | 13 45 | 0 24 | 8 35 | 1 28 | 16 31 | 0 57 | 12 1 | 2 22 | 21 44 | 0 34 | 6 49 | 1 15 | 5 4 | 16 24 | 22 54 | 22 53 | 6 34 | 8 4 | 2 15 | S 23 |
| S 24 | 23 14 | 14 58 | 2 31 | 21 57 | 0 58 | 13 20 | 0 17 | 8 48 | 1 28 | 16 34 | 0 57 | 12 1 | 2 22 | 21 44 | 0 34 | 6 49 | 1 15 | 5 4 | 16 24 | 22 54 | 22 53 | 6 31 | 8 6 | 2 15 | S 24 |
| M25 | 23 9 | 9 25 | 3 37 | 22 13 | 0 49 | 12 56 | 0 9 | 9 0 | 1 28 | 16 37 | 0 57 | 12 1 | 2 22 | 21 45 | 0 34 | 6 49 | 1 15 | 5 4 | 16 23 | 22 54 | 22 53 | 6 29 | 8 7 | 2 15 | M25 |
| T 26 | 23 4 | 3 24 | 4 29 | 22 28 | 0 40 | 12 31 | 0 2 | 9 12 | 1 28 | 16 40 | 0 57 | 12 1 | 2 22 | 21 45 | 0 34 | 6 49 | 1 15 | 5 3 | 16 23 | 22 54 | 22 53 | 6 26 | 8 8 | 2 15 | T 26 |
| W27 | 22 59 | 2s43 | 5 2 | 22 42 | 0 32 | 12 7 | 0n 6 | 9 24 | 1 28 | 16 43 | 0 57 | 12 1 | 2 21 | 21 46 | 0 35 | 6 50 | 1 15 | 5 3 | 16 22 | 22 54 | 22 54 | 6 23 | 8 10 | 2 15 | W27 |
| T 28 | 22 53 | 8 35 | 5 17 | 22 56 | 0 23 | 11 42 | 0 14 | 9 36 | 1 28 | 16 46 | 0 57 | 12 1 | 2 21 | 21 46 | 0 35 | 6 50 | 1 15 | 5 3 | 16 22 | 22 54 | 22 54 | 6 20 | 8 11 | 2 15 | T 28 |
| F 29 | 22 47 | 13 55 | 5 13 | 23 8 | 0 15 | 11 17 | 0 22 | 9 48 | 1 27 | 16 48 | 0 57 | 12 1 | 2 21 | 21 47 | 0 35 | 6 50 | 1 15 | 5 2 | 16 22 | 22 54 | 22 54 | 6 17 | 8 12 | 2 15 | F 29 |
| S 30 | 22 40 | 18 27 | 4 51 | 23 20 | 0 7 | 10 53 | 0 30 | 10 0 | 1 27 | 16 51 | 0 57 | 12 1 | 2 20 | 21 47 | 0 35 | 6 50 | 1 15 | 5 2 | 16 21 | 22 54 | 22 55 | 6 14 | 8 13 | 2 15 | S 30 |
| S 31 | 22s33 | 21s58 | 4s14 | 23s31 | 0s 1 | 10s28 | 0n38 | 10s12 | 1n27 | 16s54 | 0n57 | 12n 2 | 2s20 | 21n48 | 0n35 | 6n51 | 1n16 | 5s 2 | 16s21 | 22s54 | 22s55 | 6s11 | 8s14 | 2s15 | S 31 |

Julian Day Number = 2129011.5, Delta T = 16m50s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'44, Lahiri = 11°32'45 Julian Calendar 1 Dec. 1116 == Greg. Calendar 8 Dec. 1116


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## JANUARY 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 7 3 | 17♉24'56 | 3♐20 | 27♐39 | 2♓ 5 | 0♏40 | 20♏ 7 | 7°R58 | 24°R59 | 15°R38 | 26°R23 | 13♉12 | 12♉56 | 4♓32 | 15♎37 | M 1 |
| T 2 | 7 11 0 | 18°26'01 | 16°12 | 29° 4 | 2°50 | 1°13 | 20°17 | 7♉58 | 24♋56 | 15♍37 | 26♈23 | 13°12 | 12°53 | 4°39 | 15°40 | T 2 |
| W 3 | 7 14 56 | 19°27'06 | 28°51 | 0♉30 | 3°34 | 1°47 | 20°27 | 7°D58 | 24°53 | 15°36 | 26°D23 | 13°13 | 12°49 | 4°46 | 15°42 | W 3 |
| T 4 | 7 18 53 | 20°28'11 | 11♉18 | 1°57 | 4°17 | 2°20 | 20°36 | 7°58 | 24°51 | 15°36 | 26°23 | 13°R13 | 12°46 | 4°52 | 15°45 | T 4 |
| F 5 | 7 22 49 | 21°29'14 | 23°34 | 3°24 | 4°59 | 2°53 | 20°46 | 7°58 | 24°48 | 15°35 | 26°23 | 13°13 | 12°43 | 4°59 | 15°47 | F 5 |
| S 6 | 7 26 46 | 22°30'17 | 5♒42 | 4°52 | 5°40 | 3°26 | 20°55 | 7°59 | 24°46 | 15°34 | 26°23 | 13°12 | 12°40 | 5° 6 | 15°49 | S 6 |
| S 7 | 7 30 42 | 23°31'19 | 17°41 | 6°21 | 6°20 | 3°58 | 21° 4 | 7°59 | 24°43 | 15°33 | 26°23 | 13°11 | 12°37 | 5°12 | 15°51 | S 7 |
| M 8 | 7 34 39 | 24°32'19 | 29°35 | 7°51 | 6°58 | 4°31 | 21°13 | 8° 0 | 24°40 | 15°32 | 26°23 | 13° 9 | 12°34 | 5°19 | 15°53 | M 8 |
| T 9 | 7 38 36 | 25°33'18 | 11♓25 | 9°21 | 7°35 | 5° 4 | 21°22 | 8° 0 | 24°38 | 15°31 | 26°23 | 13° 7 | 12°30 | 5°26 | 15°54 | T 9 |
| W10 | 7 42 32 | 26°34'16 | 23°15 | 10°52 | 8°11 | 5°36 | 21°31 | 8° 1 | 24°35 | 15°30 | 26°23 | 13° 5 | 12°27 | 5°32 | 15°56 | W10 |
| T 11 | 7 46 29 | 27°35'13 | 5♈ 9 | 12°24 | 8°45 | 6° 9 | 21°40 | 8° 2 | 24°32 | 15°29 | 26°23 | 13° 4 | 12°24 | 5°39 | 15°57 | T 11 |
| F 12 | 7 50 25 | 28°36'09 | 17°10 | 13°56 | 9°18 | 6°41 | 21°49 | 8° 3 | 24°30 | 15°29 | 26°23 | 13° 3 | 12°21 | 5°46 | 15°59 | F 12 |
| S 13 | 7 54 22 | 29°37'03 | 29°22 | 15°30 | 9°50 | 7°13 | 21°57 | 8° 4 | 24°27 | 15°27 | 26°24 | 13°D 2 | 12°18 | 5°53 | 16° 0 | S 13 |
| S 14 | 7 58 18 | 0♒37'56 | 11♉51 | 17° 3 | 10°19 | 7°45 | 22° 6 | 8° 6 | 24°25 | 15°26 | 26°24 | 13° 3 | 12°15 | 5°59 | 16° 1 | S 14 |
| M15 | 8 2 15 | 1°38'47 | 24°41 | 18°38 | 10°47 | 8°17 | 22°14 | 8° 7 | 24°22 | 15°25 | 26°24 | 13° 4 | 12°11 | 6° 6 | 16° 2 | M15 |
| T 16 | 8 6 11 | 2°39'37 | 7♊55 | 20°13 | 11°14 | 8°49 | 22°22 | 8° 8 | 24°19 | 15°24 | 26°24 | 13° 5 | 12° 8 | 6°13 | 16° 3 | T 16 |
| W17 | 8 10 8 | 3°40'25 | 21°36 | 21°50 | 11°38 | 9°21 | 22°30 | 8°10 | 24°17 | 15°23 | 26°25 | 13° 6 | 12° 5 | 6°19 | 16° 4 | W17 |
| T 18 | 8 14 5 | 4°41'12 | 5♋44 | 23°26 | 12° 1 | 9°52 | 22°38 | 8°12 | 24°14 | 15°22 | 26°25 | 13° 7 | 12° 2 | 6°26 | 16° 4 | T 18 |
| F 19 | 8 18 1 | 5°41'57 | 20°16 | 25° 4 | 12°21 | 10°24 | 22°46 | 8°14 | 24°12 | 15°21 | 26°25 | 13°R 7 | 11°59 | 6°33 | 16° 5 | F 19 |
| S 20 | 8 21 58 | 6°42'41 | 5♌ 9 | 26°42 | 12°40 | 10°55 | 22°54 | 8°15 | 24° 9 | 15°20 | 26°26 | 13° 6 | 11°55 | 6°39 | 16° 5 | S 20 |
| S 21 | 8 25 54 | 7°43'24 | 20°13 | 28°22 | 12°57 | 11°27 | 23° 1 | 8°17 | 24° 7 | 15°18 | 26°26 | 13° 4 | 11°52 | 6°46 | 16° 5 | S 21 |
| M22 | 8 29 51 | 8°44'05 | 5♍21 | 0♒ 2 | 13°12 | 11°58 | 23° 9 | 8°20 | 24° 4 | 15°17 | 26°26 | 13° 0 | 11°49 | 6°53 | 16° 6 | M22 |
| T 23 | 8 33 47 | 9°44'45 | 20°22 | 1°43 | 13°24 | 12°29 | 23°16 | 8°22 | 24° 2 | 15°16 | 26°27 | 12°57 | 11°46 | 7° 0 | 16°R 6 | T 23 |
| W24 | 8 37 44 | 10°45'23 | 5♎ 8 | 3°24 | 13°34 | 13° 0 | 23°23 | 8°24 | 23°59 | 15°15 | 26°27 | 12°53 | 11°43 | 7° 6 | 16° 6 | W24 |
| T 25 | 8 41 40 | 11°46'01 | 19°33 | 5° 7 | 13°42 | 13°30 | 23°30 | 8°27 | 23°57 | 15°13 | 26°28 | 12°50 | 11°40 | 7°13 | 16° 5 | T 25 |
| F 26 | 8 45 37 | 12°46'37 | 3♏33 | 6°50 | 13°48 | 14° 1 | 23°37 | 8°29 | 23°54 | 15°12 | 26°28 | 12°48 | 11°36 | 7°20 | 16° 5 | F 26 |
| S 27 | 8 49 34 | 13°47'12 | 17°10 | 8°34 | 13°51 | 14°31 | 23°43 | 8°32 | 23°52 | 15°11 | 26°29 | 12°D48 | 11°33 | 7°26 | 16° 5 | S 27 |
| S 28 | 8 53 30 | 14°47'46 | 0♐23 | 10°20 | 13°R52 | 15° 2 | 23°50 | 8°35 | 23°49 | 15° 9 | 26°29 | 12°49 | 11°30 | 7°33 | 16° 4 | S 28 |
| M29 | 8 57 27 | 15°48'18 | 13°16 | 12° 6 | 13°50 | 15°32 | 23°56 | 8°37 | 23°47 | 15° 8 | 26°30 | 12°51 | 11°27 | 7°40 | 16° 3 | M29 |
| T 30 | 9 1 23 | 16°48'50 | 25°51 | 13°53 | 13°46 | 16° 2 | 24° 2 | 8°40 | 23°45 | 15° 7 | 26°30 | 12°52 | 11°24 | 7°46 | 16° 3 | T 30 |
| W31 | 9 5 20 | 17♒49'19 | 8♉13 | 15♒41 | 13♓39 | 16♏32 | 24♏ 8 | 8♉44 | 23♋42 | 15♍ 5 | 26♈31 | 12°R53 | 11♉21 | 7♓53 | 16♎ 2 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s25 | 24s15 | 3s24 | 23s40 | 0s 8 | 10s 3 | 0n47 | 10s24 | 1n27 | 16s56 | 0n57 | 12n 2 | 2s20 | 21n48 | 0n35 | 6n51 | 1n16 | 5s 2 | 16s21 | 22s54 | 22s55 | 6s 8 | 8s15 | 2s15 |
| T 2 | 22 17 | 25 14 | 2 24 | 23 49 | 0 16 | 9 39 | 0 56 | 10 36 | 1 27 | 16 59 | 0 57 | 12 2 | 2 19 | 21 49 | 0 35 | 6 51 | 1 16 | 5 1 | 16 20 | 22 54 | 22 56 | 6 5 | 8 16 | 2 15 |
| W 3 | 22 8 | 24 52 | 1 19 | 23 57 | 0 23 | 9 14 | 1 5 | 10 47 | 1 27 | 17 1 | 0 58 | 12 2 | 2 19 | 21 49 | 0 35 | 6 52 | 1 16 | 5 1 | 16 20 | 22 54 | 22 56 | 6 2 | 8 17 | 2 15 |
| T 4 | 21 59 | 23 15 | 0 11 | 24 3 | 0 31 | 8 50 | 1 14 | 10 59 | 1 27 | 17 4 | 0 58 | 12 3 | 2 19 | 21 50 | 0 35 | 6 52 | 1 16 | 5 1 | 16 20 | 22 54 | 22 56 | 5 59 | 8 18 | 2 15 |
| F 5 | 21 50 | 20 33 | 0n57 | 24 8 | 0 38 | 8 26 | 1 24 | 11 10 | 1 27 | 17 6 | 0 58 | 12 3 | 2 19 | 21 50 | 0 35 | 6 52 | 1 16 | 5 0 | 16 19 | 22 54 | 22 57 | 5 56 | 8 19 | 2 15 |
| S 6 | 21 40 | 16 59 | 2 1 | 24 12 | 0 44 | 8 2 | 1 34 | 11 22 | 1 27 | 17 9 | 0 58 | 12 3 | 2 18 | 21 51 | 0 35 | 6 53 | 1 16 | 5 0 | 16 19 | 22 54 | 22 57 | 5 53 | 8 19 | 2 15 |
| S 7 | 21 30 | 12 45 | 3 0 | 24 15 | 0 51 | 7 38 | 1 43 | 11 33 | 1 27 | 17 11 | 0 58 | 12 4 | 2 18 | 21 51 | 0 35 | 6 53 | 1 16 | 5 0 | 16 19 | 22 54 | 22 57 | 5 50 | 8 20 | 2 15 |
| M 8 | 21 19 | 8 5 | 3 50 | 24 17 | 0 57 | 7 14 | 1 54 | 11 44 | 1 26 | 17 13 | 0 58 | 12 4 | 2 18 | 21 52 | 0 35 | 6 54 | 1 16 | 4 59 | 16 18 | 22 54 | 22 57 | 5 47 | 8 21 | 2 15 |
| T 9 | 21 8 | 3 10 | 4 29 | 24 17 | 1 4 | 6 51 | 2 4 | 11 55 | 1 26 | 17 16 | 0 58 | 12 5 | 2 17 | 21 52 | 0 35 | 6 54 | 1 16 | 4 59 | 16 18 | 22 54 | 22 58 | 5 45 | 8 21 | 2 15 |
| W10 | 20 56 | 1n52 | 4 58 | 24 16 | 1 9 | 6 28 | 2 15 | 12 6 | 1 26 | 17 18 | 0 58 | 12 5 | 2 17 | 21 53 | 0 35 | 6 54 | 1 16 | 4 58 | 16 18 | 22 54 | 22 58 | 5 42 | 8 22 | 2 15 |
| T 11 | 20 45 | 6 50 | 5 13 | 24 13 | 1 15 | 6 5 | 2 25 | 12 17 | 1 26 | 17 20 | 0 58 | 12 6 | 2 17 | 21 53 | 0 35 | 6 55 | 1 16 | 4 58 | 16 17 | 22 55 | 22 58 | 5 39 | 8 22 | 2 15 |
| F 12 | 20 32 | 11 37 | 5 15 | 24 9 | 1 20 | 5 42 | 2 36 | 12 28 | 1 26 | 17 22 | 0 58 | 12 7 | 2 16 | 21 54 | 0 35 | 6 55 | 1 16 | 4 58 | 16 17 | 22 55 | 22 59 | 5 36 | 8 23 | 2 14 |
| S 13 | 20 20 | 16 1 | 5 3 | 24 4 | 1 26 | 5 20 | 2 47 | 12 38 | 1 26 | 17 24 | 0 58 | 12 7 | 2 16 | 21 54 | 0 35 | 6 56 | 1 16 | 4 57 | 16 16 | 22 55 | 22 59 | 5 33 | 8 23 | 2 14 |
| S 14 | 20 7 | 19 51 | 4 37 | 23 57 | 1 30 | 4 59 | 2 59 | 12 49 | 1 25 | 17 26 | 0 58 | 12 8 | 2 16 | 21 55 | 0 35 | 6 56 | 1 16 | 4 57 | 16 16 | 22 55 | 22 59 | 5 30 | 8 24 | 2 14 |
| M15 | 19 53 | 22 51 | 3 57 | 23 49 | 1 35 | 4 37 | 3 10 | 13 0 | 1 25 | 17 28 | 0 58 | 12 9 | 2 15 | 21 55 | 0 35 | 6 57 | 1 16 | 4 56 | 16 16 | 22 55 | 23 0 | 5 27 | 8 24 | 2 14 |
| T 16 | 19 40 | 24 44 | 3 2 | 23 40 | 1 39 | 4 17 | 3 22 | 13 10 | 1 25 | 17 30 | 0 59 | 12 9 | 2 15 | 21 55 | 0 35 | 6 57 | 1 16 | 4 56 | 16 15 | 22 54 | 23 0 | 5 24 | 8 24 | 2 14 |
| W17 | 19 25 | 25 13 | 1 56 | 23 28 | 1 43 | 3 56 | 3 34 | 13 20 | 1 25 | 17 32 | 0 59 | 12 10 | 2 15 | 21 56 | 0 35 | 6 57 | 1 16 | 4 56 | 16 15 | 22 54 | 23 0 | 5 21 | 8 25 | 2 14 |
| T 18 | 19 11 | 24 6 | 0 41 | 23 16 | 1 47 | 3 37 | 3 46 | 13 30 | 1 25 | 17 34 | 0 59 | 12 11 | 2 15 | 21 56 | 0 35 | 6 58 | 1 16 | 4 55 | 16 15 | 22 54 | 23 0 | 5 18 | 8 25 | 2 14 |
| F 19 | 18 56 | 21 22 | 0s39 | 23 2 | 1 50 | 3 18 | 3 58 | 13 41 | 1 24 | 17 36 | 0 59 | 12 12 | 2 14 | 21 57 | 0 35 | 6 58 | 1 16 | 4 55 | 16 14 | 22 54 | 23 1 | 5 15 | 8 25 | 2 14 |
| S 20 | 18 41 | 17 10 | 1 58 | 22 46 | 1 53 | 2 59 | 4 10 | 13 51 | 1 24 | 17 38 | 0 59 | 12 13 | 2 14 | 21 57 | 0 35 | 6 59 | 1 16 | 4 54 | 16 14 | 22 54 | 23 1 | 5 12 | 8 25 | 2 14 |
| S 21 | 18 26 | 11 48 | 3 10 | 22 29 | 1 56 | 2 41 | 4 23 | 14 1 | 1 24 | 17 40 | 0 59 | 12 14 | 2 14 | 21 58 | 0 35 | 6 59 | 1 16 | 4 54 | 16 14 | 22 55 | 23 1 | 5 9 | 8 25 | 2 14 |
| M22 | 18 10 | 5 44 | 4 9 | 22 10 | 1 58 | 2 24 | 4 35 | 14 10 | 1 24 | 17 42 | 0 59 | 12 15 | 2 13 | 21 58 | 0 35 | 7 0 | 1 16 | 4 53 | 16 13 | 22 55 | 23 2 | 5 6 | 8 25 | 2 14 |
| T 23 | 17 54 | 0s36 | 4 50 | 21 50 | 2 0 | 2 8 | 4 48 | 14 20 | 1 23 | 17 43 | 0 59 | 12 16 | 2 13 | 21 59 | 0 35 | 7 0 | 1 16 | 4 53 | 16 13 | 22 55 | 23 2 | 5 3 | 8 25 | 2 14 |
| W24 | 17 37 | 6 48 | 5 11 | 21 28 | 2 2 | 1 52 | 5 1 | 14 30 | 1 23 | 17 45 | 0 59 | 12 17 | 2 13 | 21 59 | 0 35 | 7 1 | 1 17 | 4 52 | 16 13 | 22 56 | 23 2 | 5 0 | 8 25 | 2 14 |
| T 25 | 17 20 | 12 29 | 5 11 | 21 4 | 2 3 | 1 37 | 5 13 | 14 39 | 1 23 | 17 47 | 0 59 | 12 18 | 2 13 | 21 59 | 0 35 | 7 2 | 1 17 | 4 52 | 16 12 | 22 56 | 23 2 | 4 58 | 8 25 | 2 14 |
| F 26 | 17 3 | 17 21 | 4 53 | 20 39 | 2 4 | 1 23 | 5 26 | 14 49 | 1 22 | 17 48 | 1 0 | 12 19 | 2 12 | 22 0 | 0 35 | 7 2 | 1 17 | 4 51 | 16 12 | 22 56 | 23 3 | 4 55 | 8 25 | 2 14 |
| S 27 | 16 46 | 21 11 | 4 19 | 20 12 | 2 4 | 1 10 | 5 39 | 14 58 | 1 22 | 17 50 | 1 0 | 12 20 | 2 12 | 22 0 | 0 35 | 7 3 | 1 17 | 4 51 | 16 12 | 22 56 | 23 3 | 4 52 | 8 25 | 2 14 |
| S 28 | 16 28 | 23 47 | 3 32 | 19 44 | 2 4 | 0 58 | 5 51 | 15 7 | 1 22 | 17 51 | 1 0 | 12 21 | 2 12 | 22 1 | 0 35 | 7 3 | 1 17 | 4 50 | 16 11 | 22 56 | 23 3 | 4 49 | 8 24 | 2 14 |
| M29 | 16 11 | 25 4 | 2 35 | 19 14 | 2 4 | 0 47 | 6 4 | 15 16 | 1 21 | 17 53 | 1 0 | 12 22 | 2 11 | 22 1 | 0 35 | 7 4 | 1 17 | 4 50 | 16 11 | 22 56 | 23 3 | 4 46 | 8 24 | 2 14 |
| T 30 | 15 52 | 25 1 | 1 32 | 18 42 | 2 3 | 0 37 | 6 17 | 15 25 | 1 21 | 17 54 | 1 0 | 12 24 | 2 11 | 22 2 | 0 35 | 7 4 | 1 17 | 4 49 | 16 11 | 22 56 | 23 4 | 4 43 | 8 24 | 2 14 |
| W31 | 15s34 | 23s43 | 0s26 | 18s 9 | 2s 2 | 0s28 | 6n29 | 15s34 | 1n21 | 17s56 | 1n 0 | 12n25 | 2s11 | 22n 2 | 0n35 | 7n 5 | 1n17 | 4s49 | 16s10 | 22s56 | 23s 4 | 4s40 | 8s23 | 2s13 |

Julian Day Number = 2129042.5, Delta T = 16m50s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'49, Lahiri = 11°32'49 Julian Calendar 1 Jan. 1117 == Greg. Calendar 8 Jan. 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## FEBRUARY 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 9 16 | 18♒49'48 | 20♑24 | 17♒29 | 13°R30 | 17♏ 1 | 24♏14 | 8♉47 | 23°R40 | 15°R 4 | 26♈32 | 12°R53 | 11♑17 | 8♓ 0 | 16°R 1 | T 1 |
| F 2 | 9 13 13 | 19°50'14 | 2♒28 | 19°19 | 13♓19 | 17°31 | 24°20 | 8°50 | 23♋38 | 15♍ 2 | 26°32 | 12♑51 | 11°14 | 8° 7 | 16♎ 0 | F 2 |
| S 3 | 9 17 9 | 20°50'39 | 14°25 | 21°10 | 13° 4 | 18° 0 | 24°26 | 8°53 | 23°36 | 15° 1 | 26°33 | 12°47 | 11°11 | 8°13 | 15°58 | S 3 |
| S 4 | 9 21 6 | 21°51'03 | 26°19 | 23° 1 | 12°48 | 18°30 | 24°31 | 8°57 | 23°33 | 14°59 | 26°33 | 12°41 | 11° 8 | 8°20 | 15°57 | S 4 |
| M 5 | 9 25 3 | 22°51'24 | 8♓10 | 24°53 | 12°29 | 18°59 | 24°36 | 9° 0 | 23°31 | 14°58 | 26°34 | 12°34 | 11° 5 | 8°27 | 15°56 | M 5 |
| T 6 | 9 28 59 | 23°51'44 | 20° 1 | 26°46 | 12° 7 | 19°27 | 24°41 | 9° 4 | 23°29 | 14°56 | 26°35 | 12°26 | 11° 1 | 8°33 | 15°54 | T 6 |
| W 7 | 9 32 56 | 24°52'01 | 1♈52 | 28°40 | 11°44 | 19°56 | 24°46 | 9° 8 | 23°27 | 14°55 | 26°36 | 12°18 | 10°58 | 8°40 | 15°52 | W 7 |
| T 8 | 9 36 52 | 25°52'17 | 13°48 | 0♓34 | 11°18 | 20°24 | 24°51 | 9°12 | 23°25 | 14°53 | 26°36 | 12°10 | 10°55 | 8°47 | 15°51 | T 8 |
| F 9 | 9 40 49 | 26°52'31 | 25°50 | 2°29 | 10°50 | 20°53 | 24°56 | 9°16 | 23°23 | 14°52 | 26°37 | 12° 4 | 10°52 | 8°53 | 15°49 | F 9 |
| S 10 | 9 44 45 | 27°52'43 | 8♉ 2 | 4°24 | 10°20 | 21°21 | 25° 0 | 9°20 | 23°21 | 14°50 | 26°38 | 12° 0 | 10°49 | 9° 0 | 15°47 | S 10 |
| S 11 | 9 48 42 | 28°52'52 | 20°27 | 6°19 | 9°49 | 21°49 | 25° 4 | 9°24 | 23°19 | 14°48 | 26°39 | 11°58 | 10°46 | 9° 7 | 15°45 | S 11 |
| M12 | 9 52 38 | 29°53'00 | 3♊10 | 8°14 | 9°16 | 22°16 | 25° 9 | 9°28 | 23°17 | 14°47 | 26°39 | 11°D57 | 10°42 | 9°14 | 15°42 | M12 |
| T 13 | 9 56 35 | 0♓53'05 | 16°16 | 10° 9 | 8°41 | 22°44 | 25°12 | 9°32 | 23°15 | 14°45 | 26°40 | 11°58 | 10°39 | 9°20 | 15°40 | T 13 |
| W14 | 10 0 32 | 1°53'09 | 29°47 | 12° 4 | 8° 5 | 23°11 | 25°16 | 9°37 | 23°13 | 14°44 | 26°41 | 11°59 | 10°36 | 9°27 | 15°38 | W14 |
| T 15 | 10 4 28 | 2°53'10 | 13♋46 | 13°57 | 7°29 | 23°38 | 25°20 | 9°41 | 23°11 | 14°42 | 26°42 | 12°R 0 | 10°33 | 9°34 | 15°35 | T 15 |
| F 16 | 10 8 25 | 3°53'08 | 28°13 | 15°50 | 6°51 | 24° 5 | 25°23 | 9°46 | 23° 9 | 14°40 | 26°43 | 11°59 | 10°30 | 9°40 | 15°33 | F 16 |
| S 17 | 10 12 21 | 4°53'05 | 13♌ 5 | 17°41 | 6°14 | 24°31 | 25°26 | 9°51 | 23° 7 | 14°39 | 26°44 | 11°55 | 10°27 | 9°47 | 15°30 | S 17 |
| S 18 | 10 16 18 | 5°53'00 | 28°15 | 19°31 | 5°36 | 24°58 | 25°29 | 9°55 | 23° 6 | 14°37 | 26°45 | 11°50 | 10°23 | 9°54 | 15°27 | S 18 |
| M19 | 10 20 14 | 6°52'52 | 13♍35 | 21°18 | 4°58 | 25°24 | 25°32 | 10° 0 | 23° 4 | 14°36 | 26°46 | 11°42 | 10°20 | 10° 1 | 15°24 | M19 |
| T 20 | 10 24 11 | 7°52'43 | 28°52 | 23° 2 | 4°21 | 25°50 | 25°35 | 10° 5 | 23° 2 | 14°34 | 26°47 | 11°33 | 10°17 | 10° 7 | 15°21 | T 20 |
| W21 | 10 28 7 | 8°52'31 | 13♎57 | 24°43 | 3°44 | 26°15 | 25°37 | 10°10 | 23° 1 | 14°32 | 26°47 | 11°25 | 10°14 | 10°14 | 15°18 | W21 |
| T 22 | 10 32 4 | 9°52'18 | 28°39 | 26°20 | 3° 8 | 26°41 | 25°40 | 10°15 | 22°59 | 14°31 | 26°48 | 11°17 | 10°11 | 10°21 | 15°15 | T 22 |
| F 23 | 10 36 1 | 10°52'03 | 12♏54 | 27°52 | 2°33 | 27° 6 | 25°42 | 10°20 | 22°58 | 14°29 | 26°49 | 11°12 | 10° 7 | 10°27 | 15°12 | F 23 |
| S 24 | 10 39 57 | 11°51'46 | 26°39 | 29°20 | 1°59 | 27°31 | 25°44 | 10°25 | 22°56 | 14°27 | 26°50 | 11° 9 | 10° 4 | 10°34 | 15° 9 | S 24 |
| S 25 | 10 43 54 | 12°51'28 | 9♐55 | 0♈43 | 1°27 | 27°56 | 25°46 | 10°31 | 22°55 | 14°26 | 26°51 | 11°D 7 | 10° 1 | 10°41 | 15° 5 | S 25 |
| M26 | 10 47 50 | 13°51'08 | 22°46 | 2° 0 | 0°57 | 28°20 | 25°47 | 10°36 | 22°53 | 14°24 | 26°53 | 11° 8 | 9°58 | 10°47 | 15° 2 | M26 |
| T 27 | 10 51 47 | 14°50'46 | 5♑17 | 3°11 | 0°29 | 28°44 | 25°49 | 10°42 | 22°52 | 14°22 | 26°54 | 11°R 8 | 9°55 | 10°54 | 14°58 | T 27 |
| W28 | 10 55 43 | 15♓50'23 | 17♑31 | 4♈15 | 0♓ 2 | 29♏ 8 | 25♏50 | 10♉47 | 22♋51 | 14♍21 | 26♈55 | 11♑ 8 | 9♑52 | 11♓ 1 | 14♎55 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15s15 | 21s19 | 0n41 | 17s34 | 2s 0 | 0s21 | 6n41 | 15s43 | 1n20 | 17s57 | 1n 0 | 12n26 | 2s10 | 22n 2 | 0n35 | 7n 6 | 1n17 | 4s48 | 16s10 | 22s56 | 23s 4 | 4s37 | 8s23 | 2s13 | T 1 |
| F 2 | 14 56 | 18 0 | 1 45 | 16 57 | 1 57 | 0 14 | 6 53 | 15 52 | 1 20 | 17 58 | 1 0 | 12 27 | 2 10 | 22 3 | 0 35 | 7 6 | 1 17 | 4 48 | 16 10 | 22 56 | 23 5 | 4 34 | 8 22 | 2 13 | F 2 |
| S 3 | 14 37 | 13 59 | 2 43 | 16 19 | 1 54 | 0 9 | 7 4 | 16 0 | 1 20 | 18 0 | 1 0 | 12 29 | 2 10 | 22 3 | 0 35 | 7 7 | 1 17 | 4 47 | 16 9 | 22 56 | 23 5 | 4 31 | 8 22 | 2 13 | S 3 |
| S 4 | 14 17 | 9 27 | 3 34 | 15 39 | 1 51 | 0 5 | 7 16 | 16 9 | 1 19 | 18 1 | 1 0 | 12 30 | 2 10 | 22 3 | 0 35 | 7 7 | 1 17 | 4 47 | 16 9 | 22 57 | 23 5 | 4 28 | 8 21 | 2 13 | S 4 |
| M 5 | 13 58 | 4 36 | 4 15 | 14 58 | 1 47 | 0 2 | 7 27 | 16 17 | 1 19 | 18 2 | 1 1 | 12 31 | 2 9 | 22 4 | 0 35 | 7 8 | 1 17 | 4 46 | 16 9 | 22 57 | 23 5 | 4 25 | 8 20 | 2 13 | M 5 |
| T 6 | 13 38 | 0n24 | 4 45 | 14 15 | 1 42 | 0 0 | 7 37 | 16 25 | 1 18 | 18 3 | 1 1 | 12 33 | 2 9 | 22 4 | 0 35 | 7 9 | 1 17 | 4 46 | 16 8 | 22 58 | 23 6 | 4 22 | 8 20 | 2 13 | T 6 |
| W 7 | 13 18 | 5 23 | 5 3 | 13 31 | 1 37 | 0 0 | 7 47 | 16 34 | 1 18 | 18 4 | 1 1 | 12 34 | 2 9 | 22 5 | 0 35 | 7 9 | 1 17 | 4 45 | 16 8 | 22 59 | 23 6 | 4 19 | 8 19 | 2 13 | W 7 |
| T 8 | 12 57 | 10 12 | 5 8 | 12 45 | 1 31 | 0 1 | 7 56 | 16 42 | 1 17 | 18 5 | 1 1 | 12 36 | 2 9 | 22 5 | 0 35 | 7 10 | 1 17 | 4 45 | 16 8 | 23 0 | 23 6 | 4 16 | 8 18 | 2 13 | T 8 |
| F 9 | 12 37 | 14 40 | 5 0 | 11 58 | 1 25 | 0 4 | 8 5 | 16 50 | 1 17 | 18 6 | 1 1 | 12 37 | 2 8 | 22 5 | 0 35 | 7 10 | 1 17 | 4 44 | 16 7 | 23 0 | 23 6 | 4 14 | 8 17 | 2 13 | F 9 |
| S 10 | 12 16 | 18 37 | 4 37 | 11 9 | 1 18 | 0 8 | 8 12 | 16 57 | 1 16 | 18 7 | 1 1 | 12 39 | 2 8 | 22 6 | 0 35 | 7 11 | 1 17 | 4 44 | 16 7 | 23 1 | 23 7 | 4 11 | 8 16 | 2 13 | S 10 |
| S 11 | 11 55 | 21 50 | 4 2 | 10 19 | 1 10 | 0 13 | 8 20 | 17 5 | 1 16 | 18 8 | 1 1 | 12 40 | 2 8 | 22 6 | 0 35 | 7 12 | 1 17 | 4 43 | 16 7 | 23 1 | 23 7 | 4 8 | 8 16 | 2 12 | S 11 |
| M12 | 11 34 | 24 4 | 3 14 | 9 29 | 1 2 | 0 19 | 8 26 | 17 13 | 1 15 | 18 9 | 1 1 | 12 42 | 2 7 | 22 6 | 0 35 | 7 12 | 1 17 | 4 43 | 16 6 | 23 1 | 23 7 | 4 5 | 8 15 | 2 12 | M12 |
| T 13 | 11 13 | 25 4 | 2 14 | 8 37 | 0 53 | 0 27 | 8 32 | 17 20 | 1 15 | 18 10 | 1 1 | 12 44 | 2 7 | 22 7 | 0 35 | 7 13 | 1 17 | 4 42 | 16 6 | 23 1 | 23 7 | 4 2 | 8 14 | 2 12 | T 13 |
| W14 | 10 51 | 24 39 | 1 5 | 7 44 | 0 44 | 0 35 | 8 36 | 17 28 | 1 14 | 18 11 | 1 2 | 12 45 | 2 7 | 22 7 | 0 35 | 7 14 | 1 17 | 4 41 | 16 6 | 23 1 | 23 8 | 3 59 | 8 13 | 2 12 | W14 |
| T 15 | 10 30 | 22 41 | 0s10 | 6 51 | 0 33 | 0 45 | 8 40 | 17 35 | 1 14 | 18 11 | 1 2 | 12 47 | 2 7 | 22 7 | 0 35 | 7 14 | 1 17 | 4 41 | 16 6 | 23 1 | 23 8 | 3 56 | 8 11 | 2 12 | T 15 |
| F 16 | 10 8 | 19 13 | 1 26 | 5 58 | 0 23 | 0 56 | 8 43 | 17 42 | 1 13 | 18 12 | 1 2 | 12 49 | 2 6 | 22 7 | 0 35 | 7 15 | 1 17 | 4 40 | 16 5 | 23 1 | 23 8 | 3 53 | 8 10 | 2 12 | F 16 |
| S 17 | 9 46 | 14 26 | 2 39 | 5 4 | 0 12 | 1 8 | 8 44 | 17 49 | 1 12 | 18 13 | 1 2 | 12 50 | 2 6 | 22 8 | 0 34 | 7 16 | 1 17 | 4 40 | 16 5 | 23 1 | 23 8 | 3 50 | 8 9 | 2 12 | S 17 |
| S 18 | 9 24 | 8 40 | 3 42 | 4 10 | 0n 0 | 1 21 | 8 45 | 17 56 | 1 12 | 18 13 | 1 2 | 12 52 | 2 6 | 22 8 | 0 34 | 7 16 | 1 17 | 4 39 | 16 5 | 23 2 | 23 9 | 3 47 | 8 8 | 2 12 | S 18 |
| M19 | 9 2 | 2 20 | 4 30 | 3 17 | 0 12 | 1 35 | 8 45 | 18 3 | 1 11 | 18 14 | 1 2 | 12 54 | 2 6 | 22 8 | 0 34 | 7 17 | 1 17 | 4 39 | 16 5 | 23 2 | 23 9 | 3 44 | 8 7 | 2 11 | M19 |
| T 20 | 8 39 | 4s 6 | 4 58 | 2 24 | 0 25 | 1 50 | 8 44 | 18 10 | 1 10 | 18 14 | 1 2 | 12 56 | 2 5 | 22 9 | 0 34 | 7 17 | 1 17 | 4 38 | 16 4 | 23 3 | 23 9 | 3 41 | 8 5 | 2 11 | T 20 |
| W21 | 8 17 | 10 12 | 5 5 | 1 32 | 0 38 | 2 5 | 8 42 | 18 17 | 1 10 | 18 15 | 1 2 | 12 57 | 2 5 | 22 9 | 0 34 | 7 18 | 1 17 | 4 37 | 16 4 | 23 4 | 23 9 | 3 38 | 8 4 | 2 11 | W21 |
| T 22 | 7 54 | 15 35 | 4 51 | 0 41 | 0 51 | 2 20 | 8 39 | 18 23 | 1 9 | 18 15 | 1 2 | 12 59 | 2 5 | 22 9 | 0 34 | 7 19 | 1 17 | 4 37 | 16 4 | 23 4 | 23 10 | 3 35 | 8 3 | 2 11 | T 22 |
| F 23 | 7 32 | 19 54 | 4 20 | 0n 8 | 1 4 | 2 36 | 8 35 | 18 30 | 1 8 | 18 16 | 1 3 | 13 1 | 2 5 | 22 9 | 0 34 | 7 19 | 1 17 | 4 36 | 16 3 | 23 5 | 23 10 | 3 33 | 8 1 | 2 11 | F 23 |
| S 24 | 7 9 | 22 58 | 3 35 | 0 55 | 1 17 | 2 53 | 8 30 | 18 36 | 1 8 | 18 16 | 1 3 | 13 3 | 2 5 | 22 10 | 0 34 | 7 20 | 1 17 | 4 36 | 16 3 | 23 5 | 23 10 | 3 30 | 8 0 | 2 11 | S 24 |
| S 25 | 6 46 | 24 40 | 2 39 | 1 40 | 1 31 | 3 9 | 8 24 | 18 43 | 1 7 | 18 16 | 1 3 | 13 5 | 2 4 | 22 10 | 0 34 | 7 21 | 1 17 | 4 35 | 16 3 | 23 5 | 23 10 | 3 27 | 7 58 | 2 10 | S 25 |
| M26 | 6 23 | 24 58 | 1 36 | 2 23 | 1 44 | 3 26 | 8 18 | 18 49 | 1 6 | 18 17 | 1 3 | 13 7 | 2 4 | 22 10 | 0 34 | 7 21 | 1 17 | 4 34 | 16 3 | 23 5 | 23 11 | 3 24 | 7 57 | 2 10 | M26 |
| T 27 | 6 0 | 23 58 | 0 31 | 3 3 | 1 57 | 3 42 | 8 10 | 18 55 | 1 5 | 18 17 | 1 3 | 13 9 | 2 4 | 22 10 | 0 34 | 7 22 | 1 17 | 4 34 | 16 2 | 23 5 | 23 11 | 3 21 | 7 55 | 2 10 | T 27 |
| W28 | 5s37 | 21s50 | 0n34 | 3n40 | 2n 9 | 3s59 | 8n 3 | 19s 1 | 1n 4 | 18s17 | 1n 3 | 13n10 | 2s 4 | 22n10 | 0n34 | 7n23 | 1n17 | 4s33 | 16s 2 | 23s 5 | 23s11 | 3s18 | 7s54 | 2s10 | W28 |

Julian Day Number = 2129073.5, Delta T = 16m49s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'53, Lahiri = 11°32'53 Julian Calendar 1 Feb. 1117 == Greg. Calendar 8 Feb. 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## MARCH 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 59 40 | 16♓49'57 | 29♉34 | 5♈13 | 29°R38 | 29♏31 | 25♏51 | 10♉53 | 22°R50 | 14°R19 | 26♈56 | 11°R 6 | 9♉48 | 11♓ 8 | 14°R51 | T 1 |
| F 2 | 11 3 36 | 17°49'30 | 11♒29 | 6° 3 | 29♒16 | 29°54 | 25°52 | 10°58 | 22♋48 | 14♍17 | 26°57 | 11♉ 2 | 9°45 | 11°14 | 14♎47 | F 2 |
| S 3 | 11 7 33 | 18°49'01 | 23°20 | 6°46 | 28°56 | 0♐17 | 25°52 | 11° 4 | 22°47 | 14°16 | 26°58 | 10°55 | 9°42 | 11°21 | 14°43 | S 3 |
| S 4 | 11 11 29 | 19°48'29 | 5♓10 | 7°21 | 28°38 | 0°40 | 25°53 | 11°10 | 22°46 | 14°14 | 26°59 | 10°45 | 9°39 | 11°28 | 14°40 | S 4 |
| M 5 | 11 15 26 | 20°47'56 | 17° 1 | 7°49 | 28°23 | 1° 2 | 25°53 | 11°16 | 22°45 | 14°12 | 27° 0 | 10°33 | 9°36 | 11°34 | 14°36 | M 5 |
| T 6 | 11 19 23 | 21°47'20 | 28°54 | 8° 9 | 28°11 | 1°24 | 25°R53 | 11°22 | 22°44 | 14°11 | 27° 1 | 10°20 | 9°33 | 11°41 | 14°32 | T 6 |
| W 7 | 11 23 19 | 22°46'43 | 10♈51 | 8°21 | 28° 1 | 1°45 | 25°53 | 11°28 | 22°43 | 14° 9 | 27° 2 | 10° 6 | 9°29 | 11°48 | 14°27 | W 7 |
| T 8 | 11 27 16 | 23°46'03 | 22°52 | 8°R25 | 27°53 | 2° 6 | 25°53 | 11°34 | 22°42 | 14° 7 | 27° 4 | 9°54 | 9°26 | 11°54 | 14°23 | T 8 |
| F 9 | 11 31 12 | 24°45'21 | 5♉ 1 | 8°22 | 27°48 | 2°27 | 25°52 | 11°40 | 22°41 | 14° 6 | 27° 5 | 9°43 | 9°23 | 12° 1 | 14°19 | F 9 |
| S 10 | 11 35 9 | 25°44'37 | 17°18 | 8°11 | 27°45 | 2°47 | 25°52 | 11°46 | 22°41 | 14° 4 | 27° 6 | 9°35 | 9°20 | 12° 8 | 14°15 | S 10 |
| S 11 | 11 39 5 | 26°43'51 | 29°47 | 7°54 | 27°D45 | 3° 7 | 25°51 | 11°52 | 22°40 | 14° 3 | 27° 7 | 9°29 | 9°17 | 12°15 | 14°11 | S 11 |
| M12 | 11 43 2 | 27°43'02 | 12♊30 | 7°31 | 27°47 | 3°27 | 25°50 | 11°59 | 22°39 | 14° 1 | 27° 8 | 9°27 | 9°13 | 12°21 | 14° 6 | M12 |
| T 13 | 11 46 58 | 28°42'11 | 25°31 | 7° 2 | 27°51 | 3°46 | 25°49 | 12° 5 | 22°38 | 13°59 | 27°10 | 9°D26 | 9°10 | 12°28 | 14° 2 | T 13 |
| W14 | 11 50 55 | 29°41'18 | 8♋54 | 6°27 | 27°57 | 4° 5 | 25°47 | 12°11 | 22°38 | 13°58 | 27°11 | 9°R26 | 9° 7 | 12°35 | 13°58 | W14 |
| T 15 | 11 54 52 | 0♈40'22 | 22°41 | 5°48 | 28° 6 | 4°23 | 25°46 | 12°18 | 22°37 | 13°56 | 27°12 | 9°25 | 9° 4 | 12°41 | 13°53 | T 15 |
| F 16 | 11 58 48 | 1°39'24 | 6♌55 | 5° 6 | 28°17 | 4°41 | 25°44 | 12°24 | 22°37 | 13°55 | 27°13 | 9°23 | 9° 1 | 12°48 | 13°49 | F 16 |
| S 17 | 12 2 45 | 2°38'23 | 21°33 | 4°21 | 28°30 | 4°59 | 25°42 | 12°31 | 22°36 | 13°53 | 27°15 | 9°19 | 8°58 | 12°55 | 13°44 | S 17 |
| S 18 | 12 6 41 | 3°37'21 | 6♍33 | 3°35 | 28°45 | 5°16 | 25°40 | 12°38 | 22°36 | 13°51 | 27°16 | 9°12 | 8°54 | 13° 2 | 13°40 | S 18 |
| M19 | 12 10 38 | 4°36'15 | 21°45 | 2°47 | 29° 2 | 5°33 | 25°37 | 12°44 | 22°36 | 13°50 | 27°17 | 9° 2 | 8°51 | 13° 8 | 13°35 | M19 |
| T 20 | 12 14 34 | 5°35'08 | 7♎ 1 | 2° 0 | 29°21 | 5°49 | 25°35 | 12°51 | 22°36 | 13°48 | 27°18 | 8°51 | 8°48 | 13°15 | 13°30 | T 20 |
| W21 | 12 18 31 | 6°33'59 | 22° 8 | 1°14 | 29°42 | 6° 5 | 25°32 | 12°58 | 22°35 | 13°47 | 27°20 | 8°40 | 8°45 | 13°22 | 13°26 | W21 |
| T 22 | 12 22 27 | 7°32'48 | 6♏57 | 0°29 | 0♓ 5 | 6°20 | 25°29 | 13° 5 | 22°35 | 13°45 | 27°21 | 8°30 | 8°42 | 13°28 | 13°21 | T 22 |
| F 23 | 12 26 24 | 8°31'35 | 21°21 | 29♓48 | 0°29 | 6°35 | 25°26 | 13°12 | 22°35 | 13°44 | 27°22 | 8°22 | 8°38 | 13°35 | 13°17 | F 23 |
| S 24 | 12 30 21 | 9°30'20 | 5♐14 | 29° 9 | 0°55 | 6°49 | 25°23 | 13°19 | 22°D35 | 13°42 | 27°24 | 8°17 | 8°35 | 13°42 | 13°12 | S 24 |
| S 25 | 12 34 17 | 10°29'03 | 18°38 | 28°35 | 1°23 | 7° 3 | 25°20 | 13°26 | 22°35 | 13°41 | 27°25 | 8°14 | 8°32 | 13°49 | 13° 7 | S 25 |
| M26 | 12 38 14 | 11°27'45 | 1♑34 | 28° 4 | 1°52 | 7°16 | 25°16 | 13°33 | 22°35 | 13°40 | 27°26 | 8°13 | 8°29 | 13°55 | 13° 3 | M26 |
| T 27 | 12 42 10 | 12°26'25 | 14° 7 | 27°38 | 2°23 | 7°29 | 25°12 | 13°40 | 22°35 | 13°38 | 27°27 | 8°13 | 8°26 | 14° 2 | 12°58 | T 27 |
| W28 | 12 46 7 | 13°25'04 | 26°22 | 27°17 | 2°55 | 7°41 | 25° 8 | 13°47 | 22°35 | 13°37 | 27°29 | 8°13 | 8°23 | 14° 9 | 12°53 | W28 |
| T 29 | 12 50 3 | 14°23'40 | 8♒23 | 27° 2 | 3°29 | 7°53 | 25° 4 | 13°54 | 22°36 | 13°35 | 27°30 | 8°11 | 8°19 | 14°15 | 12°49 | T 29 |
| F 30 | 12 54 0 | 15°22'15 | 20°17 | 26°51 | 4° 4 | 8° 4 | 25° 0 | 14° 1 | 22°36 | 13°34 | 27°31 | 8° 7 | 8°16 | 14°22 | 12°44 | F 30 |
| S 31 | 12 57 56 | 16♈20'48 | 2♓ 6 | 26♓45 | 4♓40 | 8♐14 | 24♏56 | 14♉ 8 | 22♋36 | 13♍33 | 27♈33 | 8♉ 0 | 8♉13 | 14♓29 | 12♎39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s13 | 18s46 | 1n37 | 4n14 | 2n21 | 4s15 | 7n54 | 19s 7 | 1n 3 | 18s17 | 1n 3 | 13n12 | 2s 3 | 22n11 | 0n34 | 7n23 | 1n17 | 4s33 | 16s 2 | 23s 5 | 23s11 | 3s15 | 7s52 | 2s10 |
| F 2 | 4 50 | 14 57 | 2 34 | 4 45 | 2 32 | 4 31 | 7 45 | 19 13 | 1 3 | 18 17 | 1 3 | 13 14 | 2 3 | 22 11 | 0 34 | 7 24 | 1 17 | 4 32 | 16 2 | 23 6 | 23 12 | 3 12 | 7 51 | 2 10 |
| S 3 | 4 27 | 10 35 | 3 24 | 5 11 | 2 43 | 4 47 | 7 35 | 19 18 | 1 2 | 18 17 | 1 3 | 13 16 | 2 3 | 22 11 | 0 34 | 7 25 | 1 17 | 4 32 | 16 2 | 23 6 | 23 12 | 3 9 | 7 49 | 2 9 |
| S 4 | 4 3 | 5 51 | 4 6 | 5 34 | 2 53 | 5 2 | 7 25 | 19 24 | 1 1 | 18 17 | 1 4 | 13 18 | 2 3 | 22 11 | 0 34 | 7 25 | 1 17 | 4 31 | 16 1 | 23 7 | 23 12 | 3 6 | 7 47 | 2 9 |
| M 5 | 3 40 | 0 55 | 4 36 | 5 53 | 3 1 | 5 17 | 7 15 | 19 29 | 1 0 | 18 17 | 1 4 | 13 20 | 2 3 | 22 11 | 0 34 | 7 26 | 1 17 | 4 30 | 16 1 | 23 8 | 23 12 | 3 3 | 7 45 | 2 9 |
| T 6 | 3 16 | 4n 4 | 4 55 | 6 8 | 3 9 | 5 31 | 7 4 | 19 35 | 0 59 | 18 17 | 1 4 | 13 22 | 2 2 | 22 11 | 0 34 | 7 27 | 1 17 | 4 30 | 16 1 | 23 9 | 23 13 | 3 0 | 7 44 | 2 9 |
| W 7 | 2 53 | 8 55 | 5 1 | 6 19 | 3 16 | 5 45 | 6 53 | 19 40 | 0 58 | 18 17 | 1 4 | 13 24 | 2 2 | 22 12 | 0 34 | 7 27 | 1 17 | 4 29 | 16 1 | 23 10 | 23 13 | 2 57 | 7 42 | 2 8 |
| T 8 | 2 29 | 13 28 | 4 53 | 6 25 | 3 21 | 5 59 | 6 42 | 19 45 | 0 57 | 18 17 | 1 4 | 13 27 | 2 2 | 22 12 | 0 34 | 7 28 | 1 17 | 4 29 | 16 0 | 23 11 | 23 13 | 2 55 | 7 40 | 2 8 |
| F 9 | 2 6 | 17 32 | 4 32 | 6 28 | 3 25 | 6 11 | 6 30 | 19 51 | 0 56 | 18 17 | 1 4 | 13 29 | 2 2 | 22 12 | 0 34 | 7 29 | 1 17 | 4 28 | 16 0 | 23 12 | 23 13 | 2 52 | 7 38 | 2 8 |
| S 10 | 1 42 | 20 54 | 3 59 | 6 26 | 3 27 | 6 23 | 6 18 | 19 56 | 0 54 | 18 17 | 1 4 | 13 31 | 2 1 | 22 12 | 0 34 | 7 29 | 1 17 | 4 27 | 16 0 | 23 12 | 23 13 | 2 49 | 7 36 | 2 8 |
| S 11 | 1 18 | 23 21 | 3 13 | 6 19 | 3 27 | 6 34 | 6 7 | 20 1 | 0 53 | 18 16 | 1 4 | 13 33 | 2 1 | 22 12 | 0 34 | 7 30 | 1 17 | 4 27 | 16 0 | 23 13 | 23 14 | 2 46 | 7 34 | 2 8 |
| M12 | 0 55 | 24 40 | 2 17 | 6 9 | 3 26 | 6 45 | 5 55 | 20 6 | 0 52 | 18 16 | 1 4 | 13 35 | 2 1 | 22 12 | 0 34 | 7 30 | 1 17 | 4 26 | 16 0 | 23 13 | 23 14 | 2 43 | 7 33 | 2 7 |
| T 13 | 0 31 | 24 42 | 1 13 | 5 55 | 3 24 | 6 55 | 5 43 | 20 10 | 0 51 | 18 16 | 1 4 | 13 37 | 2 1 | 22 12 | 0 34 | 7 31 | 1 17 | 4 26 | 16 0 | 23 13 | 23 14 | 2 40 | 7 31 | 2 7 |
| W14 | 0 7 | 23 18 | 0 3 | 5 37 | 3 19 | 7 4 | 5 31 | 20 15 | 0 50 | 18 15 | 1 5 | 13 39 | 2 1 | 22 12 | 0 34 | 7 32 | 1 17 | 4 25 | 15 59 | 23 13 | 23 14 | 2 37 | 7 29 | 2 7 |
| T 15 | 0n16 | 20 30 | 1s10 | 5 16 | 3 13 | 7 12 | 5 19 | 20 20 | 0 48 | 18 15 | 1 5 | 13 41 | 2 1 | 22 12 | 0 34 | 7 32 | 1 17 | 4 25 | 15 59 | 23 13 | 23 15 | 2 34 | 7 27 | 2 7 |
| F 16 | 0 40 | 16 23 | 2 20 | 4 52 | 3 5 | 7 20 | 5 7 | 20 24 | 0 47 | 18 14 | 1 5 | 13 43 | 2 0 | 22 12 | 0 34 | 7 33 | 1 17 | 4 24 | 15 59 | 23 13 | 23 15 | 2 31 | 7 25 | 2 6 |
| S 17 | 1 3 | 11 11 | 3 23 | 4 26 | 2 56 | 7 27 | 4 55 | 20 29 | 0 46 | 18 14 | 1 5 | 13 46 | 2 0 | 22 12 | 0 34 | 7 33 | 1 17 | 4 23 | 15 59 | 23 14 | 23 15 | 2 28 | 7 23 | 2 6 |
| S 18 | 1 27 | 5 14 | 4 13 | 3 57 | 2 45 | 7 33 | 4 43 | 20 33 | 0 44 | 18 13 | 1 5 | 13 48 | 2 0 | 22 12 | 0 34 | 7 34 | 1 17 | 4 23 | 15 59 | 23 14 | 23 15 | 2 25 | 7 21 | 2 6 |
| M19 | 1 50 | 1s 6 | 4 47 | 3 27 | 2 33 | 7 38 | 4 31 | 20 38 | 0 43 | 18 12 | 1 5 | 13 50 | 2 0 | 22 12 | 0 34 | 7 35 | 1 17 | 4 22 | 15 59 | 23 15 | 23 15 | 2 22 | 7 19 | 2 5 |
| T 20 | 2 14 | 7 23 | 5 0 | 2 56 | 2 20 | 7 42 | 4 19 | 20 42 | 0 42 | 18 12 | 1 5 | 13 52 | 2 0 | 22 12 | 0 34 | 7 35 | 1 17 | 4 22 | 15 58 | 23 15 | 23 16 | 2 19 | 7 17 | 2 5 |
| W21 | 2 37 | 13 10 | 4 52 | 2 25 | 2 6 | 7 46 | 4 8 | 20 46 | 0 40 | 18 11 | 1 5 | 13 54 | 1 59 | 22 13 | 0 34 | 7 36 | 1 17 | 4 21 | 15 58 | 23 16 | 23 16 | 2 17 | 7 14 | 2 5 |
| T 22 | 3 0 | 18 4 | 4 24 | 1 53 | 1 51 | 7 49 | 3 56 | 20 50 | 0 39 | 18 10 | 1 5 | 13 57 | 1 59 | 22 13 | 0 34 | 7 36 | 1 17 | 4 21 | 15 58 | 23 17 | 23 16 | 2 14 | 7 12 | 2 5 |
| F 23 | 3 24 | 21 44 | 3 41 | 1 22 | 1 35 | 7 51 | 3 45 | 20 54 | 0 37 | 18 9 | 1 5 | 13 59 | 1 59 | 22 13 | 0 34 | 7 37 | 1 17 | 4 20 | 15 58 | 23 17 | 23 16 | 2 11 | 7 10 | 2 4 |
| S 24 | 3 47 | 23 59 | 2 45 | 0 52 | 1 19 | 7 52 | 3 34 | 20 58 | 0 35 | 18 9 | 1 5 | 14 1 | 1 59 | 22 12 | 0 34 | 7 37 | 1 17 | 4 19 | 15 58 | 23 18 | 23 16 | 2 8 | 7 8 | 2 4 |
| S 25 | 4 10 | 24 45 | 1 42 | 0 23 | 1 3 | 7 53 | 3 23 | 21 2 | 0 34 | 18 8 | 1 5 | 14 3 | 1 59 | 22 12 | 0 34 | 7 38 | 1 17 | 4 19 | 15 58 | 23 18 | 23 17 | 2 5 | 7 6 | 2 4 |
| M26 | 4 33 | 24 8 | 0 35 | 0s 4 | 0 46 | 7 52 | 3 12 | 21 6 | 0 32 | 18 7 | 1 5 | 14 6 | 1 59 | 22 12 | 0 34 | 7 39 | 1 17 | 4 18 | 15 58 | 23 18 | 23 17 | 2 2 | 7 4 | 2 3 |
| T 27 | 4 56 | 22 17 | 0n31 | 0 29 | 0 30 | 7 51 | 3 1 | 21 10 | 0 30 | 18 6 | 1 6 | 14 8 | 1 59 | 22 12 | 0 34 | 7 39 | 1 17 | 4 18 | 15 58 | 23 18 | 23 17 | 1 59 | 7 2 | 2 3 |
| W28 | 5 19 | 19 26 | 1 34 | 0 52 | 0 14 | 7 50 | 2 51 | 21 14 | 0 29 | 18 5 | 1 6 | 14 10 | 1 58 | 22 12 | 0 34 | 7 40 | 1 17 | 4 17 | 15 57 | 23 18 | 23 17 | 1 56 | 7 0 | 2 3 |
| T 29 | 5 42 | 15 48 | 2 32 | 1 13 | 0s 2 | 7 47 | 2 40 | 21 17 | 0 27 | 18 4 | 1 6 | 14 12 | 1 58 | 22 12 | 0 34 | 7 40 | 1 17 | 4 17 | 15 57 | 23 18 | 23 17 | 1 53 | 6 57 | 2 2 |
| F 30 | 6 5 | 11 35 | 3 23 | 1 31 | 0 17 | 7 44 | 2 30 | 21 21 | 0 25 | 18 3 | 1 6 | 14 15 | 1 58 | 22 12 | 0 34 | 7 41 | 1 17 | 4 16 | 15 57 | 23 18 | 23 18 | 1 50 | 6 55 | 2 2 |
| S 31 | 6n27 | 6s59 | 4n 4 | 1s47 | 0s32 | 7s40 | 2n20 | 21s24 | 0n23 | 18s 2 | 1n 6 | 14n17 | 1s58 | 22n12 | 0n34 | 7n41 | 1n17 | 4s16 | 15s57 | 23s19 | 23s18 | 1s47 | 6s53 | 2s 2 |

Julian Day Number = 2129101.5, Delta T = 16m49s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°25'57, Lahiri = 11°32'57 Julian Calendar 1 March 1117 == Greg. Calendar 8 March 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## APRIL 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 1 53 | 17♈19'19 | 13♓56 | 26°D45 | 5♓17 | 8♐24 | 24°R51 | 14♉15 | 22♋37 | 13°R31 | 27♈34 | 7°R50 | 8♎10 | 14♓36 | 12°R35 | S 1 |
| M 2 | 13 5 50 | 18°17'49 | 25°49 | 26♓49 | 5°56 | 8°33 | 24♏46 | 14°23 | 22°37 | 13♍30 | 27°36 | 7♎38 | 8° 7 | 14°42 | 12♎30 | M 2 |
| T 3 | 13 9 46 | 19°16'16 | 7♈46 | 26°59 | 6°36 | 8°42 | 24°42 | 14°30 | 22°37 | 13°29 | 27°37 | 7°24 | 8° 4 | 14°49 | 12°25 | T 3 |
| W 4 | 13 13 43 | 20°14'42 | 19°51 | 27°13 | 7°16 | 8°50 | 24°37 | 14°37 | 22°38 | 13°27 | 27°38 | 7°11 | 8° 0 | 14°56 | 12°21 | W 4 |
| T 5 | 13 17 39 | 21°13'06 | 2♉ 3 | 27°32 | 7°58 | 8°57 | 24°31 | 14°45 | 22°39 | 13°26 | 27°40 | 6°58 | 7°57 | 15° 2 | 12°16 | T 5 |
| F 6 | 13 21 36 | 22°11'28 | 14°23 | 27°55 | 8°41 | 9° 4 | 24°26 | 14°52 | 22°39 | 13°25 | 27°41 | 6°47 | 7°54 | 15° 9 | 12°12 | F 6 |
| S 7 | 13 25 32 | 23° 9'48 | 26°53 | 28°23 | 9°25 | 9°10 | 24°21 | 15° 0 | 22°40 | 13°24 | 27°42 | 6°38 | 7°51 | 15°16 | 12° 7 | S 7 |
| S 8 | 13 29 29 | 24° 8'06 | 9♊33 | 28°55 | 10° 9 | 9°15 | 24°15 | 15° 7 | 22°41 | 13°23 | 27°44 | 6°33 | 7°48 | 15°22 | 12° 2 | S 8 |
| M 9 | 13 33 25 | 25° 6'23 | 22°25 | 29°32 | 10°55 | 9°20 | 24° 9 | 15°15 | 22°41 | 13°21 | 27°45 | 6°30 | 7°44 | 15°29 | 11°58 | M 9 |
| T 10 | 13 37 22 | 26° 4'37 | 5♋32 | 0♈11 | 11°41 | 9°24 | 24° 4 | 15°22 | 22°42 | 13°20 | 27°46 | 6°D29 | 7°41 | 15°36 | 11°54 | T 10 |
| W11 | 13 41 18 | 27° 2'49 | 18°56 | 0°55 | 12°29 | 9°27 | 23°58 | 15°30 | 22°43 | 13°19 | 27°48 | 6°30 | 7°38 | 15°43 | 11°49 | W11 |
| T 12 | 13 45 15 | 28° 0'59 | 2♌39 | 1°42 | 13°17 | 9°30 | 23°51 | 15°37 | 22°44 | 13°18 | 27°49 | 6°R30 | 7°35 | 15°49 | 11°45 | T 12 |
| F 13 | 13 49 12 | 28°59'07 | 16°41 | 2°33 | 14° 5 | 9°32 | 23°45 | 15°45 | 22°45 | 13°17 | 27°51 | 6°28 | 7°32 | 15°56 | 11°40 | F 13 |
| S 14 | 13 53 8 | 29°57'13 | 1♍ 4 | 3°27 | 14°55 | 9°33 | 23°39 | 15°52 | 22°46 | 13°16 | 27°52 | 6°25 | 7°29 | 16° 3 | 11°36 | S 14 |
| S 15 | 13 57 5 | 0♉55'16 | 15°45 | 4°24 | 15°45 | 9°R33 | 23°32 | 16° 0 | 22°47 | 13°15 | 27°53 | 6°19 | 7°25 | 16° 9 | 11°32 | S 15 |
| M16 | 14 1 1 | 1°53'18 | 0♎37 | 5°24 | 16°36 | 9°33 | 23°26 | 16° 8 | 22°49 | 13°14 | 27°55 | 6°11 | 7°22 | 16°16 | 11°28 | M16 |
| T 17 | 14 4 58 | 2°51'18 | 15°34 | 6°26 | 17°27 | 9°32 | 23°19 | 16°15 | 22°50 | 13°13 | 27°56 | 6° 2 | 7°19 | 16°23 | 11°24 | T 17 |
| W18 | 14 8 54 | 3°49'16 | 0♏27 | 7°32 | 18°19 | 9°30 | 23°13 | 16°23 | 22°51 | 13°12 | 27°57 | 5°53 | 7°16 | 16°30 | 11°20 | W18 |
| T 19 | 14 12 51 | 4°47'13 | 15° 6 | 8°41 | 19°12 | 9°28 | 23° 6 | 16°31 | 22°52 | 13°11 | 27°59 | 5°44 | 7°13 | 16°36 | 11°16 | T 19 |
| F 20 | 14 16 47 | 5°45'08 | 29°25 | 9°52 | 20° 5 | 9°24 | 22°59 | 16°39 | 22°54 | 13°10 | 28° 0 | 5°38 | 7° 9 | 16°43 | 11°12 | F 20 |
| S 21 | 14 20 44 | 6°43'02 | 13♐18 | 11° 5 | 20°59 | 9°20 | 22°52 | 16°46 | 22°55 | 13°10 | 28° 1 | 5°33 | 7° 6 | 16°50 | 11° 8 | S 21 |
| S 22 | 14 24 41 | 7°40'54 | 26°45 | 12°21 | 21°54 | 9°16 | 22°45 | 16°54 | 22°57 | 13° 9 | 28° 3 | 5°31 | 7° 3 | 16°56 | 11° 4 | S 22 |
| M23 | 14 28 37 | 8°38'46 | 9♑45 | 13°40 | 22°49 | 9°10 | 22°38 | 17° 2 | 22°58 | 13° 8 | 28° 4 | 5°D31 | 7° 0 | 17° 3 | 11° 0 | M23 |
| T 24 | 14 32 34 | 9°36'35 | 22°22 | 15° 1 | 23°44 | 9° 4 | 22°30 | 17°10 | 23° 0 | 13° 7 | 28° 5 | 5°32 | 6°57 | 17°10 | 10°56 | T 24 |
| W25 | 14 36 30 | 10°34'24 | 4♒40 | 16°24 | 24°40 | 8°57 | 22°23 | 17°17 | 23° 1 | 13° 6 | 28° 7 | 5°32 | 6°54 | 17°17 | 10°53 | W25 |
| T 26 | 14 40 27 | 11°32'11 | 16°44 | 17°50 | 25°36 | 8°49 | 22°16 | 17°25 | 23° 3 | 13° 6 | 28° 8 | 5°R32 | 6°50 | 17°23 | 10°49 | T 26 |
| F 27 | 14 44 23 | 12°29'57 | 28°39 | 19°18 | 26°33 | 8°40 | 22° 8 | 17°33 | 23° 5 | 13° 5 | 28° 9 | 5°31 | 6°47 | 17°30 | 10°46 | F 27 |
| S 28 | 14 48 20 | 13°27'42 | 10♓31 | 20°48 | 27°30 | 8°31 | 22° 1 | 17°41 | 23° 6 | 13° 4 | 28°11 | 5°27 | 6°44 | 17°37 | 10°42 | S 28 |
| S 29 | 14 52 16 | 14°25'26 | 22°22 | 22°20 | 28°28 | 8°21 | 21°54 | 17°49 | 23° 8 | 13° 4 | 28°12 | 5°22 | 6°41 | 17°43 | 10°39 | S 29 |
| M30 | 14 56 13 | 15♉23'08 | 4♈18 | 23♈55 | 29♓26 | 8♐10 | 21♏46 | 17♉56 | 23♋10 | 13♍ 3 | 28♈13 | 5♎14 | 6♎38 | 17♓50 | 10♎36 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n50 | 2s 7 | 4n35 | 2s 1 | 0s46 | 7s36 | 2n10 | 21s28 | 0n21 | 18s 0 | 1n 6 | 14n19 | 1s58 | 22n12 | 0n34 | 7n42 | 1n17 | 4s15 | 15s57 | 23s19 | 23s18 | 1s45 | 6s51 | 2s 1 |
| M 2 | 7 12 | 2n49 | 4 54 | 2 11 | 1 0 | 7 31 | 2 1 | 21 31 | 0 19 | 17 59 | 1 6 | 14 21 | 1 58 | 22 12 | 0 34 | 7 42 | 1 17 | 4 14 | 15 57 | 23 20 | 23 18 | 1 42 | 6 49 | 2 1 |
| T 3 | 7 35 | 7 41 | 5 0 | 2 19 | 1 13 | 7 25 | 1 51 | 21 35 | 0 17 | 17 58 | 1 6 | 14 24 | 1 58 | 22 12 | 0 34 | 7 43 | 1 17 | 4 14 | 15 57 | 23 21 | 23 18 | 1 39 | 6 47 | 2 1 |
| W 4 | 7 57 | 12 19 | 4 53 | 2 25 | 1 25 | 7 18 | 1 42 | 21 38 | 0 15 | 17 57 | 1 6 | 14 26 | 1 57 | 22 12 | 0 34 | 7 43 | 1 17 | 4 13 | 15 57 | 23 22 | 23 19 | 1 36 | 6 45 | 2 0 |
| T 5 | 8 19 | 16 30 | 4 32 | 2 28 | 1 37 | 7 11 | 1 33 | 21 41 | 0 13 | 17 56 | 1 6 | 14 28 | 1 57 | 22 12 | 0 34 | 7 44 | 1 17 | 4 13 | 15 57 | 23 22 | 23 19 | 1 33 | 6 42 | 2 0 |
| F 6 | 8 41 | 20 2 | 3 59 | 2 28 | 1 48 | 7 3 | 1 24 | 21 45 | 0 10 | 17 54 | 1 6 | 14 31 | 1 57 | 22 11 | 0 34 | 7 44 | 1 17 | 4 12 | 15 57 | 23 23 | 23 19 | 1 30 | 6 40 | 1 59 |
| S 7 | 9 3 | 22 41 | 3 13 | 2 26 | 1 58 | 6 55 | 1 15 | 21 48 | 0 8 | 17 53 | 1 6 | 14 33 | 1 57 | 22 11 | 0 33 | 7 45 | 1 17 | 4 12 | 15 57 | 23 23 | 23 19 | 1 27 | 6 38 | 1 59 |
| S 8 | 9 24 | 24 15 | 2 18 | 2 22 | 2 7 | 6 46 | 1 7 | 21 51 | 0 6 | 17 51 | 1 6 | 14 35 | 1 57 | 22 11 | 0 33 | 7 45 | 1 17 | 4 11 | 15 57 | 23 23 | 23 19 | 1 24 | 6 36 | 1 59 |
| M 9 | 9 46 | 24 34 | 1 14 | 2 15 | 2 15 | 6 36 | 0 59 | 21 54 | 0 4 | 17 50 | 1 6 | 14 37 | 1 57 | 22 11 | 0 33 | 7 45 | 1 17 | 4 11 | 15 57 | 23 24 | 23 20 | 1 21 | 6 34 | 1 58 |
| T 10 | 10 7 | 23 31 | 0 5 | 2 7 | 2 23 | 6 26 | 0 50 | 21 57 | 0 1 | 17 49 | 1 6 | 14 40 | 1 57 | 22 11 | 0 33 | 7 46 | 1 17 | 4 10 | 15 57 | 23 24 | 23 20 | 1 18 | 6 32 | 1 58 |
| W11 | 10 28 | 21 8 | 1s 6 | 1 55 | 2 30 | 6 15 | 0 43 | 22 0 | 0s 1 | 17 47 | 1 6 | 14 42 | 1 57 | 22 11 | 0 33 | 7 46 | 1 17 | 4 10 | 15 57 | 23 24 | 23 20 | 1 16 | 6 30 | 1 58 |
| T 12 | 10 49 | 17 29 | 2 14 | 1 42 | 2 36 | 6 4 | 0 35 | 22 3 | 0 4 | 17 46 | 1 6 | 14 44 | 1 56 | 22 11 | 0 33 | 7 47 | 1 17 | 4 9 | 15 57 | 23 24 | 23 20 | 1 13 | 6 28 | 1 57 |
| F 13 | 11 10 | 12 47 | 3 16 | 1 27 | 2 42 | 5 52 | 0 27 | 22 5 | 0 6 | 17 44 | 1 6 | 14 47 | 1 56 | 22 10 | 0 33 | 7 47 | 1 17 | 4 9 | 15 57 | 23 24 | 23 20 | 1 10 | 6 26 | 1 57 |
| S 14 | 11 31 | 7 17 | 4 8 | 1 10 | 2 46 | 5 40 | 0 20 | 22 8 | 0 9 | 17 42 | 1 6 | 14 49 | 1 56 | 22 10 | 0 33 | 7 47 | 1 17 | 4 8 | 15 57 | 23 24 | 23 21 | 1 7 | 6 24 | 1 56 |
| S 15 | 11 51 | 1 17 | 4 44 | 0 51 | 2 51 | 5 27 | 0 13 | 22 11 | 0 12 | 17 41 | 1 6 | 14 51 | 1 56 | 22 10 | 0 33 | 7 48 | 1 17 | 4 8 | 15 57 | 23 24 | 23 21 | 1 4 | 6 22 | 1 56 |
| M16 | 12 11 | 4s51 | 5 2 | 0 30 | 2 54 | 5 14 | 0 6 | 22 14 | 0 14 | 17 39 | 1 6 | 14 53 | 1 56 | 22 10 | 0 33 | 7 48 | 1 17 | 4 7 | 15 57 | 23 25 | 23 21 | 1 1 | 6 19 | 1 55 |
| T 17 | 12 31 | 10 45 | 4 59 | 0 8 | 2 57 | 5 0 | 0s 1 | 22 16 | 0 17 | 17 38 | 1 6 | 14 56 | 1 56 | 22 9 | 0 33 | 7 48 | 1 17 | 4 7 | 15 57 | 23 25 | 23 21 | 0 58 | 6 17 | 1 55 |
| W18 | 12 51 | 15 59 | 4 36 | 0n16 | 2 59 | 4 46 | 0 8 | 22 19 | 0 20 | 17 36 | 1 6 | 14 58 | 1 56 | 22 9 | 0 33 | 7 49 | 1 17 | 4 7 | 15 57 | 23 25 | 23 21 | 0 55 | 6 15 | 1 55 |
| T 19 | 13 11 | 20 11 | 3 55 | 0 42 | 3 0 | 4 31 | 0 14 | 22 21 | 0 23 | 17 34 | 1 6 | 15 0 | 1 56 | 22 9 | 0 33 | 7 49 | 1 17 | 4 6 | 15 57 | 23 26 | 23 21 | 0 52 | 6 14 | 1 54 |
| F 20 | 13 30 | 23 3 | 3 0 | 1 10 | 3 0 | 4 16 | 0 21 | 22 24 | 0 26 | 17 33 | 1 6 | 15 3 | 1 56 | 22 9 | 0 33 | 7 49 | 1 17 | 4 6 | 15 57 | 23 26 | 23 22 | 0 50 | 6 12 | 1 54 |
| S 21 | 13 49 | 24 25 | 1 56 | 1 38 | 3 0 | 4 0 | 0 27 | 22 26 | 0 29 | 17 31 | 1 6 | 15 5 | 1 56 | 22 8 | 0 33 | 7 50 | 1 17 | 4 5 | 15 57 | 23 26 | 23 22 | 0 47 | 6 10 | 1 53 |
| S 22 | 14 8 | 24 18 | 0 47 | 2 9 | 3 0 | 3 44 | 0 33 | 22 28 | 0 32 | 17 29 | 1 6 | 15 7 | 1 56 | 22 8 | 0 33 | 7 50 | 1 17 | 4 5 | 15 57 | 23 26 | 23 22 | 0 44 | 6 8 | 1 53 |
| M23 | 14 27 | 22 49 | 0n23 | 2 41 | 2 59 | 3 28 | 0 39 | 22 30 | 0 35 | 17 27 | 1 6 | 15 9 | 1 55 | 22 8 | 0 33 | 7 50 | 1 17 | 4 4 | 15 57 | 23 26 | 23 22 | 0 41 | 6 6 | 1 52 |
| T 24 | 14 46 | 20 13 | 1 29 | 3 14 | 2 57 | 3 11 | 0 44 | 22 33 | 0 38 | 17 25 | 1 6 | 15 12 | 1 55 | 22 8 | 0 33 | 7 51 | 1 17 | 4 4 | 15 57 | 23 26 | 23 22 | 0 38 | 6 4 | 1 52 |
| W25 | 15 4 | 16 46 | 2 30 | 3 48 | 2 54 | 2 53 | 0 50 | 22 35 | 0 41 | 17 24 | 1 6 | 15 14 | 1 55 | 22 7 | 0 33 | 7 51 | 1 17 | 4 4 | 15 57 | 23 26 | 23 22 | 0 35 | 6 2 | 1 52 |
| T 26 | 15 22 | 12 41 | 3 23 | 4 24 | 2 51 | 2 36 | 0 55 | 22 37 | 0 44 | 17 22 | 1 6 | 15 16 | 1 55 | 22 7 | 0 33 | 7 51 | 1 17 | 4 3 | 15 57 | 23 26 | 23 23 | 0 32 | 6 0 | 1 51 |
| F 27 | 15 40 | 8 9 | 4 6 | 5 0 | 2 47 | 2 18 | 1 0 | 22 38 | 0 48 | 17 20 | 1 6 | 15 18 | 1 55 | 22 7 | 0 33 | 7 51 | 1 17 | 4 3 | 15 57 | 23 26 | 23 23 | 0 29 | 5 59 | 1 51 |
| S 28 | 15 57 | 3 22 | 4 38 | 5 38 | 2 43 | 2 0 | 1 5 | 22 40 | 0 51 | 17 18 | 1 6 | 15 21 | 1 55 | 22 6 | 0 33 | 7 52 | 1 17 | 4 2 | 15 57 | 23 26 | 23 23 | 0 26 | 5 57 | 1 50 |
| S 29 | 16 15 | 1n32 | 4 59 | 6 17 | 2 38 | 1 41 | 1 10 | 22 42 | 0 54 | 17 16 | 1 6 | 15 23 | 1 55 | 22 6 | 0 33 | 7 52 | 1 17 | 4 2 | 15 57 | 23 27 | 23 23 | 0 24 | 5 55 | 1 50 |
| M30 | 16n32 | 6n24 | 5n 6 | 6n57 | 2s33 | 1s22 | 1s15 | 22s44 | 0s58 | 17s14 | 1n 6 | 15n25 | 1s55 | 22n 6 | 0n33 | 7n52 | 1n16 | 4s 2 | 15s57 | 23s27 | 23s23 | 0s21 | 5s53 | 1s49 |

Julian Day Number = 2129132.5, Delta T = 16m49s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'01, Lahiri = 11°33'01 Julian Calendar 1 Apr. 1117 == Greg. Calendar 8 Apr. 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## MAY 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 0 10 | 16♉20'49 | 16♈21 | 25♈32 | 0♈25 | 7°R59 | 21°R38 | 18♉ 4 | 23♋12 | 13°R 3 | 28♈15 | 5°R 6 | 6♑35 | 17♓57 | 10°R33 | T 1 |
| W 2 | 15 4 6 | 17°18'29 | 28°34 | 27°11 | 1°24 | 7♐47 | 21♏31 | 18°12 | 23°14 | 13♍ 2 | 28°16 | 4♑57 | 6°31 | 18° 4 | 10♎29 | W 2 |
| T 3 | 15 8 3 | 18°16'08 | 10♉58 | 28°53 | 2°23 | 7°34 | 21°23 | 18°20 | 23°16 | 13° 2 | 28°17 | 4°48 | 6°28 | 18°10 | 10°26 | T 3 |
| F 4 | 15 11 59 | 19°13'46 | 23°33 | 0♉36 | 3°22 | 7°20 | 21°16 | 18°28 | 23°18 | 13° 1 | 28°19 | 4°41 | 6°25 | 18°17 | 10°24 | F 4 |
| S 5 | 15 15 56 | 20°11'23 | 6♊20 | 2°22 | 4°22 | 7° 6 | 21° 8 | 18°35 | 23°20 | 13° 1 | 28°20 | 4°36 | 6°22 | 18°24 | 10°21 | S 5 |
| S 6 | 15 19 52 | 21° 8'58 | 19°20 | 4°10 | 5°22 | 6°51 | 21° 0 | 18°43 | 23°22 | 13° 0 | 28°21 | 4°33 | 6°19 | 18°30 | 10°18 | S 6 |
| M 7 | 15 23 49 | 22° 6'32 | 2♋31 | 6° 0 | 6°23 | 6°36 | 20°53 | 18°51 | 23°24 | 13° 0 | 28°23 | 4°D32 | 6°15 | 18°37 | 10°15 | M 7 |
| T 8 | 15 27 45 | 23° 4'05 | 15°54 | 7°52 | 7°24 | 6°20 | 20°45 | 18°59 | 23°27 | 13° 0 | 28°24 | 4°32 | 6°12 | 18°44 | 10°13 | T 8 |
| W 9 | 15 31 42 | 24° 1'36 | 29°30 | 9°47 | 8°25 | 6° 4 | 20°37 | 19° 7 | 23°29 | 12°59 | 28°25 | 4°34 | 6° 9 | 18°51 | 10°10 | W 9 |
| T 10 | 15 35 39 | 24°59'06 | 13♌19 | 11°43 | 9°26 | 5°47 | 20°30 | 19°14 | 23°31 | 12°59 | 28°26 | 4°35 | 6° 6 | 18°57 | 10° 8 | T 10 |
| F 11 | 15 39 35 | 25°56'34 | 27°20 | 13°42 | 10°28 | 5°29 | 20°22 | 19°22 | 23°33 | 12°59 | 28°28 | 4°R35 | 6° 3 | 19° 4 | 10° 6 | F 11 |
| S 12 | 15 43 32 | 26°54'01 | 11♍33 | 15°42 | 11°30 | 5°12 | 20°15 | 19°30 | 23°36 | 12°59 | 28°29 | 4°34 | 6° 0 | 19°11 | 10° 3 | S 12 |
| S 13 | 15 47 28 | 27°51'26 | 25°56 | 17°45 | 12°32 | 4°53 | 20° 7 | 19°38 | 23°38 | 12°58 | 28°30 | 4°32 | 5°56 | 19°18 | 10° 1 | S 13 |
| M14 | 15 51 25 | 28°48'51 | 10♎26 | 19°49 | 13°35 | 4°35 | 20° 0 | 19°46 | 23°41 | 12°58 | 28°31 | 4°28 | 5°53 | 19°24 | 9°59 | M14 |
| T 15 | 15 55 21 | 29°46'14 | 24°57 | 21°55 | 14°37 | 4°16 | 19°52 | 19°53 | 23°43 | 12°58 | 28°32 | 4°23 | 5°50 | 19°31 | 9°57 | T 15 |
| W16 | 15 59 18 | 0♊43'36 | 9♏24 | 24° 3 | 15°40 | 3°57 | 19°45 | 20° 1 | 23°46 | 12°58 | 28°34 | 4°18 | 5°47 | 19°38 | 9°56 | W16 |
| T 17 | 16 3 14 | 1°40'57 | 23°41 | 26°12 | 16°44 | 3°38 | 19°37 | 20° 9 | 23°48 | 12°58 | 28°35 | 4°14 | 5°44 | 19°44 | 9°54 | T 17 |
| F 18 | 16 7 11 | 2°38'17 | 7♐41 | 28°22 | 17°47 | 3°18 | 19°30 | 20°17 | 23°51 | 12°D58 | 28°36 | 4°10 | 5°41 | 19°51 | 9°52 | F 18 |
| S 19 | 16 11 8 | 3°35'37 | 21°23 | 0♊32 | 18°51 | 2°59 | 19°23 | 20°24 | 23°53 | 12°58 | 28°37 | 4° 8 | 5°37 | 19°58 | 9°51 | S 19 |
| S 20 | 16 15 4 | 4°32'56 | 4♑42 | 2°44 | 19°55 | 2°39 | 19°16 | 20°32 | 23°56 | 12°58 | 28°38 | 4°D 8 | 5°34 | 20° 5 | 9°50 | S 20 |
| M21 | 16 19 1 | 5°30'14 | 17°40 | 4°56 | 20°59 | 2°19 | 19° 9 | 20°40 | 23°59 | 12°58 | 28°39 | 4° 8 | 5°31 | 20°11 | 9°48 | M21 |
| T 22 | 16 22 57 | 6°27'31 | 0♒17 | 7° 8 | 22° 3 | 2° 0 | 19° 2 | 20°47 | 24° 1 | 12°58 | 28°41 | 4°10 | 5°28 | 20°18 | 9°47 | T 22 |
| W23 | 16 26 54 | 7°24'48 | 12°37 | 9°19 | 23° 7 | 1°40 | 18°55 | 20°55 | 24° 4 | 12°58 | 28°42 | 4°11 | 5°25 | 20°25 | 9°46 | W23 |
| T 24 | 16 30 50 | 8°22'04 | 24°44 | 11°31 | 24°12 | 1°20 | 18°48 | 21° 2 | 24° 7 | 12°58 | 28°43 | 4°13 | 5°21 | 20°31 | 9°45 | T 24 |
| F 25 | 16 34 47 | 9°19'20 | 6♓41 | 13°41 | 25°17 | 1° 1 | 18°41 | 21°10 | 24°10 | 12°59 | 28°44 | 4°R13 | 5°18 | 20°38 | 9°44 | F 25 |
| S 26 | 16 38 44 | 10°16'36 | 18°34 | 15°51 | 26°22 | 0°41 | 18°34 | 21°18 | 24°13 | 12°59 | 28°45 | 4°13 | 5°15 | 20°45 | 9°43 | S 26 |
| S 27 | 16 42 40 | 11°13'51 | 0♈28 | 18° 0 | 27°27 | 0°22 | 18°28 | 21°25 | 24°16 | 12°59 | 28°46 | 4°12 | 5°12 | 20°52 | 9°43 | S 27 |
| M28 | 16 46 37 | 12°11'06 | 12°26 | 20° 7 | 28°33 | 0° 3 | 18°21 | 21°33 | 24°19 | 12°59 | 28°47 | 4°10 | 5° 9 | 20°58 | 9°42 | M28 |
| T 29 | 16 50 33 | 13° 8'21 | 24°34 | 22°12 | 29°38 | 29♏45 | 18°15 | 21°40 | 24°22 | 13° 0 | 28°48 | 4° 7 | 5° 6 | 21° 5 | 9°42 | T 29 |
| W30 | 16 54 30 | 14° 5'35 | 6♉53 | 24°16 | 0♉44 | 29°27 | 18° 9 | 21°48 | 24°25 | 13° 0 | 28°49 | 4° 4 | 5° 2 | 21°12 | 9°42 | W30 |
| T 31 | 16 58 26 | 15♊ 2'50 | 19♉26 | 26♊19 | 1♉50 | 29♏ 9 | 18♏ 2 | 21♉55 | 24♋28 | 13♍ 1 | 28♈50 | 4♑ 1 | 4♑59 | 21♓18 | 9♎41 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n48 | 11n 5 | 5n 1 | 7n38 | 2s27 | 1s 3 | 1s19 | 22s45 | 1s 1 | 17s12 | 1n 5 | 15n27 | 1s55 | 22n 5 | 0n33 | 7n52 | 1n16 | 4s 1 | 15s57 | 23s27 | 23s23 | 0s18 | 5s52 | 1s49 |
| W 2 | 17 5 | 15 23 | 4 41 | 8 20 | 2 21 | 0 43 | 1 23 | 22 47 | 1 5 | 17 11 | 1 5 | 15 30 | 1 55 | 22 5 | 0 33 | 7 52 | 1 16 | 4 1 | 15 57 | 23 28 | 23 24 | 0 15 | 5 50 | 1 48 |
| T 3 | 17 21 | 19 7 | 4 8 | 9 2 | 2 14 | 0 23 | 1 28 | 22 48 | 1 8 | 17 9 | 1 5 | 15 32 | 1 55 | 22 5 | 0 33 | 7 52 | 1 16 | 4 0 | 15 57 | 23 28 | 23 24 | 0 12 | 5 48 | 1 48 |
| F 4 | 17 37 | 22 1 | 3 23 | 9 46 | 2 7 | 0 3 | 1 32 | 22 49 | 1 12 | 17 7 | 1 5 | 15 34 | 1 55 | 22 4 | 0 33 | 7 53 | 1 16 | 4 0 | 15 57 | 23 28 | 23 24 | 0 9 | 5 47 | 1 48 |
| S 5 | 17 53 | 23 52 | 2 26 | 10 30 | 1 59 | 0n17 | 1 35 | 22 50 | 1 15 | 17 5 | 1 5 | 15 36 | 1 55 | 22 4 | 0 33 | 7 53 | 1 16 | 4 0 | 15 58 | 23 28 | 23 24 | 0 6 | 5 45 | 1 47 |
| S 6 | 18 8 | 24 28 | 1 21 | 11 14 | 1 51 | 0 38 | 1 39 | 22 51 | 1 19 | 17 3 | 1 5 | 15 38 | 1 55 | 22 4 | 0 33 | 7 53 | 1 16 | 3 59 | 15 58 | 23 29 | 23 24 | 0 4 | 5 44 | 1 47 |
| M 7 | 18 23 | 23 43 | 0 11 | 11 59 | 1 42 | 0 59 | 1 43 | 22 52 | 1 22 | 17 1 | 1 5 | 15 41 | 1 55 | 22 3 | 0 33 | 7 53 | 1 16 | 3 59 | 15 58 | 23 29 | 23 24 | 0 1 | 5 42 | 1 46 |
| T 8 | 18 38 | 21 35 | 1s 1 | 12 44 | 1 33 | 1 20 | 1 46 | 22 53 | 1 26 | 16 59 | 1 5 | 15 43 | 1 55 | 22 3 | 0 33 | 7 53 | 1 16 | 3 59 | 15 58 | 23 29 | 23 24 | 0n 2 | 5 41 | 1 46 |
| W 9 | 18 52 | 18 13 | 2 11 | 13 30 | 1 23 | 1 41 | 1 49 | 22 54 | 1 30 | 16 57 | 1 5 | 15 45 | 1 55 | 22 2 | 0 33 | 7 53 | 1 16 | 3 58 | 15 58 | 23 28 | 23 25 | 0 5 | 5 39 | 1 45 |
| T 10 | 19 6 | 13 48 | 3 15 | 14 15 | 1 13 | 2 2 | 1 52 | 22 54 | 1 33 | 16 55 | 1 5 | 15 47 | 1 55 | 22 2 | 0 33 | 7 53 | 1 16 | 3 58 | 15 58 | 23 28 | 23 25 | 0 8 | 5 38 | 1 45 |
| F 11 | 19 20 | 8 35 | 4 8 | 15 1 | 1 3 | 2 24 | 1 55 | 22 55 | 1 37 | 16 53 | 1 4 | 15 49 | 1 54 | 22 2 | 0 33 | 7 53 | 1 16 | 3 58 | 15 58 | 23 28 | 23 25 | 0 11 | 5 37 | 1 44 |
| S 12 | 19 33 | 2 51 | 4 46 | 15 46 | 0 53 | 2 46 | 1 58 | 22 55 | 1 41 | 16 52 | 1 4 | 15 51 | 1 54 | 22 1 | 0 33 | 7 53 | 1 16 | 3 58 | 15 58 | 23 28 | 23 25 | 0 14 | 5 35 | 1 44 |
| S 13 | 19 47 | 3s 5 | 5 7 | 16 31 | 0 43 | 3 7 | 2 1 | 22 55 | 1 44 | 16 50 | 1 4 | 15 53 | 1 54 | 22 1 | 0 33 | 7 53 | 1 16 | 3 57 | 15 58 | 23 29 | 23 25 | 0 17 | 5 34 | 1 43 |
| M14 | 19 59 | 8 53 | 5 9 | 17 16 | 0 32 | 3 29 | 2 3 | 22 55 | 1 48 | 16 48 | 1 4 | 15 55 | 1 54 | 22 0 | 0 33 | 7 53 | 1 16 | 3 57 | 15 59 | 23 29 | 23 25 | 0 19 | 5 33 | 1 43 |
| T 15 | 20 12 | 14 13 | 4 51 | 18 0 | 0 21 | 3 52 | 2 6 | 22 55 | 1 51 | 16 46 | 1 4 | 15 58 | 1 54 | 22 0 | 0 33 | 7 53 | 1 16 | 3 57 | 15 59 | 23 29 | 23 25 | 0 22 | 5 32 | 1 42 |
| W16 | 20 24 | 18 43 | 4 15 | 18 42 | 0 10 | 4 14 | 2 8 | 22 55 | 1 55 | 16 44 | 1 4 | 16 0 | 1 54 | 21 59 | 0 33 | 7 53 | 1 16 | 3 56 | 15 59 | 23 29 | 23 26 | 0 25 | 5 31 | 1 42 |
| T 17 | 20 36 | 22 3 | 3 23 | 19 24 | 0n 0 | 4 36 | 2 10 | 22 55 | 1 58 | 16 42 | 1 4 | 16 2 | 1 54 | 21 59 | 0 33 | 7 53 | 1 16 | 3 56 | 15 59 | 23 29 | 23 26 | 0 28 | 5 29 | 1 41 |
| F 18 | 20 47 | 23 59 | 2 19 | 20 4 | 0 11 | 4 59 | 2 12 | 22 55 | 2 2 | 16 40 | 1 3 | 16 4 | 1 54 | 21 58 | 0 33 | 7 53 | 1 16 | 3 56 | 15 59 | 23 29 | 23 26 | 0 31 | 5 28 | 1 41 |
| S 19 | 20 58 | 24 25 | 1 9 | 20 43 | 0 21 | 5 21 | 2 14 | 22 54 | 2 5 | 16 39 | 1 3 | 16 6 | 1 54 | 21 58 | 0 33 | 7 53 | 1 16 | 3 56 | 15 59 | 23 29 | 23 26 | 0 34 | 5 27 | 1 40 |
| S 20 | 21 9 | 23 25 | 0n 3 | 21 19 | 0 32 | 5 44 | 2 16 | 22 54 | 2 9 | 16 37 | 1 3 | 16 8 | 1 54 | 21 57 | 0 33 | 7 53 | 1 16 | 3 56 | 16 0 | 23 29 | 23 26 | 0 37 | 5 26 | 1 40 |
| M21 | 21 19 | 21 10 | 1 13 | 21 54 | 0 42 | 6 6 | 2 17 | 22 53 | 2 12 | 16 35 | 1 3 | 16 10 | 1 54 | 21 57 | 0 33 | 7 53 | 1 16 | 3 55 | 16 0 | 23 29 | 23 26 | 0 39 | 5 25 | 1 39 |
| T 22 | 21 29 | 17 56 | 2 18 | 22 27 | 0 51 | 6 29 | 2 19 | 22 52 | 2 16 | 16 33 | 1 3 | 16 12 | 1 54 | 21 57 | 0 33 | 7 53 | 1 16 | 3 55 | 16 0 | 23 29 | 23 26 | 0 42 | 5 25 | 1 39 |
| W23 | 21 39 | 13 58 | 3 16 | 22 57 | 1 0 | 6 52 | 2 20 | 22 52 | 2 19 | 16 31 | 1 3 | 16 14 | 1 54 | 21 56 | 0 33 | 7 53 | 1 16 | 3 55 | 16 0 | 23 29 | 23 27 | 0 45 | 5 24 | 1 38 |
| T 24 | 21 48 | 9 32 | 4 3 | 23 24 | 1 9 | 7 15 | 2 21 | 22 51 | 2 22 | 16 30 | 1 2 | 16 16 | 1 54 | 21 56 | 0 33 | 7 53 | 1 16 | 3 55 | 16 0 | 23 29 | 23 27 | 0 48 | 5 23 | 1 38 |
| F 25 | 21 57 | 4 47 | 4 39 | 23 49 | 1 17 | 7 37 | 2 22 | 22 50 | 2 25 | 16 28 | 1 2 | 16 18 | 1 54 | 21 55 | 0 33 | 7 53 | 1 16 | 3 54 | 16 0 | 23 29 | 23 27 | 0 51 | 5 22 | 1 37 |
| S 26 | 22 6 | 0n 6 | 5 3 | 24 11 | 1 24 | 8 0 | 2 23 | 22 49 | 2 28 | 16 26 | 1 2 | 16 20 | 1 54 | 21 54 | 0 33 | 7 53 | 1 16 | 3 54 | 16 1 | 23 29 | 23 27 | 0 54 | 5 21 | 1 37 |
| S 27 | 22 14 | 4 59 | 5 14 | 24 31 | 1 31 | 8 23 | 2 24 | 22 48 | 2 32 | 16 25 | 1 2 | 16 22 | 1 54 | 21 54 | 0 33 | 7 53 | 1 16 | 3 54 | 16 1 | 23 29 | 23 27 | 0 56 | 5 21 | 1 37 |
| M28 | 22 22 | 9 42 | 5 11 | 24 47 | 1 37 | 8 45 | 2 25 | 22 47 | 2 35 | 16 23 | 1 2 | 16 24 | 1 54 | 21 53 | 0 33 | 7 53 | 1 16 | 3 54 | 16 1 | 23 29 | 23 27 | 0 59 | 5 20 | 1 36 |
| T 29 | 22 29 | 14 7 | 4 55 | 25 1 | 1 42 | 9 8 | 2 25 | 22 45 | 2 38 | 16 22 | 1 2 | 16 26 | 1 54 | 21 53 | 0 32 | 7 52 | 1 16 | 3 54 | 16 1 | 23 29 | 23 27 | 1 2 | 5 19 | 1 36 |
| W30 | 22 36 | 18 2 | 4 24 | 25 12 | 1 47 | 9 31 | 2 26 | 22 44 | 2 40 | 16 20 | 1 1 | 16 28 | 1 54 | 21 52 | 0 32 | 7 52 | 1 16 | 3 54 | 16 1 | 23 29 | 23 27 | 1 5 | 5 19 | 1 35 |
| T 31 | 22n43 | 21n13 | 3n41 | 25n21 | 1n51 | 9n53 | 2s26 | 22s43 | 2s43 | 16s19 | 1n 1 | 16n29 | 1s54 | 21n52 | 0n32 | 7n52 | 1n15 | 3s54 | 16s 2 | 23s30 | 23s28 | 1n 8 | 5s18 | 1s35 |

Julian Day Number = 2129162.5, Delta T = 16m49s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'05, Lahiri = 11°33'06 Julian Calendar 1 May 1117 == Greg. Calendar 8 May 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## JUNE 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 2 23 | 16♊ 0'03 | 2♊16 | 28♊19 | 2♉56 | 28°R51 | 17°R56 | 22♉ 2 | 24♋31 | 13♍ 1 | 28♈51 | 3°R58 | 4♑56 | 21♓25 | 9°D41 | F 1 |
| S 2 | 17 6 19 | 16°57'17 | 15°21 | 0♋17 | 4° 2 | 28♏34 | 17♏51 | 22°10 | 24°34 | 13° 1 | 28°52 | 3♑57 | 4°53 | 21°32 | 9♎41 | S 2 |
| S 3 | 17 10 16 | 17°54'30 | 28°42 | 2°13 | 5° 8 | 28°18 | 17°45 | 22°17 | 24°37 | 13° 2 | 28°53 | 3°D56 | 4°50 | 21°39 | 9°42 | S 3 |
| M 4 | 17 14 13 | 18°51'43 | 12♋18 | 4° 7 | 6°15 | 28° 2 | 17°39 | 22°24 | 24°40 | 13° 2 | 28°54 | 3°56 | 4°47 | 21°45 | 9°42 | M 4 |
| T 5 | 17 18 9 | 19°48'55 | 26° 6 | 5°59 | 7°22 | 27°47 | 17°34 | 22°32 | 24°43 | 13° 3 | 28°55 | 3°57 | 4°43 | 21°52 | 9°42 | T 5 |
| W 6 | 17 22 6 | 20°46'07 | 10♌ 4 | 7°49 | 8°28 | 27°32 | 17°28 | 22°39 | 24°46 | 13° 4 | 28°56 | 3°58 | 4°40 | 21°59 | 9°43 | W 6 |
| T 7 | 17 26 2 | 21°43'19 | 24°10 | 9°37 | 9°35 | 27°18 | 17°23 | 22°46 | 24°50 | 13° 4 | 28°57 | 3°59 | 4°37 | 22° 6 | 9°43 | T 7 |
| F 8 | 17 29 59 | 22°40'30 | 8♍21 | 11°22 | 10°42 | 27° 5 | 17°18 | 22°53 | 24°53 | 13° 5 | 28°58 | 4° 0 | 4°34 | 22°12 | 9°44 | F 8 |
| S 9 | 17 33 55 | 23°37'40 | 22°35 | 13° 5 | 11°49 | 26°53 | 17°13 | 23° 0 | 24°56 | 13° 6 | 28°59 | 4°R 0 | 4°31 | 22°19 | 9°45 | S 9 |
| S 10 | 17 37 52 | 24°34'50 | 6♎49 | 14°46 | 12°57 | 26°41 | 17° 8 | 23° 7 | 24°59 | 13° 6 | 28°59 | 4° 0 | 4°27 | 22°26 | 9°46 | S 10 |
| M11 | 17 41 48 | 25°31'59 | 21° 1 | 16°25 | 14° 4 | 26°30 | 17° 4 | 23°15 | 25° 3 | 13° 7 | 29° 0 | 3°59 | 4°24 | 22°32 | 9°47 | M11 |
| T 12 | 17 45 45 | 26°29'08 | 5♏ 8 | 18° 2 | 15°11 | 26°19 | 16°59 | 23°22 | 25° 6 | 13° 8 | 29° 1 | 3°58 | 4°21 | 22°39 | 9°48 | T 12 |
| W13 | 17 49 42 | 27°26'17 | 19° 8 | 19°36 | 16°19 | 26°10 | 16°55 | 23°28 | 25° 9 | 13° 9 | 29° 2 | 3°57 | 4°18 | 22°46 | 9°49 | W13 |
| T 14 | 17 53 38 | 28°23'26 | 2♐56 | 21° 8 | 17°27 | 26° 1 | 16°51 | 23°35 | 25°13 | 13° 9 | 29° 3 | 3°57 | 4°15 | 22°53 | 9°50 | T 14 |
| F 15 | 17 57 35 | 29°20'35 | 16°32 | 22°38 | 18°35 | 25°53 | 16°47 | 23°42 | 25°16 | 13°10 | 29° 3 | 3°56 | 4°12 | 22°59 | 9°52 | F 15 |
| S 16 | 18 1 31 | 0♋17'43 | 29°52 | 24° 6 | 19°43 | 25°46 | 16°43 | 23°49 | 25°20 | 13°11 | 29° 4 | 3°D56 | 4° 8 | 23° 6 | 9°53 | S 16 |
| S 17 | 18 5 28 | 1°14'52 | 12♑56 | 25°31 | 20°51 | 25°39 | 16°39 | 23°56 | 25°23 | 13°12 | 29° 5 | 3°56 | 4° 5 | 23°13 | 9°55 | S 17 |
| M18 | 18 9 24 | 2°12'01 | 25°44 | 26°54 | 21°59 | 25°34 | 16°35 | 24° 3 | 25°27 | 13°13 | 29° 6 | 3°56 | 4° 2 | 23°19 | 9°57 | M18 |
| T 19 | 18 13 21 | 3° 9'10 | 8♒15 | 28°15 | 23° 7 | 25°29 | 16°32 | 24° 9 | 25°30 | 13°14 | 29° 6 | 3°57 | 3°59 | 23°26 | 9°59 | T 19 |
| W20 | 18 17 17 | 4° 6'19 | 20°33 | 29°33 | 24°16 | 25°25 | 16°29 | 24°16 | 25°33 | 13°15 | 29° 7 | 3°R57 | 3°56 | 23°33 | 10° 1 | W20 |
| T 21 | 18 21 14 | 5° 3'29 | 2♓39 | 0♌49 | 25°24 | 25°22 | 16°26 | 24°23 | 25°37 | 13°16 | 29° 8 | 3°56 | 3°53 | 23°40 | 10° 3 | T 21 |
| F 22 | 18 25 11 | 6° 0'39 | 14°37 | 2° 2 | 26°33 | 25°20 | 16°23 | 24°29 | 25°40 | 13°17 | 29° 8 | 3°56 | 3°49 | 23°46 | 10° 5 | F 22 |
| S 23 | 18 29 7 | 6°57'50 | 26°30 | 3°13 | 27°42 | 25°19 | 16°20 | 24°36 | 25°44 | 13°18 | 29° 9 | 3°56 | 3°46 | 23°53 | 10° 7 | S 23 |
| S 24 | 18 33 4 | 7°55'01 | 8♈24 | 4°21 | 28°50 | 25°D18 | 16°18 | 24°42 | 25°48 | 13°19 | 29°10 | 3°D56 | 3°43 | 24° 0 | 10°10 | S 24 |
| M25 | 18 37 0 | 8°52'13 | 20°23 | 5°26 | 29°59 | 25°18 | 16°16 | 24°48 | 25°51 | 13°21 | 29°10 | 3°56 | 3°40 | 24° 7 | 10°12 | M25 |
| T 26 | 18 40 57 | 9°49'26 | 2♉31 | 6°29 | 1♊ 8 | 25°20 | 16°13 | 24°55 | 25°55 | 13°22 | 29°11 | 3°57 | 3°37 | 24°13 | 10°15 | T 26 |
| W27 | 18 44 53 | 10°46'39 | 14°52 | 7°28 | 2°18 | 25°21 | 16°12 | 25° 1 | 25°58 | 13°23 | 29°11 | 3°57 | 3°33 | 24°20 | 10°18 | W27 |
| T 28 | 18 48 50 | 11°43'53 | 27°31 | 8°25 | 3°27 | 25°24 | 16°10 | 25° 7 | 26° 2 | 13°24 | 29°12 | 3°58 | 3°30 | 24°27 | 10°21 | T 28 |
| F 29 | 18 52 46 | 12°41'08 | 10♊29 | 9°18 | 4°36 | 25°28 | 16° 8 | 25°13 | 26° 6 | 13°25 | 29°12 | 3°59 | 3°27 | 24°33 | 10°24 | F 29 |
| S 30 | 18 56 43 | 13♋38'23 | 23♊48 | 10♌ 8 | 5♊46 | 25♏32 | 16♏ 7 | 25♉20 | 26♋ 9 | 13♍27 | 29♈13 | 3♑59 | 3♑24 | 24♓40 | 10♎27 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n49 | 23n25 | 2n46 | 25n26 | 1n54 | 10n15 | 2s26 | 22s42 | 2s46 | 16s17 | 1n 1 | 16n31 | 1s54 | 21n51 | 0n32 | 7n52 | 1n15 | 3s53 | 16s 2 | 23s30 | 23s28 | 1n11 | 5s18 | 1s34 |
| S 2 | 22 55 | 24 25 | 1 41 | 25 29 | 1 56 | 10 38 | 2 26 | 22 40 | 2 49 | 16 16 | 1 1 | 16 33 | 1 54 | 21 51 | 0 32 | 7 52 | 1 15 | 3 53 | 16 2 | 23 30 | 23 28 | 1 14 | 5 17 | 1 34 |
| S 3 | 23 0 | 24 2 | 0 29 | 25 30 | 1 58 | 11 0 | 2 26 | 22 39 | 2 51 | 16 14 | 1 1 | 16 35 | 1 55 | 21 50 | 0 32 | 7 51 | 1 15 | 3 53 | 16 2 | 23 30 | 23 28 | 1 16 | 5 17 | 1 33 |
| M 4 | 23 5 | 22 13 | 0s46 | 25 28 | 1 59 | 11 22 | 2 26 | 22 38 | 2 54 | 16 13 | 1 0 | 16 37 | 1 55 | 21 50 | 0 32 | 7 51 | 1 15 | 3 53 | 16 3 | 23 30 | 23 28 | 1 19 | 5 17 | 1 33 |
| T 5 | 23 10 | 19 5 | 1 59 | 25 24 | 1 59 | 11 44 | 2 26 | 22 37 | 2 56 | 16 11 | 1 0 | 16 39 | 1 55 | 21 49 | 0 32 | 7 51 | 1 15 | 3 53 | 16 3 | 23 30 | 23 28 | 1 22 | 5 16 | 1 32 |
| W 6 | 23 14 | 14 49 | 3 7 | 25 18 | 1 59 | 12 6 | 2 26 | 22 36 | 2 58 | 16 10 | 1 0 | 16 40 | 1 55 | 21 48 | 0 32 | 7 51 | 1 15 | 3 53 | 16 3 | 23 30 | 23 28 | 1 25 | 5 16 | 1 32 |
| T 7 | 23 18 | 9 42 | 4 3 | 25 9 | 1 57 | 12 27 | 2 25 | 22 35 | 3 0 | 16 9 | 1 0 | 16 42 | 1 55 | 21 48 | 0 32 | 7 50 | 1 15 | 3 53 | 16 3 | 23 30 | 23 28 | 1 28 | 5 16 | 1 31 |
| F 8 | 23 21 | 4 4 | 4 45 | 24 59 | 1 56 | 12 49 | 2 25 | 22 34 | 3 3 | 16 8 | 0 59 | 16 44 | 1 55 | 21 47 | 0 32 | 7 50 | 1 15 | 3 53 | 16 4 | 23 30 | 23 28 | 1 31 | 5 16 | 1 31 |
| S 9 | 23 24 | 1s47 | 5 10 | 24 47 | 1 53 | 13 10 | 2 24 | 22 33 | 3 5 | 16 6 | 0 59 | 16 46 | 1 55 | 21 47 | 0 32 | 7 50 | 1 15 | 3 53 | 16 4 | 23 30 | 23 29 | 1 33 | 5 16 | 1 30 |
| S 10 | 23 27 | 7 33 | 5 16 | 24 33 | 1 50 | 13 31 | 2 23 | 22 32 | 3 7 | 16 5 | 0 59 | 16 47 | 1 55 | 21 46 | 0 32 | 7 50 | 1 15 | 3 53 | 16 4 | 23 30 | 23 29 | 1 36 | 5 16 | 1 30 |
| M11 | 23 29 | 12 54 | 5 3 | 24 18 | 1 46 | 13 52 | 2 23 | 22 31 | 3 8 | 16 4 | 0 59 | 16 49 | 1 55 | 21 45 | 0 32 | 7 49 | 1 15 | 3 53 | 16 4 | 23 30 | 23 29 | 1 39 | 5 15 | 1 29 |
| T 12 | 23 30 | 17 33 | 4 31 | 24 1 | 1 42 | 14 13 | 2 22 | 22 30 | 3 10 | 16 3 | 0 59 | 16 51 | 1 55 | 21 45 | 0 32 | 7 49 | 1 15 | 3 52 | 16 5 | 23 30 | 23 29 | 1 42 | 5 16 | 1 29 |
| W13 | 23 32 | 21 10 | 3 43 | 23 43 | 1 37 | 14 33 | 2 21 | 22 30 | 3 12 | 16 2 | 0 58 | 16 53 | 1 55 | 21 44 | 0 32 | 7 49 | 1 15 | 3 52 | 16 5 | 23 30 | 23 29 | 1 45 | 5 16 | 1 28 |
| T 14 | 23 33 | 23 31 | 2 43 | 23 24 | 1 32 | 14 53 | 2 20 | 22 29 | 3 14 | 16 1 | 0 58 | 16 54 | 1 55 | 21 43 | 0 32 | 7 48 | 1 15 | 3 52 | 16 5 | 23 30 | 23 29 | 1 47 | 5 16 | 1 28 |
| F 15 | 23 33 | 24 27 | 1 35 | 23 3 | 1 26 | 15 13 | 2 18 | 22 29 | 3 15 | 16 0 | 0 58 | 16 56 | 1 55 | 21 43 | 0 32 | 7 48 | 1 15 | 3 52 | 16 5 | 23 30 | 23 29 | 1 50 | 5 16 | 1 27 |
| S 16 | 23 33 | 23 56 | 0 23 | 22 42 | 1 19 | 15 33 | 2 17 | 22 28 | 3 17 | 15 59 | 0 58 | 16 57 | 1 55 | 21 42 | 0 32 | 7 47 | 1 15 | 3 52 | 16 6 | 23 30 | 23 29 | 1 53 | 5 16 | 1 27 |
| S 17 | 23 33 | 22 6 | 0n50 | 22 19 | 1 12 | 15 52 | 2 16 | 22 28 | 3 18 | 15 59 | 0 57 | 16 59 | 1 55 | 21 42 | 0 32 | 7 47 | 1 15 | 3 52 | 16 6 | 23 30 | 23 29 | 1 56 | 5 16 | 1 26 |
| M18 | 23 32 | 19 10 | 1 58 | 21 56 | 1 4 | 16 11 | 2 14 | 22 28 | 3 19 | 15 58 | 0 57 | 17 1 | 1 55 | 21 41 | 0 32 | 7 47 | 1 15 | 3 52 | 16 6 | 23 30 | 23 30 | 1 59 | 5 17 | 1 26 |
| T 19 | 23 31 | 15 24 | 2 59 | 21 32 | 0 56 | 16 30 | 2 13 | 22 28 | 3 21 | 15 57 | 0 57 | 17 2 | 1 55 | 21 40 | 0 32 | 7 46 | 1 15 | 3 52 | 16 6 | 23 30 | 23 30 | 2 1 | 5 17 | 1 26 |
| W20 | 23 29 | 11 4 | 3 51 | 21 7 | 0 48 | 16 48 | 2 11 | 22 28 | 3 22 | 15 56 | 0 57 | 17 4 | 1 55 | 21 40 | 0 32 | 7 46 | 1 15 | 3 52 | 16 7 | 23 30 | 23 30 | 2 4 | 5 17 | 1 25 |
| T 21 | 23 27 | 6 22 | 4 31 | 20 42 | 0 39 | 17 6 | 2 10 | 22 29 | 3 23 | 15 56 | 0 56 | 17 5 | 1 55 | 21 39 | 0 32 | 7 45 | 1 15 | 3 53 | 16 7 | 23 30 | 23 30 | 2 7 | 5 18 | 1 25 |
| F 22 | 23 25 | 1 29 | 4 59 | 20 17 | 0 29 | 17 24 | 2 8 | 22 29 | 3 24 | 15 55 | 0 56 | 17 7 | 1 56 | 21 38 | 0 32 | 7 45 | 1 15 | 3 53 | 16 7 | 23 30 | 23 30 | 2 10 | 5 18 | 1 24 |
| S 23 | 23 22 | 3n24 | 5 14 | 19 51 | 0 19 | 17 41 | 2 6 | 22 30 | 3 25 | 15 55 | 0 56 | 17 8 | 1 56 | 21 38 | 0 32 | 7 44 | 1 15 | 3 53 | 16 8 | 23 30 | 23 30 | 2 13 | 5 19 | 1 24 |
| S 24 | 23 19 | 8 11 | 5 16 | 19 25 | 0 9 | 17 59 | 2 4 | 22 30 | 3 26 | 15 54 | 0 56 | 17 10 | 1 56 | 21 37 | 0 32 | 7 44 | 1 15 | 3 53 | 16 8 | 23 30 | 23 30 | 2 16 | 5 19 | 1 23 |
| M25 | 23 15 | 12 41 | 5 4 | 18 58 | 0s 2 | 18 15 | 2 2 | 22 31 | 3 26 | 15 54 | 0 55 | 17 11 | 1 56 | 21 36 | 0 32 | 7 44 | 1 15 | 3 53 | 16 8 | 23 30 | 23 30 | 2 18 | 5 20 | 1 23 |
| T 26 | 23 11 | 16 45 | 4 38 | 18 32 | 0 13 | 18 31 | 2 0 | 22 32 | 3 27 | 15 53 | 0 55 | 17 13 | 1 56 | 21 36 | 0 32 | 7 43 | 1 15 | 3 53 | 16 8 | 23 30 | 23 30 | 2 21 | 5 20 | 1 22 |
| W27 | 23 7 | 20 11 | 4 0 | 18 6 | 0 24 | 18 47 | 1 58 | 22 33 | 3 28 | 15 53 | 0 55 | 17 14 | 1 56 | 21 35 | 0 32 | 7 43 | 1 15 | 3 53 | 16 9 | 23 30 | 23 30 | 2 24 | 5 21 | 1 22 |
| T 28 | 23 2 | 22 45 | 3 8 | 17 40 | 0 36 | 19 3 | 1 56 | 22 35 | 3 29 | 15 53 | 0 55 | 17 16 | 1 56 | 21 34 | 0 32 | 7 42 | 1 15 | 3 53 | 16 9 | 23 30 | 23 30 | 2 27 | 5 22 | 1 21 |
| F 29 | 22 57 | 24 13 | 2 6 | 17 14 | 0 48 | 19 18 | 1 54 | 22 36 | 3 29 | 15 53 | 0 54 | 17 17 | 1 56 | 21 34 | 0 32 | 7 42 | 1 15 | 3 53 | 16 9 | 23 30 | 23 31 | 2 29 | 5 22 | 1 21 |
| S 30 | 22n51 | 24n20 | 0n56 | 16n49 | 1s 0 | 19n32 | 1s52 | 22s38 | 3s30 | 15s52 | 0n54 | 17n18 | 1s56 | 21n33 | 0n32 | 7n41 | 1n15 | 3s53 | 16s10 | 23s30 | 23s31 | 2n32 | 5s23 | 1s21 |

Julian Day Number = 2129193.5, Delta T = 16m48s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'09, Lahiri = 11°33'10 Julian Calendar 1 June 1117 == Greg. Calendar 8 June 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## JULY 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 0 40 | 14♋35'39 | 7♋29 | 10♌55 | 6♊55 | 25♏38 | 16°R 5 | 25♉26 | 26♋13 | 13♍28 | 29♈13 | 3°R59 | 3♑21 | 24♓47 | 10♎30 | S 1 |
| M 2 | 19 4 36 | 15°32'56 | 21°28 | 11°39 | 8° 5 | 25°44 | 16♏ 4 | 25°32 | 26°16 | 13°29 | 29°14 | 3♑59 | 3°18 | 24°54 | 10°33 | M 2 |
| T 3 | 19 8 33 | 16°30'13 | 5♌43 | 12°18 | 9°14 | 25°50 | 16° 4 | 25°38 | 26°20 | 13°31 | 29°14 | 3°58 | 3°14 | 25° 0 | 10°36 | T 3 |
| W 4 | 19 12 29 | 17°27'31 | 20° 8 | 12°54 | 10°24 | 25°58 | 16° 3 | 25°43 | 26°24 | 13°32 | 29°15 | 3°56 | 3°11 | 25° 7 | 10°40 | W 4 |
| T 5 | 19 16 26 | 18°24'49 | 4♍39 | 13°26 | 11°34 | 26° 6 | 16° 2 | 25°49 | 26°27 | 13°34 | 29°15 | 3°55 | 3° 8 | 25°14 | 10°43 | T 5 |
| F 6 | 19 20 22 | 19°22'08 | 19° 9 | 13°53 | 12°44 | 26°16 | 16° 2 | 25°55 | 26°31 | 13°35 | 29°15 | 3°53 | 3° 5 | 25°20 | 10°47 | F 6 |
| S 7 | 19 24 19 | 20°19'26 | 3♎34 | 14°17 | 13°54 | 26°26 | 16°D 2 | 26° 1 | 26°35 | 13°37 | 29°16 | 3°52 | 3° 2 | 25°27 | 10°51 | S 7 |
| S 8 | 19 28 15 | 21°16'46 | 17°50 | 14°35 | 15° 4 | 26°36 | 16° 2 | 26° 6 | 26°38 | 13°38 | 29°16 | 3°D51 | 2°59 | 25°34 | 10°55 | S 8 |
| M 9 | 19 32 12 | 22°14'06 | 1♏55 | 14°50 | 16°14 | 26°48 | 16° 2 | 26°12 | 26°42 | 13°40 | 29°16 | 3°51 | 2°55 | 25°41 | 10°59 | M 9 |
| T 10 | 19 36 9 | 23°11'26 | 15°46 | 14°59 | 17°24 | 27° 0 | 16° 3 | 26°17 | 26°46 | 13°41 | 29°17 | 3°52 | 2°52 | 25°47 | 11° 3 | T 10 |
| W11 | 19 40 5 | 24° 8'48 | 29°23 | 15°R 3 | 18°35 | 27°13 | 16° 3 | 26°22 | 26°50 | 13°43 | 29°17 | 3°54 | 2°49 | 25°54 | 11° 7 | W11 |
| T 12 | 19 44 2 | 25° 6'09 | 12♐47 | 15° 2 | 19°45 | 27°26 | 16° 4 | 26°28 | 26°53 | 13°44 | 29°17 | 3°55 | 2°46 | 26° 1 | 11°11 | T 12 |
| F 13 | 19 47 58 | 26° 3'32 | 25°58 | 14°56 | 20°56 | 27°41 | 16° 5 | 26°33 | 26°57 | 13°46 | 29°17 | 3°56 | 2°43 | 26° 8 | 11°15 | F 13 |
| S 14 | 19 51 55 | 27° 0'55 | 8♑55 | 14°45 | 22° 6 | 27°55 | 16° 6 | 26°38 | 27° 1 | 13°48 | 29°18 | 3°R56 | 2°39 | 26°14 | 11°20 | S 14 |
| S 15 | 19 55 51 | 27°58'20 | 21°40 | 14°28 | 23°17 | 28°11 | 16° 8 | 26°43 | 27° 4 | 13°49 | 29°18 | 3°55 | 2°36 | 26°21 | 11°24 | S 15 |
| M16 | 19 59 48 | 28°55'45 | 4♒12 | 14° 7 | 24°28 | 28°27 | 16° 9 | 26°48 | 27° 8 | 13°51 | 29°18 | 3°53 | 2°33 | 26°28 | 11°29 | M16 |
| T 17 | 20 3 45 | 29°53'11 | 16°34 | 13°40 | 25°38 | 28°44 | 16°11 | 26°53 | 27°12 | 13°53 | 29°18 | 3°49 | 2°30 | 26°34 | 11°34 | T 17 |
| W18 | 20 7 41 | 0♌50'38 | 28°45 | 13° 9 | 26°49 | 29° 1 | 16°13 | 26°58 | 27°15 | 13°54 | 29°18 | 3°45 | 2°27 | 26°41 | 11°38 | W18 |
| T 19 | 20 11 38 | 1°48'07 | 10♓47 | 12°33 | 28° 0 | 29°19 | 16°15 | 27° 3 | 27°19 | 13°56 | 29°18 | 3°40 | 2°24 | 26°48 | 11°43 | T 19 |
| F 20 | 20 15 34 | 2°45'36 | 22°43 | 11°53 | 29°11 | 29°38 | 16°17 | 27° 7 | 27°23 | 13°58 | 29°18 | 3°36 | 2°20 | 26°55 | 11°48 | F 20 |
| S 21 | 20 19 31 | 3°43'07 | 4♈36 | 11°10 | 0♋22 | 29°57 | 16°19 | 27°12 | 27°27 | 14° 0 | 29°18 | 3°32 | 2°17 | 27° 1 | 11°53 | S 21 |
| S 22 | 20 23 27 | 4°40'40 | 16°29 | 10°24 | 1°34 | 0♐17 | 16°22 | 27°17 | 27°30 | 14° 1 | 29°19 | 3°29 | 2°14 | 27° 8 | 11°58 | S 22 |
| M23 | 20 27 24 | 5°38'14 | 28°26 | 9°36 | 2°45 | 0°37 | 16°25 | 27°21 | 27°34 | 14° 3 | 29°19 | 3°27 | 2°11 | 27°15 | 12° 3 | M23 |
| T 24 | 20 31 20 | 6°35'49 | 10♉31 | 8°47 | 3°56 | 0°58 | 16°28 | 27°25 | 27°38 | 14° 5 | 29°R19 | 3°D27 | 2° 8 | 27°21 | 12° 9 | T 24 |
| W25 | 20 35 17 | 7°33'26 | 22°51 | 7°57 | 5° 8 | 1°20 | 16°31 | 27°30 | 27°41 | 14° 7 | 29°19 | 3°28 | 2° 5 | 27°28 | 12°14 | W25 |
| T 26 | 20 39 14 | 8°31'05 | 5♊28 | 7° 8 | 6°19 | 1°42 | 16°34 | 27°34 | 27°45 | 14° 9 | 29°19 | 3°30 | 2° 1 | 27°35 | 12°19 | T 26 |
| F 27 | 20 43 10 | 9°28'45 | 18°28 | 6°21 | 7°31 | 2° 4 | 16°37 | 27°38 | 27°49 | 14°11 | 29°18 | 3°31 | 1°58 | 27°42 | 12°25 | F 27 |
| S 28 | 20 47 7 | 10°26'26 | 1♋52 | 5°36 | 8°42 | 2°27 | 16°41 | 27°42 | 27°52 | 14°13 | 29°18 | 3°R32 | 1°55 | 27°48 | 12°31 | S 28 |
| S 29 | 20 51 3 | 11°24'10 | 15°43 | 4°55 | 9°54 | 2°51 | 16°45 | 27°46 | 27°56 | 14°15 | 29°18 | 3°31 | 1°52 | 27°55 | 12°36 | S 29 |
| M30 | 20 55 0 | 12°21'55 | 29°58 | 4°18 | 11° 6 | 3°15 | 16°49 | 27°50 | 27°59 | 14°17 | 29°18 | 3°29 | 1°49 | 28° 2 | 12°42 | M30 |
| T 31 | 20 58 56 | 13♌19'41 | 14♌34 | 3♌46 | 12♋18 | 3♐39 | 16♏53 | 27♉54 | 28♋ 3 | 14♍18 | 29♈18 | 3♑25 | 1♑45 | 28♓ 9 | 12♎48 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n45 | 23n 1 | 0s19 | 16n24 | 1s13 | 19n46 | 1s49 | 22s39 | 3s30 | 15s52 | 0n54 | 17n20 | 1s56 | 21n32 | 0n32 | 7n40 | 1n15 | 3s53 | 16s10 | 23s30 | 23s31 | 2n35 | 5s24 | 1s20 |
| M 2 | 22 39 | 20 16 | 1 35 | 16 0 | 1 26 | 20 0 | 1 47 | 22 41 | 3 31 | 15 52 | 0 54 | 17 21 | 1 56 | 21 32 | 0 32 | 7 40 | 1 15 | 3 54 | 16 10 | 23 30 | 23 31 | 2 38 | 5 25 | 1 20 |
| T 3 | 22 32 | 16 15 | 2 47 | 15 36 | 1 39 | 20 13 | 1 45 | 22 43 | 3 31 | 15 52 | 0 53 | 17 22 | 1 57 | 21 31 | 0 32 | 7 39 | 1 14 | 3 54 | 16 10 | 23 30 | 23 31 | 2 41 | 5 26 | 1 19 |
| W 4 | 22 24 | 11 14 | 3 48 | 15 14 | 1 52 | 20 26 | 1 42 | 22 45 | 3 31 | 15 52 | 0 53 | 17 24 | 1 57 | 21 30 | 0 32 | 7 39 | 1 14 | 3 54 | 16 11 | 23 30 | 23 31 | 2 43 | 5 27 | 1 19 |
| T 5 | 22 17 | 5 35 | 4 35 | 14 52 | 2 5 | 20 38 | 1 40 | 22 48 | 3 31 | 15 52 | 0 53 | 17 25 | 1 57 | 21 29 | 0 32 | 7 38 | 1 14 | 3 54 | 16 11 | 23 30 | 23 31 | 2 46 | 5 28 | 1 18 |
| F 6 | 22 9 | 0s22 | 5 5 | 14 31 | 2 19 | 20 50 | 1 37 | 22 50 | 3 32 | 15 53 | 0 53 | 17 26 | 1 57 | 21 29 | 0 32 | 7 38 | 1 14 | 3 54 | 16 11 | 23 30 | 23 31 | 2 49 | 5 29 | 1 18 |
| S 7 | 22 0 | 6 15 | 5 15 | 14 12 | 2 32 | 21 1 | 1 34 | 22 53 | 3 32 | 15 53 | 0 52 | 17 27 | 1 57 | 21 28 | 0 32 | 7 37 | 1 14 | 3 54 | 16 12 | 23 30 | 23 31 | 2 52 | 5 30 | 1 17 |
| S 8 | 21 52 | 11 44 | 5 6 | 13 54 | 2 45 | 21 12 | 1 32 | 22 55 | 3 32 | 15 53 | 0 52 | 17 29 | 1 57 | 21 27 | 0 32 | 7 36 | 1 14 | 3 54 | 16 12 | 23 30 | 23 31 | 2 55 | 5 31 | 1 17 |
| M 9 | 21 43 | 16 33 | 4 39 | 13 37 | 2 58 | 21 22 | 1 29 | 22 58 | 3 32 | 15 53 | 0 52 | 17 30 | 1 57 | 21 27 | 0 32 | 7 36 | 1 14 | 3 55 | 16 12 | 23 30 | 23 31 | 2 57 | 5 32 | 1 17 |
| T 10 | 21 33 | 20 23 | 3 55 | 13 22 | 3 11 | 21 31 | 1 26 | 23 1 | 3 32 | 15 54 | 0 52 | 17 31 | 1 57 | 21 26 | 0 32 | 7 35 | 1 14 | 3 55 | 16 13 | 23 30 | 23 31 | 3 0 | 5 33 | 1 16 |
| W11 | 21 23 | 23 2 | 2 59 | 13 9 | 3 24 | 21 40 | 1 24 | 23 4 | 3 32 | 15 54 | 0 51 | 17 32 | 1 57 | 21 25 | 0 32 | 7 35 | 1 14 | 3 55 | 16 13 | 23 30 | 23 31 | 3 3 | 5 35 | 1 16 |
| T 12 | 21 13 | 24 19 | 1 54 | 12 57 | 3 36 | 21 49 | 1 21 | 23 7 | 3 32 | 15 55 | 0 51 | 17 33 | 1 58 | 21 25 | 0 32 | 7 34 | 1 14 | 3 55 | 16 13 | 23 30 | 23 31 | 3 6 | 5 36 | 1 15 |
| F 13 | 21 2 | 24 13 | 0 44 | 12 48 | 3 48 | 21 57 | 1 18 | 23 10 | 3 32 | 15 55 | 0 51 | 17 34 | 1 58 | 21 24 | 0 32 | 7 33 | 1 14 | 3 55 | 16 14 | 23 30 | 23 32 | 3 8 | 5 37 | 1 15 |
| S 14 | 20 51 | 22 48 | 0n27 | 12 41 | 3 59 | 22 4 | 1 15 | 23 14 | 3 32 | 15 56 | 0 51 | 17 35 | 1 58 | 21 23 | 0 32 | 7 33 | 1 14 | 3 56 | 16 14 | 23 30 | 23 32 | 3 11 | 5 39 | 1 14 |
| S 15 | 20 40 | 20 13 | 1 36 | 12 35 | 4 9 | 22 11 | 1 12 | 23 17 | 3 32 | 15 56 | 0 50 | 17 36 | 1 58 | 21 22 | 0 32 | 7 32 | 1 14 | 3 56 | 16 14 | 23 30 | 23 32 | 3 14 | 5 40 | 1 14 |
| M16 | 20 28 | 16 44 | 2 39 | 12 33 | 4 19 | 22 17 | 1 9 | 23 21 | 3 31 | 15 57 | 0 50 | 17 37 | 1 58 | 21 22 | 0 32 | 7 31 | 1 14 | 3 56 | 16 15 | 23 30 | 23 32 | 3 17 | 5 41 | 1 14 |
| T 17 | 20 16 | 12 34 | 3 33 | 12 32 | 4 27 | 22 23 | 1 6 | 23 24 | 3 31 | 15 58 | 0 50 | 17 38 | 1 58 | 21 21 | 0 32 | 7 31 | 1 14 | 3 56 | 16 15 | 23 30 | 23 32 | 3 19 | 5 43 | 1 13 |
| W18 | 20 4 | 7 58 | 4 16 | 12 34 | 4 34 | 22 28 | 1 3 | 23 28 | 3 31 | 15 59 | 0 50 | 17 39 | 1 58 | 21 20 | 0 32 | 7 30 | 1 14 | 3 57 | 16 15 | 23 30 | 23 32 | 3 22 | 5 44 | 1 13 |
| T 19 | 19 51 | 3 7 | 4 48 | 12 38 | 4 40 | 22 32 | 1 0 | 23 32 | 3 31 | 15 59 | 0 49 | 17 40 | 1 58 | 21 20 | 0 32 | 7 29 | 1 14 | 3 57 | 16 15 | 23 30 | 23 32 | 3 25 | 5 46 | 1 12 |
| F 20 | 19 38 | 1n47 | 5 7 | 12 45 | 4 45 | 22 36 | 0 57 | 23 35 | 3 30 | 16 0 | 0 49 | 17 41 | 1 59 | 21 19 | 0 32 | 7 29 | 1 14 | 3 57 | 16 16 | 23 30 | 23 32 | 3 28 | 5 47 | 1 12 |
| S 21 | 19 25 | 6 36 | 5 12 | 12 54 | 4 47 | 22 39 | 0 54 | 23 39 | 3 30 | 16 1 | 0 49 | 17 42 | 1 59 | 21 18 | 0 32 | 7 28 | 1 14 | 3 57 | 16 16 | 23 30 | 23 32 | 3 30 | 5 49 | 1 12 |
| S 22 | 19 11 | 11 11 | 5 4 | 13 5 | 4 48 | 22 41 | 0 51 | 23 43 | 3 30 | 16 2 | 0 49 | 17 43 | 1 59 | 21 17 | 0 32 | 7 27 | 1 14 | 3 58 | 16 16 | 23 30 | 23 32 | 3 33 | 5 51 | 1 11 |
| M23 | 18 57 | 15 22 | 4 43 | 13 19 | 4 48 | 22 43 | 0 48 | 23 47 | 3 29 | 16 3 | 0 48 | 17 44 | 1 59 | 21 17 | 0 32 | 7 26 | 1 14 | 3 58 | 16 17 | 23 30 | 23 32 | 3 36 | 5 52 | 1 11 |
| T 24 | 18 43 | 18 59 | 4 9 | 13 34 | 4 45 | 22 44 | 0 45 | 23 51 | 3 29 | 16 4 | 0 48 | 17 45 | 1 59 | 21 16 | 0 32 | 7 26 | 1 14 | 3 58 | 16 17 | 23 31 | 23 32 | 3 39 | 5 54 | 1 10 |
| W25 | 18 28 | 21 51 | 3 24 | 13 51 | 4 41 | 22 45 | 0 42 | 23 55 | 3 28 | 16 5 | 0 48 | 17 46 | 1 59 | 21 15 | 0 32 | 7 25 | 1 14 | 3 59 | 16 17 | 23 30 | 23 32 | 3 41 | 5 56 | 1 10 |
| T 26 | 18 13 | 23 44 | 2 27 | 14 9 | 4 34 | 22 45 | 0 39 | 23 59 | 3 28 | 16 7 | 0 48 | 17 46 | 1 59 | 21 14 | 0 32 | 7 24 | 1 14 | 3 59 | 16 18 | 23 30 | 23 32 | 3 44 | 5 58 | 1 10 |
| F 27 | 17 58 | 24 24 | 1 21 | 14 29 | 4 26 | 22 44 | 0 36 | 24 4 | 3 27 | 16 8 | 0 47 | 17 47 | 1 59 | 21 14 | 0 32 | 7 24 | 1 14 | 3 59 | 16 18 | 23 30 | 23 32 | 3 47 | 5 59 | 1 9 |
| S 28 | 17 42 | 23 41 | 0 9 | 14 49 | 4 16 | 22 43 | 0 33 | 24 8 | 3 27 | 16 9 | 0 47 | 17 48 | 2 0 | 21 13 | 0 32 | 7 23 | 1 14 | 4 0 | 16 18 | 23 30 | 23 32 | 3 50 | 6 1 | 1 9 |
| S 29 | 17 27 | 21 32 | 1s 6 | 15 10 | 4 5 | 22 41 | 0 30 | 24 12 | 3 26 | 16 10 | 0 47 | 17 49 | 2 0 | 21 12 | 0 32 | 7 22 | 1 14 | 4 0 | 16 19 | 23 30 | 23 32 | 3 52 | 6 3 | 1 8 |
| M30 | 17 10 | 18 0 | 2 19 | 15 31 | 3 52 | 22 38 | 0 27 | 24 16 | 3 26 | 16 12 | 0 47 | 17 49 | 2 0 | 21 12 | 0 33 | 7 21 | 1 14 | 4 0 | 16 19 | 23 30 | 23 32 | 3 55 | 6 5 | 1 8 |
| T 31 | 16n54 | 13n17 | 3s24 | 15n52 | 3s38 | 22n35 | 0s24 | 24s20 | 3s25 | 16s13 | 0n46 | 17n50 | 2s 0 | 21n11 | 0n33 | 7n20 | 1n14 | 4s 1 | 16s19 | 23s31 | 23s33 | 3n58 | 6s 7 | 1s 8 |

Julian Day Number = 2129223.5, Delta T = 16m48s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'13, Lahiri = 11°33'14 Julian Calendar 1 July 1117 == Greg. Calendar 8 July 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## AUGUST 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 2 53 | 14♌17'28 | 29♌25 | 3°R20 | 13♋29 | 4♐ 4 | 16♏57 | 27♉57 | 28♋ 7 | 14♍20 | 29°R18 | 3°R19 | 1♉42 | 28♓15 | 12♎54 | W 1 |
| T 2 | 21 6 49 | 15°15'17 | 14♍22 | 3♌ 0 | 14°41 | 4°30 | 17° 2 | 28° 1 | 28°10 | 14°22 | 29♈18 | 3♉13 | 1°39 | 28°22 | 13° 0 | T 2 |
| F 3 | 21 10 46 | 16°13'08 | 29°16 | 2°48 | 15°53 | 4°56 | 17° 6 | 28° 4 | 28°14 | 14°24 | 29°17 | 3° 7 | 1°36 | 28°29 | 13° 6 | F 3 |
| S 4 | 21 14 43 | 17°10'59 | 14♎ 0 | 2°D43 | 17° 6 | 5°22 | 17°11 | 28° 8 | 28°17 | 14°26 | 29°17 | 3° 2 | 1°33 | 28°35 | 13°12 | S 4 |
| S 5 | 21 18 39 | 18° 8'52 | 28°27 | 2°45 | 18°18 | 5°49 | 17°16 | 28°11 | 28°21 | 14°28 | 29°17 | 2°59 | 1°30 | 28°42 | 13°18 | S 5 |
| M 6 | 21 22 36 | 19° 6'46 | 12♏34 | 2°56 | 19°30 | 6°16 | 17°21 | 28°14 | 28°24 | 14°31 | 29°17 | 2°57 | 1°26 | 28°49 | 13°24 | M 6 |
| T 7 | 21 26 32 | 20° 4'41 | 26°20 | 3°14 | 20°42 | 6°44 | 17°26 | 28°17 | 28°28 | 14°33 | 29°16 | 2°D57 | 1°23 | 28°56 | 13°31 | T 7 |
| W 8 | 21 30 29 | 21° 2'38 | 9♐45 | 3°41 | 21°55 | 7°12 | 17°32 | 28°20 | 28°31 | 14°35 | 29°16 | 2°58 | 1°20 | 29° 2 | 13°37 | W 8 |
| T 9 | 21 34 25 | 22° 0'36 | 22°53 | 4°16 | 23° 7 | 7°40 | 17°37 | 28°23 | 28°35 | 14°37 | 29°16 | 2°59 | 1°17 | 29° 9 | 13°44 | T 9 |
| F 10 | 21 38 22 | 22°58'36 | 5♑44 | 4°58 | 24°20 | 8° 9 | 17°43 | 28°26 | 28°38 | 14°39 | 29°15 | 2°R59 | 1°14 | 29°16 | 13°50 | F 10 |
| S 11 | 21 42 18 | 23°56'37 | 18°22 | 5°48 | 25°32 | 8°38 | 17°49 | 28°29 | 28°42 | 14°41 | 29°15 | 2°58 | 1°11 | 29°23 | 13°57 | S 11 |
| S 12 | 21 46 15 | 24°54'39 | 0♒49 | 6°45 | 26°45 | 9° 8 | 17°55 | 28°31 | 28°45 | 14°43 | 29°15 | 2°55 | 1° 7 | 29°29 | 14° 3 | S 12 |
| M13 | 21 50 12 | 25°52'43 | 13° 7 | 7°49 | 27°57 | 9°38 | 18° 1 | 28°34 | 28°49 | 14°45 | 29°14 | 2°49 | 1° 4 | 29°36 | 14°10 | M13 |
| T 14 | 21 54 8 | 26°50'49 | 25°17 | 9° 0 | 29°10 | 10° 8 | 18° 8 | 28°36 | 28°52 | 14°47 | 29°14 | 2°41 | 1° 1 | 29°43 | 14°17 | T 14 |
| W15 | 21 58 5 | 27°48'56 | 7♓20 | 10°17 | 0♌23 | 10°39 | 18°14 | 28°38 | 28°55 | 14°49 | 29°13 | 2°31 | 0°58 | 29°49 | 14°24 | W15 |
| T 16 | 22 2 1 | 28°47'05 | 19°17 | 11°40 | 1°36 | 11°10 | 18°21 | 28°41 | 28°59 | 14°52 | 29°13 | 2°20 | 0°55 | 29°56 | 14°31 | T 16 |
| F 17 | 22 5 58 | 29°45'16 | 1♈11 | 13° 7 | 2°49 | 11°41 | 18°27 | 28°43 | 29° 2 | 14°54 | 29°12 | 2°10 | 0°51 | 0♈ 3 | 14°38 | F 17 |
| S 18 | 22 9 54 | 0♍43'29 | 13° 3 | 14°40 | 4° 2 | 12°13 | 18°34 | 28°45 | 29° 5 | 14°56 | 29°12 | 2° 0 | 0°48 | 0°10 | 14°45 | S 18 |
| S 19 | 22 13 51 | 1°41'44 | 24°55 | 16°17 | 5°15 | 12°44 | 18°41 | 28°47 | 29° 9 | 14°58 | 29°11 | 1°52 | 0°45 | 0°16 | 14°52 | S 19 |
| M20 | 22 17 47 | 2°40'01 | 6♉51 | 17°57 | 6°28 | 13°17 | 18°49 | 28°48 | 29°12 | 15° 0 | 29°11 | 1°47 | 0°42 | 0°23 | 14°59 | M20 |
| T 21 | 22 21 44 | 3°38'20 | 18°54 | 19°40 | 7°41 | 13°49 | 18°56 | 28°50 | 29°15 | 15° 3 | 29°10 | 1°43 | 0°39 | 0°30 | 15° 6 | T 21 |
| W22 | 22 25 40 | 4°36'41 | 1♊10 | 21°26 | 8°54 | 14°22 | 19° 3 | 28°52 | 29°18 | 15° 5 | 29°10 | 1°D42 | 0°36 | 0°36 | 15°13 | W22 |
| T 23 | 22 29 37 | 5°35'04 | 13°43 | 23°14 | 10° 7 | 14°55 | 19°11 | 28°53 | 29°21 | 15° 7 | 29° 9 | 1°42 | 0°32 | 0°43 | 15°21 | T 23 |
| F 24 | 22 33 34 | 6°33'30 | 26°38 | 25° 4 | 11°21 | 15°29 | 19°19 | 28°54 | 29°25 | 15° 9 | 29° 9 | 1°R43 | 0°29 | 0°50 | 15°28 | F 24 |
| S 25 | 22 37 30 | 7°31'58 | 9♋59 | 26°55 | 12°34 | 16° 2 | 19°26 | 28°56 | 29°28 | 15°11 | 29° 8 | 1°43 | 0°26 | 0°57 | 15°35 | S 25 |
| S 26 | 22 41 27 | 8°30'28 | 23°48 | 28°47 | 13°48 | 16°36 | 19°34 | 28°57 | 29°31 | 15°14 | 29° 7 | 1°41 | 0°23 | 1° 3 | 15°43 | S 26 |
| M27 | 22 45 23 | 9°29'00 | 8♌ 7 | 0♍39 | 15° 1 | 17°11 | 19°43 | 28°58 | 29°34 | 15°16 | 29° 7 | 1°36 | 0°20 | 1°10 | 15°50 | M27 |
| T 28 | 22 49 20 | 10°27'34 | 22°52 | 2°32 | 16°15 | 17°45 | 19°51 | 28°59 | 29°37 | 15°18 | 29° 6 | 1°30 | 0°16 | 1°17 | 15°58 | T 28 |
| W29 | 22 53 16 | 11°26'10 | 7♍56 | 4°25 | 17°28 | 18°20 | 19°59 | 28°59 | 29°40 | 15°20 | 29° 5 | 1°21 | 0°13 | 1°24 | 16° 5 | W29 |
| T 30 | 22 57 13 | 12°24'49 | 23°11 | 6°18 | 18°42 | 18°55 | 20° 8 | 29° 0 | 29°43 | 15°22 | 29° 5 | 1°10 | 0°10 | 1°30 | 16°13 | T 30 |
| F 31 | 23 1 9 | 13♍23'29 | 8♎26 | 8♍11 | 19♌56 | 19♐30 | 20♏16 | 29♉ 1 | 29♋46 | 15♍25 | 29♈ 4 | 1♉ 0 | 0♉ 7 | 1♈37 | 16♎21 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n37 | 7n43 | 4s17 | 16n13 | 3s22 | 22n31 | 0s21 | 24s25 | 3s25 | 16s15 | 0n46 | 17n51 | 2s 0 | 21n10 | 0n33 | 7n20 | 1n14 | 4s 1 | 16s20 | 23s31 | 23s33 | 4n 1 | 6s 9 | 1s 7 |
| T 2 | 16 20 | 1 41 | 4 52 | 16 34 | 3 6 | 22 27 | 0 18 | 24 29 | 3 24 | 16 16 | 0 46 | 17 51 | 2 0 | 21 9 | 0 33 | 7 19 | 1 14 | 4 1 | 16 20 | 23 31 | 23 33 | 4 3 | 6 11 | 1 7 |
| F 3 | 16 3 | 4s25 | 5 8 | 16 53 | 2 49 | 22 22 | 0 15 | 24 33 | 3 23 | 16 18 | 0 46 | 17 52 | 2 1 | 21 9 | 0 33 | 7 18 | 1 14 | 4 2 | 16 20 | 23 31 | 23 33 | 4 6 | 6 13 | 1 6 |
| S 4 | 15 46 | 10 12 | 5 3 | 17 11 | 2 32 | 22 16 | 0 12 | 24 37 | 3 23 | 16 19 | 0 45 | 17 53 | 2 1 | 21 8 | 0 33 | 7 17 | 1 14 | 4 2 | 16 20 | 23 31 | 23 33 | 4 9 | 6 15 | 1 6 |
| S 5 | 15 28 | 15 19 | 4 39 | 17 28 | 2 14 | 22 9 | 0 9 | 24 41 | 3 22 | 16 21 | 0 45 | 17 53 | 2 1 | 21 7 | 0 33 | 7 17 | 1 14 | 4 2 | 16 21 | 23 31 | 23 33 | 4 12 | 6 17 | 1 6 |
| M 6 | 15 10 | 19 28 | 3 58 | 17 43 | 1 56 | 22 2 | 0 6 | 24 46 | 3 21 | 16 22 | 0 45 | 17 54 | 2 1 | 21 7 | 0 33 | 7 16 | 1 14 | 4 3 | 16 21 | 23 31 | 23 33 | 4 14 | 6 19 | 1 5 |
| T 7 | 14 52 | 22 25 | 3 5 | 17 56 | 1 38 | 21 54 | 0 3 | 24 50 | 3 20 | 16 24 | 0 45 | 17 54 | 2 1 | 21 6 | 0 33 | 7 15 | 1 14 | 4 3 | 16 21 | 23 31 | 23 33 | 4 17 | 6 21 | 1 5 |
| W 8 | 14 33 | 24 2 | 2 2 | 18 7 | 1 20 | 21 46 | 0n 0 | 24 54 | 3 20 | 16 26 | 0 45 | 17 55 | 2 1 | 21 5 | 0 33 | 7 14 | 1 14 | 4 3 | 16 22 | 23 31 | 23 33 | 4 20 | 6 23 | 1 5 |
| T 9 | 14 14 | 24 16 | 0 54 | 18 16 | 1 3 | 21 37 | 0 3 | 24 58 | 3 19 | 16 28 | 0 44 | 17 55 | 2 1 | 21 5 | 0 33 | 7 13 | 1 14 | 4 4 | 16 22 | 23 31 | 23 33 | 4 22 | 6 26 | 1 4 |
| F 10 | 13 55 | 23 11 | 0n15 | 18 22 | 0 46 | 21 27 | 0 6 | 25 2 | 3 18 | 16 29 | 0 44 | 17 56 | 2 2 | 21 4 | 0 33 | 7 12 | 1 14 | 4 4 | 16 22 | 23 31 | 23 33 | 4 25 | 6 28 | 1 4 |
| S 11 | 13 36 | 20 56 | 1 22 | 18 26 | 0 30 | 21 17 | 0 9 | 25 6 | 3 17 | 16 31 | 0 44 | 17 56 | 2 2 | 21 3 | 0 33 | 7 12 | 1 14 | 4 5 | 16 23 | 23 31 | 23 33 | 4 28 | 6 30 | 1 4 |
| S 12 | 13 17 | 17 44 | 2 24 | 18 27 | 0 14 | 21 6 | 0 12 | 25 10 | 3 17 | 16 33 | 0 44 | 17 57 | 2 2 | 21 3 | 0 33 | 7 11 | 1 14 | 4 5 | 16 23 | 23 31 | 23 33 | 4 31 | 6 32 | 1 3 |
| M13 | 12 57 | 13 48 | 3 18 | 18 25 | 0n 1 | 20 54 | 0 14 | 25 14 | 3 16 | 16 35 | 0 43 | 17 57 | 2 2 | 21 2 | 0 33 | 7 10 | 1 14 | 4 5 | 16 23 | 23 31 | 23 33 | 4 33 | 6 35 | 1 3 |
| T 14 | 12 37 | 9 21 | 4 3 | 18 20 | 0 15 | 20 42 | 0 17 | 25 17 | 3 15 | 16 37 | 0 43 | 17 57 | 2 2 | 21 1 | 0 33 | 7 9 | 1 14 | 4 6 | 16 23 | 23 32 | 23 33 | 4 36 | 6 37 | 1 2 |
| W15 | 12 17 | 4 36 | 4 36 | 18 12 | 0 28 | 20 29 | 0 20 | 25 21 | 3 14 | 16 39 | 0 43 | 17 58 | 2 2 | 21 0 | 0 33 | 7 8 | 1 14 | 4 6 | 16 24 | 23 32 | 23 33 | 4 39 | 6 39 | 1 2 |
| T 16 | 11 57 | 0n17 | 4 56 | 18 1 | 0 41 | 20 16 | 0 23 | 25 25 | 3 13 | 16 41 | 0 43 | 17 58 | 2 3 | 21 0 | 0 33 | 7 7 | 1 14 | 4 7 | 16 24 | 23 32 | 23 33 | 4 41 | 6 42 | 1 2 |
| F 17 | 11 37 | 5 7 | 5 4 | 17 47 | 0 52 | 20 2 | 0 25 | 25 28 | 3 12 | 16 43 | 0 43 | 17 58 | 2 3 | 20 59 | 0 33 | 7 7 | 1 14 | 4 7 | 16 24 | 23 32 | 23 33 | 4 44 | 6 44 | 1 1 |
| S 18 | 11 16 | 9 45 | 4 59 | 17 30 | 1 2 | 19 48 | 0 28 | 25 32 | 3 12 | 16 45 | 0 42 | 17 59 | 2 3 | 20 58 | 0 33 | 7 6 | 1 14 | 4 8 | 16 25 | 23 32 | 23 33 | 4 47 | 6 46 | 1 1 |
| S 19 | 10 55 | 14 2 | 4 40 | 17 10 | 1 11 | 19 33 | 0 31 | 25 35 | 3 11 | 16 48 | 0 42 | 17 59 | 2 3 | 20 58 | 0 33 | 7 5 | 1 14 | 4 8 | 16 25 | 23 32 | 23 33 | 4 49 | 6 49 | 1 1 |
| M20 | 10 34 | 17 47 | 4 10 | 16 47 | 1 19 | 19 17 | 0 33 | 25 38 | 3 10 | 16 50 | 0 42 | 17 59 | 2 3 | 20 57 | 0 33 | 7 4 | 1 14 | 4 8 | 16 25 | 23 33 | 23 33 | 4 52 | 6 51 | 1 0 |
| T 21 | 10 13 | 20 51 | 3 27 | 16 21 | 1 26 | 19 1 | 0 36 | 25 42 | 3 9 | 16 52 | 0 42 | 17 59 | 2 3 | 20 56 | 0 33 | 7 3 | 1 14 | 4 9 | 16 25 | 23 33 | 23 33 | 4 55 | 6 54 | 1 0 |
| W22 | 9 52 | 23 1 | 2 35 | 15 53 | 1 32 | 18 44 | 0 38 | 25 45 | 3 8 | 16 54 | 0 42 | 17 59 | 2 4 | 20 56 | 0 33 | 7 2 | 1 14 | 4 9 | 16 26 | 23 33 | 23 33 | 4 58 | 6 56 | 1 0 |
| T 23 | 9 30 | 24 7 | 1 34 | 15 22 | 1 37 | 18 27 | 0 41 | 25 48 | 3 7 | 16 56 | 0 41 | 18 0 | 2 4 | 20 55 | 0 33 | 7 2 | 1 14 | 4 10 | 16 26 | 23 33 | 23 33 | 5 0 | 6 59 | 0 59 |
| F 24 | 9 9 | 23 58 | 0 27 | 14 49 | 1 41 | 18 9 | 0 43 | 25 50 | 3 6 | 16 59 | 0 41 | 18 0 | 2 4 | 20 55 | 0 33 | 7 1 | 1 14 | 4 10 | 16 26 | 23 33 | 23 33 | 5 3 | 7 1 | 0 59 |
| S 25 | 8 47 | 22 27 | 0s44 | 14 14 | 1 45 | 17 50 | 0 45 | 25 53 | 3 5 | 17 1 | 0 41 | 18 0 | 2 4 | 20 54 | 0 33 | 7 0 | 1 14 | 4 11 | 16 26 | 23 33 | 23 33 | 5 6 | 7 4 | 0 59 |
| S 26 | 8 25 | 19 34 | 1 55 | 13 37 | 1 47 | 17 32 | 0 48 | 25 56 | 3 4 | 17 3 | 0 41 | 18 0 | 2 4 | 20 53 | 0 33 | 6 59 | 1 14 | 4 11 | 16 27 | 23 33 | 23 33 | 5 8 | 7 7 | 0 58 |
| M27 | 8 3 | 15 25 | 3 1 | 12 59 | 1 49 | 17 12 | 0 50 | 25 58 | 3 3 | 17 6 | 0 41 | 18 0 | 2 4 | 20 53 | 0 33 | 6 58 | 1 14 | 4 12 | 16 27 | 23 33 | 23 33 | 5 11 | 7 9 | 0 58 |
| T 28 | 7 41 | 10 14 | 3 56 | 12 19 | 1 49 | 16 52 | 0 52 | 26 1 | 3 2 | 17 8 | 0 40 | 18 0 | 2 5 | 20 52 | 0 33 | 6 57 | 1 14 | 4 12 | 16 27 | 23 33 | 23 33 | 5 14 | 7 12 | 0 58 |
| W29 | 7 19 | 4 21 | 4 37 | 11 38 | 1 49 | 16 32 | 0 54 | 26 3 | 3 1 | 17 11 | 0 40 | 18 0 | 2 5 | 20 51 | 0 33 | 6 56 | 1 14 | 4 12 | 16 27 | 23 33 | 23 33 | 5 16 | 7 14 | 0 57 |
| T 30 | 6 56 | 1s51 | 4 59 | 10 55 | 1 49 | 16 11 | 0 56 | 26 5 | 3 0 | 17 13 | 0 40 | 18 0 | 2 5 | 20 51 | 0 33 | 6 55 | 1 14 | 4 13 | 16 28 | 23 33 | 23 33 | 5 19 | 7 17 | 0 57 |
| F 31 | 6n34 | 7s56 | 4s59 | 10n12 | 1n47 | 15n50 | 0n58 | 26s 7 | 2s59 | 17s16 | 0n40 | 18n 0 | 2s 5 | 20n50 | 0n33 | 6n55 | 1n14 | 4s13 | 16s28 | 23s33 | 23s33 | 5n22 | 7s20 | 0s57 |

Julian Day Number = 2129254.5, Delta T = 16m48s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'18, Lahiri = 11°33'18 Julian Calendar 1 Aug. 1117 == Greg. Calendar 8 Aug. 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## SEPTEMBER 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 5 6 | 14♍22'10 | 23♎29 | 10♍ 3 | 21♌ 9 | 20♐ 6 | 20♏25 | 29♉ 1 | 29♋49 | 15♍27 | 29°R 3 | 0°R51 | 0♑ 4 | 1♈44 | 16♎28 | S 1 |
| S 2 | 23 9 3 | 15°20'54 | 8♏11 | 11°54 | 22°23 | 20°42 | 20°34 | 29° 2 | 29°51 | 15°29 | 29♈ 2 | 0♑44 | 0° 1 | 1°50 | 16°36 | S 2 |
| M 3 | 23 12 59 | 16°19'40 | 22°29 | 13°45 | 23°37 | 21°18 | 20°43 | 29° 2 | 29°54 | 15°31 | 29° 2 | 0°40 | 29♐57 | 1°57 | 16°44 | M 3 |
| T 4 | 23 16 56 | 17°18'27 | 6♐20 | 15°35 | 24°51 | 21°54 | 20°52 | 29° 2 | 29°57 | 15°34 | 29° 1 | 0°38 | 29°54 | 2° 4 | 16°52 | T 4 |
| W 5 | 23 20 52 | 18°17'16 | 19°44 | 17°25 | 26° 5 | 22°31 | 21° 1 | 29°R 2 | 29°59 | 15°36 | 29° 0 | 0°D38 | 29°51 | 2°11 | 17° 0 | W 5 |
| T 6 | 23 24 49 | 19°16'07 | 2♑46 | 19°13 | 27°19 | 23° 7 | 21°10 | 29° 2 | 0♌ 3 | 15°38 | 28°59 | 0°R38 | 29°48 | 2°17 | 17° 8 | T 6 |
| F 7 | 23 28 45 | 20°15'00 | 15°28 | 21° 1 | 28°33 | 23°44 | 21°20 | 29° 2 | 0° 5 | 15°40 | 28°58 | 0°37 | 29°45 | 2°24 | 17°16 | F 7 |
| S 8 | 23 32 42 | 21°13'54 | 27°54 | 22°48 | 29°47 | 24°22 | 21°29 | 29° 1 | 0° 8 | 15°43 | 28°57 | 0°35 | 29°42 | 2°31 | 17°24 | S 8 |
| S 9 | 23 36 38 | 22°12'50 | 10♒ 9 | 24°34 | 1♍ 1 | 24°59 | 21°39 | 29° 1 | 0°11 | 15°45 | 28°57 | 0°29 | 29°38 | 2°38 | 17°32 | S 9 |
| M10 | 23 40 35 | 23°11'48 | 22°15 | 26°19 | 2°15 | 25°36 | 21°49 | 29° 0 | 0°13 | 15°47 | 28°56 | 0°21 | 29°35 | 2°44 | 17°40 | M10 |
| T 11 | 23 44 32 | 24°10'48 | 4♓16 | 28° 3 | 3°30 | 26°14 | 21°59 | 29° 0 | 0°16 | 15°49 | 28°55 | 0°10 | 29°32 | 2°51 | 17°48 | T 11 |
| W12 | 23 48 28 | 25° 9'50 | 16°12 | 29°46 | 4°44 | 26°52 | 22° 9 | 28°59 | 0°18 | 15°51 | 28°54 | 29♐57 | 29°29 | 2°58 | 17°56 | W12 |
| T 13 | 23 52 25 | 26° 8'54 | 28° 6 | 1♎29 | 5°58 | 27°30 | 22°19 | 28°58 | 0°21 | 15°54 | 28°53 | 29°43 | 29°26 | 3° 4 | 18° 4 | T 13 |
| F 14 | 23 56 21 | 27° 8'00 | 9♈59 | 3°10 | 7°12 | 28° 8 | 22°29 | 28°57 | 0°23 | 15°56 | 28°52 | 29°28 | 29°22 | 3°11 | 18°12 | F 14 |
| S 15 | 0 0 18 | 28° 7'08 | 21°51 | 4°51 | 8°27 | 28°47 | 22°39 | 28°56 | 0°25 | 15°58 | 28°51 | 29°15 | 29°19 | 3°18 | 18°20 | S 15 |
| S 16 | 0 4 14 | 29° 6'19 | 3♉46 | 6°31 | 9°41 | 29°25 | 22°49 | 28°55 | 0°28 | 16° 0 | 28°50 | 29° 4 | 29°16 | 3°25 | 18°29 | S 16 |
| M17 | 0 8 11 | 0♎ 5'31 | 15°44 | 8°10 | 10°56 | 0♑ 4 | 23° 0 | 28°54 | 0°30 | 16° 2 | 28°49 | 28°55 | 29°13 | 3°31 | 18°37 | M17 |
| T 18 | 0 12 7 | 1° 4'46 | 27°49 | 9°48 | 12°10 | 0°43 | 23°10 | 28°52 | 0°32 | 16° 5 | 28°48 | 28°50 | 29°10 | 3°38 | 18°45 | T 18 |
| W19 | 0 16 4 | 2° 4'04 | 10♊ 5 | 11°26 | 13°25 | 1°22 | 23°21 | 28°51 | 0°35 | 16° 7 | 28°47 | 28°47 | 29° 7 | 3°45 | 18°53 | W19 |
| T 20 | 0 20 0 | 3° 3'23 | 22°36 | 13° 3 | 14°39 | 2° 2 | 23°32 | 28°49 | 0°37 | 16° 9 | 28°46 | 28°46 | 29° 3 | 3°51 | 19° 2 | T 20 |
| F 21 | 0 23 57 | 4° 2'46 | 5♋26 | 14°39 | 15°54 | 2°41 | 23°43 | 28°48 | 0°39 | 16°11 | 28°45 | 28°46 | 29° 0 | 3°58 | 19°10 | F 21 |
| S 22 | 0 27 54 | 5° 2'10 | 18°39 | 16°14 | 17° 9 | 3°21 | 23°53 | 28°46 | 0°41 | 16°13 | 28°44 | 28°46 | 28°57 | 4° 5 | 19°18 | S 22 |
| S 23 | 0 31 50 | 6° 1'37 | 2♌20 | 17°49 | 18°23 | 4° 0 | 24° 4 | 28°44 | 0°43 | 16°15 | 28°43 | 28°44 | 28°54 | 4°12 | 19°27 | S 23 |
| M24 | 0 35 47 | 7° 1'06 | 16°30 | 19°22 | 19°38 | 4°40 | 24°16 | 28°42 | 0°45 | 16°17 | 28°42 | 28°39 | 28°51 | 4°18 | 19°35 | M24 |
| T 25 | 0 39 43 | 8° 0'37 | 1♍ 8 | 20°56 | 20°53 | 5°20 | 24°27 | 28°40 | 0°47 | 16°20 | 28°41 | 28°32 | 28°48 | 4°25 | 19°44 | T 25 |
| W26 | 0 43 40 | 9° 0'11 | 16°10 | 22°28 | 22° 8 | 6° 0 | 24°38 | 28°37 | 0°49 | 16°22 | 28°40 | 28°23 | 28°44 | 4°32 | 19°52 | W26 |
| T 27 | 0 47 36 | 9°59'47 | 1♎26 | 24° 0 | 23°23 | 6°41 | 24°49 | 28°35 | 0°51 | 16°24 | 28°39 | 28°12 | 28°41 | 4°39 | 20° 1 | T 27 |
| F 28 | 0 51 33 | 10°59'25 | 16°47 | 25°31 | 24°37 | 7°21 | 25° 1 | 28°33 | 0°52 | 16°26 | 28°38 | 28° 1 | 28°38 | 4°45 | 20° 9 | F 28 |
| S 29 | 0 55 29 | 11°59'05 | 2♏ 0 | 27° 2 | 25°52 | 8° 2 | 25°12 | 28°30 | 0°54 | 16°28 | 28°37 | 27°51 | 28°35 | 4°52 | 20°17 | S 29 |
| S 30 | 0 59 26 | 12♎58'47 | 16♏54 | 28♎32 | 27♍ 7 | 8♑42 | 25♏24 | 28♉27 | 0♌56 | 16♍30 | 28♈36 | 27♐43 | 28♐32 | 4♈59 | 20♎26 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n11 | 13s28 | 4s39 | 9n28 | 1n45 | 15n28 | 1n 0 | 26s 9 | 2s58 | 17s18 | 0n40 | 18n 0 | 2s 5 | 20n50 | 0n33 | 6n54 | 1n14 | 4s14 | 16s28 | 23s33 | 23s33 | 5n24 | 7s22 | 0s56 |
| S 2 | 5 48 | 18 5 | 4 0 | 8 43 | 1 43 | 15 6 | 1 2 | 26 10 | 2 57 | 17 21 | 0 39 | 18 0 | 2 5 | 20 49 | 0 33 | 6 53 | 1 14 | 4 14 | 16 28 | 23 33 | 23 33 | 5 27 | 7 25 | 0 56 |
| M 3 | 5 25 | 21 30 | 3 7 | 7 58 | 1 40 | 14 43 | 1 4 | 26 12 | 2 56 | 17 23 | 0 39 | 18 0 | 2 6 | 20 49 | 0 33 | 6 52 | 1 14 | 4 15 | 16 28 | 23 33 | 23 33 | 5 30 | 7 28 | 0 56 |
| T 4 | 5 2 | 23 31 | 2 5 | 7 12 | 1 37 | 14 20 | 1 6 | 26 13 | 2 55 | 17 26 | 0 39 | 18 0 | 2 6 | 20 48 | 0 33 | 6 51 | 1 14 | 4 15 | 16 29 | 23 33 | 23 33 | 5 32 | 7 31 | 0 55 |
| W 5 | 4 39 | 24 6 | 0 57 | 6 25 | 1 33 | 13 57 | 1 8 | 26 14 | 2 54 | 17 28 | 0 39 | 17 59 | 2 6 | 20 47 | 0 33 | 6 50 | 1 14 | 4 16 | 16 29 | 23 33 | 23 33 | 5 35 | 7 33 | 0 55 |
| T 6 | 4 16 | 23 20 | 0n11 | 5 39 | 1 29 | 13 33 | 1 9 | 26 15 | 2 53 | 17 31 | 0 39 | 17 59 | 2 6 | 20 47 | 0 33 | 6 49 | 1 14 | 4 16 | 16 29 | 23 33 | 23 33 | 5 38 | 7 36 | 0 55 |
| F 7 | 3 53 | 21 22 | 1 18 | 4 52 | 1 24 | 13 9 | 1 11 | 26 16 | 2 52 | 17 34 | 0 38 | 17 59 | 2 6 | 20 46 | 0 33 | 6 49 | 1 14 | 4 17 | 16 29 | 23 33 | 23 33 | 5 40 | 7 39 | 0 54 |
| S 8 | 3 30 | 18 25 | 2 19 | 4 5 | 1 19 | 12 44 | 1 12 | 26 17 | 2 51 | 17 36 | 0 38 | 17 59 | 2 6 | 20 46 | 0 33 | 6 48 | 1 14 | 4 17 | 16 29 | 23 33 | 23 33 | 5 43 | 7 42 | 0 54 |
| S 9 | 3 6 | 14 42 | 3 12 | 3 18 | 1 14 | 12 19 | 1 14 | 26 17 | 2 50 | 17 39 | 0 38 | 17 59 | 2 7 | 20 45 | 0 33 | 6 47 | 1 14 | 4 18 | 16 30 | 23 33 | 23 33 | 5 45 | 7 44 | 0 54 |
| M10 | 2 43 | 10 26 | 3 57 | 2 32 | 1 9 | 11 54 | 1 15 | 26 17 | 2 49 | 17 42 | 0 38 | 17 58 | 2 7 | 20 45 | 0 33 | 6 46 | 1 14 | 4 18 | 16 30 | 23 33 | 23 33 | 5 48 | 7 47 | 0 54 |
| T 11 | 2 19 | 5 48 | 4 30 | 1 45 | 1 3 | 11 28 | 1 17 | 26 17 | 2 47 | 17 45 | 0 38 | 17 58 | 2 7 | 20 44 | 0 33 | 6 45 | 1 14 | 4 18 | 16 30 | 23 33 | 23 33 | 5 51 | 7 50 | 0 53 |
| W12 | 1 56 | 1 0 | 4 51 | 0 58 | 0 57 | 11 2 | 1 18 | 26 17 | 2 46 | 17 47 | 0 38 | 17 58 | 2 7 | 20 44 | 0 34 | 6 44 | 1 14 | 4 19 | 16 30 | 23 33 | 23 33 | 5 53 | 7 53 | 0 53 |
| T 13 | 1 32 | 3n49 | 4 59 | 0 12 | 0 51 | 10 36 | 1 19 | 26 17 | 2 45 | 17 50 | 0 37 | 17 57 | 2 7 | 20 43 | 0 34 | 6 43 | 1 14 | 4 19 | 16 30 | 23 33 | 23 33 | 5 56 | 7 56 | 0 53 |
| F 14 | 1 9 | 8 28 | 4 54 | 0s34 | 0 45 | 10 9 | 1 20 | 26 17 | 2 44 | 17 53 | 0 37 | 17 57 | 2 7 | 20 43 | 0 34 | 6 43 | 1 14 | 4 20 | 16 31 | 23 33 | 23 33 | 5 59 | 7 59 | 0 52 |
| S 15 | 0 45 | 12 50 | 4 37 | 1 20 | 0 39 | 9 42 | 1 22 | 26 16 | 2 43 | 17 56 | 0 37 | 17 57 | 2 8 | 20 42 | 0 34 | 6 42 | 1 14 | 4 20 | 16 31 | 23 33 | 23 33 | 6 1 | 8 1 | 0 52 |
| S 16 | 0 21 | 16 42 | 4 7 | 2 6 | 0 32 | 9 15 | 1 23 | 26 15 | 2 42 | 17 58 | 0 37 | 17 56 | 2 8 | 20 42 | 0 34 | 6 41 | 1 14 | 4 21 | 16 31 | 23 33 | 23 33 | 6 4 | 8 4 | 0 52 |
| M17 | 0s 2 | 19 55 | 3 26 | 2 51 | 0 26 | 8 47 | 1 24 | 26 14 | 2 41 | 18 1 | 0 37 | 17 56 | 2 8 | 20 41 | 0 34 | 6 40 | 1 14 | 4 21 | 16 31 | 23 33 | 23 33 | 6 7 | 8 7 | 0 51 |
| T 18 | 0 26 | 22 18 | 2 36 | 3 36 | 0 19 | 8 20 | 1 24 | 26 13 | 2 40 | 18 4 | 0 37 | 17 55 | 2 8 | 20 41 | 0 34 | 6 39 | 1 14 | 4 22 | 16 31 | 23 33 | 23 33 | 6 9 | 8 10 | 0 51 |
| W19 | 0 50 | 23 40 | 1 37 | 4 21 | 0 12 | 7 52 | 1 25 | 26 11 | 2 38 | 18 7 | 0 36 | 17 55 | 2 8 | 20 40 | 0 34 | 6 38 | 1 14 | 4 22 | 16 31 | 23 33 | 23 33 | 6 12 | 8 13 | 0 51 |
| T 20 | 1 13 | 23 53 | 0 33 | 5 5 | 0 6 | 7 23 | 1 26 | 26 9 | 2 37 | 18 10 | 0 36 | 17 54 | 2 8 | 20 40 | 0 34 | 6 38 | 1 14 | 4 23 | 16 31 | 23 33 | 23 33 | 6 14 | 8 16 | 0 51 |
| F 21 | 1 37 | 22 51 | 0s35 | 5 49 | 0s 1 | 6 55 | 1 27 | 26 8 | 2 36 | 18 12 | 0 36 | 17 54 | 2 8 | 20 39 | 0 34 | 6 37 | 1 14 | 4 23 | 16 32 | 23 33 | 23 33 | 6 17 | 8 19 | 0 50 |
| S 22 | 2 1 | 20 33 | 1 43 | 6 32 | 0 8 | 6 26 | 1 27 | 26 6 | 2 35 | 18 15 | 0 36 | 17 53 | 2 9 | 20 39 | 0 34 | 6 36 | 1 14 | 4 24 | 16 32 | 23 33 | 23 33 | 6 20 | 8 22 | 0 50 |
| S 23 | 2 24 | 17 1 | 2 47 | 7 15 | 0 15 | 5 58 | 1 28 | 26 3 | 2 34 | 18 18 | 0 36 | 17 53 | 2 9 | 20 39 | 0 34 | 6 35 | 1 14 | 4 24 | 16 32 | 23 33 | 23 33 | 6 22 | 8 25 | 0 50 |
| M24 | 2 48 | 12 24 | 3 44 | 7 57 | 0 22 | 5 29 | 1 28 | 26 1 | 2 33 | 18 21 | 0 36 | 17 52 | 2 9 | 20 38 | 0 34 | 6 34 | 1 14 | 4 24 | 16 32 | 23 33 | 23 33 | 6 25 | 8 28 | 0 49 |
| T 25 | 3 12 | 6 57 | 4 27 | 8 39 | 0 29 | 4 59 | 1 29 | 25 58 | 2 31 | 18 24 | 0 35 | 17 52 | 2 9 | 20 38 | 0 34 | 6 34 | 1 14 | 4 25 | 16 32 | 23 33 | 23 33 | 6 28 | 8 31 | 0 49 |
| W26 | 3 35 | 0 58 | 4 54 | 9 20 | 0 36 | 4 30 | 1 29 | 25 55 | 2 30 | 18 27 | 0 35 | 17 51 | 2 9 | 20 38 | 0 34 | 6 33 | 1 14 | 4 25 | 16 32 | 23 33 | 23 33 | 6 30 | 8 34 | 0 49 |
| T 27 | 3 59 | 5s10 | 5 0 | 10 1 | 0 43 | 4 1 | 1 29 | 25 52 | 2 29 | 18 30 | 0 35 | 17 50 | 2 9 | 20 37 | 0 34 | 6 32 | 1 14 | 4 26 | 16 32 | 23 32 | 23 33 | 6 33 | 8 36 | 0 49 |
| F 28 | 4 22 | 11 0 | 4 45 | 10 41 | 0 50 | 3 31 | 1 30 | 25 48 | 2 28 | 18 33 | 0 35 | 17 50 | 2 9 | 20 37 | 0 34 | 6 31 | 1 14 | 4 26 | 16 32 | 23 32 | 23 33 | 6 35 | 8 39 | 0 48 |
| S 29 | 4 46 | 16 7 | 4 10 | 11 21 | 0 56 | 3 1 | 1 30 | 25 45 | 2 27 | 18 36 | 0 35 | 17 49 | 2 9 | 20 36 | 0 34 | 6 30 | 1 14 | 4 27 | 16 32 | 23 32 | 23 33 | 6 38 | 8 42 | 0 48 |
| S 30 | 5s 9 | 20s 7 | 3s18 | 11s59 | 1s 3 | 2n31 | 1n30 | 25s41 | 2s25 | 18s39 | 0n35 | 17n48 | 2s10 | 20n36 | 0n34 | 6n30 | 1n14 | 4s27 | 16s32 | 23s32 | 23s33 | 6n40 | 8s45 | 0s48 |

Julian Day Number = 2129285.5, Delta T = 16m48s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'22, Lahiri = 11°33'22 Julian Calendar 1 Sept. 1117 == Greg. Calendar 8 Sept. 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## OCTOBER 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 3 23 | 13♎58'31 | 1♐24 | 0♏ 1 | 28♍22 | 9♑23 | 25♏35 | 28°R25 | 0♌57 | 16♍32 | 28°R35 | 27°R38 | 28♐28 | 5♈ 5 | 20♎34 | M 1 |
| T 2 | 1 7 19 | 14°58'16 | 15°25 | 1°30 | 29°37 | 10° 4 | 25°47 | 28♉22 | 0°59 | 16°34 | 28♈34 | 27♐36 | 28°25 | 5°12 | 20°43 | T 2 |
| W 3 | 1 11 16 | 15°58'04 | 28°56 | 2°58 | 0♎52 | 10°45 | 25°59 | 28°19 | 1° 1 | 16°36 | 28°33 | 27°D36 | 28°22 | 5°19 | 20°51 | W 3 |
| T 4 | 1 15 12 | 16°57'53 | 12♑ 1 | 4°25 | 2° 7 | 11°27 | 26°11 | 28°16 | 1° 2 | 16°38 | 28°31 | 27°R36 | 28°19 | 5°26 | 21° 0 | T 4 |
| F 5 | 1 19 9 | 17°57'44 | 24°43 | 5°52 | 3°22 | 12° 8 | 26°23 | 28°13 | 1° 4 | 16°40 | 28°30 | 27°36 | 28°16 | 5°32 | 21° 8 | F 5 |
| S 6 | 1 23 5 | 18°57'37 | 7♒ 6 | 7°18 | 4°37 | 12°49 | 26°35 | 28°10 | 1° 5 | 16°42 | 28°29 | 27°34 | 28°13 | 5°39 | 21°17 | S 6 |
| S 7 | 1 27 2 | 19°57'31 | 19°17 | 8°43 | 5°52 | 13°31 | 26°47 | 28° 6 | 1° 6 | 16°44 | 28°28 | 27°30 | 28° 9 | 5°46 | 21°25 | S 7 |
| M 8 | 1 30 58 | 20°57'27 | 1♓17 | 10° 7 | 7° 7 | 14°12 | 26°59 | 28° 3 | 1° 8 | 16°46 | 28°27 | 27°24 | 28° 6 | 5°52 | 21°34 | M 8 |
| T 9 | 1 34 55 | 21°57'25 | 13°12 | 11°31 | 8°23 | 14°54 | 27°11 | 28° 0 | 1° 9 | 16°48 | 28°26 | 27°14 | 28° 3 | 5°59 | 21°42 | T 9 |
| W10 | 1 38 52 | 22°57'24 | 25° 5 | 12°54 | 9°38 | 15°36 | 27°23 | 27°56 | 1°10 | 16°50 | 28°25 | 27° 3 | 28° 0 | 6° 6 | 21°51 | W10 |
| T 11 | 1 42 48 | 23°57'25 | 6♈57 | 14°15 | 10°53 | 16°18 | 27°36 | 27°53 | 1°11 | 16°52 | 28°24 | 26°51 | 27°57 | 6°13 | 22° 0 | T 11 |
| F 12 | 1 46 45 | 24°57'28 | 18°51 | 15°36 | 12° 8 | 17° 0 | 27°48 | 27°49 | 1°12 | 16°53 | 28°22 | 26°38 | 27°53 | 6°19 | 22° 8 | F 12 |
| S 13 | 1 50 41 | 25°57'33 | 0♉48 | 16°56 | 13°23 | 17°42 | 28° 0 | 27°45 | 1°13 | 16°55 | 28°21 | 26°27 | 27°50 | 6°26 | 22°17 | S 13 |
| S 14 | 1 54 38 | 26°57'40 | 12°49 | 18°15 | 14°38 | 18°24 | 28°13 | 27°41 | 1°14 | 16°57 | 28°20 | 26°17 | 27°47 | 6°33 | 22°25 | S 14 |
| M15 | 1 58 34 | 27°57'49 | 24°55 | 19°32 | 15°54 | 19° 6 | 28°25 | 27°37 | 1°15 | 16°59 | 28°19 | 26°10 | 27°44 | 6°40 | 22°34 | M15 |
| T 16 | 2 2 31 | 28°58'00 | 7♊ 9 | 20°48 | 17° 9 | 19°49 | 28°38 | 27°33 | 1°16 | 17° 1 | 28°18 | 26° 6 | 27°41 | 6°46 | 22°42 | T 16 |
| W17 | 2 6 27 | 29°58'13 | 19°33 | 22° 2 | 18°24 | 20°31 | 28°51 | 27°29 | 1°17 | 17° 2 | 28°17 | 26° 4 | 27°38 | 6°53 | 22°50 | W17 |
| T 18 | 2 10 24 | 0♏58'28 | 2♋ 9 | 23°15 | 19°40 | 21°14 | 29° 3 | 27°25 | 1°18 | 17° 4 | 28°16 | 26°D 4 | 27°34 | 7° 0 | 22°59 | T 18 |
| F 19 | 2 14 21 | 1°58'45 | 15° 1 | 24°26 | 20°55 | 21°56 | 29°16 | 27°21 | 1°18 | 17° 6 | 28°15 | 26° 5 | 27°31 | 7° 6 | 23° 7 | F 19 |
| S 20 | 2 18 17 | 2°59'04 | 28°12 | 25°35 | 22°10 | 22°39 | 29°29 | 27°17 | 1°19 | 17° 8 | 28°13 | 26°R 6 | 27°28 | 7°13 | 23°16 | S 20 |
| S 21 | 2 22 14 | 3°59'26 | 11♌45 | 26°41 | 23°26 | 23°21 | 29°42 | 27°13 | 1°20 | 17° 9 | 28°12 | 26° 5 | 27°25 | 7°20 | 23°24 | S 21 |
| M22 | 2 26 10 | 4°59'49 | 25°43 | 27°45 | 24°41 | 24° 4 | 29°55 | 27° 8 | 1°20 | 17°11 | 28°11 | 26° 3 | 27°22 | 7°27 | 23°33 | M22 |
| T 23 | 2 30 7 | 6° 0'14 | 10♍ 5 | 28°46 | 25°56 | 24°47 | 0♐ 8 | 27° 4 | 1°21 | 17°12 | 28°10 | 25°59 | 27°19 | 7°33 | 23°41 | T 23 |
| W24 | 2 34 3 | 7° 0'41 | 24°49 | 29°43 | 27°12 | 25°30 | 0°21 | 26°59 | 1°21 | 17°14 | 28° 9 | 25°53 | 27°15 | 7°40 | 23°49 | W24 |
| T 25 | 2 38 0 | 8° 1'10 | 9♎49 | 0♐37 | 28°27 | 26°13 | 0°34 | 26°55 | 1°22 | 17°16 | 28° 8 | 25°46 | 27°12 | 7°47 | 23°58 | T 25 |
| F 26 | 2 41 56 | 9° 1'41 | 24°57 | 1°26 | 29°43 | 26°56 | 0°47 | 26°50 | 1°22 | 17°17 | 28° 7 | 25°38 | 27° 9 | 7°53 | 24° 6 | F 26 |
| S 27 | 2 45 53 | 10° 2'13 | 10♏ 2 | 2°11 | 0♏58 | 27°39 | 1° 0 | 26°46 | 1°22 | 17°19 | 28° 6 | 25°32 | 27° 6 | 8° 0 | 24°14 | S 27 |
| S 28 | 2 49 50 | 11° 2'47 | 24°55 | 2°50 | 2°13 | 28°22 | 1°13 | 26°41 | 1°22 | 17°20 | 28° 5 | 25°26 | 27° 3 | 8° 7 | 24°23 | S 28 |
| M29 | 2 53 46 | 12° 3'23 | 9♐28 | 3°23 | 3°29 | 29° 6 | 1°26 | 26°36 | 1°22 | 17°22 | 28° 3 | 25°23 | 26°59 | 8°14 | 24°31 | M29 |
| T 30 | 2 57 43 | 13° 4'00 | 23°35 | 3°50 | 4°44 | 29°49 | 1°39 | 26°32 | 1°23 | 17°23 | 28° 2 | 25°D22 | 26°56 | 8°20 | 24°39 | T 30 |
| W31 | 3 1 39 | 14♏ 4'39 | 7♑15 | 4♐ 9 | 6♏ 0 | 0♒32 | 1♐53 | 26♉27 | 1°R23 | 17♍25 | 28♈ 1 | 25♐23 | 26♐53 | 8♈27 | 24♎48 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s32 | 22s44 | 2s14 | 12s37 | 1s10 | 2n 1 | 1n30 | 25s37 | 2s24 | 18s41 | 0n34 | 17n48 | 2s10 | 20n36 | 0n34 | 6n29 | 1n14 | 4s28 | 16s33 | 23s32 | 23s33 | 6n43 | 8s48 | 0s47 |
| T 2 | 5 56 | 23 49 | 1 4 | 13 15 | 1 16 | 1 31 | 1 30 | 25 33 | 2 23 | 18 44 | 0 34 | 17 47 | 2 10 | 20 35 | 0 34 | 6 28 | 1 14 | 4 28 | 16 33 | 23 32 | 23 33 | 6 46 | 8 51 | 0 47 |
| W 3 | 6 19 | 23 26 | 0n 7 | 13 51 | 1 23 | 1 1 | 1 30 | 25 28 | 2 22 | 18 47 | 0 34 | 17 46 | 2 10 | 20 35 | 0 34 | 6 27 | 1 14 | 4 28 | 16 33 | 23 32 | 23 33 | 6 48 | 8 54 | 0 47 |
| T 4 | 6 42 | 21 45 | 1 16 | 14 27 | 1 29 | 0 31 | 1 29 | 25 23 | 2 20 | 18 50 | 0 34 | 17 45 | 2 10 | 20 35 | 0 34 | 6 27 | 1 14 | 4 29 | 16 33 | 23 32 | 23 33 | 6 51 | 8 57 | 0 47 |
| F 5 | 7 5 | 19 1 | 2 19 | 15 2 | 1 36 | 0 1 | 1 29 | 25 18 | 2 19 | 18 53 | 0 34 | 17 45 | 2 10 | 20 35 | 0 34 | 6 26 | 1 15 | 4 29 | 16 33 | 23 32 | 23 33 | 6 53 | 9 0 | 0 46 |
| S 6 | 7 28 | 15 28 | 3 14 | 15 37 | 1 42 | 0s29 | 1 29 | 25 13 | 2 18 | 18 56 | 0 34 | 17 44 | 2 10 | 20 34 | 0 34 | 6 25 | 1 15 | 4 30 | 16 33 | 23 32 | 23 32 | 6 56 | 9 3 | 0 46 |
| S 7 | 7 50 | 11 20 | 3 58 | 16 10 | 1 48 | 1 0 | 1 28 | 25 8 | 2 17 | 18 59 | 0 34 | 17 43 | 2 10 | 20 34 | 0 34 | 6 24 | 1 15 | 4 30 | 16 33 | 23 32 | 23 32 | 6 59 | 9 6 | 0 46 |
| M 8 | 8 13 | 6 50 | 4 32 | 16 43 | 1 53 | 1 30 | 1 28 | 25 2 | 2 16 | 19 2 | 0 33 | 17 42 | 2 10 | 20 34 | 0 34 | 6 24 | 1 15 | 4 31 | 16 33 | 23 32 | 23 32 | 7 1 | 9 9 | 0 46 |
| T 9 | 8 36 | 2 7 | 4 54 | 17 14 | 1 59 | 2 0 | 1 27 | 24 56 | 2 14 | 19 5 | 0 33 | 17 41 | 2 10 | 20 34 | 0 34 | 6 23 | 1 15 | 4 31 | 16 33 | 23 31 | 23 32 | 7 4 | 9 12 | 0 45 |
| W10 | 8 58 | 2n40 | 5 2 | 17 45 | 2 4 | 2 30 | 1 27 | 24 50 | 2 13 | 19 8 | 0 33 | 17 40 | 2 11 | 20 33 | 0 35 | 6 22 | 1 15 | 4 31 | 16 33 | 23 31 | 23 32 | 7 6 | 9 15 | 0 45 |
| T 11 | 9 20 | 7 20 | 4 58 | 18 15 | 2 9 | 3 0 | 1 26 | 24 44 | 2 12 | 19 11 | 0 33 | 17 40 | 2 11 | 20 33 | 0 35 | 6 21 | 1 15 | 4 32 | 16 33 | 23 31 | 23 32 | 7 9 | 9 18 | 0 45 |
| F 12 | 9 42 | 11 44 | 4 40 | 18 44 | 2 14 | 3 31 | 1 25 | 24 38 | 2 11 | 19 14 | 0 33 | 17 39 | 2 11 | 20 33 | 0 35 | 6 21 | 1 15 | 4 32 | 16 33 | 23 31 | 23 32 | 7 11 | 9 21 | 0 45 |
| S 13 | 10 4 | 15 43 | 4 11 | 19 11 | 2 19 | 4 1 | 1 24 | 24 31 | 2 9 | 19 17 | 0 33 | 17 38 | 2 11 | 20 33 | 0 35 | 6 20 | 1 15 | 4 32 | 16 33 | 23 30 | 23 32 | 7 14 | 9 24 | 0 44 |
| S 14 | 10 26 | 19 5 | 3 30 | 19 38 | 2 23 | 4 31 | 1 24 | 24 24 | 2 8 | 19 20 | 0 33 | 17 37 | 2 11 | 20 33 | 0 35 | 6 19 | 1 15 | 4 33 | 16 33 | 23 30 | 23 32 | 7 17 | 9 27 | 0 44 |
| M15 | 10 48 | 21 39 | 2 38 | 20 3 | 2 27 | 5 1 | 1 23 | 24 17 | 2 7 | 19 22 | 0 33 | 17 36 | 2 11 | 20 32 | 0 35 | 6 19 | 1 15 | 4 33 | 16 33 | 23 30 | 23 32 | 7 19 | 9 30 | 0 44 |
| T 16 | 11 10 | 23 15 | 1 39 | 20 28 | 2 31 | 5 31 | 1 22 | 24 9 | 2 6 | 19 25 | 0 32 | 17 35 | 2 11 | 20 32 | 0 35 | 6 18 | 1 15 | 4 34 | 16 33 | 23 30 | 23 32 | 7 22 | 9 33 | 0 44 |
| W17 | 11 31 | 23 43 | 0 35 | 20 51 | 2 34 | 6 0 | 1 21 | 24 2 | 2 4 | 19 28 | 0 32 | 17 34 | 2 11 | 20 32 | 0 35 | 6 17 | 1 15 | 4 34 | 16 33 | 23 30 | 23 32 | 7 24 | 9 36 | 0 43 |
| T 18 | 11 52 | 23 0 | 0s33 | 21 12 | 2 37 | 6 30 | 1 20 | 23 54 | 2 3 | 19 31 | 0 32 | 17 33 | 2 11 | 20 32 | 0 35 | 6 17 | 1 15 | 4 34 | 16 33 | 23 30 | 23 32 | 7 27 | 9 38 | 0 43 |
| F 19 | 12 13 | 21 3 | 1 40 | 21 33 | 2 39 | 6 59 | 1 18 | 23 46 | 2 2 | 19 34 | 0 32 | 17 32 | 2 11 | 20 32 | 0 35 | 6 16 | 1 15 | 4 35 | 16 33 | 23 30 | 23 32 | 7 29 | 9 41 | 0 43 |
| S 20 | 12 34 | 17 57 | 2 44 | 21 51 | 2 41 | 7 29 | 1 17 | 23 37 | 2 1 | 19 37 | 0 32 | 17 31 | 2 11 | 20 32 | 0 35 | 6 16 | 1 15 | 4 35 | 16 33 | 23 30 | 23 32 | 7 32 | 9 44 | 0 42 |
| S 21 | 12 55 | 13 49 | 3 40 | 22 9 | 2 43 | 7 58 | 1 16 | 23 29 | 1 59 | 19 40 | 0 32 | 17 30 | 2 11 | 20 32 | 0 35 | 6 15 | 1 15 | 4 35 | 16 33 | 23 30 | 23 32 | 7 34 | 9 47 | 0 42 |
| M22 | 13 15 | 8 50 | 4 26 | 22 24 | 2 43 | 8 27 | 1 15 | 23 20 | 1 58 | 19 43 | 0 32 | 17 29 | 2 11 | 20 32 | 0 35 | 6 14 | 1 15 | 4 36 | 16 33 | 23 30 | 23 32 | 7 37 | 9 50 | 0 42 |
| T 23 | 13 35 | 3 16 | 4 56 | 22 38 | 2 44 | 8 56 | 1 13 | 23 11 | 1 57 | 19 46 | 0 32 | 17 28 | 2 11 | 20 31 | 0 35 | 6 14 | 1 15 | 4 36 | 16 33 | 23 30 | 23 32 | 7 39 | 9 53 | 0 42 |
| W24 | 13 55 | 2s38 | 5 7 | 22 50 | 2 43 | 9 24 | 1 12 | 23 2 | 1 56 | 19 48 | 0 31 | 17 27 | 2 11 | 20 31 | 0 35 | 6 13 | 1 15 | 4 36 | 16 33 | 23 29 | 23 32 | 7 42 | 9 56 | 0 41 |
| T 25 | 14 15 | 8 28 | 4 58 | 23 1 | 2 42 | 9 53 | 1 10 | 22 53 | 1 54 | 19 51 | 0 31 | 17 26 | 2 11 | 20 31 | 0 35 | 6 13 | 1 15 | 4 37 | 16 32 | 23 29 | 23 31 | 7 44 | 9 59 | 0 41 |
| F 26 | 14 34 | 13 52 | 4 28 | 23 9 | 2 39 | 10 21 | 1 9 | 22 43 | 1 53 | 19 54 | 0 31 | 17 25 | 2 11 | 20 31 | 0 35 | 6 12 | 1 15 | 4 37 | 16 32 | 23 29 | 23 31 | 7 47 | 10 2 | 0 41 |
| S 27 | 14 54 | 18 22 | 3 40 | 23 15 | 2 36 | 10 49 | 1 7 | 22 33 | 1 52 | 19 57 | 0 31 | 17 24 | 2 11 | 20 31 | 0 35 | 6 11 | 1 15 | 4 37 | 16 32 | 23 29 | 23 31 | 7 50 | 10 4 | 0 41 |
| S 28 | 15 13 | 21 38 | 2 37 | 23 19 | 2 32 | 11 17 | 1 6 | 22 23 | 1 51 | 20 0 | 0 31 | 17 23 | 2 11 | 20 31 | 0 35 | 6 11 | 1 15 | 4 37 | 16 32 | 23 28 | 23 31 | 7 52 | 10 7 | 0 40 |
| M29 | 15 32 | 23 23 | 1 25 | 23 20 | 2 27 | 11 44 | 1 4 | 22 13 | 1 49 | 20 3 | 0 31 | 17 22 | 2 11 | 20 31 | 0 35 | 6 10 | 1 15 | 4 38 | 16 32 | 23 28 | 23 31 | 7 55 | 10 10 | 0 40 |
| T 30 | 15 50 | 23 33 | 0 10 | 23 19 | 2 21 | 12 11 | 1 2 | 22 3 | 1 48 | 20 5 | 0 31 | 17 21 | 2 11 | 20 31 | 0 35 | 6 10 | 1 15 | 4 38 | 16 32 | 23 28 | 23 31 | 7 57 | 10 13 | 0 40 |
| W31 | 16s 8 | 22s17 | 1n 4 | 23s15 | 2s13 | 12s38 | 1n 0 | 21s52 | 1s47 | 20s 8 | 0n31 | 17n19 | 2s11 | 20n31 | 0n35 | 6n 9 | 1n15 | 4s38 | 16s32 | 23s28 | 23s31 | 8n 0 | 10s16 | 0s40 |

Julian Day Number = 2129315.5, Delta T = 16m47s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'26, Lahiri = 11°33'27 Julian Calendar 1 Oct. 1117 == Greg. Calendar 8 Oct. 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## NOVEMBER 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 5 36 | 15♏ 5'18 | 20♉27 | 4♐20 | 7♏15 | 1♒16 | 2♐ 6 | 26°R22 | 1°R23 | 17♍26 | 28°R 0 | 25♐24 | 26♐50 | 8♈34 | 24♎56 | T 1 |
| F 2 | 3 9 32 | 16° 5'59 | 3♒15 | 4°R22 | 8°31 | 1°59 | 2°19 | 26♉17 | 1♌23 | 17°27 | 27♈59 | 25°25 | 26°47 | 8°41 | 25° 4 | F 2 |
| S 3 | 3 13 29 | 17° 6'41 | 15°42 | 4°14 | 9°46 | 2°43 | 2°32 | 26°12 | 1°22 | 17°29 | 27°58 | 25°R26 | 26°44 | 8°47 | 25°12 | S 3 |
| S 4 | 3 17 25 | 18° 7'24 | 27°53 | 3°56 | 11° 2 | 3°26 | 2°46 | 26° 8 | 1°22 | 17°30 | 27°57 | 25°26 | 26°40 | 8°54 | 25°20 | S 4 |
| M 5 | 3 21 22 | 19° 8'08 | 9♓54 | 3°27 | 12°17 | 4°10 | 2°59 | 26° 3 | 1°22 | 17°31 | 27°56 | 25°23 | 26°37 | 9° 1 | 25°28 | M 5 |
| T 6 | 3 25 19 | 20° 8'54 | 21°48 | 2°47 | 13°33 | 4°53 | 3°13 | 25°58 | 1°22 | 17°33 | 27°55 | 25°20 | 26°34 | 9° 7 | 25°36 | T 6 |
| W 7 | 3 29 15 | 21° 9'40 | 3♈39 | 1°57 | 14°48 | 5°37 | 3°26 | 25°53 | 1°21 | 17°34 | 27°54 | 25°14 | 26°31 | 9°14 | 25°44 | W 7 |
| T 8 | 3 33 12 | 22°10'27 | 15°32 | 0°57 | 16° 4 | 6°21 | 3°40 | 25°48 | 1°21 | 17°35 | 27°53 | 25° 8 | 26°28 | 9°21 | 25°52 | T 8 |
| F 9 | 3 37 8 | 23°11'16 | 27°29 | 29♏48 | 17°19 | 7° 4 | 3°53 | 25°43 | 1°20 | 17°36 | 27°52 | 25° 2 | 26°25 | 9°28 | 26° 0 | F 9 |
| S 10 | 3 41 5 | 24°12'06 | 9♉31 | 28°32 | 18°35 | 7°48 | 4° 7 | 25°38 | 1°20 | 17°37 | 27°51 | 24°56 | 26°21 | 9°34 | 26° 8 | S 10 |
| S 11 | 3 45 1 | 25°12'57 | 21°42 | 27°12 | 19°50 | 8°32 | 4°20 | 25°33 | 1°19 | 17°38 | 27°50 | 24°52 | 26°18 | 9°41 | 26°16 | S 11 |
| M12 | 3 48 58 | 26°13'49 | 4♊ 1 | 25°49 | 21° 6 | 9°16 | 4°34 | 25°28 | 1°19 | 17°39 | 27°49 | 24°48 | 26°15 | 9°48 | 26°24 | M12 |
| T 13 | 3 52 54 | 27°14'42 | 16°31 | 24°27 | 22°21 | 10° 0 | 4°47 | 25°23 | 1°18 | 17°40 | 27°48 | 24°47 | 26°12 | 9°54 | 26°32 | T 13 |
| W14 | 3 56 51 | 28°15'37 | 29°11 | 23° 9 | 23°37 | 10°43 | 5° 1 | 25°18 | 1°17 | 17°41 | 27°47 | 24°D47 | 26° 9 | 10° 1 | 26°39 | W14 |
| T 15 | 4 0 48 | 29°16'32 | 12♋ 3 | 21°56 | 24°52 | 11°27 | 5°14 | 25°13 | 1°17 | 17°42 | 27°46 | 24°47 | 26° 5 | 10° 8 | 26°47 | T 15 |
| F 16 | 4 4 44 | 0♐17'29 | 25° 9 | 20°52 | 26° 8 | 12°11 | 5°28 | 25° 8 | 1°16 | 17°43 | 27°45 | 24°49 | 26° 2 | 10°15 | 26°55 | F 16 |
| S 17 | 4 8 41 | 1°18'28 | 8♌29 | 19°57 | 27°23 | 12°55 | 5°42 | 25° 3 | 1°15 | 17°44 | 27°44 | 24°51 | 25°59 | 10°21 | 27° 2 | S 17 |
| S 18 | 4 12 37 | 2°19'27 | 22° 5 | 19°13 | 28°39 | 13°39 | 5°55 | 24°58 | 1°14 | 17°45 | 27°43 | 24°52 | 25°56 | 10°28 | 27°10 | S 18 |
| M19 | 4 16 34 | 3°20'28 | 5♍57 | 18°40 | 29°55 | 14°23 | 6° 9 | 24°54 | 1°13 | 17°46 | 27°42 | 24°R52 | 25°53 | 10°35 | 27°17 | M19 |
| T 20 | 4 20 30 | 4°21'29 | 20° 6 | 18°19 | 1♐10 | 15° 7 | 6°22 | 24°49 | 1°12 | 17°47 | 27°41 | 24°51 | 25°50 | 10°42 | 27°25 | T 20 |
| W21 | 4 24 27 | 5°22'32 | 4♎29 | 18°D 9 | 2°26 | 15°51 | 6°36 | 24°44 | 1°11 | 17°48 | 27°41 | 24°50 | 25°46 | 10°48 | 27°32 | W21 |
| T 22 | 4 28 23 | 6°23'37 | 19° 4 | 18° 9 | 3°41 | 16°35 | 6°50 | 24°39 | 1°10 | 17°48 | 27°40 | 24°47 | 25°43 | 10°55 | 27°39 | T 22 |
| F 23 | 4 32 20 | 7°24'42 | 3♏45 | 18°19 | 4°57 | 17°19 | 7° 3 | 24°34 | 1° 9 | 17°49 | 27°39 | 24°45 | 25°40 | 11° 2 | 27°47 | F 23 |
| S 24 | 4 36 17 | 8°25'48 | 18°26 | 18°38 | 6°12 | 18° 3 | 7°17 | 24°30 | 1° 7 | 17°50 | 27°38 | 24°43 | 25°37 | 11° 8 | 27°54 | S 24 |
| S 25 | 4 40 13 | 9°26'55 | 3♐ 0 | 19° 6 | 7°28 | 18°47 | 7°31 | 24°25 | 1° 6 | 17°51 | 27°37 | 24°41 | 25°34 | 11°15 | 28° 1 | S 25 |
| M26 | 4 44 10 | 10°28'03 | 17°20 | 19°40 | 8°43 | 19°31 | 7°44 | 24°20 | 1° 5 | 17°51 | 27°36 | 24°40 | 25°31 | 11°22 | 28° 8 | M26 |
| T 27 | 4 48 6 | 11°29'11 | 1♑21 | 20°22 | 9°59 | 20°16 | 7°58 | 24°16 | 1° 3 | 17°52 | 27°36 | 24°D40 | 25°27 | 11°29 | 28°15 | T 27 |
| W28 | 4 52 3 | 12°30'20 | 15° 1 | 21° 9 | 11°15 | 21° 0 | 8°12 | 24°11 | 1° 2 | 17°52 | 27°35 | 24°41 | 25°24 | 11°35 | 28°22 | W28 |
| T 29 | 4 55 59 | 13°31'30 | 28°16 | 22° 1 | 12°30 | 21°44 | 8°25 | 24° 6 | 1° 0 | 17°53 | 27°34 | 24°42 | 25°21 | 11°42 | 28°29 | T 29 |
| F 30 | 4 59 56 | 14♐32'39 | 11♒ 9 | 22♏58 | 13♐46 | 22♒28 | 8♐39 | 24♉ 2 | 0♌59 | 17♍53 | 27♈33 | 24♐43 | 25♐18 | 11♈49 | 28♎36 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s26 | 19s49 | 2n12 | 23s 8 | 2s 4 | 13s 5 | 0n59 | 21s41 | 1s46 | 20s11 | 0n31 | 17n18 | 2s11 | 20n31 | 0n35 | 6n 9 | 1n16 | 4s39 | 16s32 | 23s28 | 23s31 | 8n 2 | 10s19 | 0s40 |
| F 2 | 16 44 | 16 25 | 3 11 | 22 58 | 1 53 | 13 31 | 0 57 | 21 30 | 1 44 | 20 14 | 0 30 | 17 17 | 2 11 | 20 31 | 0 35 | 6 8 | 1 16 | 4 39 | 16 32 | 23 28 | 23 31 | 8 5 | 10 21 | 0 39 |
| S 3 | 17 1 | 12 23 | 4 0 | 22 45 | 1 41 | 13 57 | 0 55 | 21 19 | 1 43 | 20 16 | 0 30 | 17 16 | 2 11 | 20 31 | 0 35 | 6 8 | 1 16 | 4 39 | 16 31 | 23 28 | 23 31 | 8 7 | 10 24 | 0 39 |
| S 4 | 17 19 | 7 57 | 4 36 | 22 28 | 1 27 | 14 22 | 0 53 | 21 8 | 1 42 | 20 19 | 0 30 | 17 15 | 2 11 | 20 32 | 0 35 | 6 7 | 1 16 | 4 39 | 16 31 | 23 28 | 23 31 | 8 10 | 10 27 | 0 39 |
| M 5 | 17 35 | 3 16 | 5 0 | 22 7 | 1 12 | 14 47 | 0 51 | 20 56 | 1 41 | 20 22 | 0 30 | 17 14 | 2 11 | 20 32 | 0 36 | 6 7 | 1 16 | 4 39 | 16 31 | 23 28 | 23 31 | 8 12 | 10 30 | 0 39 |
| T 6 | 17 52 | 1n29 | 5 10 | 21 43 | 0 55 | 15 12 | 0 49 | 20 44 | 1 39 | 20 24 | 0 30 | 17 13 | 2 11 | 20 32 | 0 36 | 6 6 | 1 16 | 4 40 | 16 31 | 23 28 | 23 31 | 8 15 | 10 32 | 0 38 |
| W 7 | 18 8 | 6 10 | 5 8 | 21 15 | 0 37 | 15 37 | 0 47 | 20 32 | 1 38 | 20 27 | 0 30 | 17 12 | 2 11 | 20 32 | 0 36 | 6 6 | 1 16 | 4 40 | 16 31 | 23 28 | 23 30 | 8 17 | 10 35 | 0 38 |
| T 8 | 18 24 | 10 37 | 4 52 | 20 44 | 0 18 | 16 1 | 0 45 | 20 20 | 1 37 | 20 30 | 0 30 | 17 11 | 2 11 | 20 32 | 0 36 | 6 6 | 1 16 | 4 40 | 16 31 | 23 28 | 23 30 | 8 20 | 10 38 | 0 38 |
| F 9 | 18 39 | 14 43 | 4 23 | 20 10 | 0n 2 | 16 24 | 0 43 | 20 8 | 1 36 | 20 32 | 0 30 | 17 9 | 2 11 | 20 32 | 0 36 | 6 5 | 1 16 | 4 40 | 16 31 | 23 28 | 23 30 | 8 22 | 10 40 | 0 38 |
| S 10 | 18 55 | 18 15 | 3 42 | 19 34 | 0 23 | 16 47 | 0 41 | 19 55 | 1 34 | 20 35 | 0 30 | 17 8 | 2 11 | 20 32 | 0 36 | 6 5 | 1 16 | 4 40 | 16 30 | 23 27 | 23 30 | 8 25 | 10 43 | 0 37 |
| S 11 | 19 10 | 21 2 | 2 51 | 18 56 | 0 43 | 17 10 | 0 38 | 19 43 | 1 33 | 20 38 | 0 29 | 17 7 | 2 11 | 20 32 | 0 36 | 6 4 | 1 16 | 4 41 | 16 30 | 23 27 | 23 30 | 8 27 | 10 46 | 0 37 |
| M12 | 19 24 | 22 53 | 1 51 | 18 17 | 1 3 | 17 32 | 0 36 | 19 30 | 1 32 | 20 40 | 0 29 | 17 6 | 2 11 | 20 33 | 0 36 | 6 4 | 1 16 | 4 41 | 16 30 | 23 27 | 23 30 | 8 30 | 10 48 | 0 37 |
| T 13 | 19 38 | 23 37 | 0 45 | 17 39 | 1 22 | 17 54 | 0 34 | 19 17 | 1 31 | 20 43 | 0 29 | 17 5 | 2 11 | 20 33 | 0 36 | 6 4 | 1 16 | 4 41 | 16 30 | 23 27 | 23 30 | 8 32 | 10 51 | 0 37 |
| W14 | 19 52 | 23 9 | 0s24 | 17 2 | 1 40 | 18 15 | 0 32 | 19 4 | 1 29 | 20 45 | 0 29 | 17 4 | 2 11 | 20 33 | 0 36 | 6 3 | 1 16 | 4 41 | 16 30 | 23 27 | 23 30 | 8 34 | 10 54 | 0 36 |
| T 15 | 20 5 | 21 27 | 1 34 | 16 29 | 1 55 | 18 36 | 0 29 | 18 50 | 1 28 | 20 48 | 0 29 | 17 3 | 2 11 | 20 33 | 0 36 | 6 3 | 1 16 | 4 41 | 16 29 | 23 27 | 23 30 | 8 37 | 10 56 | 0 36 |
| F 16 | 20 19 | 18 36 | 2 39 | 15 59 | 2 9 | 18 56 | 0 27 | 18 37 | 1 27 | 20 50 | 0 29 | 17 2 | 2 10 | 20 33 | 0 36 | 6 3 | 1 16 | 4 41 | 16 29 | 23 27 | 23 30 | 8 39 | 10 59 | 0 36 |
| S 17 | 20 31 | 14 43 | 3 38 | 15 34 | 2 20 | 19 16 | 0 25 | 18 23 | 1 26 | 20 53 | 0 29 | 17 1 | 2 10 | 20 34 | 0 36 | 6 2 | 1 16 | 4 41 | 16 29 | 23 27 | 23 30 | 8 42 | 11 1 | 0 36 |
| S 18 | 20 44 | 10 2 | 4 25 | 15 13 | 2 29 | 19 35 | 0 23 | 18 9 | 1 24 | 20 55 | 0 29 | 17 0 | 2 10 | 20 34 | 0 36 | 6 2 | 1 16 | 4 42 | 16 29 | 23 27 | 23 29 | 8 44 | 11 4 | 0 35 |
| M19 | 20 55 | 4 45 | 4 58 | 14 57 | 2 37 | 19 54 | 0 20 | 17 55 | 1 23 | 20 58 | 0 29 | 16 59 | 2 10 | 20 34 | 0 36 | 6 2 | 1 16 | 4 42 | 16 29 | 23 27 | 23 29 | 8 47 | 11 6 | 0 35 |
| T 20 | 21 7 | 0s52 | 5 14 | 14 47 | 2 41 | 20 12 | 0 18 | 17 41 | 1 22 | 21 0 | 0 29 | 16 58 | 2 10 | 20 34 | 0 36 | 6 1 | 1 16 | 4 42 | 16 28 | 23 27 | 23 29 | 8 49 | 11 9 | 0 35 |
| W21 | 21 18 | 6 32 | 5 11 | 14 41 | 2 45 | 20 30 | 0 16 | 17 27 | 1 21 | 21 3 | 0 29 | 16 56 | 2 10 | 20 35 | 0 36 | 6 1 | 1 16 | 4 42 | 16 28 | 23 27 | 23 29 | 8 52 | 11 11 | 0 35 |
| T 22 | 21 29 | 11 55 | 4 48 | 14 40 | 2 46 | 20 46 | 0 13 | 17 12 | 1 20 | 21 5 | 0 28 | 16 55 | 2 10 | 20 35 | 0 36 | 6 1 | 1 17 | 4 42 | 16 28 | 23 27 | 23 29 | 8 54 | 11 14 | 0 35 |
| F 23 | 21 39 | 16 40 | 4 5 | 14 42 | 2 46 | 21 3 | 0 11 | 16 58 | 1 18 | 21 7 | 0 28 | 16 54 | 2 10 | 20 35 | 0 36 | 6 1 | 1 17 | 4 42 | 16 28 | 23 27 | 23 29 | 8 57 | 11 16 | 0 34 |
| S 24 | 21 49 | 20 23 | 3 7 | 14 49 | 2 44 | 21 19 | 0 8 | 16 43 | 1 17 | 21 10 | 0 28 | 16 53 | 2 10 | 20 36 | 0 36 | 6 0 | 1 17 | 4 42 | 16 27 | 23 27 | 23 29 | 8 59 | 11 18 | 0 34 |
| S 25 | 21 58 | 22 46 | 1 57 | 14 59 | 2 42 | 21 34 | 0 6 | 16 28 | 1 16 | 21 12 | 0 28 | 16 52 | 2 9 | 20 36 | 0 36 | 6 0 | 1 17 | 4 42 | 16 27 | 23 27 | 23 29 | 9 1 | 11 21 | 0 34 |
| M26 | 22 7 | 23 37 | 0 40 | 15 12 | 2 38 | 21 48 | 0 4 | 16 13 | 1 15 | 21 15 | 0 28 | 16 51 | 2 9 | 20 36 | 0 36 | 6 0 | 1 17 | 4 42 | 16 27 | 23 27 | 23 29 | 9 4 | 11 23 | 0 34 |
| T 27 | 22 16 | 22 56 | 0n37 | 15 27 | 2 34 | 22 2 | 0 1 | 15 58 | 1 14 | 21 17 | 0 28 | 16 50 | 2 9 | 20 37 | 0 36 | 6 0 | 1 17 | 4 42 | 16 27 | 23 27 | 23 28 | 9 6 | 11 25 | 0 33 |
| W28 | 22 24 | 20 53 | 1 50 | 15 44 | 2 29 | 22 15 | 0s 1 | 15 43 | 1 12 | 21 19 | 0 28 | 16 49 | 2 9 | 20 37 | 0 36 | 6 0 | 1 17 | 4 42 | 16 26 | 23 27 | 23 28 | 9 9 | 11 28 | 0 33 |
| T 29 | 22 32 | 17 44 | 2 56 | 16 4 | 2 23 | 22 28 | 0 4 | 15 27 | 1 11 | 21 21 | 0 28 | 16 48 | 2 9 | 20 37 | 0 36 | 5 59 | 1 17 | 4 42 | 16 26 | 23 27 | 23 28 | 9 11 | 11 30 | 0 33 |
| F 30 | 22s39 | 13s50 | 3n50 | 16s24 | 2n17 | 22s40 | 0s 6 | 15s12 | 1s10 | 21s24 | 0n28 | 16n48 | 2s 9 | 20n38 | 0n36 | 5n59 | 1n17 | 4s42 | 16s26 | 23s27 | 23s28 | 9n14 | 11s32 | 0s33 |

Julian Day Number = 2129346.5, Delta T = 16m47s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'30, Lahiri = 11°33'31 Julian Calendar 1 Nov. 1117 == Greg. Calendar 8 Nov. 1117


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# ASTRODIENST EPHEMERIS for the year 1117
# geocentric

## DECEMBER 1117 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 3 52 | 15♐33'49 | 23♒41 | 23♏59 | 15♐ 1 | 23♒12 | 8♐52 | 23°R58 | 0°R57 | 17♍54 | 27°R33 | 24♐44 | 25♐15 | 11♈55 | 28♎43 | S 1 |
| S 2 | 5 7 49 | 16°34'59 | 5♓56 | 25° 3 | 16°17 | 23°56 | 9° 6 | 23♉53 | 0♌56 | 17°54 | 27♈32 | 24°44 | 25°11 | 12° 2 | 28°50 | S 2 |
| M 3 | 5 11 46 | 17°36'09 | 17°59 | 26°11 | 17°32 | 24°41 | 9°20 | 23°49 | 0°54 | 17°55 | 27°31 | 24°R45 | 25° 8 | 12° 9 | 28°56 | M 3 |
| T 4 | 5 15 42 | 18°37'20 | 29°54 | 27°21 | 18°48 | 25°25 | 9°33 | 23°45 | 0°52 | 17°55 | 27°31 | 24°44 | 25° 5 | 12°16 | 29° 3 | T 4 |
| W 5 | 5 19 39 | 19°38'30 | 11♈46 | 28°33 | 20° 3 | 26° 9 | 9°47 | 23°40 | 0°51 | 17°55 | 27°30 | 24°44 | 25° 2 | 12°22 | 29°10 | W 5 |
| T 6 | 5 23 35 | 20°39'40 | 23°39 | 29°48 | 21°19 | 26°53 | 10° 0 | 23°36 | 0°49 | 17°56 | 27°29 | 24°44 | 24°59 | 12°29 | 29°16 | T 6 |
| F 7 | 5 27 32 | 21°40'51 | 5♉38 | 1♐ 4 | 22°34 | 27°37 | 10°14 | 23°32 | 0°47 | 17°56 | 27°29 | 24°43 | 24°56 | 12°36 | 29°22 | F 7 |
| S 8 | 5 31 28 | 22°42'01 | 17°46 | 2°22 | 23°50 | 28°21 | 10°27 | 23°28 | 0°45 | 17°56 | 27°28 | 24°43 | 24°52 | 12°42 | 29°29 | S 8 |
| S 9 | 5 35 25 | 23°43'12 | 0♊ 5 | 3°42 | 25° 5 | 29° 6 | 10°41 | 23°24 | 0°43 | 17°56 | 27°28 | 24°43 | 24°49 | 12°49 | 29°35 | S 9 |
| M10 | 5 39 21 | 24°44'23 | 12°38 | 5° 3 | 26°21 | 29°50 | 10°54 | 23°20 | 0°41 | 17°56 | 27°27 | 24°D42 | 24°46 | 12°56 | 29°41 | M10 |
| T 11 | 5 43 18 | 25°45'34 | 25°25 | 6°24 | 27°36 | 0♓34 | 11° 8 | 23°17 | 0°39 | 17°56 | 27°27 | 24°R43 | 24°43 | 13° 3 | 29°47 | T 11 |
| W12 | 5 47 15 | 26°46'45 | 8♋28 | 7°47 | 28°52 | 1°18 | 11°21 | 23°13 | 0°37 | 17°56 | 27°26 | 24°42 | 24°40 | 13° 9 | 29°53 | W12 |
| T 13 | 5 51 11 | 27°47'56 | 21°45 | 9°11 | 0♑ 7 | 2° 2 | 11°35 | 23° 9 | 0°35 | 17°57 | 27°26 | 24°42 | 24°37 | 13°16 | 29°59 | T 13 |
| F 14 | 5 55 8 | 28°49'07 | 5♌15 | 10°36 | 1°23 | 2°46 | 11°48 | 23° 6 | 0°33 | 17°R57 | 27°25 | 24°42 | 24°33 | 13°23 | 0♏ 5 | F 14 |
| S 15 | 5 59 4 | 29°50'18 | 18°57 | 12° 2 | 2°38 | 3°30 | 12° 1 | 23° 2 | 0°31 | 17°56 | 27°25 | 24°41 | 24°30 | 13°29 | 0°11 | S 15 |
| S 16 | 6 3 1 | 0♑51'29 | 2♍49 | 13°28 | 3°54 | 4°14 | 12°15 | 22°59 | 0°29 | 17°56 | 27°24 | 24°41 | 24°27 | 13°36 | 0°17 | S 16 |
| M17 | 6 6 57 | 1°52'40 | 16°50 | 14°55 | 5° 9 | 4°59 | 12°28 | 22°56 | 0°27 | 17°56 | 27°24 | 24°40 | 24°24 | 13°43 | 0°22 | M17 |
| T 18 | 6 10 54 | 2°53'52 | 0♎57 | 16°23 | 6°25 | 5°43 | 12°41 | 22°52 | 0°25 | 17°56 | 27°23 | 24°D40 | 24°21 | 13°50 | 0°28 | T 18 |
| W19 | 6 14 51 | 3°55'04 | 15° 8 | 17°51 | 7°40 | 6°27 | 12°55 | 22°49 | 0°22 | 17°56 | 27°23 | 24°40 | 24°17 | 13°56 | 0°33 | W19 |
| T 20 | 6 18 47 | 4°56'15 | 29°22 | 19°20 | 8°55 | 7°11 | 13° 8 | 22°46 | 0°20 | 17°56 | 27°23 | 24°41 | 24°14 | 14° 3 | 0°39 | T 20 |
| F 21 | 6 22 44 | 5°57'27 | 13♏36 | 20°49 | 10°11 | 7°55 | 13°21 | 22°43 | 0°18 | 17°56 | 27°22 | 24°42 | 24°11 | 14°10 | 0°44 | F 21 |
| S 22 | 6 26 40 | 6°58'39 | 27°47 | 22°19 | 11°26 | 8°39 | 13°34 | 22°40 | 0°15 | 17°55 | 27°22 | 24°43 | 24° 8 | 14°16 | 0°49 | S 22 |
| S 23 | 6 30 37 | 7°59'51 | 11♐51 | 23°49 | 12°42 | 9°23 | 13°47 | 22°38 | 0°13 | 17°55 | 27°22 | 24°43 | 24° 5 | 14°23 | 0°54 | S 23 |
| M24 | 6 34 33 | 9° 1'02 | 25°46 | 25°20 | 13°57 | 10° 7 | 14° 0 | 22°35 | 0°11 | 17°55 | 27°21 | 24°R44 | 24° 2 | 14°30 | 0°59 | M24 |
| T 25 | 6 38 30 | 10° 2'13 | 9♑28 | 26°51 | 15°13 | 10°51 | 14°13 | 22°33 | 0° 8 | 17°54 | 27°21 | 24°43 | 23°58 | 14°37 | 1° 4 | T 25 |
| W26 | 6 42 26 | 11° 3'24 | 22°54 | 28°23 | 16°28 | 11°35 | 14°26 | 22°30 | 0° 6 | 17°54 | 27°21 | 24°42 | 23°55 | 14°43 | 1° 9 | W26 |
| T 27 | 6 46 23 | 12° 4'34 | 6♒ 2 | 29°56 | 17°43 | 12°19 | 14°39 | 22°28 | 0° 3 | 17°54 | 27°21 | 24°40 | 23°52 | 14°50 | 1°14 | T 27 |
| F 28 | 6 50 20 | 13° 5'43 | 18°52 | 1♑29 | 18°59 | 13° 3 | 14°52 | 22°26 | 0° 1 | 17°53 | 27°21 | 24°37 | 23°49 | 14°57 | 1°19 | F 28 |
| S 29 | 6 54 16 | 14° 6'52 | 1♓25 | 3° 2 | 20°14 | 13°47 | 15° 5 | 22°23 | 29♋58 | 17°53 | 27°20 | 24°34 | 23°46 | 15° 3 | 1°23 | S 29 |
| S 30 | 6 58 13 | 15° 7'59 | 13°42 | 4°36 | 21°30 | 14°31 | 15°18 | 22°21 | 29°56 | 17°52 | 27°20 | 24°31 | 23°43 | 15°10 | 1°28 | S 30 |
| M31 | 7 2 9 | 16♑ 9'06 | 25♓47 | 6♑10 | 22♑45 | 15♓15 | 15♐30 | 22♉19 | 29♋53 | 17♍51 | 27♈20 | 24♐28 | 23♐39 | 15♈17 | 1♏32 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s46 | 9s25 | 4n32 | 16s46 | 2n10 | 22s51 | 0s 8 | 14s56 | 1s 9 | 21s26 | 0n28 | 16n47 | 2s 8 | 20n38 | 0n36 | 5n59 | 1n17 | 4s42 | 16s26 | 23s27 | 23s28 | 9n16 | 11s34 | 0s32 |
| S 2 | 22 52 | 4 43 | 5 0 | 17 8 | 2 3 | 23 1 | 0 11 | 14 40 | 1 8 | 21 28 | 0 28 | 16 46 | 2 8 | 20 38 | 0 36 | 5 59 | 1 17 | 4 42 | 16 25 | 23 27 | 23 28 | 9 18 | 11 37 | 0 32 |
| M 3 | 22 58 | 0n 4 | 5 15 | 17 31 | 1 56 | 23 11 | 0 13 | 14 24 | 1 6 | 21 30 | 0 28 | 16 45 | 2 8 | 20 39 | 0 37 | 5 59 | 1 17 | 4 42 | 16 25 | 23 27 | 23 28 | 9 21 | 11 39 | 0 32 |
| T 4 | 23 4 | 4 47 | 5 16 | 17 54 | 1 48 | 23 20 | 0 15 | 14 8 | 1 5 | 21 32 | 0 27 | 16 44 | 2 8 | 20 39 | 0 37 | 5 59 | 1 17 | 4 42 | 16 25 | 23 27 | 23 28 | 9 23 | 11 41 | 0 32 |
| W 5 | 23 9 | 9 19 | 5 3 | 18 18 | 1 40 | 23 28 | 0 18 | 13 52 | 1 4 | 21 34 | 0 27 | 16 43 | 2 8 | 20 40 | 0 37 | 5 59 | 1 17 | 4 42 | 16 25 | 23 27 | 23 28 | 9 26 | 11 43 | 0 31 |
| T 6 | 23 13 | 13 31 | 4 38 | 18 42 | 1 33 | 23 36 | 0 20 | 13 36 | 1 3 | 21 36 | 0 27 | 16 42 | 2 8 | 20 40 | 0 37 | 5 59 | 1 17 | 4 42 | 16 24 | 23 27 | 23 27 | 9 28 | 11 45 | 0 31 |
| F 7 | 23 17 | 17 14 | 4 0 | 19 5 | 1 25 | 23 43 | 0 22 | 13 19 | 1 2 | 21 38 | 0 27 | 16 41 | 2 7 | 20 40 | 0 37 | 5 59 | 1 17 | 4 42 | 16 24 | 23 27 | 23 27 | 9 30 | 11 47 | 0 31 |
| S 8 | 23 21 | 20 16 | 3 11 | 19 29 | 1 17 | 23 49 | 0 25 | 13 3 | 1 1 | 21 40 | 0 27 | 16 41 | 2 7 | 20 41 | 0 37 | 5 59 | 1 17 | 4 42 | 16 24 | 23 27 | 23 27 | 9 33 | 11 49 | 0 31 |
| S 9 | 23 24 | 22 25 | 2 12 | 19 52 | 1 9 | 23 55 | 0 27 | 12 46 | 1 0 | 21 42 | 0 27 | 16 40 | 2 7 | 20 41 | 0 37 | 5 59 | 1 17 | 4 42 | 16 23 | 23 27 | 23 27 | 9 35 | 11 51 | 0 31 |
| M10 | 23 27 | 23 31 | 1 7 | 20 15 | 1 1 | 23 59 | 0 29 | 12 30 | 0 58 | 21 44 | 0 27 | 16 39 | 2 7 | 20 42 | 0 37 | 5 59 | 1 17 | 4 42 | 16 23 | 23 27 | 23 27 | 9 38 | 11 53 | 0 30 |
| T 11 | 23 29 | 23 24 | 0s 4 | 20 37 | 0 53 | 24 3 | 0 31 | 12 13 | 0 57 | 21 46 | 0 27 | 16 38 | 2 7 | 20 42 | 0 37 | 5 59 | 1 18 | 4 42 | 16 23 | 23 27 | 23 27 | 9 40 | 11 55 | 0 30 |
| W12 | 23 31 | 22 1 | 1 16 | 20 59 | 0 45 | 24 7 | 0 34 | 11 56 | 0 56 | 21 48 | 0 27 | 16 38 | 2 6 | 20 43 | 0 37 | 5 59 | 1 18 | 4 41 | 16 22 | 23 27 | 23 27 | 9 42 | 11 57 | 0 30 |
| T 13 | 23 32 | 19 25 | 2 24 | 21 20 | 0 37 | 24 9 | 0 36 | 11 39 | 0 55 | 21 50 | 0 27 | 16 37 | 2 6 | 20 43 | 0 37 | 5 59 | 1 18 | 4 41 | 16 22 | 23 27 | 23 27 | 9 45 | 11 59 | 0 30 |
| F 14 | 23 33 | 15 42 | 3 26 | 21 40 | 0 29 | 24 11 | 0 38 | 11 22 | 0 54 | 21 52 | 0 27 | 16 36 | 2 6 | 20 44 | 0 37 | 5 59 | 1 18 | 4 41 | 16 22 | 23 27 | 23 26 | 9 47 | 12 1 | 0 29 |
| S 15 | 23 33 | 11 8 | 4 18 | 22 0 | 0 21 | 24 12 | 0 40 | 11 5 | 0 53 | 21 54 | 0 27 | 16 36 | 2 6 | 20 44 | 0 37 | 5 59 | 1 18 | 4 41 | 16 21 | 23 27 | 23 26 | 9 50 | 12 3 | 0 29 |
| S 16 | 23 33 | 5 56 | 4 54 | 22 18 | 0 13 | 24 12 | 0 42 | 10 48 | 0 52 | 21 56 | 0 27 | 16 35 | 2 5 | 20 45 | 0 37 | 5 59 | 1 18 | 4 41 | 16 21 | 23 27 | 23 26 | 9 52 | 12 5 | 0 29 |
| M17 | 23 32 | 0 24 | 5 14 | 22 36 | 0 6 | 24 12 | 0 44 | 10 31 | 0 51 | 21 58 | 0 27 | 16 34 | 2 5 | 20 45 | 0 37 | 5 59 | 1 18 | 4 41 | 16 21 | 23 27 | 23 26 | 9 54 | 12 6 | 0 29 |
| T 18 | 23 31 | 5s11 | 5 15 | 22 53 | 0s 2 | 24 10 | 0 46 | 10 14 | 0 49 | 21 59 | 0 26 | 16 34 | 2 5 | 20 46 | 0 37 | 5 59 | 1 18 | 4 41 | 16 20 | 23 27 | 23 26 | 9 57 | 12 8 | 0 28 |
| W19 | 23 30 | 10 33 | 4 57 | 23 9 | 0 9 | 24 8 | 0 48 | 9 56 | 0 48 | 22 1 | 0 26 | 16 33 | 2 5 | 20 46 | 0 37 | 5 59 | 1 18 | 4 40 | 16 20 | 23 27 | 23 26 | 9 59 | 12 10 | 0 28 |
| T 20 | 23 28 | 15 22 | 4 21 | 23 23 | 0 16 | 24 5 | 0 50 | 9 39 | 0 47 | 22 3 | 0 26 | 16 33 | 2 4 | 20 47 | 0 37 | 5 59 | 1 18 | 4 40 | 16 20 | 23 27 | 23 26 | 10 1 | 12 11 | 0 28 |
| F 21 | 23 25 | 19 19 | 3 29 | 23 37 | 0 23 | 24 2 | 0 52 | 9 21 | 0 46 | 22 5 | 0 26 | 16 32 | 2 4 | 20 47 | 0 37 | 5 59 | 1 18 | 4 40 | 16 19 | 23 27 | 23 25 | 10 4 | 12 13 | 0 28 |
| S 22 | 23 22 | 22 6 | 2 24 | 23 50 | 0 30 | 23 58 | 0 54 | 9 4 | 0 45 | 22 6 | 0 26 | 16 32 | 2 4 | 20 48 | 0 37 | 6 0 | 1 18 | 4 40 | 16 19 | 23 27 | 23 25 | 10 6 | 12 15 | 0 28 |
| S 23 | 23 19 | 23 29 | 1 11 | 24 1 | 0 37 | 23 53 | 0 56 | 8 46 | 0 44 | 22 8 | 0 26 | 16 31 | 2 4 | 20 48 | 0 37 | 6 0 | 1 18 | 4 40 | 16 19 | 23 27 | 23 25 | 10 8 | 12 16 | 0 27 |
| M24 | 23 15 | 23 23 | 0n 6 | 24 11 | 0 43 | 23 47 | 0 58 | 8 28 | 0 43 | 22 9 | 0 26 | 16 31 | 2 4 | 20 49 | 0 37 | 6 0 | 1 18 | 4 39 | 16 18 | 23 27 | 23 25 | 10 11 | 12 18 | 0 27 |
| T 25 | 23 10 | 21 52 | 1 21 | 24 20 | 0 50 | 23 40 | 1 0 | 8 11 | 0 42 | 22 11 | 0 26 | 16 30 | 2 3 | 20 49 | 0 37 | 6 0 | 1 18 | 4 39 | 16 18 | 23 27 | 23 25 | 10 13 | 12 19 | 0 27 |
| W26 | 23 5 | 19 9 | 2 29 | 24 28 | 0 56 | 23 33 | 1 2 | 7 53 | 0 41 | 22 13 | 0 26 | 16 30 | 2 3 | 20 50 | 0 37 | 6 0 | 1 18 | 4 39 | 16 18 | 23 27 | 23 25 | 10 15 | 12 21 | 0 27 |
| T 27 | 23 0 | 15 29 | 3 29 | 24 35 | 1 2 | 23 25 | 1 3 | 7 35 | 0 40 | 22 14 | 0 26 | 16 30 | 2 3 | 20 50 | 0 37 | 6 1 | 1 18 | 4 39 | 16 17 | 23 27 | 23 25 | 10 18 | 12 22 | 0 26 |
| F 28 | 22 54 | 11 11 | 4 16 | 24 40 | 1 7 | 23 16 | 1 5 | 7 17 | 0 39 | 22 16 | 0 26 | 16 29 | 2 2 | 20 51 | 0 37 | 6 1 | 1 18 | 4 38 | 16 17 | 23 27 | 23 24 | 10 20 | 12 24 | 0 26 |
| S 29 | 22 48 | 6 31 | 4 50 | 24 44 | 1 13 | 23 7 | 1 7 | 6 59 | 0 38 | 22 17 | 0 26 | 16 29 | 2 2 | 20 51 | 0 37 | 6 1 | 1 18 | 4 38 | 16 17 | 23 26 | 23 24 | 10 23 | 12 25 | 0 26 |
| S 30 | 22 41 | 1 41 | 5 9 | 24 47 | 1 18 | 22 57 | 1 8 | 6 41 | 0 37 | 22 19 | 0 26 | 16 29 | 2 2 | 20 52 | 0 37 | 6 1 | 1 19 | 4 38 | 16 16 | 23 26 | 23 24 | 10 25 | 12 26 | 0 26 |
| M31 | 22s34 | 3n 7 | 5n15 | 24s48 | 1s23 | 22s46 | 1s10 | 6s23 | 0s36 | 22s20 | 0n26 | 16n29 | 2s 2 | 20n53 | 0n37 | 6n 2 | 1n19 | 4s37 | 16s16 | 23s26 | 23s24 | 10n27 | 12s28 | 0s25 |

Julian Day Number = 2129376.5, Delta T = 16m47s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'34, Lahiri = 11°33'35 Julian Calendar 1 Dec. 1117 == Greg. Calendar 8 Dec. 1117


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## JANUARY 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 6 6 | 17♉10'12 | 7♈43 | 7♉45 | 24♉ 0 | 15♓58 | 15♐43 | 22°R18 | 29°R51 | 17°R51 | 27°R20 | 24°R27 | 23♐36 | 15♈24 | 1♏36 | T 1 |
| W 2 | 7 10 2 | 18°11'17 | 19°35 | 9°21 | 25°16 | 16°42 | 15°56 | 22♉16 | 29♋48 | 17♍50 | 27♈20 | 24°D27 | 23°33 | 15°30 | 1°40 | W 2 |
| T 3 | 7 13 59 | 19°12'21 | 1♉27 | 10°57 | 26°31 | 17°26 | 16° 8 | 22°14 | 29°46 | 17°50 | 27°20 | 24♐27 | 23°30 | 15°37 | 1°45 | T 3 |
| F 4 | 7 17 55 | 20°13'23 | 13°25 | 12°34 | 27°46 | 18°10 | 16°21 | 22°13 | 29°43 | 17°49 | 27°20 | 24°29 | 23°27 | 15°44 | 1°48 | F 4 |
| S 5 | 7 21 52 | 21°14'25 | 25°34 | 14°11 | 29° 2 | 18°54 | 16°33 | 22°11 | 29°41 | 17°48 | 27°D20 | 24°30 | 23°23 | 15°50 | 1°52 | S 5 |
| S 6 | 7 25 49 | 22°15'26 | 7♊57 | 15°49 | 0♒17 | 19°37 | 16°46 | 22°10 | 29°38 | 17°47 | 27°20 | 24°32 | 23°20 | 15°57 | 1°56 | S 6 |
| M 7 | 7 29 45 | 23°16'26 | 20°38 | 17°28 | 1°32 | 20°21 | 16°58 | 22° 9 | 29°36 | 17°47 | 27°20 | 24°R33 | 23°17 | 16° 4 | 2° 0 | M 7 |
| T 8 | 7 33 42 | 24°17'24 | 3♋40 | 19° 7 | 2°47 | 21° 5 | 17°10 | 22° 8 | 29°33 | 17°46 | 27°20 | 24°33 | 23°14 | 16°11 | 2° 3 | T 8 |
| W 9 | 7 37 38 | 25°18'22 | 17° 2 | 20°47 | 4° 3 | 21°49 | 17°22 | 22° 7 | 29°30 | 17°45 | 27°20 | 24°31 | 23°11 | 16°17 | 2° 7 | W 9 |
| T 10 | 7 41 35 | 26°19'18 | 0♌44 | 22°27 | 5°18 | 22°32 | 17°34 | 22° 6 | 29°28 | 17°44 | 27°20 | 24°28 | 23° 8 | 16°24 | 2°10 | T 10 |
| F 11 | 7 45 31 | 27°20'13 | 14°43 | 24° 9 | 6°33 | 23°16 | 17°47 | 22° 6 | 29°25 | 17°43 | 27°20 | 24°23 | 23° 4 | 16°31 | 2°13 | F 11 |
| S 12 | 7 49 28 | 28°21'07 | 28°55 | 25°51 | 7°48 | 23°59 | 17°59 | 22° 5 | 29°22 | 17°42 | 27°21 | 24°17 | 23° 1 | 16°37 | 2°17 | S 12 |
| S 13 | 7 53 24 | 29°22'01 | 13♍15 | 27°33 | 9° 3 | 24°43 | 18°10 | 22° 5 | 29°20 | 17°41 | 27°21 | 24°12 | 22°58 | 16°44 | 2°20 | S 13 |
| M14 | 7 57 21 | 0♒22'53 | 27°37 | 29°17 | 10°19 | 25°26 | 18°22 | 22° 4 | 29°17 | 17°40 | 27°21 | 24° 7 | 22°55 | 16°51 | 2°22 | M14 |
| T 15 | 8 1 18 | 1°23'44 | 11♎57 | 1♒ 1 | 11°34 | 26°10 | 18°34 | 22° 4 | 29°15 | 17°39 | 27°21 | 24° 4 | 22°52 | 16°58 | 2°25 | T 15 |
| W16 | 8 5 14 | 2°24'35 | 26°11 | 2°45 | 12°49 | 26°53 | 18°46 | 22° 4 | 29°12 | 17°38 | 27°21 | 24°D 2 | 22°48 | 17° 4 | 2°28 | W16 |
| T 17 | 8 9 11 | 3°25'25 | 10♏18 | 4°31 | 14° 4 | 27°37 | 18°57 | 22°D 4 | 29° 9 | 17°37 | 27°22 | 24° 2 | 22°45 | 17°11 | 2°31 | T 17 |
| F 18 | 8 13 7 | 4°26'13 | 24°15 | 6°17 | 15°19 | 28°20 | 19° 9 | 22° 4 | 29° 7 | 17°36 | 27°22 | 24° 4 | 22°42 | 17°18 | 2°33 | F 18 |
| S 19 | 8 17 4 | 5°27'01 | 8♐ 2 | 8° 4 | 16°34 | 29° 4 | 19°20 | 22° 4 | 29° 4 | 17°35 | 27°22 | 24° 5 | 22°39 | 17°24 | 2°35 | S 19 |
| S 20 | 8 21 0 | 6°27'48 | 21°39 | 9°52 | 17°49 | 29°47 | 19°32 | 22° 4 | 29° 2 | 17°34 | 27°23 | 24°R 6 | 22°36 | 17°31 | 2°38 | S 20 |
| M21 | 8 24 57 | 7°28'34 | 5♉ 6 | 11°40 | 19° 4 | 0♈30 | 19°43 | 22° 5 | 28°59 | 17°33 | 27°23 | 24° 5 | 22°33 | 17°38 | 2°40 | M21 |
| T 22 | 8 28 53 | 8°29'18 | 18°22 | 13°29 | 20°19 | 1°14 | 19°54 | 22° 5 | 28°56 | 17°32 | 27°23 | 24° 3 | 22°29 | 17°45 | 2°42 | T 22 |
| W23 | 8 32 50 | 9°30'01 | 1♒26 | 15°18 | 21°34 | 1°57 | 20° 6 | 22° 6 | 28°54 | 17°30 | 27°24 | 23°58 | 22°26 | 17°51 | 2°44 | W23 |
| T 24 | 8 36 47 | 10°30'43 | 14°18 | 17° 8 | 22°50 | 2°40 | 20°17 | 22° 7 | 28°51 | 17°29 | 27°24 | 23°51 | 22°23 | 17°58 | 2°46 | T 24 |
| F 25 | 8 40 43 | 11°31'23 | 26°57 | 18°58 | 24° 5 | 3°23 | 20°28 | 22° 8 | 28°49 | 17°28 | 27°24 | 23°42 | 22°20 | 18° 5 | 2°47 | F 25 |
| S 26 | 8 44 40 | 12°32'01 | 9♓23 | 20°48 | 25°20 | 4° 7 | 20°38 | 22° 9 | 28°46 | 17°27 | 27°25 | 23°33 | 22°17 | 18°11 | 2°49 | S 26 |
| S 27 | 8 48 36 | 13°32'38 | 21°37 | 22°38 | 26°34 | 4°50 | 20°49 | 22°10 | 28°44 | 17°25 | 27°25 | 23°23 | 22°14 | 18°18 | 2°50 | S 27 |
| M28 | 8 52 33 | 14°33'13 | 3♈40 | 24°28 | 27°49 | 5°33 | 21° 0 | 22°11 | 28°41 | 17°24 | 27°26 | 23°15 | 22°10 | 18°25 | 2°52 | M28 |
| T 29 | 8 56 29 | 15°33'46 | 15°35 | 26°18 | 29° 4 | 6°16 | 21°11 | 22°12 | 28°39 | 17°23 | 27°26 | 23° 8 | 22° 7 | 18°32 | 2°53 | T 29 |
| W30 | 9 0 26 | 16°34'17 | 27°26 | 28° 7 | 0♓19 | 6°59 | 21°21 | 22°14 | 28°36 | 17°21 | 27°27 | 23° 4 | 22° 4 | 18°38 | 2°54 | W30 |
| T 31 | 9 4 22 | 17♒34'47 | 9♉16 | 29♒55 | 1♓34 | 7♈42 | 21♐31 | 22♉15 | 28♋34 | 17♍20 | 27♈28 | 23♐ 1 | 22♐ 1 | 18♈45 | 2♏55 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s27 | 7n46 | 5n 6 | 24s47 | 1s28 | 22s35 | 1s11 | 6s 5 | 0s35 | 22s22 | 0n26 | 16n28 | 2s 1 | 20n53 | 0n37 | 6n 2 | 1n19 | 4s37 | 16s16 | 23s26 | 23s24 | 10n29 | 12s29 | 0s25 |
| W 2 | 22 19 | 12 5 | 4 45 | 24 46 | 1 33 | 22 22 | 1 12 | 5 47 | 0 34 | 22 23 | 0 26 | 16 28 | 2 1 | 20 54 | 0 37 | 6 2 | 1 19 | 4 37 | 16 15 | 23 26 | 23 24 | 10 32 | 12 30 | 0 25 |
| T 3 | 22 10 | 15 58 | 4 12 | 24 43 | 1 37 | 22 10 | 1 14 | 5 29 | 0 33 | 22 24 | 0 26 | 16 28 | 2 1 | 20 54 | 0 37 | 6 2 | 1 19 | 4 37 | 16 15 | 23 26 | 23 24 | 10 34 | 12 31 | 0 25 |
| F 4 | 22 1 | 19 14 | 3 27 | 24 38 | 1 41 | 21 56 | 1 15 | 5 11 | 0 32 | 22 26 | 0 25 | 16 28 | 2 1 | 20 55 | 0 37 | 6 3 | 1 19 | 4 36 | 16 15 | 23 26 | 23 23 | 10 36 | 12 32 | 0 24 |
| S 5 | 21 52 | 21 43 | 2 32 | 24 32 | 1 45 | 21 42 | 1 16 | 4 53 | 0 31 | 22 27 | 0 25 | 16 28 | 2 0 | 20 55 | 0 37 | 6 3 | 1 19 | 4 36 | 16 14 | 23 26 | 23 23 | 10 39 | 12 34 | 0 24 |
| S 6 | 21 42 | 23 13 | 1 30 | 24 24 | 1 48 | 21 27 | 1 18 | 4 35 | 0 30 | 22 28 | 0 25 | 16 28 | 2 0 | 20 56 | 0 37 | 6 3 | 1 19 | 4 36 | 16 14 | 23 26 | 23 23 | 10 41 | 12 35 | 0 24 |
| M 7 | 21 32 | 23 35 | 0 21 | 24 15 | 1 51 | 21 12 | 1 19 | 4 17 | 0 29 | 22 30 | 0 25 | 16 28 | 2 0 | 20 56 | 0 37 | 6 4 | 1 19 | 4 35 | 16 14 | 23 26 | 23 23 | 10 43 | 12 36 | 0 24 |
| T 8 | 21 22 | 22 40 | 0s50 | 24 4 | 1 54 | 20 55 | 1 20 | 3 58 | 0 28 | 22 31 | 0 25 | 16 28 | 2 0 | 20 57 | 0 37 | 6 4 | 1 19 | 4 35 | 16 13 | 23 26 | 23 23 | 10 46 | 12 37 | 0 23 |
| W 9 | 21 11 | 20 29 | 2 0 | 23 52 | 1 57 | 20 39 | 1 21 | 3 40 | 0 27 | 22 32 | 0 25 | 16 28 | 1 59 | 20 58 | 0 37 | 6 4 | 1 19 | 4 35 | 16 13 | 23 26 | 23 23 | 10 48 | 12 38 | 0 23 |
| T 10 | 20 59 | 17 5 | 3 5 | 23 37 | 1 59 | 20 21 | 1 22 | 3 22 | 0 26 | 22 33 | 0 25 | 16 28 | 1 59 | 20 58 | 0 37 | 6 5 | 1 19 | 4 34 | 16 13 | 23 26 | 23 22 | 10 50 | 12 39 | 0 23 |
| F 11 | 20 48 | 12 40 | 4 0 | 23 22 | 2 1 | 20 4 | 1 23 | 3 4 | 0 25 | 22 34 | 0 25 | 16 28 | 1 59 | 20 59 | 0 37 | 6 5 | 1 19 | 4 34 | 16 12 | 23 26 | 23 22 | 10 53 | 12 39 | 0 23 |
| S 12 | 20 35 | 7 31 | 4 41 | 23 4 | 2 2 | 19 45 | 1 24 | 2 46 | 0 24 | 22 35 | 0 25 | 16 28 | 1 58 | 20 59 | 0 37 | 6 6 | 1 19 | 4 33 | 16 12 | 23 26 | 23 22 | 10 55 | 12 40 | 0 22 |
| S 13 | 20 23 | 1 55 | 5 5 | 22 45 | 2 3 | 19 26 | 1 24 | 2 27 | 0 23 | 22 37 | 0 25 | 16 28 | 1 58 | 21 0 | 0 37 | 6 6 | 1 19 | 4 33 | 16 11 | 23 26 | 23 22 | 10 57 | 12 41 | 0 22 |
| M14 | 20 10 | 3s47 | 5 10 | 22 25 | 2 4 | 19 6 | 1 25 | 2 9 | 0 22 | 22 38 | 0 25 | 16 28 | 1 58 | 21 0 | 0 37 | 6 7 | 1 19 | 4 33 | 16 11 | 23 25 | 23 22 | 10 59 | 12 42 | 0 22 |
| T 15 | 19 57 | 9 17 | 4 56 | 22 2 | 2 4 | 18 46 | 1 26 | 1 51 | 0 21 | 22 39 | 0 25 | 16 29 | 1 58 | 21 1 | 0 37 | 6 7 | 1 19 | 4 32 | 16 11 | 23 25 | 23 22 | 11 2 | 12 43 | 0 22 |
| W16 | 19 43 | 14 15 | 4 24 | 21 38 | 2 3 | 18 26 | 1 26 | 1 33 | 0 20 | 22 40 | 0 25 | 16 29 | 1 57 | 21 1 | 0 37 | 6 7 | 1 19 | 4 32 | 16 10 | 23 25 | 23 21 | 11 4 | 12 43 | 0 21 |
| T 17 | 19 29 | 18 23 | 3 35 | 21 13 | 2 3 | 18 4 | 1 27 | 1 15 | 0 19 | 22 41 | 0 25 | 16 29 | 1 57 | 21 2 | 0 37 | 6 8 | 1 19 | 4 31 | 16 10 | 23 25 | 23 21 | 11 6 | 12 44 | 0 21 |
| F 18 | 19 15 | 21 25 | 2 35 | 20 45 | 2 2 | 17 43 | 1 27 | 0 56 | 0 18 | 22 42 | 0 25 | 16 29 | 1 57 | 21 3 | 0 37 | 6 8 | 1 19 | 4 31 | 16 10 | 23 25 | 23 21 | 11 8 | 12 45 | 0 21 |
| S 19 | 19 0 | 23 10 | 1 26 | 20 16 | 2 0 | 17 20 | 1 28 | 0 38 | 0 17 | 22 43 | 0 25 | 16 30 | 1 56 | 21 3 | 0 37 | 6 9 | 1 19 | 4 31 | 16 9 | 23 25 | 23 21 | 11 11 | 12 45 | 0 21 |
| S 20 | 18 45 | 23 31 | 0 13 | 19 45 | 1 58 | 16 58 | 1 28 | 0 20 | 0 16 | 22 44 | 0 25 | 16 30 | 1 56 | 21 4 | 0 37 | 6 9 | 1 19 | 4 30 | 16 9 | 23 25 | 23 21 | 11 13 | 12 46 | 0 20 |
| M21 | 18 29 | 22 28 | 0n59 | 19 12 | 1 55 | 16 35 | 1 28 | 0 2 | 0 15 | 22 45 | 0 25 | 16 31 | 1 56 | 21 4 | 0 37 | 6 10 | 1 19 | 4 30 | 16 9 | 23 25 | 23 21 | 11 15 | 12 46 | 0 20 |
| T 22 | 18 14 | 20 11 | 2 7 | 18 38 | 1 52 | 16 11 | 1 29 | 0n16 | 0 14 | 22 46 | 0 25 | 16 31 | 1 56 | 21 5 | 0 37 | 6 10 | 1 20 | 4 29 | 16 8 | 23 25 | 23 20 | 11 17 | 12 47 | 0 20 |
| W23 | 17 58 | 16 53 | 3 8 | 18 2 | 1 48 | 15 47 | 1 29 | 0 34 | 0 13 | 22 46 | 0 24 | 16 31 | 1 55 | 21 5 | 0 37 | 6 11 | 1 20 | 4 29 | 16 8 | 23 25 | 23 20 | 11 20 | 12 47 | 0 20 |
| T 24 | 17 41 | 12 50 | 3 57 | 17 25 | 1 43 | 15 22 | 1 29 | 0 52 | 0 13 | 22 47 | 0 24 | 16 32 | 1 55 | 21 6 | 0 37 | 6 11 | 1 20 | 4 28 | 16 8 | 23 25 | 23 20 | 11 22 | 12 47 | 0 19 |
| F 25 | 17 24 | 8 17 | 4 34 | 16 46 | 1 38 | 14 57 | 1 29 | 1 11 | 0 12 | 22 48 | 0 24 | 16 32 | 1 55 | 21 6 | 0 37 | 6 12 | 1 20 | 4 28 | 16 7 | 23 24 | 23 20 | 11 24 | 12 48 | 0 19 |
| S 26 | 17 7 | 3 30 | 4 57 | 16 5 | 1 33 | 14 32 | 1 29 | 1 29 | 0 11 | 22 49 | 0 24 | 16 33 | 1 54 | 21 7 | 0 37 | 6 12 | 1 20 | 4 27 | 16 7 | 23 24 | 23 20 | 11 26 | 12 48 | 0 19 |
| S 27 | 16 50 | 1n21 | 5 6 | 15 23 | 1 26 | 14 6 | 1 29 | 1 47 | 0 10 | 22 50 | 0 24 | 16 33 | 1 54 | 21 7 | 0 37 | 6 13 | 1 20 | 4 27 | 16 7 | 23 23 | 23 19 | 11 29 | 12 48 | 0 19 |
| M28 | 16 33 | 6 4 | 5 1 | 14 40 | 1 19 | 13 40 | 1 29 | 2 5 | 0 9 | 22 51 | 0 24 | 16 34 | 1 54 | 21 8 | 0 37 | 6 13 | 1 20 | 4 26 | 16 6 | 23 23 | 23 19 | 11 31 | 12 49 | 0 18 |
| T 29 | 16 15 | 10 31 | 4 44 | 13 56 | 1 11 | 13 14 | 1 28 | 2 22 | 0 8 | 22 51 | 0 24 | 16 35 | 1 54 | 21 8 | 0 37 | 6 14 | 1 20 | 4 26 | 16 6 | 23 22 | 23 19 | 11 33 | 12 49 | 0 18 |
| W30 | 15 57 | 14 33 | 4 13 | 13 10 | 1 3 | 12 47 | 1 28 | 2 40 | 0 7 | 22 52 | 0 24 | 16 35 | 1 53 | 21 9 | 0 37 | 6 15 | 1 20 | 4 25 | 16 6 | 23 22 | 23 19 | 11 35 | 12 49 | 0 18 |
| T 31 | 15s38 | 18n 0 | 3n33 | 12s24 | 0s54 | 12s20 | 1s28 | 2n58 | 0s 6 | 22s53 | 0n24 | 16n36 | 1s53 | 21n 9 | 0n37 | 6n15 | 1n20 | 4s25 | 16s 5 | 23s22 | 23s19 | 11n38 | 12s49 | 0s17 |

Julian Day Number = 2129407.5, Delta T = 16m47s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'39, Lahiri = 11°33'39 Julian Calendar 1 Jan. 1118 == Greg. Calendar 8 Jan. 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## FEBRUARY 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 8 19 | 18♒35'15 | 21♉12 | 1♓43 | 2♓49 | 8♈25 | 21♐42 | 22♉17 | 28°R31 | 17°R19 | 27♈28 | 23°D 1 | 21♐58 | 18♈52 | 2♏56 | F 1 |
| S 2 | 9 12 16 | 19°35'41 | 3♊18 | 3°28 | 4° 4 | 9° 8 | 21°52 | 22°19 | 28♋29 | 17♍17 | 27°29 | 23♐ 2 | 21°54 | 18°58 | 2°57 | S 2 |
| S 3 | 9 16 12 | 20°36'05 | 15°40 | 5°12 | 5°19 | 9°51 | 22° 2 | 22°21 | 28°26 | 17°16 | 27°29 | 23° 3 | 21°51 | 19° 5 | 2°57 | S 3 |
| M 4 | 9 20 9 | 21°36'26 | 28°22 | 6°53 | 6°33 | 10°34 | 22°12 | 22°23 | 28°24 | 17°14 | 27°30 | 23°R 3 | 21°48 | 19°12 | 2°58 | M 4 |
| T 5 | 9 24 5 | 22°36'46 | 11♋27 | 8°31 | 7°48 | 11°17 | 22°22 | 22°25 | 28°22 | 17°13 | 27°31 | 23° 1 | 21°45 | 19°19 | 2°58 | T 5 |
| W 6 | 9 28 2 | 23°37'04 | 25° 0 | 10° 5 | 9° 3 | 11°59 | 22°32 | 22°27 | 28°19 | 17°11 | 27°31 | 22°57 | 21°42 | 19°25 | 2°59 | W 6 |
| T 7 | 9 31 58 | 24°37'21 | 8♌58 | 11°36 | 10°17 | 12°42 | 22°41 | 22°30 | 28°17 | 17°10 | 27°32 | 22°50 | 21°39 | 19°32 | 2°59 | T 7 |
| F 8 | 9 35 55 | 25°37'35 | 23°19 | 13° 1 | 11°32 | 13°25 | 22°51 | 22°32 | 28°15 | 17° 8 | 27°33 | 22°42 | 21°35 | 19°39 | 2°R59 | F 8 |
| S 9 | 9 39 51 | 26°37'47 | 7♍58 | 14°22 | 12°47 | 14° 8 | 23° 0 | 22°34 | 28°13 | 17° 7 | 27°33 | 22°32 | 21°32 | 19°45 | 2°59 | S 9 |
| S 10 | 9 43 48 | 27°37'57 | 22°47 | 15°36 | 14° 1 | 14°50 | 23°10 | 22°37 | 28°11 | 17° 5 | 27°34 | 22°21 | 21°29 | 19°52 | 2°59 | S 10 |
| M11 | 9 47 45 | 28°38'06 | 7♎37 | 16°44 | 15°16 | 15°33 | 23°19 | 22°40 | 28° 8 | 17° 4 | 27°35 | 22°12 | 21°26 | 19°59 | 2°58 | M11 |
| T 12 | 9 51 41 | 29°38'13 | 22°20 | 17°45 | 16°30 | 16°15 | 23°28 | 22°43 | 28° 6 | 17° 2 | 27°36 | 22° 5 | 21°23 | 20° 5 | 2°58 | T 12 |
| W13 | 9 55 38 | 0♓38'18 | 6♏50 | 18°38 | 17°45 | 16°58 | 23°37 | 22°46 | 28° 4 | 17° 1 | 27°37 | 22° 0 | 21°20 | 20°12 | 2°58 | W13 |
| T 14 | 9 59 34 | 1°38'22 | 21° 4 | 19°23 | 18°59 | 17°40 | 23°46 | 22°49 | 28° 2 | 16°59 | 27°37 | 21°58 | 21°16 | 20°19 | 2°57 | T 14 |
| F 15 | 10 3 31 | 2°38'25 | 4♐59 | 20° 0 | 20°14 | 18°23 | 23°54 | 22°52 | 28° 0 | 16°57 | 27°38 | 21°D58 | 21°13 | 20°26 | 2°56 | F 15 |
| S 16 | 10 7 27 | 3°38'26 | 18°36 | 20°28 | 21°28 | 19° 5 | 24° 3 | 22°55 | 27°58 | 16°56 | 27°39 | 21°R58 | 21°10 | 20°32 | 2°56 | S 16 |
| S 17 | 10 11 24 | 4°38'25 | 1♑57 | 20°47 | 22°43 | 19°48 | 24°11 | 22°59 | 27°56 | 16°54 | 27°40 | 21°58 | 21° 7 | 20°39 | 2°55 | S 17 |
| M18 | 10 15 20 | 5°38'22 | 15° 4 | 20°57 | 23°57 | 20°30 | 24°20 | 23° 2 | 27°54 | 16°53 | 27°41 | 21°56 | 21° 4 | 20°46 | 2°54 | M18 |
| T 19 | 10 19 17 | 6°38'18 | 27°59 | 20°R58 | 25°12 | 21°12 | 24°28 | 23° 6 | 27°52 | 16°51 | 27°42 | 21°51 | 21° 0 | 20°52 | 2°52 | T 19 |
| W20 | 10 23 14 | 7°38'12 | 10♒42 | 20°51 | 26°26 | 21°55 | 24°36 | 23° 9 | 27°50 | 16°49 | 27°43 | 21°43 | 20°57 | 20°59 | 2°51 | W20 |
| T 21 | 10 27 10 | 8°38'04 | 23°15 | 20°35 | 27°40 | 22°37 | 24°44 | 23°13 | 27°49 | 16°48 | 27°44 | 21°33 | 20°54 | 21° 6 | 2°50 | T 21 |
| F 22 | 10 31 7 | 9°37'53 | 5♓39 | 20°11 | 28°54 | 23°19 | 24°52 | 23°17 | 27°47 | 16°46 | 27°45 | 21°20 | 20°51 | 21°12 | 2°48 | F 22 |
| S 23 | 10 35 3 | 10°37'41 | 17°53 | 19°39 | 0♈ 9 | 24° 1 | 24°59 | 23°21 | 27°45 | 16°44 | 27°45 | 21° 6 | 20°48 | 21°19 | 2°47 | S 23 |
| S 24 | 10 39 0 | 11°37'27 | 29°59 | 19° 1 | 1°23 | 24°43 | 25° 7 | 23°25 | 27°43 | 16°43 | 27°46 | 20°52 | 20°45 | 21°26 | 2°45 | S 24 |
| M25 | 10 42 56 | 12°37'11 | 11♈57 | 18°18 | 2°37 | 25°25 | 25°14 | 23°29 | 27°42 | 16°41 | 27°47 | 20°39 | 20°41 | 21°33 | 2°43 | M25 |
| T 26 | 10 46 53 | 13°36'52 | 23°49 | 17°30 | 3°51 | 26° 8 | 25°22 | 23°33 | 27°40 | 16°39 | 27°48 | 20°28 | 20°38 | 21°39 | 2°41 | T 26 |
| W27 | 10 50 49 | 14°36'32 | 5♉39 | 16°38 | 5° 5 | 26°50 | 25°29 | 23°37 | 27°39 | 16°38 | 27°50 | 20°20 | 20°35 | 21°46 | 2°39 | W27 |
| T 28 | 10 54 46 | 15♓36'09 | 17♉28 | 15♓44 | 6♈19 | 27♈32 | 25♐36 | 23♉42 | 27♋37 | 16♍36 | 27♈51 | 20♐15 | 20♐32 | 21♈53 | 2♏37 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s20 | 20n45 | 2n42 | 11s36 | 0s44 | 11s52 | 1s27 | 3n16 | 0s 6 | 22s53 | 0n24 | 16n37 | 1s53 | 21n10 | 0n37 | 6n16 | 1n20 | 4s24 | 16s 5 | 23s22 | 23s18 | 11n40 | 12s49 | 0s17 |
| S 2 | 15 1 | 22 37 | 1 44 | 10 48 | 0 34 | 11 25 | 1 27 | 3 34 | 0 5 | 22 54 | 0 24 | 16 37 | 1 52 | 21 10 | 0 37 | 6 16 | 1 20 | 4 24 | 16 5 | 23 22 | 23 18 | 11 42 | 12 49 | 0 17 |
| S 3 | 14 42 | 23 26 | 0 39 | 10 0 | 0 23 | 10 57 | 1 26 | 3 51 | 0 4 | 22 55 | 0 24 | 16 38 | 1 52 | 21 11 | 0 37 | 6 17 | 1 20 | 4 23 | 16 4 | 23 22 | 23 18 | 11 44 | 12 49 | 0 17 |
| M 4 | 14 22 | 23 4 | 0s28 | 9 12 | 0 11 | 10 28 | 1 26 | 4 9 | 0 3 | 22 55 | 0 24 | 16 39 | 1 52 | 21 11 | 0 37 | 6 17 | 1 20 | 4 23 | 16 4 | 23 22 | 23 18 | 11 46 | 12 49 | 0 16 |
| T 5 | 14 3 | 21 27 | 1 37 | 8 23 | 0n 2 | 10 0 | 1 25 | 4 27 | 0 2 | 22 56 | 0 24 | 16 40 | 1 52 | 21 12 | 0 37 | 6 18 | 1 20 | 4 22 | 16 4 | 23 22 | 23 18 | 11 49 | 12 49 | 0 16 |
| W 6 | 13 43 | 18 35 | 2 42 | 7 36 | 0 15 | 9 31 | 1 24 | 4 44 | 0 2 | 22 57 | 0 24 | 16 41 | 1 51 | 21 12 | 0 37 | 6 19 | 1 20 | 4 22 | 16 3 | 23 22 | 23 18 | 11 51 | 12 49 | 0 16 |
| T 7 | 13 23 | 14 34 | 3 39 | 6 49 | 0 28 | 9 2 | 1 23 | 5 2 | 0 1 | 22 57 | 0 24 | 16 41 | 1 51 | 21 13 | 0 37 | 6 19 | 1 20 | 4 21 | 16 3 | 23 22 | 23 17 | 11 53 | 12 48 | 0 16 |
| F 8 | 13 2 | 9 39 | 4 24 | 6 3 | 0 42 | 8 32 | 1 22 | 5 19 | 0n 0 | 22 58 | 0 24 | 16 42 | 1 51 | 21 13 | 0 37 | 6 20 | 1 20 | 4 21 | 16 3 | 23 21 | 23 17 | 11 55 | 12 48 | 0 15 |
| S 9 | 12 42 | 4 5 | 4 53 | 5 19 | 0 56 | 8 3 | 1 21 | 5 37 | 0 1 | 22 58 | 0 24 | 16 43 | 1 51 | 21 14 | 0 37 | 6 21 | 1 20 | 4 20 | 16 2 | 23 20 | 23 17 | 11 57 | 12 48 | 0 15 |
| S 10 | 12 21 | 1s45 | 5 3 | 4 37 | 1 11 | 7 33 | 1 20 | 5 54 | 0 2 | 22 59 | 0 24 | 16 44 | 1 50 | 21 14 | 0 37 | 6 21 | 1 20 | 4 20 | 16 2 | 23 20 | 23 17 | 12 0 | 12 48 | 0 15 |
| M11 | 12 0 | 7 30 | 4 52 | 3 57 | 1 25 | 7 3 | 1 19 | 6 11 | 0 2 | 22 59 | 0 24 | 16 45 | 1 50 | 21 14 | 0 37 | 6 22 | 1 20 | 4 19 | 16 2 | 23 19 | 23 16 | 12 2 | 12 47 | 0 14 |
| T 12 | 11 39 | 12 47 | 4 22 | 3 20 | 1 40 | 6 33 | 1 18 | 6 28 | 0 3 | 23 0 | 0 24 | 16 46 | 1 50 | 21 15 | 0 37 | 6 22 | 1 20 | 4 19 | 16 1 | 23 19 | 23 16 | 12 4 | 12 47 | 0 14 |
| W13 | 11 18 | 17 15 | 3 36 | 2 46 | 1 54 | 6 3 | 1 17 | 6 45 | 0 4 | 23 0 | 0 24 | 16 47 | 1 49 | 21 15 | 0 37 | 6 23 | 1 20 | 4 18 | 16 1 | 23 19 | 23 16 | 12 6 | 12 46 | 0 14 |
| T 14 | 10 57 | 20 37 | 2 36 | 2 15 | 2 8 | 5 32 | 1 16 | 7 3 | 0 5 | 23 1 | 0 24 | 16 48 | 1 49 | 21 16 | 0 37 | 6 24 | 1 20 | 4 17 | 16 1 | 23 19 | 23 16 | 12 8 | 12 46 | 0 14 |
| F 15 | 10 35 | 22 41 | 1 29 | 1 48 | 2 22 | 5 1 | 1 14 | 7 19 | 0 6 | 23 1 | 0 23 | 16 49 | 1 49 | 21 16 | 0 37 | 6 24 | 1 20 | 4 17 | 16 1 | 23 19 | 23 16 | 12 10 | 12 45 | 0 13 |
| S 16 | 10 13 | 23 22 | 0 18 | 1 25 | 2 35 | 4 31 | 1 13 | 7 36 | 0 6 | 23 2 | 0 23 | 16 50 | 1 49 | 21 16 | 0 37 | 6 25 | 1 20 | 4 16 | 16 0 | 23 19 | 23 15 | 12 13 | 12 45 | 0 13 |
| S 17 | 9 51 | 22 40 | 0n53 | 1 6 | 2 48 | 4 0 | 1 11 | 7 53 | 0 7 | 23 2 | 0 23 | 16 51 | 1 48 | 21 17 | 0 37 | 6 26 | 1 20 | 4 16 | 16 0 | 23 19 | 23 15 | 12 15 | 12 44 | 0 13 |
| M18 | 9 29 | 20 43 | 1 59 | 0 51 | 2 59 | 3 29 | 1 10 | 8 10 | 0 8 | 23 3 | 0 23 | 16 53 | 1 48 | 21 17 | 0 37 | 6 26 | 1 20 | 4 15 | 16 0 | 23 18 | 23 15 | 12 17 | 12 44 | 0 12 |
| T 19 | 9 7 | 17 45 | 2 58 | 0 41 | 3 10 | 2 58 | 1 8 | 8 27 | 0 9 | 23 3 | 0 23 | 16 54 | 1 48 | 21 18 | 0 37 | 6 27 | 1 20 | 4 15 | 15 59 | 23 18 | 23 15 | 12 19 | 12 43 | 0 12 |
| W20 | 8 45 | 13 59 | 3 47 | 0 36 | 3 19 | 2 27 | 1 7 | 8 43 | 0 9 | 23 3 | 0 23 | 16 55 | 1 48 | 21 18 | 0 37 | 6 28 | 1 20 | 4 14 | 15 59 | 23 18 | 23 15 | 12 21 | 12 42 | 0 12 |
| T 21 | 8 22 | 9 40 | 4 25 | 0 35 | 3 27 | 1 55 | 1 5 | 9 0 | 0 10 | 23 4 | 0 23 | 16 56 | 1 47 | 21 18 | 0 37 | 6 28 | 1 20 | 4 13 | 15 59 | 23 17 | 23 14 | 12 23 | 12 42 | 0 12 |
| F 22 | 8 0 | 5 0 | 4 49 | 0 39 | 3 33 | 1 24 | 1 3 | 9 16 | 0 11 | 23 4 | 0 23 | 16 57 | 1 47 | 21 19 | 0 37 | 6 29 | 1 20 | 4 13 | 15 59 | 23 16 | 23 14 | 12 25 | 12 41 | 0 11 |
| S 23 | 7 37 | 0 13 | 4 59 | 0 47 | 3 37 | 0 53 | 1 1 | 9 32 | 0 11 | 23 4 | 0 23 | 16 58 | 1 47 | 21 19 | 0 37 | 6 30 | 1 20 | 4 12 | 15 58 | 23 15 | 23 14 | 12 28 | 12 40 | 0 11 |
| S 24 | 7 14 | 4n31 | 4 56 | 1 0 | 3 39 | 0 21 | 1 0 | 9 49 | 0 12 | 23 5 | 0 23 | 17 0 | 1 47 | 21 19 | 0 37 | 6 30 | 1 20 | 4 12 | 15 58 | 23 14 | 23 14 | 12 30 | 12 39 | 0 11 |
| M25 | 6 51 | 9 2 | 4 40 | 1 17 | 3 40 | 0n10 | 0 58 | 10 5 | 0 13 | 23 5 | 0 23 | 17 1 | 1 46 | 21 20 | 0 37 | 6 31 | 1 20 | 4 11 | 15 58 | 23 13 | 23 13 | 12 32 | 12 38 | 0 10 |
| T 26 | 6 28 | 13 11 | 4 11 | 1 37 | 3 39 | 0 41 | 0 56 | 10 21 | 0 14 | 23 5 | 0 23 | 17 2 | 1 46 | 21 20 | 0 37 | 6 32 | 1 20 | 4 11 | 15 58 | 23 13 | 23 13 | 12 34 | 12 37 | 0 10 |
| W27 | 6 5 | 16 48 | 3 32 | 2 0 | 3 35 | 1 13 | 0 54 | 10 37 | 0 14 | 23 6 | 0 23 | 17 4 | 1 46 | 21 20 | 0 37 | 6 32 | 1 20 | 4 10 | 15 57 | 23 12 | 23 13 | 12 36 | 12 36 | 0 10 |
| T 28 | 5s42 | 19n44 | 2n44 | 2s25 | 3n30 | 1n44 | 0s52 | 10n53 | 0n15 | 23s 6 | 0n23 | 17n 5 | 1s46 | 21n20 | 0n37 | 6n33 | 1n20 | 4s 9 | 15s57 | 23s12 | 23s13 | 12n38 | 12s35 | 0s 9 |

Julian Day Number = 2129438.5, Delta T = 16m46s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'43, Lahiri = 11°33'43 Julian Calendar 1 Feb. 1118 == Greg. Calendar 8 Feb. 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## MARCH 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 58 43 | 16♓35'44 | 29♉22 | 14°R49 | 7♈33 | 28♈14 | 25♐42 | 23♉46 | 27°R36 | 16°R34 | 27♈52 | 20°R12 | 20♐29 | 21♈59 | 2°R35 | F 1 |
| S 2 | 11 2 39 | 17°35'16 | 11♊25 | 13♓54 | 8°47 | 28°55 | 25°49 | 23°51 | 27♋34 | 16♍33 | 27°53 | 20♐11 | 20°26 | 22° 6 | 2♏33 | S 2 |
| S 3 | 11 6 36 | 18°34'47 | 23°43 | 13° 1 | 10° 1 | 29°37 | 25°56 | 23°55 | 27°33 | 16°31 | 27°54 | 20°11 | 20°22 | 22°13 | 2°31 | S 3 |
| M 4 | 11 10 32 | 19°34'15 | 6♋21 | 12° 9 | 11°15 | 0♉19 | 26° 2 | 24° 0 | 27°32 | 16°29 | 27°55 | 20°11 | 20°19 | 22°20 | 2°28 | M 4 |
| T 5 | 11 14 29 | 20°33'40 | 19°23 | 11°21 | 12°29 | 1° 1 | 26° 8 | 24° 5 | 27°30 | 16°28 | 27°56 | 20° 9 | 20°16 | 22°26 | 2°26 | T 5 |
| W 6 | 11 18 25 | 21°33'04 | 2♌55 | 10°36 | 13°43 | 1°43 | 26°14 | 24°10 | 27°29 | 16°26 | 27°57 | 20° 4 | 20°13 | 22°33 | 2°23 | W 6 |
| T 7 | 11 22 22 | 22°32'24 | 16°56 | 9°56 | 14°57 | 2°24 | 26°20 | 24°15 | 27°28 | 16°24 | 27°58 | 19°57 | 20°10 | 22°40 | 2°20 | T 7 |
| F 8 | 11 26 18 | 23°31'43 | 1♍25 | 9°21 | 16°10 | 3° 6 | 26°26 | 24°20 | 27°27 | 16°23 | 27°59 | 19°48 | 20° 6 | 22°46 | 2°17 | F 8 |
| S 9 | 11 30 15 | 24°30'59 | 16°17 | 8°52 | 17°24 | 3°48 | 26°31 | 24°25 | 27°26 | 16°21 | 28° 1 | 19°37 | 20° 3 | 22°53 | 2°14 | S 9 |
| S 10 | 11 34 11 | 25°30'13 | 1♎25 | 8°28 | 18°38 | 4°29 | 26°37 | 24°30 | 27°25 | 16°20 | 28° 2 | 19°25 | 20° 0 | 23° 0 | 2°11 | S 10 |
| M11 | 11 38 8 | 26°29'25 | 16°36 | 8°10 | 19°51 | 5°11 | 26°42 | 24°36 | 27°24 | 16°18 | 28° 3 | 19°15 | 19°57 | 23° 6 | 2° 8 | M11 |
| T 12 | 11 42 5 | 27°28'35 | 1♏42 | 7°57 | 21° 5 | 5°52 | 26°47 | 24°41 | 27°23 | 16°16 | 28° 4 | 19° 7 | 19°54 | 23°13 | 2° 5 | T 12 |
| W13 | 11 46 1 | 28°27'44 | 16°32 | 7°51 | 22°19 | 6°34 | 26°52 | 24°46 | 27°22 | 16°15 | 28° 5 | 19° 1 | 19°51 | 23°20 | 2° 2 | W13 |
| T 14 | 11 49 58 | 29°26'50 | 1♐ 1 | 7°D50 | 23°32 | 7°15 | 26°57 | 24°52 | 27°21 | 16°13 | 28° 7 | 18°58 | 19°47 | 23°27 | 1°59 | T 14 |
| F 15 | 11 53 54 | 0♈25'55 | 15° 6 | 7°54 | 24°45 | 7°57 | 27° 1 | 24°57 | 27°20 | 16°11 | 28° 8 | 18°D57 | 19°44 | 23°33 | 1°55 | F 15 |
| S 16 | 11 57 51 | 1°24'58 | 28°47 | 8° 4 | 25°59 | 8°38 | 27° 6 | 25° 3 | 27°19 | 16°10 | 28° 9 | 18°R57 | 19°41 | 23°40 | 1°52 | S 16 |
| S 17 | 12 1 47 | 2°23'59 | 12♑ 5 | 8°19 | 27°12 | 9°19 | 27°10 | 25° 9 | 27°19 | 16° 8 | 28°10 | 18°57 | 19°38 | 23°47 | 1°48 | S 17 |
| M18 | 12 5 44 | 3°22'59 | 25° 4 | 8°39 | 28°26 | 10° 1 | 27°14 | 25°15 | 27°18 | 16° 7 | 28°11 | 18°55 | 19°35 | 23°53 | 1°45 | M18 |
| T 19 | 12 9 40 | 4°21'56 | 7♒47 | 9° 4 | 29°39 | 10°42 | 27°18 | 25°20 | 27°17 | 16° 5 | 28°13 | 18°51 | 19°31 | 24° 0 | 1°41 | T 19 |
| W20 | 12 13 37 | 5°20'52 | 20°16 | 9°33 | 0♉52 | 11°23 | 27°22 | 25°26 | 27°17 | 16° 4 | 28°14 | 18°44 | 19°28 | 24° 7 | 1°37 | W20 |
| T 21 | 12 17 34 | 6°19'46 | 2♓35 | 10° 7 | 2° 5 | 12° 4 | 27°25 | 25°32 | 27°16 | 16° 2 | 28°15 | 18°34 | 19°25 | 24°13 | 1°33 | T 21 |
| F 22 | 12 21 30 | 7°18'38 | 14°45 | 10°44 | 3°18 | 12°45 | 27°29 | 25°38 | 27°16 | 16° 1 | 28°17 | 18°23 | 19°22 | 24°20 | 1°30 | F 22 |
| S 23 | 12 25 27 | 8°17'28 | 26°48 | 11°25 | 4°32 | 13°27 | 27°32 | 25°44 | 27°16 | 15°59 | 28°18 | 18°10 | 19°19 | 24°27 | 1°26 | S 23 |
| S 24 | 12 29 23 | 9°16'16 | 8♈46 | 12°10 | 5°45 | 14° 8 | 27°35 | 25°51 | 27°15 | 15°57 | 28°19 | 17°57 | 19°16 | 24°33 | 1°22 | S 24 |
| M25 | 12 33 20 | 10°15'01 | 20°39 | 12°59 | 6°58 | 14°49 | 27°38 | 25°57 | 27°15 | 15°56 | 28°20 | 17°45 | 19°12 | 24°40 | 1°18 | M25 |
| T 26 | 12 37 16 | 11°13'45 | 2♉29 | 13°50 | 8°11 | 15°30 | 27°40 | 26° 3 | 27°15 | 15°55 | 28°22 | 17°34 | 19° 9 | 24°47 | 1°14 | T 26 |
| W27 | 12 41 13 | 12°12'27 | 14°18 | 14°45 | 9°24 | 16°11 | 27°43 | 26°10 | 27°15 | 15°53 | 28°23 | 17°27 | 19° 6 | 24°54 | 1° 9 | W27 |
| T 28 | 12 45 9 | 13°11'07 | 26° 8 | 15°43 | 10°36 | 16°52 | 27°45 | 26°16 | 27°15 | 15°52 | 28°24 | 17°22 | 19° 3 | 25° 0 | 1° 5 | T 28 |
| F 29 | 12 49 6 | 14° 9'45 | 8♊ 4 | 16°44 | 11°49 | 17°33 | 27°47 | 26°22 | 27°D15 | 15°50 | 28°26 | 17°20 | 19° 0 | 25° 7 | 1° 1 | F 29 |
| S 30 | 12 53 3 | 15° 8'20 | 20° 8 | 17°47 | 13° 2 | 18°13 | 27°49 | 26°29 | 27°15 | 15°49 | 28°27 | 17°D19 | 18°57 | 25°14 | 0°57 | S 30 |
| S 31 | 12 56 59 | 16♈ 6'53 | 2♋25 | 18♓53 | 14♉15 | 18♉54 | 27♐51 | 26♉36 | 27♋15 | 15♍47 | 28♈28 | 17♐20 | 18♐53 | 25♈20 | 0♏52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 5s19 | 21n52 | 1n48 | 2s53 | 3n23 | 2n15 | 0s49 | 11n 8 | 0n16 | 23s 6 | 0n23 | 17n 6 | 1s45 | 21n21 | 0n37 | 6n33 | 1n20 | 4s 9 | 15s57 | 23s11 | 23s13 | 12n40 | 12s34 | 0s | 9 |
| S 2 | 4 56 | 23 1 | 0 46 | 3 22 | 3 14 | 2 47 | 0 47 | 11 24 | 0 16 | 23 6 | 0 23 | 17 8 | 1 45 | 21 21 | 0 37 | 6 34 | 1 20 | 4 8 | 15 57 | 23 11 | 23 12 | 12 42 | 12 33 | 0 | 9 |
| S 3 | 4 32 | 23 6 | 0s19 | 3 52 | 3 4 | 3 18 | 0 45 | 11 39 | 0 17 | 23 7 | 0 23 | 17 9 | 1 45 | 21 21 | 0 37 | 6 35 | 1 20 | 4 8 | 15 56 | 23 11 | 23 12 | 12 44 | 12 32 | 0 | 9 |
| M 4 | 4 9 | 22 0 | 1 24 | 4 23 | 2 52 | 3 49 | 0 43 | 11 55 | 0 18 | 23 7 | 0 23 | 17 10 | 1 45 | 21 22 | 0 37 | 6 35 | 1 20 | 4 7 | 15 56 | 23 11 | 23 12 | 12 47 | 12 31 | 0 | 8 |
| T 5 | 3 45 | 19 42 | 2 28 | 4 53 | 2 40 | 4 20 | 0 41 | 12 10 | 0 18 | 23 7 | 0 23 | 17 12 | 1 44 | 21 22 | 0 37 | 6 36 | 1 20 | 4 7 | 15 56 | 23 11 | 23 12 | 12 49 | 12 30 | 0 | 8 |
| W 6 | 3 22 | 16 16 | 3 25 | 5 23 | 2 26 | 4 51 | 0 38 | 12 25 | 0 19 | 23 7 | 0 23 | 17 13 | 1 44 | 21 22 | 0 37 | 6 37 | 1 20 | 4 6 | 15 56 | 23 11 | 23 11 | 12 51 | 12 29 | 0 | 8 |
| T 7 | 2 58 | 11 49 | 4 12 | 5 51 | 2 12 | 5 22 | 0 36 | 12 40 | 0 20 | 23 8 | 0 23 | 17 15 | 1 44 | 21 22 | 0 37 | 6 37 | 1 20 | 4 5 | 15 56 | 23 10 | 23 11 | 12 53 | 12 27 | 0 | 7 |
| F 8 | 2 35 | 6 35 | 4 45 | 6 18 | 1 57 | 5 53 | 0 33 | 12 55 | 0 20 | 23 8 | 0 23 | 17 16 | 1 44 | 21 22 | 0 37 | 6 38 | 1 21 | 4 5 | 15 55 | 23 10 | 23 11 | 12 55 | 12 26 | 0 | 7 |
| S 9 | 2 11 | 0 50 | 5 0 | 6 43 | 1 41 | 6 23 | 0 31 | 13 10 | 0 21 | 23 8 | 0 23 | 17 17 | 1 44 | 21 23 | 0 37 | 6 39 | 1 21 | 4 4 | 15 55 | 23 9 | 23 11 | 12 57 | 12 25 | 0 | 7 |
| S 10 | 1 48 | 5s 3 | 4 54 | 7 6 | 1 26 | 6 54 | 0 28 | 13 25 | 0 22 | 23 8 | 0 22 | 17 19 | 1 43 | 21 23 | 0 37 | 6 39 | 1 21 | 4 4 | 15 55 | 23 8 | 23 10 | 12 59 | 12 23 | 0 | 6 |
| M11 | 1 24 | 10 40 | 4 27 | 7 28 | 1 10 | 7 24 | 0 26 | 13 40 | 0 22 | 23 8 | 0 22 | 17 20 | 1 43 | 21 23 | 0 37 | 6 40 | 1 21 | 4 3 | 15 55 | 23 7 | 23 10 | 13 1 | 12 22 | 0 | 6 |
| T 12 | 1 0 | 15 35 | 3 42 | 7 46 | 0 55 | 7 54 | 0 23 | 13 54 | 0 23 | 23 8 | 0 22 | 17 22 | 1 43 | 21 23 | 0 37 | 6 41 | 1 21 | 4 2 | 15 55 | 23 6 | 23 10 | 13 3 | 12 21 | 0 | 6 |
| W13 | 0 37 | 19 27 | 2 42 | 8 3 | 0 40 | 8 24 | 0 21 | 14 8 | 0 23 | 23 9 | 0 22 | 17 24 | 1 43 | 21 23 | 0 37 | 6 41 | 1 21 | 4 2 | 15 54 | 23 6 | 23 10 | 13 5 | 12 19 | 0 | 5 |
| T 14 | 0 13 | 21 59 | 1 33 | 8 17 | 0 25 | 8 54 | 0 18 | 14 23 | 0 24 | 23 9 | 0 22 | 17 25 | 1 42 | 21 23 | 0 37 | 6 42 | 1 21 | 4 1 | 15 54 | 23 6 | 23 10 | 13 7 | 12 18 | 0 | 5 |
| F 15 | 0n10 | 23 3 | 0 20 | 8 29 | 0 11 | 9 24 | 0 15 | 14 37 | 0 25 | 23 9 | 0 22 | 17 27 | 1 42 | 21 24 | 0 37 | 6 43 | 1 21 | 4 1 | 15 54 | 23 5 | 23 9 | 13 9 | 12 16 | 0 | 5 |
| S 16 | 0 34 | 22 41 | 0n52 | 8 38 | 0s 3 | 9 53 | 0 13 | 14 51 | 0 25 | 23 9 | 0 22 | 17 28 | 1 42 | 21 24 | 0 37 | 6 43 | 1 21 | 4 0 | 15 54 | 23 5 | 23 9 | 13 11 | 12 15 | 0 | 5 |
| S 17 | 0 58 | 21 1 | 1 59 | 8 45 | 0 17 | 10 22 | 0 10 | 15 5 | 0 26 | 23 9 | 0 22 | 17 30 | 1 42 | 21 24 | 0 37 | 6 44 | 1 21 | 4 0 | 15 54 | 23 5 | 23 9 | 13 14 | 12 13 | 0 | 4 |
| M18 | 1 21 | 18 17 | 2 59 | 8 50 | 0 30 | 10 51 | 0 7 | 15 18 | 0 26 | 23 9 | 0 22 | 17 31 | 1 42 | 21 24 | 0 37 | 6 44 | 1 20 | 3 59 | 15 54 | 23 5 | 23 9 | 13 16 | 12 12 | 0 | 4 |
| T 19 | 1 45 | 14 44 | 3 48 | 8 52 | 0 42 | 11 20 | 0 5 | 15 32 | 0 27 | 23 9 | 0 22 | 17 33 | 1 41 | 21 24 | 0 37 | 6 45 | 1 20 | 3 58 | 15 53 | 23 5 | 23 8 | 13 18 | 12 10 | 0 | 4 |
| W20 | 2 8 | 10 36 | 4 25 | 8 52 | 0 54 | 11 48 | 0 2 | 15 45 | 0 28 | 23 10 | 0 22 | 17 35 | 1 41 | 21 24 | 0 37 | 6 46 | 1 20 | 3 58 | 15 53 | 23 4 | 23 8 | 13 20 | 12 9 | 0 | 3 |
| T 21 | 2 32 | 6 6 | 4 50 | 8 50 | 1 6 | 12 16 | 0n 1 | 15 59 | 0 28 | 23 10 | 0 22 | 17 36 | 1 41 | 21 24 | 0 37 | 6 46 | 1 20 | 3 57 | 15 53 | 23 4 | 23 8 | 13 22 | 12 7 | 0 | 3 |
| F 22 | 2 55 | 1 25 | 5 1 | 8 45 | 1 16 | 12 44 | 0 4 | 16 12 | 0 29 | 23 10 | 0 22 | 17 38 | 1 41 | 21 24 | 0 37 | 6 47 | 1 20 | 3 57 | 15 53 | 23 3 | 23 8 | 13 24 | 12 5 | 0 | 3 |
| S 23 | 3 18 | 3n17 | 4 58 | 8 39 | 1 26 | 13 12 | 0 7 | 16 25 | 0 29 | 23 10 | 0 22 | 17 39 | 1 41 | 21 24 | 0 36 | 6 47 | 1 20 | 3 56 | 15 53 | 23 1 | 23 7 | 13 26 | 12 4 | 0 | 2 |
| S 24 | 3 41 | 7 48 | 4 42 | 8 30 | 1 36 | 13 39 | 0 9 | 16 38 | 0 30 | 23 10 | 0 22 | 17 41 | 1 40 | 21 24 | 0 36 | 6 48 | 1 20 | 3 56 | 15 53 | 23 0 | 23 7 | 13 28 | 12 2 | 0 | 2 |
| M25 | 4 5 | 12 1 | 4 14 | 8 20 | 1 44 | 14 6 | 0 12 | 16 51 | 0 30 | 23 10 | 0 22 | 17 43 | 1 40 | 21 24 | 0 36 | 6 48 | 1 20 | 3 55 | 15 53 | 22 59 | 23 7 | 13 30 | 12 0 | 0 | 2 |
| T 26 | 4 28 | 15 45 | 3 35 | 8 7 | 1 53 | 14 32 | 0 15 | 17 3 | 0 31 | 23 10 | 0 22 | 17 44 | 1 40 | 21 24 | 0 36 | 6 49 | 1 20 | 3 54 | 15 52 | 22 58 | 23 6 | 13 32 | 11 59 | 0 | 1 |
| W27 | 4 51 | 18 51 | 2 46 | 7 53 | 2 0 | 14 58 | 0 18 | 17 16 | 0 32 | 23 10 | 0 22 | 17 46 | 1 40 | 21 24 | 0 36 | 6 50 | 1 20 | 3 54 | 15 52 | 22 57 | 23 6 | 13 34 | 11 57 | 0 | 1 |
| T 28 | 5 14 | 21 10 | 1 51 | 7 37 | 2 7 | 15 24 | 0 21 | 17 28 | 0 32 | 23 10 | 0 22 | 17 48 | 1 40 | 21 24 | 0 36 | 6 50 | 1 20 | 3 53 | 15 52 | 22 57 | 23 6 | 13 36 | 11 55 | 0 | 1 |
| F 29 | 5 37 | 22 34 | 0 49 | 7 19 | 2 13 | 15 50 | 0 24 | 17 40 | 0 33 | 23 11 | 0 22 | 17 49 | 1 39 | 21 24 | 0 36 | 6 51 | 1 20 | 3 53 | 15 52 | 22 57 | 23 6 | 13 38 | 11 53 | 0 | 0 |
| S 30 | 5 59 | 22 56 | 0s15 | 6 59 | 2 19 | 16 15 | 0 27 | 17 52 | 0 33 | 23 11 | 0 22 | 17 51 | 1 39 | 21 24 | 0 36 | 6 51 | 1 20 | 3 52 | 15 52 | 22 57 | 23 5 | 13 40 | 11 51 | 0n | 0 |
| S 31 | 6n22 | 22n12 | 1s20 | 6s38 | 2s24 | 16n40 | 0n29 | 18n 4 | 0n34 | 23s11 | 0n21 | 17n53 | 1s39 | 21n24 | 0n36 | 6n52 | 1n20 | 3s52 | 15s52 | 22s57 | 23s 5 | 13n42 | 11s50 | 0n | 0 |

Julian Day Number = 2129466.5, Delta T = 16m46s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'47, Lahiri = 11°33'47 Julian Calendar 1 March 1118 == Greg. Calendar 8 March 1118


created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## APRIL 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 0 56 | 17♈ 5'24 | 15♋ 0 | 20♓ 2 | 15♉27 | 19♉35 | 27♐53 | 26♉42 | 27♋15 | 15°R46 | 28♈30 | 17°R21 | 18♐50 | 25♈27 | 0°R48 | M 1 |
| T 2 | 13 4 52 | 18° 3'53 | 27°58 | 21°13 | 16°40 | 20°16 | 27°54 | 26°49 | 27°15 | 15♍45 | 28°31 | 17♐20 | 18°47 | 25°34 | 0♏44 | T 2 |
| W 3 | 13 8 49 | 19° 2'20 | 11♌23 | 22°26 | 17°53 | 20°56 | 27°55 | 26°56 | 27°15 | 15°43 | 28°32 | 17°18 | 18°44 | 25°40 | 0°39 | W 3 |
| T 4 | 13 12 45 | 20° 0'44 | 25°17 | 23°42 | 19° 5 | 21°37 | 27°56 | 27° 2 | 27°15 | 15°42 | 28°34 | 17°13 | 18°41 | 25°47 | 0°35 | T 4 |
| F 5 | 13 16 42 | 20°59'06 | 9♍41 | 24°59 | 20°18 | 22°18 | 27°57 | 27° 9 | 27°16 | 15°41 | 28°35 | 17° 7 | 18°37 | 25°54 | 0°30 | F 5 |
| S 6 | 13 20 38 | 21°57'26 | 24°30 | 26°19 | 21°30 | 22°58 | 27°57 | 27°16 | 27°16 | 15°39 | 28°36 | 16°59 | 18°34 | 26° 1 | 0°26 | S 6 |
| S 7 | 13 24 35 | 22°55'44 | 9♎39 | 27°41 | 22°42 | 23°39 | 27°58 | 27°23 | 27°17 | 15°38 | 28°38 | 16°51 | 18°31 | 26° 7 | 0°21 | S 7 |
| M 8 | 13 28 32 | 23°54'00 | 24°56 | 29° 5 | 23°55 | 24°19 | 27°58 | 27°30 | 27°17 | 15°37 | 28°39 | 16°43 | 18°28 | 26°14 | 0°17 | M 8 |
| T 9 | 13 32 28 | 24°52'15 | 10♏13 | 0♈32 | 25° 7 | 25° 0 | 27°R58 | 27°37 | 27°18 | 15°36 | 28°41 | 16°37 | 18°25 | 26°21 | 0°12 | T 9 |
| W10 | 13 36 25 | 25°50'28 | 25°17 | 2° 0 | 26°19 | 25°40 | 27°58 | 27°44 | 27°18 | 15°35 | 28°42 | 16°33 | 18°22 | 26°27 | 0° 8 | W10 |
| T 11 | 13 40 21 | 26°48'39 | 10♐ 0 | 3°30 | 27°31 | 26°21 | 27°58 | 27°51 | 27°19 | 15°33 | 28°43 | 16°D32 | 18°18 | 26°34 | 0° 3 | T 11 |
| F 12 | 13 44 18 | 27°46'48 | 24°18 | 5° 2 | 28°43 | 27° 1 | 27°57 | 27°58 | 27°20 | 15°32 | 28°45 | 16°32 | 18°15 | 26°41 | 29♎59 | F 12 |
| S 13 | 13 48 14 | 28°44'56 | 8♑10 | 6°36 | 29°55 | 27°42 | 27°57 | 28° 5 | 27°20 | 15°31 | 28°46 | 16°33 | 18°12 | 26°47 | 29°54 | S 13 |
| S 14 | 13 52 11 | 29°43'03 | 21°34 | 8°11 | 1♊ 7 | 28°22 | 27°56 | 28°13 | 27°21 | 15°30 | 28°47 | 16°34 | 18° 9 | 26°54 | 29°50 | S 14 |
| M15 | 13 56 7 | 0♉41'08 | 4♒35 | 9°49 | 2°19 | 29° 2 | 27°55 | 28°20 | 27°22 | 15°29 | 28°49 | 16°R34 | 18° 6 | 27° 1 | 29°45 | M15 |
| T 16 | 14 0 4 | 1°39'12 | 17°16 | 11°29 | 3°31 | 29°43 | 27°53 | 28°27 | 27°23 | 15°28 | 28°50 | 16°33 | 18° 3 | 27° 7 | 29°40 | T 16 |
| W17 | 14 4 1 | 2°37'14 | 29°40 | 13°10 | 4°43 | 0♊23 | 27°52 | 28°34 | 27°24 | 15°27 | 28°51 | 16°30 | 17°59 | 27°14 | 29°36 | W17 |
| T 18 | 14 7 57 | 3°35'15 | 11♓52 | 14°54 | 5°54 | 1° 3 | 27°50 | 28°42 | 27°25 | 15°26 | 28°53 | 16°24 | 17°56 | 27°21 | 29°31 | T 18 |
| F 19 | 14 11 54 | 4°33'14 | 23°54 | 16°39 | 7° 6 | 1°43 | 27°48 | 28°49 | 27°26 | 15°25 | 28°54 | 16°18 | 17°53 | 27°28 | 29°27 | F 19 |
| S 20 | 14 15 50 | 5°31'12 | 5♈49 | 18°27 | 8°17 | 2°23 | 27°46 | 28°56 | 27°27 | 15°24 | 28°56 | 16°10 | 17°50 | 27°34 | 29°22 | S 20 |
| S 21 | 14 19 47 | 6°29'08 | 17°41 | 20°16 | 9°29 | 3° 3 | 27°44 | 29° 4 | 27°28 | 15°23 | 28°57 | 16° 3 | 17°47 | 27°41 | 29°18 | S 21 |
| M22 | 14 23 43 | 7°27'03 | 29°31 | 22° 7 | 10°40 | 3°43 | 27°42 | 29°11 | 27°29 | 15°22 | 28°58 | 15°56 | 17°43 | 27°48 | 29°13 | M22 |
| T 23 | 14 27 40 | 8°24'57 | 11♉21 | 24° 0 | 11°52 | 4°23 | 27°39 | 29°19 | 27°31 | 15°21 | 29° 0 | 15°50 | 17°40 | 27°54 | 29° 9 | T 23 |
| W24 | 14 31 36 | 9°22'49 | 23°13 | 25°55 | 13° 3 | 5° 3 | 27°37 | 29°26 | 27°32 | 15°20 | 29° 1 | 15°46 | 17°37 | 28° 1 | 29° 4 | W24 |
| T 25 | 14 35 33 | 10°20'39 | 5♊ 9 | 27°52 | 14°14 | 5°43 | 27°34 | 29°34 | 27°33 | 15°20 | 29° 2 | 15°44 | 17°34 | 28° 8 | 29° 0 | T 25 |
| F 26 | 14 39 29 | 11°18'28 | 17°11 | 29°50 | 15°26 | 6°23 | 27°31 | 29°42 | 27°35 | 15°19 | 29° 4 | 15°D43 | 17°31 | 28°14 | 28°55 | F 26 |
| S 27 | 14 43 26 | 12°16'15 | 29°22 | 1♉51 | 16°37 | 7° 3 | 27°27 | 29°49 | 27°36 | 15°18 | 29° 5 | 15°44 | 17°28 | 28°21 | 28°51 | S 27 |
| S 28 | 14 47 23 | 13°14'01 | 11♋45 | 3°53 | 17°48 | 7°43 | 27°24 | 29°57 | 27°38 | 15°17 | 29° 6 | 15°46 | 17°24 | 28°28 | 28°47 | S 28 |
| M29 | 14 51 19 | 14°11'45 | 24°24 | 5°57 | 18°59 | 8°23 | 27°20 | 0♊ 4 | 27°39 | 15°17 | 29° 8 | 15°47 | 17°21 | 28°34 | 28°42 | M29 |
| T 30 | 14 55 16 | 15♉ 9'27 | 7♌22 | 8♉ 2 | 20♊10 | 9♊ 3 | 27♐16 | 0♊12 | 27♋41 | 15♍16 | 29♈ 9 | 15♐48 | 17♐18 | 28♈41 | 28♎38 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n45 | 20n21 | 2s22 | 6s15 | 2s29 | 17n 4 | 0n32 | 18n16 | 0n34 | 23s11 | 0n21 | 17n54 | 1s39 | 21n24 | 0n36 | 6n52 | 1n20 | 3s51 | 15s52 | 22s57 | 23s 5 | 13n44 | 11s48 | 0n 1 |
| T 2 | 7 7 | 17 24 | 3 20 | 5 50 | 2 33 | 17 28 | 0 35 | 18 27 | 0 35 | 23 11 | 0 21 | 17 56 | 1 39 | 21 24 | 0 36 | 6 53 | 1 20 | 3 51 | 15 52 | 22 57 | 23 5 | 13 46 | 11 46 | 0 1 |
| W 3 | 7 29 | 13 28 | 4 8 | 5 24 | 2 36 | 17 51 | 0 38 | 18 39 | 0 35 | 23 11 | 0 21 | 17 58 | 1 39 | 21 24 | 0 36 | 6 53 | 1 20 | 3 50 | 15 52 | 22 57 | 23 4 | 13 48 | 11 44 | 0 1 |
| T 4 | 7 52 | 8 42 | 4 44 | 4 57 | 2 39 | 18 14 | 0 41 | 18 50 | 0 36 | 23 11 | 0 21 | 18 0 | 1 38 | 21 24 | 0 36 | 6 54 | 1 20 | 3 50 | 15 52 | 22 56 | 23 4 | 13 50 | 11 42 | 0 2 |
| F 5 | 8 14 | 3 18 | 5 3 | 4 28 | 2 41 | 18 36 | 0 44 | 19 1 | 0 36 | 23 11 | 0 21 | 18 1 | 1 38 | 21 24 | 0 36 | 6 54 | 1 20 | 3 49 | 15 52 | 22 56 | 23 4 | 13 52 | 11 40 | 0 2 |
| S 6 | 8 36 | 2s26 | 5 3 | 3 57 | 2 42 | 18 58 | 0 47 | 19 12 | 0 37 | 23 11 | 0 21 | 18 3 | 1 38 | 21 24 | 0 36 | 6 55 | 1 20 | 3 49 | 15 51 | 22 55 | 23 4 | 13 54 | 11 39 | 0 2 |
| S 7 | 8 57 | 8 9 | 4 42 | 3 25 | 2 43 | 19 20 | 0 49 | 19 23 | 0 37 | 23 11 | 0 21 | 18 5 | 1 38 | 21 24 | 0 36 | 6 55 | 1 20 | 3 48 | 15 51 | 22 54 | 23 3 | 13 56 | 11 37 | 0 3 |
| M 8 | 9 19 | 13 26 | 4 1 | 2 52 | 2 44 | 19 41 | 0 52 | 19 33 | 0 38 | 23 11 | 0 21 | 18 6 | 1 38 | 21 24 | 0 36 | 6 56 | 1 20 | 3 48 | 15 51 | 22 53 | 23 3 | 13 58 | 11 35 | 0 3 |
| T 9 | 9 41 | 17 50 | 3 2 | 2 17 | 2 44 | 20 1 | 0 55 | 19 44 | 0 38 | 23 11 | 0 21 | 18 8 | 1 38 | 21 23 | 0 36 | 6 56 | 1 20 | 3 47 | 15 51 | 22 53 | 23 3 | 14 0 | 11 33 | 0 3 |
| W10 | 10 2 | 20 59 | 1 52 | 1 42 | 2 43 | 20 21 | 0 58 | 19 54 | 0 39 | 23 11 | 0 21 | 18 10 | 1 37 | 21 23 | 0 36 | 6 57 | 1 20 | 3 47 | 15 51 | 22 52 | 23 2 | 14 2 | 11 31 | 0 4 |
| T 11 | 10 23 | 22 38 | 0 35 | 1 4 | 2 42 | 20 41 | 1 1 | 20 4 | 0 39 | 23 11 | 0 21 | 18 12 | 1 37 | 21 23 | 0 36 | 6 57 | 1 20 | 3 46 | 15 51 | 22 52 | 23 2 | 14 4 | 11 29 | 0 4 |
| F 12 | 10 44 | 22 44 | 0n42 | 0 26 | 2 40 | 21 0 | 1 3 | 20 14 | 0 40 | 23 11 | 0 21 | 18 13 | 1 37 | 21 23 | 0 36 | 6 57 | 1 20 | 3 46 | 15 51 | 22 52 | 23 2 | 14 6 | 11 27 | 0 4 |
| S 13 | 11 5 | 21 24 | 1 54 | 0n13 | 2 37 | 21 18 | 1 6 | 20 23 | 0 40 | 23 12 | 0 21 | 18 15 | 1 37 | 21 23 | 0 36 | 6 58 | 1 20 | 3 45 | 15 51 | 22 52 | 23 2 | 14 7 | 11 25 | 0 5 |
| S 14 | 11 26 | 18 53 | 2 58 | 0 54 | 2 34 | 21 36 | 1 9 | 20 33 | 0 41 | 23 12 | 0 21 | 18 17 | 1 37 | 21 23 | 0 36 | 6 58 | 1 20 | 3 45 | 15 51 | 22 52 | 23 1 | 14 9 | 11 23 | 0 5 |
| M15 | 11 46 | 15 29 | 3 50 | 1 36 | 2 31 | 21 53 | 1 11 | 20 42 | 0 41 | 23 12 | 0 21 | 18 19 | 1 37 | 21 22 | 0 36 | 6 59 | 1 20 | 3 44 | 15 51 | 22 52 | 23 1 | 14 11 | 11 21 | 0 5 |
| T 16 | 12 6 | 11 27 | 4 30 | 2 19 | 2 27 | 22 10 | 1 14 | 20 52 | 0 42 | 23 12 | 0 20 | 18 20 | 1 37 | 21 22 | 0 36 | 6 59 | 1 20 | 3 44 | 15 51 | 22 52 | 23 1 | 14 13 | 11 19 | 0 6 |
| W17 | 12 26 | 7 1 | 4 56 | 3 2 | 2 22 | 22 26 | 1 17 | 21 1 | 0 42 | 23 12 | 0 20 | 18 22 | 1 36 | 21 22 | 0 36 | 6 59 | 1 20 | 3 43 | 15 51 | 22 52 | 23 0 | 14 15 | 11 17 | 0 6 |
| T 18 | 12 46 | 2 24 | 5 8 | 3 47 | 2 17 | 22 41 | 1 19 | 21 10 | 0 42 | 23 12 | 0 20 | 18 24 | 1 36 | 21 22 | 0 36 | 7 0 | 1 20 | 3 43 | 15 51 | 22 51 | 23 0 | 14 17 | 11 16 | 0 6 |
| F 19 | 13 6 | 2n15 | 5 6 | 4 33 | 2 12 | 22 56 | 1 22 | 21 18 | 0 43 | 23 12 | 0 20 | 18 26 | 1 36 | 21 21 | 0 36 | 7 0 | 1 20 | 3 42 | 15 51 | 22 51 | 23 0 | 14 19 | 11 14 | 0 7 |
| S 20 | 13 25 | 6 46 | 4 51 | 5 20 | 2 6 | 23 11 | 1 24 | 21 27 | 0 43 | 23 12 | 0 20 | 18 27 | 1 36 | 21 21 | 0 36 | 7 1 | 1 20 | 3 42 | 15 51 | 22 50 | 23 0 | 14 21 | 11 12 | 0 7 |
| S 21 | 13 45 | 11 2 | 4 24 | 6 7 | 1 59 | 23 24 | 1 26 | 21 35 | 0 44 | 23 12 | 0 20 | 18 29 | 1 36 | 21 21 | 0 36 | 7 1 | 1 20 | 3 41 | 15 51 | 22 49 | 22 59 | 14 23 | 11 10 | 0 7 |
| M22 | 14 4 | 14 51 | 3 45 | 6 55 | 1 52 | 23 37 | 1 29 | 21 43 | 0 44 | 23 12 | 0 20 | 18 31 | 1 36 | 21 21 | 0 36 | 7 1 | 1 20 | 3 41 | 15 51 | 22 48 | 22 59 | 14 25 | 11 8 | 0 7 |
| T 23 | 14 23 | 18 6 | 2 56 | 7 44 | 1 44 | 23 49 | 1 31 | 21 51 | 0 45 | 23 12 | 0 20 | 18 33 | 1 36 | 21 20 | 0 36 | 7 1 | 1 20 | 3 41 | 15 51 | 22 48 | 22 59 | 14 27 | 11 6 | 0 8 |
| W24 | 14 41 | 20 36 | 2 0 | 8 34 | 1 36 | 24 1 | 1 33 | 21 59 | 0 45 | 23 12 | 0 20 | 18 34 | 1 36 | 21 20 | 0 36 | 7 2 | 1 20 | 3 40 | 15 51 | 22 47 | 22 58 | 14 29 | 11 4 | 0 8 |
| T 25 | 15 0 | 22 12 | 0 57 | 9 24 | 1 28 | 24 12 | 1 36 | 22 6 | 0 45 | 23 12 | 0 20 | 18 36 | 1 35 | 21 20 | 0 36 | 7 2 | 1 20 | 3 40 | 15 51 | 22 47 | 22 58 | 14 30 | 11 2 | 0 8 |
| F 26 | 15 18 | 22 48 | 0s 8 | 10 14 | 1 19 | 24 22 | 1 38 | 22 14 | 0 46 | 23 12 | 0 20 | 18 38 | 1 35 | 21 20 | 0 36 | 7 2 | 1 20 | 3 39 | 15 51 | 22 47 | 22 58 | 14 32 | 11 0 | 0 9 |
| S 27 | 15 36 | 22 19 | 1 14 | 11 5 | 1 10 | 24 32 | 1 40 | 22 21 | 0 46 | 23 12 | 0 20 | 18 39 | 1 35 | 21 19 | 0 36 | 7 3 | 1 20 | 3 39 | 15 51 | 22 47 | 22 58 | 14 34 | 10 59 | 0 9 |
| S 28 | 15 53 | 20 45 | 2 18 | 11 56 | 1 0 | 24 41 | 1 42 | 22 28 | 0 47 | 23 12 | 0 20 | 18 41 | 1 35 | 21 19 | 0 36 | 7 3 | 1 20 | 3 38 | 15 51 | 22 47 | 22 57 | 14 36 | 10 57 | 0 9 |
| M29 | 16 10 | 18 7 | 3 16 | 12 46 | 0 50 | 24 49 | 1 44 | 22 35 | 0 47 | 23 12 | 0 19 | 18 43 | 1 35 | 21 19 | 0 36 | 7 3 | 1 20 | 3 38 | 15 52 | 22 47 | 22 57 | 14 38 | 10 55 | 0 10 |
| T 30 | 16n28 | 14n33 | 4s 6 | 13n37 | 0s40 | 24n57 | 1n46 | 22n42 | 0n47 | 23s12 | 0n19 | 18n45 | 1s35 | 21n18 | 0n36 | 7n 3 | 1n20 | 3s38 | 15s52 | 22s48 | 22s57 | 14n40 | 10s53 | 0n10 |

Julian Day Number = 2129497.5, Delta T = 16m46s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'51, Lahiri = 11°33'52 Julian Calendar 1 Apr. 1118 == Greg. Calendar 8 Apr. 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## MAY 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 59 12 | 16♉ 7'08 | 20♌43 | 10♉ 9 | 21♊20 | 9♊43 | 27°R13 | 0♊20 | 27♋43 | 15°R15 | 29♈10 | 15°R48 | 17♐15 | 28♈48 | 28°R34 | W 1 |
| T 2 | 15 3 9 | 17° 4'47 | 4♍29 | 12°17 | 22°31 | 10°23 | 27♐ 8 | 0°27 | 27°44 | 15♍15 | 29°12 | 15♐47 | 17°12 | 28°55 | 28♎30 | T 2 |
| F 3 | 15 7 5 | 18° 2'24 | 18°41 | 14°27 | 23°42 | 11° 2 | 27° 4 | 0°35 | 27°46 | 15°14 | 29°13 | 15°45 | 17° 8 | 29° 1 | 28°26 | F 3 |
| S 4 | 15 11 2 | 19° 0'00 | 3♎17 | 16°37 | 24°52 | 11°42 | 27° 0 | 0°43 | 27°48 | 15°14 | 29°14 | 15°42 | 17° 5 | 29° 8 | 28°22 | S 4 |
| S 5 | 15 14 58 | 19°57'34 | 18°11 | 18°48 | 26° 3 | 12°22 | 26°55 | 0°51 | 27°50 | 15°13 | 29°16 | 15°39 | 17° 2 | 29°15 | 28°18 | S 5 |
| M 6 | 15 18 55 | 20°55'07 | 3♏18 | 21° 0 | 27°13 | 13° 1 | 26°50 | 0°58 | 27°52 | 15°13 | 29°17 | 15°35 | 16°59 | 29°21 | 28°14 | M 6 |
| T 7 | 15 22 52 | 21°52'39 | 18°28 | 23°11 | 28°24 | 13°41 | 26°45 | 1° 6 | 27°54 | 15°12 | 29°18 | 15°33 | 16°56 | 29°28 | 28°10 | T 7 |
| W 8 | 15 26 48 | 22°50'09 | 3♐31 | 25°23 | 29°34 | 14°20 | 26°40 | 1°14 | 27°56 | 15°12 | 29°19 | 15°31 | 16°53 | 29°35 | 28° 6 | W 8 |
| T 9 | 15 30 45 | 23°47'39 | 18°19 | 27°34 | 0♋44 | 15° 0 | 26°35 | 1°22 | 27°58 | 15°11 | 29°21 | 15°D31 | 16°49 | 29°41 | 28° 2 | T 9 |
| F 10 | 15 34 41 | 24°45'07 | 2♑44 | 29°45 | 1°54 | 15°40 | 26°30 | 1°30 | 28° 0 | 15°11 | 29°22 | 15°32 | 16°46 | 29°48 | 27°58 | F 10 |
| S 11 | 15 38 38 | 25°42'35 | 16°44 | 1♊55 | 3° 4 | 16°19 | 26°24 | 1°37 | 28° 2 | 15°11 | 29°23 | 15°33 | 16°43 | 29°55 | 27°55 | S 11 |
| S 12 | 15 42 34 | 26°40'02 | 0♒17 | 4° 4 | 4°14 | 16°59 | 26°19 | 1°45 | 28° 4 | 15°11 | 29°24 | 15°34 | 16°40 | 0♉ 1 | 27°51 | S 12 |
| M13 | 15 46 31 | 27°37'28 | 13°24 | 6°11 | 5°24 | 17°38 | 26°13 | 1°53 | 28° 6 | 15°10 | 29°26 | 15°35 | 16°37 | 0° 8 | 27°48 | M13 |
| T 14 | 15 50 28 | 28°34'53 | 26° 9 | 8°17 | 6°33 | 18°17 | 26° 7 | 2° 1 | 28° 8 | 15°10 | 29°27 | 15°R36 | 16°34 | 0°15 | 27°44 | T 14 |
| W15 | 15 54 24 | 29°32'17 | 8♓34 | 10°21 | 7°43 | 18°57 | 26° 1 | 2° 9 | 28°11 | 15°10 | 29°28 | 15°36 | 16°30 | 0°21 | 27°41 | W15 |
| T 16 | 15 58 21 | 0♊29'41 | 20°45 | 12°24 | 8°52 | 19°36 | 25°55 | 2°16 | 28°13 | 15°10 | 29°29 | 15°35 | 16°27 | 0°28 | 27°37 | T 16 |
| F 17 | 16 2 17 | 1°27'04 | 2♈44 | 14°24 | 10° 2 | 20°16 | 25°49 | 2°24 | 28°15 | 15° 9 | 29°30 | 15°33 | 16°24 | 0°35 | 27°34 | F 17 |
| S 18 | 16 6 14 | 2°24'27 | 14°37 | 16°22 | 11°11 | 20°55 | 25°42 | 2°32 | 28°18 | 15° 9 | 29°32 | 15°31 | 16°21 | 0°42 | 27°31 | S 18 |
| S 19 | 16 10 10 | 3°21'48 | 26°27 | 18°18 | 12°20 | 21°34 | 25°36 | 2°40 | 28°20 | 15° 9 | 29°33 | 15°29 | 16°18 | 0°48 | 27°28 | S 19 |
| M20 | 16 14 7 | 4°19'10 | 8♉16 | 20°11 | 13°29 | 22°13 | 25°29 | 2°48 | 28°23 | 15° 9 | 29°34 | 15°28 | 16°14 | 0°55 | 27°25 | M20 |
| T 21 | 16 18 3 | 5°16'30 | 20° 9 | 22° 2 | 14°38 | 22°53 | 25°23 | 2°56 | 28°25 | 15°D 9 | 29°35 | 15°27 | 16°11 | 1° 2 | 27°22 | T 21 |
| W22 | 16 22 0 | 6°13'50 | 2♊ 7 | 23°51 | 15°47 | 23°32 | 25°16 | 3° 4 | 28°28 | 15° 9 | 29°36 | 15°26 | 16° 8 | 1° 8 | 27°19 | W22 |
| T 23 | 16 25 56 | 7°11'09 | 14°12 | 25°37 | 16°56 | 24°11 | 25° 9 | 3°11 | 28°30 | 15° 9 | 29°37 | 15°D26 | 16° 5 | 1°15 | 27°16 | T 23 |
| F 24 | 16 29 53 | 8° 8'28 | 26°26 | 27°20 | 18° 5 | 24°50 | 25° 2 | 3°19 | 28°33 | 15° 9 | 29°39 | 15°26 | 16° 2 | 1°22 | 27°13 | F 24 |
| S 25 | 16 33 50 | 9° 5'45 | 8♋50 | 29° 1 | 19°13 | 25°30 | 24°55 | 3°27 | 28°36 | 15°10 | 29°40 | 15°26 | 15°59 | 1°28 | 27°11 | S 25 |
| S 26 | 16 37 46 | 10° 3'02 | 21°27 | 0♌40 | 20°22 | 26° 9 | 24°48 | 3°35 | 28°38 | 15°10 | 29°41 | 15°27 | 15°55 | 1°35 | 27° 8 | S 26 |
| M27 | 16 41 43 | 11° 0'18 | 4♌19 | 2°16 | 21°30 | 26°48 | 24°41 | 3°43 | 28°41 | 15°10 | 29°42 | 15°27 | 15°52 | 1°42 | 27° 6 | M27 |
| T 28 | 16 45 39 | 11°57'34 | 17°26 | 3°49 | 22°38 | 27°27 | 24°33 | 3°50 | 28°44 | 15°10 | 29°43 | 15°28 | 15°49 | 1°48 | 27° 4 | T 28 |
| W29 | 16 49 36 | 12°54'48 | 0♍51 | 5°20 | 23°46 | 28° 6 | 24°26 | 3°58 | 28°47 | 15°10 | 29°44 | 15°28 | 15°46 | 1°55 | 27° 1 | W29 |
| T 30 | 16 53 32 | 13°52'02 | 14°35 | 6°48 | 24°54 | 28°45 | 24°19 | 4° 6 | 28°50 | 15°11 | 29°45 | 15°R28 | 15°43 | 2° 2 | 26°59 | T 30 |
| F 31 | 16 57 29 | 14♊49'15 | 28♍37 | 8♋14 | 26♋ 2 | 29♊24 | 24♐11 | 4♊14 | 28♋53 | 15♍11 | 29♈46 | 15♐28 | 15♐40 | 2♉ 8 | 26♎57 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n44 | 10n10 | 4s44 | 14n28 | 0s30 | 25n 4 | 1n48 | 22n48 | 0n48 | 23s12 | 0n19 | 18n46 | 1s35 | 21n18 | 0n35 | 7n 4 | 1n20 | 3s37 | 15s52 | 22s48 | 22s56 | 14n42 | 10s51 | 0n10 |
| T 2 | 17 1 | 5 8 | 5 8 | 15 17 | 0 19 | 25 10 | 1 50 | 22 54 | 0 48 | 23 12 | 0 19 | 18 48 | 1 35 | 21 17 | 0 35 | 7 4 | 1 20 | 3 37 | 15 52 | 22 47 | 22 56 | 14 44 | 10 49 | 0 11 |
| F 3 | 17 17 | 0s18 | 5 13 | 16 6 | 0 9 | 25 16 | 1 52 | 23 0 | 0 49 | 23 12 | 0 19 | 18 50 | 1 35 | 21 17 | 0 35 | 7 4 | 1 20 | 3 37 | 15 52 | 22 47 | 22 56 | 14 45 | 10 48 | 0 11 |
| S 4 | 17 33 | 5 53 | 4 59 | 16 55 | 0n 2 | 25 20 | 1 53 | 23 6 | 0 49 | 23 12 | 0 19 | 18 51 | 1 35 | 21 17 | 0 35 | 7 4 | 1 20 | 3 36 | 15 52 | 22 47 | 22 55 | 14 47 | 10 46 | 0 11 |
| S 5 | 17 49 | 11 14 | 4 25 | 17 42 | 0 12 | 25 25 | 1 55 | 23 12 | 0 49 | 23 12 | 0 19 | 18 53 | 1 34 | 21 16 | 0 35 | 7 4 | 1 20 | 3 36 | 15 52 | 22 47 | 22 55 | 14 49 | 10 44 | 0 12 |
| M 6 | 18 4 | 15 59 | 3 32 | 18 27 | 0 23 | 25 28 | 1 57 | 23 17 | 0 50 | 23 12 | 0 19 | 18 55 | 1 34 | 21 16 | 0 35 | 7 4 | 1 19 | 3 36 | 15 52 | 22 46 | 22 55 | 14 51 | 10 43 | 0 12 |
| T 7 | 18 19 | 19 42 | 2 23 | 19 11 | 0 33 | 25 31 | 1 58 | 23 23 | 0 50 | 23 12 | 0 19 | 18 56 | 1 34 | 21 16 | 0 35 | 7 5 | 1 19 | 3 35 | 15 52 | 22 46 | 22 54 | 14 53 | 10 41 | 0 12 |
| W 8 | 18 34 | 22 2 | 1 6 | 19 54 | 0 43 | 25 33 | 1 59 | 23 28 | 0 50 | 23 12 | 0 19 | 18 58 | 1 34 | 21 15 | 0 35 | 7 5 | 1 19 | 3 35 | 15 52 | 22 46 | 22 54 | 14 55 | 10 39 | 0 13 |
| T 9 | 18 49 | 22 47 | 0n15 | 20 34 | 0 53 | 25 34 | 2 1 | 23 33 | 0 51 | 23 12 | 0 19 | 19 0 | 1 34 | 21 15 | 0 35 | 7 5 | 1 19 | 3 35 | 15 52 | 22 46 | 22 54 | 14 57 | 10 37 | 0 13 |
| F 10 | 19 3 | 21 58 | 1 34 | 21 12 | 1 2 | 25 34 | 2 2 | 23 37 | 0 51 | 23 12 | 0 18 | 19 1 | 1 34 | 21 14 | 0 35 | 7 5 | 1 19 | 3 34 | 15 53 | 22 46 | 22 54 | 14 58 | 10 36 | 0 13 |
| S 11 | 19 17 | 19 47 | 2 44 | 21 48 | 1 11 | 25 34 | 2 3 | 23 42 | 0 52 | 23 12 | 0 18 | 19 3 | 1 34 | 21 14 | 0 35 | 7 5 | 1 19 | 3 34 | 15 53 | 22 46 | 22 53 | 15 0 | 10 34 | 0 13 |
| S 12 | 19 30 | 16 34 | 3 43 | 22 21 | 1 19 | 25 33 | 2 4 | 23 46 | 0 52 | 23 12 | 0 18 | 19 5 | 1 34 | 21 13 | 0 35 | 7 5 | 1 19 | 3 34 | 15 53 | 22 46 | 22 53 | 15 2 | 10 33 | 0 14 |
| M13 | 19 43 | 12 36 | 4 28 | 22 52 | 1 27 | 25 32 | 2 5 | 23 50 | 0 52 | 23 12 | 0 18 | 19 6 | 1 34 | 21 13 | 0 35 | 7 5 | 1 19 | 3 33 | 15 53 | 22 46 | 22 53 | 15 4 | 10 31 | 0 14 |
| T 14 | 19 56 | 8 11 | 4 58 | 23 20 | 1 34 | 25 30 | 2 6 | 23 54 | 0 53 | 23 12 | 0 18 | 19 8 | 1 34 | 21 12 | 0 35 | 7 5 | 1 19 | 3 33 | 15 53 | 22 46 | 22 52 | 15 6 | 10 30 | 0 14 |
| W15 | 20 9 | 3 33 | 5 14 | 23 46 | 1 40 | 25 27 | 2 7 | 23 58 | 0 53 | 23 12 | 0 18 | 19 10 | 1 34 | 21 12 | 0 35 | 7 5 | 1 19 | 3 33 | 15 53 | 22 46 | 22 52 | 15 8 | 10 28 | 0 15 |
| T 16 | 20 21 | 1n 8 | 5 15 | 24 9 | 1 46 | 25 23 | 2 8 | 24 2 | 0 53 | 23 12 | 0 18 | 19 11 | 1 33 | 21 11 | 0 35 | 7 5 | 1 19 | 3 33 | 15 53 | 22 46 | 22 52 | 15 9 | 10 27 | 0 15 |
| F 17 | 20 33 | 5 42 | 5 2 | 24 29 | 1 51 | 25 19 | 2 9 | 24 5 | 0 54 | 23 12 | 0 18 | 19 13 | 1 33 | 21 11 | 0 35 | 7 5 | 1 19 | 3 32 | 15 53 | 22 46 | 22 51 | 15 11 | 10 25 | 0 15 |
| S 18 | 20 44 | 10 2 | 4 36 | 24 46 | 1 56 | 25 14 | 2 9 | 24 8 | 0 54 | 23 11 | 0 18 | 19 14 | 1 33 | 21 10 | 0 35 | 7 5 | 1 19 | 3 32 | 15 54 | 22 46 | 22 51 | 15 13 | 10 24 | 0 16 |
| S 19 | 20 56 | 13 58 | 3 59 | 25 1 | 1 59 | 25 8 | 2 10 | 24 11 | 0 54 | 23 11 | 0 17 | 19 16 | 1 33 | 21 10 | 0 35 | 7 5 | 1 19 | 3 32 | 15 54 | 22 46 | 22 51 | 15 15 | 10 22 | 0 16 |
| M20 | 21 6 | 17 21 | 3 12 | 25 13 | 2 2 | 25 1 | 2 10 | 24 14 | 0 54 | 23 11 | 0 17 | 19 18 | 1 33 | 21 9 | 0 35 | 7 5 | 1 19 | 3 32 | 15 54 | 22 45 | 22 50 | 15 17 | 10 21 | 0 16 |
| T 21 | 21 17 | 20 2 | 2 16 | 25 23 | 2 4 | 24 54 | 2 11 | 24 16 | 0 55 | 23 11 | 0 17 | 19 19 | 1 33 | 21 9 | 0 35 | 7 5 | 1 19 | 3 31 | 15 54 | 22 45 | 22 50 | 15 18 | 10 20 | 0 16 |
| W22 | 21 27 | 21 53 | 1 13 | 25 30 | 2 6 | 24 47 | 2 11 | 24 19 | 0 55 | 23 11 | 0 17 | 19 21 | 1 33 | 21 8 | 0 35 | 7 5 | 1 19 | 3 31 | 15 54 | 22 45 | 22 50 | 15 20 | 10 18 | 0 17 |
| T 23 | 21 37 | 22 43 | 0 7 | 25 35 | 2 6 | 24 38 | 2 11 | 24 21 | 0 55 | 23 11 | 0 17 | 19 22 | 1 33 | 21 8 | 0 35 | 7 5 | 1 19 | 3 31 | 15 54 | 22 45 | 22 49 | 15 22 | 10 17 | 0 17 |
| F 24 | 21 46 | 22 30 | 1s 1 | 25 38 | 2 6 | 24 29 | 2 11 | 24 23 | 0 56 | 23 11 | 0 17 | 19 24 | 1 33 | 21 7 | 0 35 | 7 5 | 1 19 | 3 31 | 15 55 | 22 45 | 22 49 | 15 24 | 10 16 | 0 17 |
| S 25 | 21 55 | 21 9 | 2 6 | 25 38 | 2 5 | 24 20 | 2 11 | 24 25 | 0 56 | 23 11 | 0 17 | 19 25 | 1 33 | 21 7 | 0 35 | 7 5 | 1 19 | 3 30 | 15 55 | 22 45 | 22 49 | 15 25 | 10 15 | 0 18 |
| S 26 | 22 4 | 18 45 | 3 7 | 25 37 | 2 4 | 24 9 | 2 11 | 24 26 | 0 56 | 23 10 | 0 17 | 19 27 | 1 33 | 21 6 | 0 35 | 7 5 | 1 19 | 3 30 | 15 55 | 22 45 | 22 48 | 15 27 | 10 13 | 0 18 |
| M27 | 22 12 | 15 24 | 3 59 | 25 33 | 2 1 | 23 58 | 2 10 | 24 27 | 0 57 | 23 10 | 0 16 | 19 28 | 1 33 | 21 5 | 0 35 | 7 5 | 1 19 | 3 30 | 15 55 | 22 45 | 22 48 | 15 29 | 10 12 | 0 18 |
| T 28 | 22 20 | 11 14 | 4 40 | 25 28 | 1 58 | 23 47 | 2 10 | 24 29 | 0 57 | 23 10 | 0 16 | 19 30 | 1 33 | 21 5 | 0 35 | 7 5 | 1 19 | 3 30 | 15 55 | 22 45 | 22 48 | 15 31 | 10 11 | 0 19 |
| W29 | 22 27 | 6 26 | 5 7 | 25 21 | 1 55 | 23 34 | 2 9 | 24 30 | 0 57 | 23 10 | 0 16 | 19 31 | 1 33 | 21 4 | 0 35 | 7 5 | 1 19 | 3 30 | 15 56 | 22 45 | 22 47 | 15 32 | 10 10 | 0 19 |
| T 30 | 22 34 | 1 13 | 5 17 | 25 13 | 1 50 | 23 22 | 2 9 | 24 30 | 0 57 | 23 10 | 0 16 | 19 33 | 1 33 | 21 4 | 0 35 | 7 5 | 1 19 | 3 30 | 15 56 | 22 45 | 22 47 | 15 34 | 10 9 | 0 19 |
| F 31 | 22n41 | 4s10 | 5s 9 | 25n 3 | 1n45 | 23n 8 | 2n 8 | 24n31 | 0n58 | 23s10 | 0n16 | 19n34 | 1s33 | 21n 3 | 0n35 | 7n 4 | 1n19 | 3s29 | 15s56 | 22s45 | 22s47 | 15n36 | 10s 8 | 0n19 |

Julian Day Number = 2129527.5, Delta T = 16m46s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'55, Lahiri = 11°33'56 Julian Calendar 1 May 1118 == Greg. Calendar 8 May 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## JUNE 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 1 26 | 15♊46'27 | 12♎57 | 9♋37 | 27♋10 | 0♋ 3 | 24°R 4 | 4♊22 | 28♋55 | 15♍11 | 29♈47 | 15°D28 | 15♐36 | 2♉15 | 26°R55 | S 1 |
| S 2 | 17 5 22 | 16°43'38 | 27°32 | 10°57 | 28°17 | 0°42 | 23♐56 | 4°29 | 28°58 | 15°12 | 29°48 | 15♐28 | 15°33 | 2°22 | 26♎53 | S 2 |
| M 3 | 17 9 19 | 17°40'49 | 12♏18 | 12°14 | 29°25 | 1°21 | 23°48 | 4°37 | 29° 1 | 15°12 | 29°49 | 15°28 | 15°30 | 2°28 | 26°52 | M 3 |
| T 4 | 17 13 15 | 18°37'59 | 27° 7 | 13°29 | 0♌32 | 2° 0 | 23°41 | 4°45 | 29° 4 | 15°13 | 29°50 | 15°28 | 15°27 | 2°35 | 26°50 | T 4 |
| W 5 | 17 17 12 | 19°35'09 | 11♐54 | 14°40 | 1°39 | 2°39 | 23°33 | 4°52 | 29° 7 | 15°13 | 29°51 | 15°R28 | 15°24 | 2°42 | 26°48 | W 5 |
| T 6 | 17 21 8 | 20°32'19 | 26°31 | 15°49 | 2°46 | 3°18 | 23°26 | 5° 0 | 29°10 | 15°14 | 29°52 | 15°28 | 15°20 | 2°49 | 26°47 | T 6 |
| F 7 | 17 25 5 | 21°29'28 | 10♑52 | 16°55 | 3°53 | 3°57 | 23°18 | 5° 8 | 29°14 | 15°14 | 29°53 | 15°28 | 15°17 | 2°55 | 26°46 | F 7 |
| S 8 | 17 29 1 | 22°26'37 | 24°51 | 17°58 | 5° 0 | 4°35 | 23°10 | 5°15 | 29°17 | 15°15 | 29°54 | 15°27 | 15°14 | 3° 2 | 26°44 | S 8 |
| S 9 | 17 32 58 | 23°23'47 | 8♒27 | 18°57 | 6° 6 | 5°14 | 23° 3 | 5°23 | 29°20 | 15°15 | 29°55 | 15°26 | 15°11 | 3° 9 | 26°43 | S 9 |
| M10 | 17 36 55 | 24°20'56 | 21°39 | 19°54 | 7°12 | 5°53 | 22°55 | 5°31 | 29°23 | 15°16 | 29°55 | 15°25 | 15° 8 | 3°15 | 26°42 | M10 |
| T 11 | 17 40 51 | 25°18'05 | 4♓27 | 20°47 | 8°18 | 6°32 | 22°47 | 5°38 | 29°26 | 15°17 | 29°56 | 15°25 | 15° 5 | 3°22 | 26°41 | T 11 |
| W12 | 17 44 48 | 26°15'14 | 16°56 | 21°36 | 9°24 | 7°11 | 22°40 | 5°46 | 29°29 | 15°17 | 29°57 | 15°24 | 15° 1 | 3°29 | 26°40 | W12 |
| T 13 | 17 48 44 | 27°12'24 | 29° 8 | 22°22 | 10°30 | 7°49 | 22°32 | 5°53 | 29°33 | 15°18 | 29°58 | 15°D24 | 14°58 | 3°35 | 26°39 | T 13 |
| F 14 | 17 52 41 | 28° 9'34 | 11♈ 8 | 23° 4 | 11°36 | 8°28 | 22°24 | 6° 1 | 29°36 | 15°19 | 29°59 | 15°24 | 14°55 | 3°42 | 26°39 | F 14 |
| S 15 | 17 56 37 | 29° 6'44 | 23° 0 | 23°43 | 12°41 | 9° 7 | 22°17 | 6° 8 | 29°39 | 15°20 | 29°59 | 15°25 | 14°52 | 3°49 | 26°38 | S 15 |
| S 16 | 18 0 34 | 0♋ 3'55 | 4♉50 | 24°17 | 13°47 | 9°46 | 22° 9 | 6°15 | 29°43 | 15°20 | 0♉ 0 | 15°26 | 14°49 | 3°55 | 26°38 | S 16 |
| M17 | 18 4 30 | 1° 1'05 | 16°42 | 24°48 | 14°52 | 10°24 | 22° 2 | 6°23 | 29°46 | 15°21 | 0° 1 | 15°28 | 14°46 | 4° 2 | 26°37 | M17 |
| T 18 | 18 8 27 | 1°58'16 | 28°38 | 25°14 | 15°56 | 11° 3 | 21°54 | 6°30 | 29°49 | 15°22 | 0° 2 | 15°29 | 14°42 | 4° 9 | 26°37 | T 18 |
| W19 | 18 12 24 | 2°55'28 | 10♊43 | 25°36 | 17° 1 | 11°42 | 21°47 | 6°38 | 29°53 | 15°23 | 0° 3 | 15°R29 | 14°39 | 4°15 | 26°37 | W19 |
| T 20 | 18 16 20 | 3°52'40 | 23° 0 | 25°53 | 18° 6 | 12°20 | 21°39 | 6°45 | 29°56 | 15°24 | 0° 3 | 15°29 | 14°36 | 4°22 | 26°D37 | T 20 |
| F 21 | 18 20 17 | 4°49'52 | 5♋29 | 26° 6 | 19°10 | 12°59 | 21°32 | 6°52 | 29°59 | 15°25 | 0° 4 | 15°28 | 14°33 | 4°29 | 26°37 | F 21 |
| S 22 | 18 24 13 | 5°47'04 | 18°12 | 26°15 | 20°14 | 13°38 | 21°25 | 6°59 | 0♌ 3 | 15°26 | 0° 5 | 15°26 | 14°30 | 4°35 | 26°37 | S 22 |
| S 23 | 18 28 10 | 6°44'16 | 1♌10 | 26°R18 | 21°18 | 14°16 | 21°17 | 7° 7 | 0° 6 | 15°27 | 0° 5 | 15°24 | 14°26 | 4°42 | 26°38 | S 23 |
| M24 | 18 32 6 | 7°41'29 | 14°22 | 26°17 | 22°21 | 14°55 | 21°10 | 7°14 | 0°10 | 15°28 | 0° 6 | 15°20 | 14°23 | 4°49 | 26°38 | M24 |
| T 25 | 18 36 3 | 8°38'41 | 27°48 | 26°11 | 23°24 | 15°33 | 21° 3 | 7°21 | 0°13 | 15°29 | 0° 6 | 15°17 | 14°20 | 4°55 | 26°39 | T 25 |
| W26 | 18 39 59 | 9°35'54 | 11♍27 | 26° 0 | 24°27 | 16°12 | 20°56 | 7°28 | 0°17 | 15°30 | 0° 7 | 15°14 | 14°17 | 5° 2 | 26°39 | W26 |
| T 27 | 18 43 56 | 10°33'07 | 25°17 | 25°44 | 25°30 | 16°50 | 20°49 | 7°35 | 0°20 | 15°31 | 0° 8 | 15°13 | 14°14 | 5° 9 | 26°40 | T 27 |
| F 28 | 18 47 53 | 11°30'20 | 9♎19 | 25°24 | 26°33 | 17°29 | 20°43 | 7°42 | 0°24 | 15°33 | 0° 8 | 15°D12 | 14°11 | 5°15 | 26°41 | F 28 |
| S 29 | 18 51 49 | 12°27'33 | 23°29 | 25° 0 | 27°35 | 18° 8 | 20°36 | 7°49 | 0°28 | 15°34 | 0° 9 | 15°12 | 14° 7 | 5°22 | 26°42 | S 29 |
| S 30 | 18 55 46 | 13♋24'47 | 7♏47 | 24♋31 | 28♌37 | 18♋46 | 20♐29 | 7♊56 | 0♌31 | 15♍35 | 0♉ 9 | 15♐13 | 14♐ 4 | 5♉29 | 26♎43 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n47 | 9s28 | 4s42 | 24n51 | 1n39 | 22n54 | 2n 7 | 24n31 | 0n58 | 23s 9 | 0n16 | 19n36 | 1s33 | 21n 2 | 0n35 | 7n 4 | 1n19 | 3s29 | 15s56 | 22s45 | 22s46 | 15n38 | 10s 7 | 0n20 |
| S 2 | 22 53 | 14 19 | 3 56 | 24 39 | 1 33 | 22 40 | 2 6 | 24 31 | 0 58 | 23 9 | 0 16 | 19 37 | 1 33 | 21 2 | 0 35 | 7 4 | 1 19 | 3 29 | 15 56 | 22 45 | 22 46 | 15 39 | 10 6 | 0 20 |
| M 3 | 22 59 | 18 21 | 2 54 | 24 25 | 1 26 | 22 25 | 2 5 | 24 31 | 0 59 | 23 9 | 0 16 | 19 39 | 1 33 | 21 1 | 0 35 | 7 4 | 1 19 | 3 29 | 15 57 | 22 45 | 22 46 | 15 41 | 10 5 | 0 20 |
| T 4 | 23 4 | 21 14 | 1 40 | 24 10 | 1 18 | 22 9 | 2 4 | 24 31 | 0 59 | 23 9 | 0 15 | 19 40 | 1 33 | 21 1 | 0 35 | 7 4 | 1 18 | 3 29 | 15 57 | 22 45 | 22 45 | 15 43 | 10 4 | 0 20 |
| W 5 | 23 9 | 22 39 | 0 20 | 23 54 | 1 10 | 21 53 | 2 3 | 24 31 | 0 59 | 23 8 | 0 15 | 19 42 | 1 33 | 21 0 | 0 35 | 7 3 | 1 18 | 3 29 | 15 57 | 22 45 | 22 45 | 15 45 | 10 4 | 0 21 |
| T 6 | 23 13 | 22 29 | 1n 1 | 23 38 | 1 1 | 21 36 | 2 2 | 24 30 | 0 59 | 23 8 | 0 15 | 19 43 | 1 32 | 20 59 | 0 35 | 7 3 | 1 18 | 3 29 | 15 57 | 22 45 | 22 45 | 15 46 | 10 3 | 0 21 |
| F 7 | 23 17 | 20 50 | 2 16 | 23 20 | 0 52 | 21 19 | 2 0 | 24 29 | 1 0 | 23 8 | 0 15 | 19 44 | 1 32 | 20 59 | 0 35 | 7 3 | 1 18 | 3 29 | 15 58 | 22 45 | 22 44 | 15 48 | 10 2 | 0 21 |
| S 8 | 23 20 | 17 57 | 3 22 | 23 2 | 0 42 | 21 1 | 1 58 | 24 28 | 1 0 | 23 8 | 0 15 | 19 46 | 1 32 | 20 58 | 0 35 | 7 3 | 1 18 | 3 29 | 15 58 | 22 45 | 22 44 | 15 50 | 10 1 | 0 22 |
| S 9 | 23 23 | 14 9 | 4 13 | 22 43 | 0 31 | 20 43 | 1 57 | 24 27 | 1 0 | 23 7 | 0 15 | 19 47 | 1 32 | 20 57 | 0 35 | 7 2 | 1 18 | 3 28 | 15 58 | 22 45 | 22 43 | 15 51 | 10 1 | 0 22 |
| M10 | 23 26 | 9 47 | 4 50 | 22 24 | 0 20 | 20 25 | 1 55 | 24 26 | 1 0 | 23 7 | 0 15 | 19 48 | 1 32 | 20 57 | 0 35 | 7 2 | 1 18 | 3 28 | 15 58 | 22 45 | 22 43 | 15 53 | 10 0 | 0 22 |
| T 11 | 23 28 | 5 5 | 5 11 | 22 5 | 0 9 | 20 5 | 1 53 | 24 24 | 1 1 | 23 7 | 0 14 | 19 50 | 1 32 | 20 56 | 0 35 | 7 2 | 1 18 | 3 28 | 15 59 | 22 45 | 22 43 | 15 55 | 9 59 | 0 22 |
| W12 | 23 30 | 0 19 | 5 17 | 21 45 | 0s 3 | 19 46 | 1 51 | 24 22 | 1 1 | 23 7 | 0 14 | 19 51 | 1 32 | 20 55 | 0 35 | 7 2 | 1 18 | 3 28 | 15 59 | 22 45 | 22 42 | 15 57 | 9 59 | 0 23 |
| T 13 | 23 31 | 4n21 | 5 8 | 21 25 | 0 16 | 19 26 | 1 49 | 24 20 | 1 1 | 23 6 | 0 14 | 19 52 | 1 32 | 20 55 | 0 35 | 7 1 | 1 18 | 3 28 | 15 59 | 22 45 | 22 42 | 15 58 | 9 58 | 0 23 |
| F 14 | 23 32 | 8 48 | 4 46 | 21 6 | 0 29 | 19 5 | 1 46 | 24 18 | 1 1 | 23 6 | 0 14 | 19 54 | 1 32 | 20 54 | 0 35 | 7 1 | 1 18 | 3 28 | 15 59 | 22 45 | 22 42 | 16 0 | 9 58 | 0 23 |
| S 15 | 23 33 | 12 52 | 4 11 | 20 46 | 0 42 | 18 44 | 1 44 | 24 16 | 1 2 | 23 6 | 0 14 | 19 55 | 1 32 | 20 53 | 0 35 | 7 1 | 1 18 | 3 28 | 16 0 | 22 45 | 22 41 | 16 2 | 9 57 | 0 23 |
| S 16 | 23 33 | 16 26 | 3 26 | 20 26 | 0 56 | 18 23 | 1 41 | 24 13 | 1 2 | 23 5 | 0 14 | 19 56 | 1 32 | 20 52 | 0 35 | 7 0 | 1 18 | 3 28 | 16 0 | 22 45 | 22 41 | 16 3 | 9 57 | 0 24 |
| M17 | 23 33 | 19 20 | 2 33 | 20 7 | 1 10 | 18 1 | 1 39 | 24 10 | 1 2 | 23 5 | 0 14 | 19 58 | 1 32 | 20 52 | 0 35 | 7 0 | 1 18 | 3 28 | 16 0 | 22 45 | 22 41 | 16 5 | 9 57 | 0 24 |
| T 18 | 23 32 | 21 27 | 1 32 | 19 48 | 1 25 | 17 39 | 1 36 | 24 7 | 1 2 | 23 5 | 0 13 | 19 59 | 1 32 | 20 51 | 0 35 | 6 59 | 1 18 | 3 28 | 16 0 | 22 45 | 22 40 | 16 7 | 9 56 | 0 24 |
| W19 | 23 31 | 22 36 | 0 26 | 19 30 | 1 39 | 17 17 | 1 33 | 24 4 | 1 2 | 23 5 | 0 13 | 20 0 | 1 32 | 20 50 | 0 35 | 6 59 | 1 18 | 3 28 | 16 1 | 22 46 | 22 40 | 16 8 | 9 56 | 0 24 |
| T 20 | 23 30 | 22 41 | 0s41 | 19 12 | 1 54 | 16 54 | 1 30 | 24 1 | 1 3 | 23 4 | 0 13 | 20 1 | 1 32 | 20 49 | 0 35 | 6 59 | 1 18 | 3 28 | 16 1 | 22 45 | 22 40 | 16 10 | 9 56 | 0 25 |
| F 21 | 23 28 | 21 38 | 1 48 | 18 55 | 2 9 | 16 31 | 1 27 | 23 57 | 1 3 | 23 4 | 0 13 | 20 3 | 1 32 | 20 49 | 0 35 | 6 58 | 1 18 | 3 28 | 16 1 | 22 45 | 22 39 | 16 12 | 9 56 | 0 25 |
| S 22 | 23 26 | 19 29 | 2 51 | 18 39 | 2 24 | 16 7 | 1 23 | 23 54 | 1 3 | 23 4 | 0 13 | 20 4 | 1 32 | 20 48 | 0 35 | 6 58 | 1 18 | 3 28 | 16 1 | 22 45 | 22 39 | 16 13 | 9 55 | 0 25 |
| S 23 | 23 23 | 16 19 | 3 46 | 18 23 | 2 39 | 15 44 | 1 20 | 23 50 | 1 3 | 23 3 | 0 13 | 20 5 | 1 32 | 20 47 | 0 35 | 6 57 | 1 18 | 3 28 | 16 2 | 22 45 | 22 38 | 16 15 | 9 55 | 0 26 |
| M24 | 23 20 | 12 18 | 4 30 | 18 9 | 2 54 | 15 20 | 1 16 | 23 46 | 1 3 | 23 3 | 0 12 | 20 6 | 1 32 | 20 47 | 0 35 | 6 57 | 1 18 | 3 28 | 16 2 | 22 45 | 22 38 | 16 17 | 9 55 | 0 26 |
| T 25 | 23 16 | 7 36 | 5 0 | 17 56 | 3 8 | 14 55 | 1 12 | 23 42 | 1 4 | 23 3 | 0 12 | 20 7 | 1 32 | 20 46 | 0 35 | 6 57 | 1 18 | 3 28 | 16 2 | 22 44 | 22 38 | 16 18 | 9 55 | 0 26 |
| W26 | 23 12 | 2 28 | 5 13 | 17 44 | 3 22 | 14 31 | 1 9 | 23 37 | 1 4 | 23 2 | 0 12 | 20 8 | 1 32 | 20 45 | 0 35 | 6 56 | 1 18 | 3 29 | 16 3 | 22 44 | 22 37 | 16 20 | 9 55 | 0 26 |
| T 27 | 23 8 | 2s51 | 5 9 | 17 34 | 3 36 | 14 6 | 1 5 | 23 33 | 1 4 | 23 2 | 0 12 | 20 10 | 1 32 | 20 44 | 0 35 | 6 56 | 1 18 | 3 29 | 16 3 | 22 44 | 22 37 | 16 21 | 9 55 | 0 26 |
| F 28 | 23 3 | 8 6 | 4 47 | 17 25 | 3 49 | 13 40 | 1 1 | 23 28 | 1 4 | 23 2 | 0 12 | 20 11 | 1 32 | 20 43 | 0 35 | 6 55 | 1 18 | 3 29 | 16 3 | 22 44 | 22 37 | 16 23 | 9 55 | 0 27 |
| S 29 | 22 58 | 12 59 | 4 7 | 17 17 | 4 1 | 13 15 | 0 56 | 23 23 | 1 4 | 23 1 | 0 12 | 20 12 | 1 32 | 20 43 | 0 35 | 6 55 | 1 18 | 3 29 | 16 3 | 22 44 | 22 36 | 16 25 | 9 55 | 0 27 |
| S 30 | 22n52 | 17s11 | 3s11 | 17n11 | 4s12 | 12n49 | 0n52 | 23n18 | 1n 5 | 23s 1 | 0n12 | 20n13 | 1s32 | 20n42 | 0n35 | 6n54 | 1n18 | 3s29 | 16s 4 | 22s44 | 22s36 | 16n26 | 9s56 | 0n27 |

Julian Day Number = 2129558.5, Delta T = 16m45s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°26'59, Lahiri = 11°34'00 Julian Calendar 1 June 1118 == Greg. Calendar 8 June 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## JULY 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 59 42 | 14♋22'01 | 22♏ 9 | 23°R59 | 29♌39 | 19♋25 | 20°R23 | 8♊ 3 | 0♌35 | 15♍36 | 0♉10 | 15♐15 | 14♐ 1 | 5♉35 | 26♎44 | M 1 |
| T 2 | 19 3 39 | 15°19'15 | 6♐33 | 23♋23 | 0♍40 | 20° 3 | 20♐17 | 8° 9 | 0°38 | 15°37 | 0°10 | 15°16 | 13°58 | 5°42 | 26°45 | T 2 |
| W 3 | 19 7 35 | 16°16'29 | 20°55 | 22°45 | 1°41 | 20°41 | 20°10 | 8°16 | 0°42 | 15°39 | 0°11 | 15°R16 | 13°55 | 5°49 | 26°47 | W 3 |
| T 4 | 19 11 32 | 17°13'44 | 5♑10 | 22° 5 | 2°42 | 21°20 | 20° 4 | 8°23 | 0°46 | 15°40 | 0°11 | 15°15 | 13°52 | 5°56 | 26°48 | T 4 |
| F 5 | 19 15 28 | 18°11'00 | 19°14 | 21°23 | 3°42 | 21°58 | 19°58 | 8°30 | 0°49 | 15°41 | 0°12 | 15°12 | 13°48 | 6° 2 | 26°50 | F 5 |
| S 6 | 19 19 25 | 19° 8'16 | 3♒ 2 | 20°40 | 4°42 | 22°37 | 19°52 | 8°36 | 0°53 | 15°43 | 0°12 | 15° 7 | 13°45 | 6° 9 | 26°51 | S 6 |
| S 7 | 19 23 22 | 20° 5'33 | 16°31 | 19°57 | 5°42 | 23°15 | 19°47 | 8°43 | 0°57 | 15°44 | 0°12 | 15° 2 | 13°42 | 6°16 | 26°53 | S 7 |
| M 8 | 19 27 18 | 21° 2'51 | 29°40 | 19°15 | 6°42 | 23°54 | 19°41 | 8°49 | 1° 0 | 15°46 | 0°13 | 14°56 | 13°39 | 6°22 | 26°55 | M 8 |
| T 9 | 19 31 15 | 22° 0'10 | 12♓28 | 18°34 | 7°41 | 24°32 | 19°36 | 8°56 | 1° 4 | 15°47 | 0°13 | 14°51 | 13°36 | 6°29 | 26°57 | T 9 |
| W10 | 19 35 11 | 22°57'29 | 24°57 | 17°55 | 8°39 | 25°10 | 19°30 | 9° 2 | 1° 8 | 15°49 | 0°13 | 14°46 | 13°32 | 6°36 | 26°59 | W10 |
| T 11 | 19 39 8 | 23°54'50 | 7♈ 9 | 17°20 | 9°37 | 25°49 | 19°25 | 9° 9 | 1°11 | 15°50 | 0°14 | 14°43 | 13°29 | 6°42 | 27° 1 | T 11 |
| F 12 | 19 43 4 | 24°52'12 | 19°10 | 16°48 | 10°35 | 26°27 | 19°20 | 9°15 | 1°15 | 15°52 | 0°14 | 14°42 | 13°26 | 6°49 | 27° 4 | F 12 |
| S 13 | 19 47 1 | 25°49'35 | 1♉ 3 | 16°20 | 11°33 | 27° 5 | 19°15 | 9°21 | 1°19 | 15°53 | 0°14 | 14°D42 | 13°23 | 6°56 | 27° 6 | S 13 |
| S 14 | 19 50 57 | 26°47'00 | 12°53 | 15°57 | 12°30 | 27°44 | 19°11 | 9°27 | 1°22 | 15°55 | 0°14 | 14°43 | 13°20 | 7° 2 | 27° 9 | S 14 |
| M15 | 19 54 54 | 27°44'25 | 24°45 | 15°40 | 13°26 | 28°22 | 19° 6 | 9°33 | 1°26 | 15°56 | 0°15 | 14°44 | 13°17 | 7° 9 | 27°11 | M15 |
| T 16 | 19 58 51 | 28°41'52 | 6♊45 | 15°28 | 14°22 | 29° 0 | 19° 2 | 9°40 | 1°30 | 15°58 | 0°15 | 14°46 | 13°13 | 7°16 | 27°14 | T 16 |
| W17 | 20 2 47 | 29°39'20 | 18°56 | 15°D22 | 15°18 | 29°39 | 18°57 | 9°46 | 1°33 | 16° 0 | 0°15 | 14°R46 | 13°10 | 7°22 | 27°17 | W17 |
| T 18 | 20 6 44 | 0♌36'50 | 1♋22 | 15°23 | 16°13 | 0♌17 | 18°53 | 9°51 | 1°37 | 16° 1 | 0°15 | 14°44 | 13° 7 | 7°29 | 27°20 | T 18 |
| F 19 | 20 10 40 | 1°34'20 | 14° 6 | 15°30 | 17° 8 | 0°55 | 18°49 | 9°57 | 1°41 | 16° 3 | 0°15 | 14°41 | 13° 4 | 7°36 | 27°23 | F 19 |
| S 20 | 20 14 37 | 2°31'52 | 27° 9 | 15°44 | 18° 2 | 1°34 | 18°45 | 10° 3 | 1°45 | 16° 5 | 0°15 | 14°35 | 13° 1 | 7°42 | 27°26 | S 20 |
| S 21 | 20 18 33 | 3°29'25 | 10♌30 | 16° 5 | 18°56 | 2°12 | 18°42 | 10° 9 | 1°48 | 16° 7 | 0°15 | 14°28 | 12°58 | 7°49 | 27°29 | S 21 |
| M22 | 20 22 30 | 4°26'59 | 24° 8 | 16°33 | 19°49 | 2°50 | 18°38 | 10°15 | 1°52 | 16° 8 | 0°16 | 14°20 | 12°54 | 7°56 | 27°32 | M22 |
| T 23 | 20 26 27 | 5°24'34 | 7♍59 | 17° 8 | 20°41 | 3°29 | 18°35 | 10°20 | 1°56 | 16°10 | 0°16 | 14°12 | 12°51 | 8° 2 | 27°36 | T 23 |
| W24 | 20 30 23 | 6°22'10 | 22° 0 | 17°49 | 21°33 | 4° 7 | 18°32 | 10°26 | 1°59 | 16°12 | 0°16 | 14° 5 | 12°48 | 8° 9 | 27°39 | W24 |
| T 25 | 20 34 20 | 7°19'47 | 6♎ 8 | 18°37 | 22°24 | 4°45 | 18°29 | 10°31 | 2° 3 | 16°14 | 0°R16 | 13°59 | 12°45 | 8°16 | 27°43 | T 25 |
| F 26 | 20 38 16 | 8°17'25 | 20°18 | 19°32 | 23°15 | 5°23 | 18°27 | 10°37 | 2° 7 | 16°16 | 0°16 | 13°56 | 12°42 | 8°22 | 27°47 | F 26 |
| S 27 | 20 42 13 | 9°15'04 | 4♏29 | 20°33 | 24° 5 | 6° 2 | 18°24 | 10°42 | 2°10 | 16°17 | 0°16 | 13°D54 | 12°38 | 8°29 | 27°50 | S 27 |
| S 28 | 20 46 9 | 10°12'44 | 18°38 | 21°41 | 24°54 | 6°40 | 18°22 | 10°47 | 2°14 | 16°19 | 0°16 | 13°54 | 12°35 | 8°36 | 27°54 | S 28 |
| M29 | 20 50 6 | 11°10'26 | 2♐44 | 22°54 | 25°42 | 7°18 | 18°20 | 10°52 | 2°18 | 16°21 | 0°15 | 13°55 | 12°32 | 8°42 | 27°58 | M29 |
| T 30 | 20 54 2 | 12° 8'08 | 16°46 | 24°13 | 26°30 | 7°56 | 18°18 | 10°57 | 2°22 | 16°23 | 0°15 | 13°R55 | 12°29 | 8°49 | 28° 2 | T 30 |
| W31 | 20 57 59 | 13♌ 5'52 | 0♑42 | 25♋37 | 27♍17 | 8♌35 | 18♐16 | 11♊ 3 | 2♌25 | 16♍25 | 0♉15 | 13♐54 | 12♐26 | 8♉56 | 28♎ 6 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n46 | 20s23 | 2s 3 | 17n 7 | 4s22 | 12n23 | 0n47 | 23n13 | 1n 5 | 23s 1 | 0n11 | 20n14 | 1s32 | 20n41 | 0n35 | 6n54 | 1n18 | 3s29 | 16s 4 | 22s44 | 22s35 | 16n28 | 9s56 | 0n27 |
| T 2 | 22 40 | 22 17 | 0 48 | 17 4 | 4 31 | 11 57 | 0 43 | 23 7 | 1 5 | 23 1 | 0 11 | 20 15 | 1 32 | 20 40 | 0 35 | 6 53 | 1 18 | 3 29 | 16 4 | 22 44 | 22 35 | 16 29 | 9 56 | 0 28 |
| W 3 | 22 33 | 22 44 | 0n31 | 17 3 | 4 38 | 11 31 | 0 38 | 23 1 | 1 5 | 23 0 | 0 11 | 20 16 | 1 33 | 20 40 | 0 35 | 6 53 | 1 18 | 3 29 | 16 5 | 22 44 | 22 35 | 16 31 | 9 56 | 0 28 |
| T 4 | 22 26 | 21 40 | 1 47 | 17 3 | 4 44 | 11 5 | 0 33 | 22 56 | 1 5 | 23 0 | 0 11 | 20 17 | 1 33 | 20 39 | 0 35 | 6 52 | 1 17 | 3 29 | 16 5 | 22 44 | 22 34 | 16 33 | 9 57 | 0 28 |
| F 5 | 22 19 | 19 17 | 2 55 | 17 5 | 4 49 | 10 38 | 0 28 | 22 50 | 1 5 | 23 0 | 0 11 | 20 18 | 1 33 | 20 38 | 0 35 | 6 51 | 1 17 | 3 30 | 16 5 | 22 44 | 22 34 | 16 34 | 9 57 | 0 28 |
| S 6 | 22 11 | 15 49 | 3 51 | 17 9 | 4 52 | 10 11 | 0 23 | 22 43 | 1 6 | 22 59 | 0 11 | 20 19 | 1 33 | 20 37 | 0 35 | 6 51 | 1 17 | 3 30 | 16 5 | 22 43 | 22 34 | 16 36 | 9 57 | 0 29 |
| S 7 | 22 2 | 11 36 | 4 34 | 17 14 | 4 53 | 9 44 | 0 18 | 22 37 | 1 6 | 22 59 | 0 10 | 20 20 | 1 33 | 20 36 | 0 35 | 6 50 | 1 17 | 3 30 | 16 6 | 22 43 | 22 33 | 16 37 | 9 58 | 0 29 |
| M 8 | 21 54 | 6 57 | 5 0 | 17 21 | 4 52 | 9 17 | 0 12 | 22 31 | 1 6 | 22 59 | 0 10 | 20 21 | 1 33 | 20 36 | 0 35 | 6 50 | 1 17 | 3 30 | 16 6 | 22 42 | 22 33 | 16 39 | 9 58 | 0 29 |
| T 9 | 21 45 | 2 8 | 5 11 | 17 29 | 4 49 | 8 50 | 0 7 | 22 24 | 1 6 | 22 59 | 0 10 | 20 22 | 1 33 | 20 35 | 0 35 | 6 49 | 1 17 | 3 30 | 16 6 | 22 41 | 22 32 | 16 41 | 9 59 | 0 29 |
| W10 | 21 35 | 2n40 | 5 6 | 17 38 | 4 45 | 8 23 | 0 1 | 22 17 | 1 6 | 22 58 | 0 10 | 20 23 | 1 33 | 20 34 | 0 35 | 6 48 | 1 17 | 3 30 | 16 7 | 22 41 | 22 32 | 16 42 | 9 59 | 0 30 |
| T 11 | 21 26 | 7 15 | 4 48 | 17 48 | 4 39 | 7 56 | 0s 5 | 22 10 | 1 6 | 22 58 | 0 10 | 20 24 | 1 33 | 20 33 | 0 35 | 6 48 | 1 17 | 3 31 | 16 7 | 22 40 | 22 32 | 16 44 | 10 0 | 0 30 |
| F 12 | 21 15 | 11 29 | 4 17 | 18 0 | 4 32 | 7 28 | 0 11 | 22 3 | 1 7 | 22 58 | 0 10 | 20 25 | 1 33 | 20 32 | 0 35 | 6 47 | 1 17 | 3 31 | 16 7 | 22 40 | 22 31 | 16 45 | 10 0 | 0 30 |
| S 13 | 21 5 | 15 15 | 3 35 | 18 12 | 4 23 | 7 1 | 0 17 | 21 56 | 1 7 | 22 58 | 0 9 | 20 26 | 1 33 | 20 31 | 0 35 | 6 47 | 1 17 | 3 31 | 16 8 | 22 40 | 22 31 | 16 47 | 10 1 | 0 30 |
| S 14 | 20 54 | 18 23 | 2 44 | 18 25 | 4 13 | 6 33 | 0 23 | 21 48 | 1 7 | 22 57 | 0 9 | 20 27 | 1 33 | 20 31 | 0 35 | 6 46 | 1 17 | 3 31 | 16 8 | 22 40 | 22 30 | 16 48 | 10 2 | 0 31 |
| M15 | 20 43 | 20 46 | 1 46 | 18 38 | 4 1 | 6 6 | 0 29 | 21 41 | 1 7 | 22 57 | 0 9 | 20 27 | 1 33 | 20 30 | 0 35 | 6 45 | 1 17 | 3 31 | 16 8 | 22 40 | 22 30 | 16 50 | 10 3 | 0 31 |
| T 16 | 20 31 | 22 15 | 0 43 | 18 52 | 3 48 | 5 38 | 0 36 | 21 33 | 1 7 | 22 57 | 0 9 | 20 28 | 1 33 | 20 29 | 0 35 | 6 45 | 1 17 | 3 32 | 16 9 | 22 41 | 22 30 | 16 51 | 10 3 | 0 31 |
| W17 | 20 19 | 22 43 | 0s23 | 19 6 | 3 35 | 5 10 | 0 42 | 21 25 | 1 7 | 22 57 | 0 9 | 20 29 | 1 33 | 20 28 | 0 35 | 6 44 | 1 17 | 3 32 | 16 9 | 22 41 | 22 29 | 16 53 | 10 4 | 0 31 |
| T 18 | 20 7 | 22 4 | 1 29 | 19 21 | 3 20 | 4 43 | 0 49 | 21 17 | 1 7 | 22 57 | 0 9 | 20 30 | 1 33 | 20 27 | 0 35 | 6 43 | 1 17 | 3 32 | 16 9 | 22 40 | 22 29 | 16 55 | 10 5 | 0 31 |
| F 19 | 19 54 | 20 17 | 2 32 | 19 35 | 3 5 | 4 15 | 0 56 | 21 9 | 1 7 | 22 56 | 0 8 | 20 31 | 1 33 | 20 27 | 0 35 | 6 43 | 1 17 | 3 32 | 16 10 | 22 40 | 22 28 | 16 56 | 10 6 | 0 32 |
| S 20 | 19 41 | 17 25 | 3 28 | 19 49 | 2 49 | 3 48 | 1 3 | 21 0 | 1 8 | 22 56 | 0 8 | 20 32 | 1 33 | 20 26 | 0 35 | 6 42 | 1 17 | 3 33 | 16 10 | 22 39 | 22 28 | 16 58 | 10 7 | 0 32 |
| S 21 | 19 28 | 13 36 | 4 15 | 20 2 | 2 33 | 3 20 | 1 10 | 20 52 | 1 8 | 22 56 | 0 8 | 20 32 | 1 33 | 20 25 | 0 35 | 6 41 | 1 17 | 3 33 | 16 10 | 22 39 | 22 28 | 16 59 | 10 8 | 0 32 |
| M22 | 19 14 | 9 1 | 4 48 | 20 15 | 2 17 | 2 53 | 1 17 | 20 43 | 1 8 | 22 56 | 0 8 | 20 33 | 1 33 | 20 24 | 0 35 | 6 41 | 1 17 | 3 33 | 16 10 | 22 38 | 22 27 | 17 1 | 10 9 | 0 32 |
| T 23 | 19 0 | 3 54 | 5 5 | 20 27 | 2 1 | 2 25 | 1 24 | 20 34 | 1 8 | 22 56 | 0 8 | 20 34 | 1 33 | 20 23 | 0 35 | 6 40 | 1 17 | 3 33 | 16 11 | 22 37 | 22 27 | 17 2 | 10 10 | 0 33 |
| W24 | 18 46 | 1s28 | 5 4 | 20 38 | 1 44 | 1 58 | 1 32 | 20 25 | 1 8 | 22 56 | 0 8 | 20 35 | 1 33 | 20 22 | 0 35 | 6 39 | 1 17 | 3 34 | 16 11 | 22 36 | 22 26 | 17 4 | 10 11 | 0 33 |
| T 25 | 18 32 | 6 47 | 4 44 | 20 48 | 1 28 | 1 31 | 1 39 | 20 16 | 1 8 | 22 56 | 0 8 | 20 35 | 1 34 | 20 22 | 0 35 | 6 38 | 1 17 | 3 34 | 16 11 | 22 35 | 22 26 | 17 5 | 10 12 | 0 33 |
| F 26 | 18 17 | 11 47 | 4 7 | 20 56 | 1 12 | 1 3 | 1 47 | 20 7 | 1 8 | 22 55 | 0 7 | 20 36 | 1 34 | 20 21 | 0 35 | 6 38 | 1 17 | 3 34 | 16 12 | 22 35 | 22 26 | 17 7 | 10 13 | 0 33 |
| S 27 | 18 2 | 16 8 | 3 15 | 21 3 | 0 56 | 0 36 | 1 55 | 19 58 | 1 8 | 22 55 | 0 7 | 20 37 | 1 34 | 20 20 | 0 35 | 6 37 | 1 17 | 3 35 | 16 12 | 22 35 | 22 25 | 17 8 | 10 14 | 0 33 |
| S 28 | 17 46 | 19 33 | 2 11 | 21 8 | 0 41 | 0 10 | 2 3 | 19 48 | 1 9 | 22 55 | 0 7 | 20 37 | 1 34 | 20 19 | 0 35 | 6 36 | 1 17 | 3 35 | 16 12 | 22 35 | 22 25 | 17 10 | 10 15 | 0 34 |
| M29 | 17 30 | 21 47 | 1 0 | 21 11 | 0 26 | 0s17 | 2 11 | 19 38 | 1 9 | 22 55 | 0 7 | 20 38 | 1 34 | 20 18 | 0 35 | 6 35 | 1 17 | 3 35 | 16 13 | 22 35 | 22 24 | 17 11 | 10 16 | 0 34 |
| T 30 | 17 14 | 22 38 | 0n15 | 21 11 | 0 11 | 0 44 | 2 19 | 19 29 | 1 9 | 22 55 | 0 7 | 20 39 | 1 34 | 20 17 | 0 35 | 6 35 | 1 17 | 3 36 | 16 13 | 22 35 | 22 24 | 17 13 | 10 18 | 0 34 |
| W31 | 16n58 | 22s 4 | 1n29 | 21n10 | 0n 3 | 1s10 | 2s27 | 19n19 | 1n 9 | 22s55 | 0n 7 | 20n39 | 1s34 | 20n17 | 0n35 | 6n34 | 1n17 | 3s36 | 16s13 | 22s35 | 22s24 | 17n14 | 10s19 | 0n34 |

Julian Day Number = 2129588.5, Delta T = 16m45s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'04, Lahiri = 11°34'04 Julian Calendar 1 July 1118 == Greg. Calendar 8 July 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## AUGUST 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 1 56 | 14♌ 3'36 | 14♉32 | 27♋ 7 | 28♍ 3 | 9♌13 | 18°R14 | 11♊ 7 | 2♌29 | 16♍27 | 0°R15 | 13°R51 | 12♐23 | 9♉ 2 | 28♎11 | T 1 |
| F 2 | 21 5 52 | 15° 1'22 | 28°11 | 28°41 | 28°48 | 9°51 | 18♐13 | 11°12 | 2°33 | 16°29 | 0♉15 | 13♐45 | 12°19 | 9° 9 | 28°15 | F 2 |
| S 3 | 21 9 49 | 15°59'10 | 11♒39 | 0♌19 | 29°32 | 10°29 | 18°12 | 11°17 | 2°36 | 16°31 | 0°15 | 13°36 | 12°16 | 9°16 | 28°19 | S 3 |
| S 4 | 21 13 45 | 16°56'58 | 24°53 | 2° 1 | 0♎16 | 11° 7 | 18°11 | 11°22 | 2°40 | 16°33 | 0°15 | 13°26 | 12°13 | 9°22 | 28°24 | S 4 |
| M 5 | 21 17 42 | 17°54'49 | 7♓50 | 3°47 | 0°58 | 11°46 | 18°10 | 11°26 | 2°43 | 16°35 | 0°14 | 13°15 | 12°10 | 9°29 | 28°28 | M 5 |
| T 6 | 21 21 38 | 18°52'41 | 20°31 | 5°35 | 1°39 | 12°24 | 18° 9 | 11°31 | 2°47 | 16°37 | 0°14 | 13° 4 | 12° 7 | 9°36 | 28°33 | T 6 |
| W 7 | 21 25 35 | 19°50'34 | 2♈56 | 7°26 | 2°20 | 13° 2 | 18° 9 | 11°35 | 2°51 | 16°39 | 0°14 | 12°55 | 12° 3 | 9°42 | 28°38 | W 7 |
| T 8 | 21 29 31 | 20°48'30 | 15° 6 | 9°19 | 2°59 | 13°40 | 18° 8 | 11°40 | 2°54 | 16°41 | 0°14 | 12°47 | 12° 0 | 9°49 | 28°43 | T 8 |
| F 9 | 21 33 28 | 21°46'27 | 27° 5 | 11°14 | 3°37 | 14°18 | 18°D 8 | 11°44 | 2°58 | 16°43 | 0°13 | 12°42 | 11°57 | 9°56 | 28°48 | F 9 |
| S 10 | 21 37 24 | 22°44'26 | 8♉56 | 13°10 | 4°14 | 14°56 | 18° 8 | 11°48 | 3° 1 | 16°45 | 0°13 | 12°39 | 11°54 | 10° 2 | 28°52 | S 10 |
| S 11 | 21 41 21 | 23°42'27 | 20°46 | 15° 7 | 4°50 | 15°35 | 18° 9 | 11°52 | 3° 5 | 16°47 | 0°13 | 12°D38 | 11°51 | 10° 9 | 28°58 | S 11 |
| M12 | 21 45 18 | 24°40'30 | 2♊37 | 17° 4 | 5°25 | 16°13 | 18° 9 | 11°56 | 3° 8 | 16°49 | 0°12 | 12°38 | 11°48 | 10°16 | 29° 3 | M12 |
| T 13 | 21 49 14 | 25°38'35 | 14°37 | 19° 1 | 5°58 | 16°51 | 18°10 | 12° 0 | 3°12 | 16°51 | 0°12 | 12°R38 | 11°44 | 10°22 | 29° 8 | T 13 |
| W14 | 21 53 11 | 26°36'42 | 26°51 | 20°59 | 6°30 | 17°29 | 18°11 | 12° 4 | 3°15 | 16°53 | 0°11 | 12°38 | 11°41 | 10°29 | 29°13 | W14 |
| T 15 | 21 57 7 | 27°34'51 | 9♋22 | 22°57 | 7° 1 | 18° 7 | 18°12 | 12° 8 | 3°19 | 16°55 | 0°11 | 12°35 | 11°38 | 10°36 | 29°19 | T 15 |
| F 16 | 22 1 4 | 28°33'02 | 22°16 | 24°54 | 7°30 | 18°46 | 18°13 | 12°12 | 3°22 | 16°58 | 0°11 | 12°30 | 11°35 | 10°42 | 29°24 | F 16 |
| S 17 | 22 5 0 | 29°31'15 | 5♌32 | 26°50 | 7°58 | 19°24 | 18°14 | 12°15 | 3°26 | 17° 0 | 0°10 | 12°22 | 11°32 | 10°49 | 29°30 | S 17 |
| S 18 | 22 8 57 | 0♍29'30 | 19°13 | 28°46 | 8°24 | 20° 2 | 18°16 | 12°19 | 3°29 | 17° 2 | 0°10 | 12°12 | 11°29 | 10°56 | 29°35 | S 18 |
| M19 | 22 12 53 | 1°27'46 | 3♍14 | 0♍41 | 8°48 | 20°40 | 18°18 | 12°22 | 3°33 | 17° 4 | 0° 9 | 12° 0 | 11°25 | 11° 2 | 29°41 | M19 |
| T 20 | 22 16 50 | 2°26'04 | 17°32 | 2°35 | 9°11 | 21°18 | 18°20 | 12°25 | 3°36 | 17° 6 | 0° 9 | 11°49 | 11°22 | 11° 9 | 29°47 | T 20 |
| W21 | 22 20 47 | 3°24'24 | 2♎ 0 | 4°28 | 9°32 | 21°56 | 18°22 | 12°29 | 3°39 | 17° 8 | 0° 8 | 11°38 | 11°19 | 11°16 | 29°53 | W21 |
| T 22 | 22 24 43 | 4°22'46 | 16°32 | 6°20 | 9°51 | 22°35 | 18°24 | 12°32 | 3°43 | 17°11 | 0° 8 | 11°30 | 11°16 | 11°22 | 29°58 | T 22 |
| F 23 | 22 28 40 | 5°21'10 | 1♏ 1 | 8°11 | 10° 9 | 23°13 | 18°27 | 12°35 | 3°46 | 17°13 | 0° 7 | 11°24 | 11°13 | 11°29 | 0♏ 4 | F 23 |
| S 24 | 22 32 36 | 6°19'35 | 15°23 | 10° 2 | 10°24 | 23°51 | 18°30 | 12°38 | 3°49 | 17°15 | 0° 6 | 11°21 | 11° 9 | 11°36 | 0°10 | S 24 |
| S 25 | 22 36 33 | 7°18'02 | 29°35 | 11°51 | 10°38 | 24°29 | 18°33 | 12°40 | 3°52 | 17°17 | 0° 6 | 11°20 | 11° 6 | 11°42 | 0°17 | S 25 |
| M26 | 22 40 29 | 8°16'30 | 13♐36 | 13°38 | 10°49 | 25° 7 | 18°36 | 12°43 | 3°56 | 17°19 | 0° 5 | 11°20 | 11° 3 | 11°49 | 0°23 | M26 |
| T 27 | 22 44 26 | 9°15'00 | 27°25 | 15°25 | 10°58 | 25°46 | 18°39 | 12°46 | 3°59 | 17°22 | 0° 5 | 11°19 | 11° 0 | 11°56 | 0°29 | T 27 |
| W28 | 22 48 22 | 10°13'32 | 11♉ 3 | 17°11 | 11° 5 | 26°24 | 18°42 | 12°48 | 4° 2 | 17°24 | 0° 4 | 11°17 | 10°57 | 12° 2 | 0°35 | W28 |
| T 29 | 22 52 19 | 11°12'05 | 24°30 | 18°56 | 11°10 | 27° 2 | 18°46 | 12°51 | 4° 5 | 17°26 | 0° 3 | 11°13 | 10°54 | 12° 9 | 0°42 | T 29 |
| F 30 | 22 56 16 | 12°10'40 | 7♒47 | 20°39 | 11°13 | 27°40 | 18°50 | 12°53 | 4° 8 | 17°28 | 0° 2 | 11° 5 | 10°50 | 12°16 | 0°48 | F 30 |
| S 31 | 23 0 12 | 13♍ 9'17 | 20♒52 | 22♍22 | 11°R13 | 28♌18 | 18♐54 | 12♊55 | 4♌11 | 17♍31 | 0♉ 2 | 10♐55 | 10♐47 | 12♉22 | 0♏54 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n41 | 20s10 | 2n36 | 21n 5 | 0n16 | 1s36 | 2s36 | 19n 9 | 1n 9 | 22s55 | 0n 6 | 20n40 | 1s34 | 20n16 | 0n35 | 6n33 | 1n17 | 3s36 | 16s14 | 22s34 | 22s23 | 17n16 | 10s20 | 0n35 |
| F 2 | 16 24 | 17 8 | 3 33 | 20 59 | 0 28 | 2 2 | 2 44 | 18 58 | 1 9 | 22 55 | 0 6 | 20 40 | 1 34 | 20 15 | 0 35 | 6 32 | 1 17 | 3 37 | 16 14 | 22 33 | 22 23 | 17 17 | 10 22 | 0 35 |
| S 3 | 16 7 | 13 14 | 4 18 | 20 49 | 0 39 | 2 27 | 2 53 | 18 48 | 1 9 | 22 55 | 0 6 | 20 41 | 1 34 | 20 14 | 0 35 | 6 32 | 1 17 | 3 37 | 16 14 | 22 32 | 22 22 | 17 18 | 10 23 | 0 35 |
| S 4 | 15 50 | 8 46 | 4 48 | 20 37 | 0 50 | 2 53 | 3 2 | 18 38 | 1 9 | 22 55 | 0 6 | 20 42 | 1 34 | 20 13 | 0 35 | 6 31 | 1 17 | 3 37 | 16 14 | 22 31 | 22 22 | 17 20 | 10 24 | 0 35 |
| M 5 | 15 32 | 4 0 | 5 2 | 20 22 | 1 0 | 3 18 | 3 11 | 18 27 | 1 9 | 22 56 | 0 6 | 20 42 | 1 34 | 20 13 | 0 35 | 6 30 | 1 17 | 3 38 | 16 15 | 22 30 | 22 21 | 17 21 | 10 26 | 0 35 |
| T 6 | 15 14 | 0n50 | 5 1 | 20 4 | 1 8 | 3 43 | 3 20 | 18 16 | 1 9 | 22 56 | 0 6 | 20 43 | 1 34 | 20 12 | 0 35 | 6 29 | 1 17 | 3 38 | 16 15 | 22 28 | 22 21 | 17 23 | 10 27 | 0 36 |
| W 7 | 14 56 | 5 32 | 4 45 | 19 44 | 1 16 | 4 7 | 3 29 | 18 5 | 1 9 | 22 56 | 0 6 | 20 43 | 1 34 | 20 11 | 0 35 | 6 28 | 1 17 | 3 38 | 16 15 | 22 27 | 22 21 | 17 24 | 10 29 | 0 36 |
| T 8 | 14 38 | 9 55 | 4 17 | 19 21 | 1 23 | 4 31 | 3 38 | 17 55 | 1 9 | 22 56 | 0 5 | 20 44 | 1 35 | 20 10 | 0 35 | 6 28 | 1 17 | 3 39 | 16 16 | 22 26 | 22 20 | 17 26 | 10 30 | 0 36 |
| F 9 | 14 19 | 13 51 | 3 38 | 18 55 | 1 29 | 4 55 | 3 47 | 17 43 | 1 10 | 22 56 | 0 5 | 20 44 | 1 35 | 20 9 | 0 35 | 6 27 | 1 17 | 3 39 | 16 16 | 22 26 | 22 20 | 17 27 | 10 32 | 0 36 |
| S 10 | 14 0 | 17 13 | 2 49 | 18 27 | 1 34 | 5 18 | 3 56 | 17 32 | 1 10 | 22 56 | 0 5 | 20 45 | 1 35 | 20 8 | 0 35 | 6 26 | 1 17 | 3 39 | 16 16 | 22 25 | 22 19 | 17 29 | 10 34 | 0 36 |
| S 11 | 13 41 | 19 51 | 1 54 | 17 57 | 1 38 | 5 41 | 4 6 | 17 21 | 1 10 | 22 56 | 0 5 | 20 45 | 1 35 | 20 8 | 0 35 | 6 25 | 1 17 | 3 40 | 16 17 | 22 25 | 22 19 | 17 30 | 10 35 | 0 37 |
| M12 | 13 22 | 21 39 | 0 53 | 17 25 | 1 42 | 6 4 | 4 15 | 17 10 | 1 10 | 22 57 | 0 5 | 20 46 | 1 35 | 20 7 | 0 35 | 6 24 | 1 17 | 3 40 | 16 17 | 22 25 | 22 18 | 17 31 | 10 37 | 0 37 |
| T 13 | 13 2 | 22 29 | 0s11 | 16 50 | 1 44 | 6 26 | 4 25 | 16 58 | 1 10 | 22 57 | 0 5 | 20 46 | 1 35 | 20 6 | 0 35 | 6 24 | 1 17 | 3 41 | 16 17 | 22 25 | 22 18 | 17 33 | 10 38 | 0 37 |
| W14 | 12 42 | 22 16 | 1 15 | 16 15 | 1 46 | 6 47 | 4 35 | 16 46 | 1 10 | 22 57 | 0 5 | 20 46 | 1 35 | 20 5 | 0 35 | 6 23 | 1 17 | 3 41 | 16 17 | 22 25 | 22 18 | 17 34 | 10 40 | 0 37 |
| T 15 | 12 22 | 20 57 | 2 17 | 15 37 | 1 47 | 7 8 | 4 44 | 16 35 | 1 10 | 22 57 | 0 4 | 20 47 | 1 35 | 20 4 | 0 35 | 6 22 | 1 17 | 3 41 | 16 18 | 22 25 | 22 17 | 17 36 | 10 42 | 0 37 |
| F 16 | 12 2 | 18 31 | 3 14 | 14 58 | 1 47 | 7 29 | 4 54 | 16 23 | 1 10 | 22 57 | 0 4 | 20 47 | 1 35 | 20 4 | 0 35 | 6 21 | 1 17 | 3 42 | 16 18 | 22 24 | 22 17 | 17 37 | 10 44 | 0 38 |
| S 17 | 11 42 | 15 4 | 4 2 | 14 18 | 1 47 | 7 49 | 5 4 | 16 11 | 1 10 | 22 58 | 0 4 | 20 48 | 1 35 | 20 3 | 0 35 | 6 20 | 1 17 | 3 42 | 16 18 | 22 23 | 22 16 | 17 38 | 10 45 | 0 38 |
| S 18 | 11 21 | 10 44 | 4 37 | 13 37 | 1 46 | 8 8 | 5 13 | 15 59 | 1 10 | 22 58 | 0 4 | 20 48 | 1 35 | 20 2 | 0 35 | 6 19 | 1 17 | 3 43 | 16 19 | 22 22 | 22 16 | 17 40 | 10 47 | 0 38 |
| M19 | 11 0 | 5 45 | 4 57 | 12 54 | 1 44 | 8 27 | 5 23 | 15 47 | 1 10 | 22 58 | 0 4 | 20 48 | 1 36 | 20 1 | 0 35 | 6 18 | 1 17 | 3 43 | 16 19 | 22 20 | 22 15 | 17 41 | 10 49 | 0 38 |
| T 20 | 10 39 | 0 21 | 4 59 | 12 11 | 1 42 | 8 45 | 5 33 | 15 34 | 1 10 | 22 59 | 0 4 | 20 49 | 1 36 | 20 1 | 0 35 | 6 18 | 1 17 | 3 44 | 16 19 | 22 19 | 22 15 | 17 43 | 10 51 | 0 39 |
| W21 | 10 18 | 5s 7 | 4 42 | 11 27 | 1 39 | 9 2 | 5 43 | 15 22 | 1 10 | 22 59 | 0 4 | 20 49 | 1 36 | 20 0 | 0 35 | 6 17 | 1 17 | 3 44 | 16 19 | 22 17 | 22 15 | 17 44 | 10 53 | 0 39 |
| T 22 | 9 57 | 10 19 | 4 7 | 10 43 | 1 36 | 9 19 | 5 53 | 15 10 | 1 10 | 22 59 | 0 3 | 20 49 | 1 36 | 19 59 | 0 35 | 6 16 | 1 17 | 3 44 | 16 20 | 22 16 | 22 14 | 17 45 | 10 55 | 0 39 |
| F 23 | 9 36 | 14 56 | 3 16 | 9 58 | 1 32 | 9 35 | 6 2 | 14 57 | 1 10 | 23 0 | 0 3 | 20 50 | 1 36 | 19 58 | 0 35 | 6 15 | 1 17 | 3 45 | 16 20 | 22 15 | 22 14 | 17 47 | 10 56 | 0 39 |
| S 24 | 9 14 | 18 38 | 2 13 | 9 13 | 1 28 | 9 50 | 6 12 | 14 44 | 1 10 | 23 0 | 0 3 | 20 50 | 1 36 | 19 58 | 0 35 | 6 14 | 1 17 | 3 45 | 16 20 | 22 15 | 22 13 | 17 48 | 10 58 | 0 39 |
| S 25 | 8 52 | 21 10 | 1 2 | 8 27 | 1 24 | 10 4 | 6 22 | 14 32 | 1 10 | 23 0 | 0 3 | 20 50 | 1 36 | 19 57 | 0 35 | 6 13 | 1 17 | 3 46 | 16 20 | 22 15 | 22 13 | 17 49 | 11 0 | 0 40 |
| M26 | 8 30 | 22 21 | 0n12 | 7 41 | 1 19 | 10 17 | 6 31 | 14 19 | 1 10 | 23 1 | 0 3 | 20 50 | 1 36 | 19 56 | 0 35 | 6 12 | 1 17 | 3 46 | 16 21 | 22 15 | 22 12 | 17 51 | 11 2 | 0 40 |
| T 27 | 8 8 | 22 8 | 1 24 | 6 55 | 1 14 | 10 29 | 6 40 | 14 6 | 1 10 | 23 1 | 0 3 | 20 51 | 1 36 | 19 55 | 0 35 | 6 12 | 1 17 | 3 47 | 16 21 | 22 15 | 22 12 | 17 52 | 11 4 | 0 40 |
| W28 | 7 46 | 20 36 | 2 30 | 6 9 | 1 9 | 10 41 | 6 49 | 13 53 | 1 10 | 23 2 | 0 3 | 20 51 | 1 36 | 19 55 | 0 35 | 6 11 | 1 17 | 3 47 | 16 21 | 22 14 | 22 11 | 17 53 | 11 6 | 0 40 |
| T 29 | 7 24 | 17 56 | 3 27 | 5 22 | 1 3 | 10 51 | 6 58 | 13 40 | 1 10 | 23 2 | 0 2 | 20 51 | 1 37 | 19 54 | 0 35 | 6 10 | 1 17 | 3 48 | 16 21 | 22 14 | 22 11 | 17 55 | 11 8 | 0 40 |
| F 30 | 7 2 | 14 21 | 4 12 | 4 36 | 0 58 | 11 0 | 7 7 | 13 26 | 1 10 | 23 2 | 0 2 | 20 51 | 1 37 | 19 53 | 0 35 | 6 9 | 1 17 | 3 48 | 16 22 | 22 13 | 22 11 | 17 56 | 11 10 | 0 41 |
| S 31 | 6n39 | 10s 9 | 4n42 | 3n50 | 0n52 | 11s 8 | 7s16 | 13n13 | 1n10 | 23s 3 | 0n 2 | 20n51 | 1s37 | 19n52 | 0n35 | 6n 8 | 1n17 | 3s48 | 16s22 | 22s11 | 22s10 | 17n57 | 11s12 | 0n41 |

Julian Day Number = 2129619.5, Delta T = 16m45s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'08, Lahiri = 11°34'08 Julian Calendar 1 Aug. 1118 == Greg. Calendar 8 Aug. 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## SEPTEMBER 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 4 9 | 14♍ 7'56 | 3♓45 | 24♍ 4 | 11°R11 | 28♌56 | 18♐58 | 12♊57 | 4♌15 | 17♍33 | 0°R 1 | 10°R42 | 10♐44 | 12♉29 | 1♏ 1 | S 1 |
| M 2 | 23 8 5 | 15° 6'37 | 16°26 | 25°44 | 11♎ 7 | 29°35 | 19° 2 | 12°59 | 4°18 | 17°35 | 0♉ 0 | 10♐29 | 10°41 | 12°36 | 1° 8 | M 2 |
| T 3 | 23 12 2 | 16° 5'19 | 28°54 | 27°24 | 11° 0 | 0♍13 | 19° 7 | 13° 1 | 4°21 | 17°37 | 29♈59 | 10°16 | 10°38 | 12°42 | 1°14 | T 3 |
| W 4 | 23 15 58 | 17° 4'04 | 11♈10 | 29° 2 | 10°51 | 0°51 | 19°11 | 13° 3 | 4°24 | 17°39 | 29°59 | 10° 4 | 10°35 | 12°49 | 1°21 | W 4 |
| T 5 | 23 19 55 | 18° 2'51 | 23°15 | 0♎40 | 10°39 | 1°29 | 19°16 | 13° 4 | 4°26 | 17°42 | 29°58 | 9°54 | 10°31 | 12°56 | 1°28 | T 5 |
| F 6 | 23 23 51 | 19° 1'40 | 5♉10 | 2°17 | 10°25 | 2° 7 | 19°21 | 13° 6 | 4°29 | 17°44 | 29°57 | 9°47 | 10°28 | 13° 2 | 1°35 | F 6 |
| S 7 | 23 27 48 | 20° 0'31 | 16°59 | 3°53 | 10° 9 | 2°45 | 19°26 | 13° 7 | 4°32 | 17°46 | 29°56 | 9°42 | 10°25 | 13° 9 | 1°41 | S 7 |
| S 8 | 23 31 45 | 20°59'25 | 28°46 | 5°28 | 9°50 | 3°24 | 19°32 | 13° 9 | 4°35 | 17°48 | 29°56 | 9°40 | 10°22 | 13°16 | 1°48 | S 8 |
| M 9 | 23 35 41 | 21°58'21 | 10♊36 | 7° 2 | 9°29 | 4° 2 | 19°37 | 13°10 | 4°38 | 17°51 | 29°55 | 9°D40 | 10°19 | 13°22 | 1°55 | M 9 |
| T 10 | 23 39 38 | 22°57'19 | 22°34 | 8°35 | 9° 6 | 4°40 | 19°43 | 13°11 | 4°41 | 17°53 | 29°54 | 9°R40 | 10°15 | 13°29 | 2° 2 | T 10 |
| W11 | 23 43 34 | 23°56'20 | 4♋46 | 10° 7 | 8°41 | 5°18 | 19°49 | 13°12 | 4°43 | 17°55 | 29°53 | 9°40 | 10°12 | 13°36 | 2° 9 | W11 |
| T 12 | 23 47 31 | 24°55'23 | 17°17 | 11°38 | 8°14 | 5°56 | 19°55 | 13°13 | 4°46 | 17°57 | 29°52 | 9°38 | 10° 9 | 13°42 | 2°17 | T 12 |
| F 13 | 23 51 27 | 25°54'28 | 0♌11 | 13° 9 | 7°45 | 6°35 | 20° 1 | 13°14 | 4°49 | 17°59 | 29°51 | 9°33 | 10° 6 | 13°49 | 2°24 | F 13 |
| S 14 | 23 55 24 | 26°53'36 | 13°33 | 14°38 | 7°15 | 7°13 | 20° 7 | 13°14 | 4°51 | 18° 2 | 29°50 | 9°27 | 10° 3 | 13°56 | 2°31 | S 14 |
| S 15 | 23 59 20 | 27°52'46 | 27°22 | 16° 7 | 6°43 | 7°51 | 20°14 | 13°15 | 4°54 | 18° 4 | 29°49 | 9°18 | 10° 0 | 14° 2 | 2°38 | S 15 |
| M16 | 0 3 17 | 28°51'58 | 11♍37 | 17°35 | 6° 9 | 8°29 | 20°20 | 13°15 | 4°57 | 18° 6 | 29°48 | 9° 7 | 9°56 | 14° 9 | 2°46 | M16 |
| T 17 | 0 7 13 | 29°51'12 | 26°13 | 19° 2 | 5°35 | 9° 7 | 20°27 | 13°16 | 4°59 | 18° 8 | 29°47 | 8°56 | 9°53 | 14°16 | 2°53 | T 17 |
| W18 | 0 11 10 | 0♎50'28 | 11♎ 4 | 20°28 | 5° 0 | 9°46 | 20°34 | 13°16 | 5° 2 | 18°11 | 29°46 | 8°46 | 9°50 | 14°22 | 3° 0 | W18 |
| T 19 | 0 15 7 | 1°49'47 | 26° 1 | 21°53 | 4°24 | 10°24 | 20°41 | 13°R16 | 5° 4 | 18°13 | 29°46 | 8°38 | 9°47 | 14°29 | 3° 8 | T 19 |
| F 20 | 0 19 3 | 2°49'07 | 10♏54 | 23°18 | 3°47 | 11° 2 | 20°48 | 13°16 | 5° 6 | 18°15 | 29°45 | 8°33 | 9°44 | 14°35 | 3°15 | F 20 |
| S 21 | 0 23 0 | 3°48'29 | 25°36 | 24°41 | 3°11 | 11°40 | 20°56 | 13°16 | 5° 9 | 18°17 | 29°44 | 8°30 | 9°40 | 14°42 | 3°23 | S 21 |
| S 22 | 0 26 56 | 4°47'54 | 10♐ 2 | 26° 3 | 2°34 | 12°19 | 21° 3 | 13°16 | 5°11 | 18°19 | 29°43 | 8°D30 | 9°37 | 14°49 | 3°30 | S 22 |
| M23 | 0 30 53 | 5°47'20 | 24°10 | 27°24 | 1°58 | 12°57 | 21°11 | 13°15 | 5°13 | 18°21 | 29°42 | 8°30 | 9°34 | 14°55 | 3°38 | M23 |
| T 24 | 0 34 49 | 6°46'48 | 7♑58 | 28°45 | 1°22 | 13°35 | 21°18 | 13°15 | 5°15 | 18°24 | 29°40 | 8°R30 | 9°31 | 15° 2 | 3°46 | T 24 |
| W25 | 0 38 46 | 7°46'17 | 21°29 | 0♏ 4 | 0°47 | 14°13 | 21°26 | 13°14 | 5°18 | 18°26 | 29°39 | 8°29 | 9°28 | 15° 9 | 3°53 | W25 |
| T 26 | 0 42 42 | 8°45'48 | 4♒43 | 1°21 | 0°12 | 14°52 | 21°34 | 13°13 | 5°20 | 18°28 | 29°38 | 8°26 | 9°25 | 15°15 | 4° 1 | T 26 |
| F 27 | 0 46 39 | 9°45'21 | 17°43 | 2°38 | 29♍40 | 15°30 | 21°43 | 13°13 | 5°22 | 18°30 | 29°37 | 8°21 | 9°21 | 15°22 | 4° 9 | F 27 |
| S 28 | 0 50 36 | 10°44'56 | 0♓29 | 3°53 | 29° 8 | 16° 8 | 21°51 | 13°12 | 5°24 | 18°32 | 29°36 | 8°13 | 9°18 | 15°29 | 4°16 | S 28 |
| S 29 | 0 54 32 | 11°44'33 | 13° 4 | 5° 7 | 28°38 | 16°46 | 21°59 | 13°11 | 5°26 | 18°34 | 29°35 | 8° 3 | 9°15 | 15°35 | 4°24 | S 29 |
| M30 | 0 58 29 | 12♎44'12 | 25♓27 | 6♏18 | 28♍10 | 17♍25 | 22♐ 8 | 13♊10 | 5♌28 | 18♍36 | 29♈34 | 7♐53 | 9♐12 | 15♉42 | 4♏32 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n16 | 5s33 | 4n58 | 3n 4 | 0n45 | 11s14 | 7s24 | 13n 0 | 1n10 | 23s 3 | 0n 2 | 20n52 | 1s37 | 19n52 | 0n35 | 6n 7 | 1n17 | 3s49 | 16s22 | 22s 9 | 22s10 | 17n59 | 11s15 | 0n41 |
| M 2 | 5 54 | 0 48 | 4 59 | 2 18 | 0 39 | 11 20 | 7 32 | 12 46 | 1 10 | 23 4 | 0 2 | 20 52 | 1 37 | 19 51 | 0 35 | 6 6 | 1 17 | 3 49 | 16 22 | 22 8 | 22 9 | 18 0 | 11 17 | 0 41 |
| T 3 | 5 31 | 3n55 | 4 45 | 1 32 | 0 32 | 11 24 | 7 39 | 12 33 | 1 10 | 23 4 | 0 2 | 20 52 | 1 37 | 19 50 | 0 35 | 6 5 | 1 17 | 3 50 | 16 23 | 22 6 | 22 9 | 18 1 | 11 19 | 0 41 |
| W 4 | 5 8 | 8 23 | 4 18 | 0 47 | 0 26 | 11 27 | 7 46 | 12 19 | 1 10 | 23 5 | 0 2 | 20 52 | 1 37 | 19 50 | 0 35 | 6 5 | 1 17 | 3 50 | 16 23 | 22 4 | 22 8 | 18 3 | 11 21 | 0 42 |
| T 5 | 4 45 | 12 28 | 3 40 | 0 1 | 0 19 | 11 28 | 7 53 | 12 6 | 1 10 | 23 5 | 0 2 | 20 52 | 1 37 | 19 49 | 0 35 | 6 4 | 1 17 | 3 51 | 16 23 | 22 2 | 22 8 | 18 4 | 11 23 | 0 42 |
| F 6 | 4 22 | 16 0 | 2 52 | 0s44 | 0 12 | 11 28 | 7 59 | 11 52 | 1 10 | 23 6 | 0 1 | 20 52 | 1 37 | 19 48 | 0 36 | 6 3 | 1 17 | 3 51 | 16 23 | 22 1 | 22 7 | 18 5 | 11 25 | 0 42 |
| S 7 | 3 59 | 18 52 | 1 57 | 1 28 | 0 5 | 11 27 | 8 5 | 11 38 | 1 10 | 23 6 | 0 1 | 20 52 | 1 37 | 19 48 | 0 36 | 6 2 | 1 17 | 3 52 | 16 23 | 22 1 | 22 7 | 18 7 | 11 27 | 0 42 |
| S 8 | 3 35 | 20 55 | 0 58 | 2 13 | 0s 2 | 11 24 | 8 10 | 11 24 | 1 10 | 23 7 | 0 1 | 20 52 | 1 38 | 19 47 | 0 36 | 6 1 | 1 17 | 3 52 | 16 24 | 22 0 | 22 6 | 18 8 | 11 30 | 0 42 |
| M 9 | 3 12 | 22 4 | 0s 5 | 2 57 | 0 9 | 11 20 | 8 14 | 11 10 | 1 10 | 23 8 | 0 1 | 20 52 | 1 38 | 19 46 | 0 36 | 6 0 | 1 17 | 3 53 | 16 24 | 22 0 | 22 6 | 18 9 | 11 32 | 0 43 |
| T 10 | 2 49 | 22 13 | 1 8 | 3 40 | 0 17 | 11 14 | 8 18 | 10 56 | 1 10 | 23 8 | 0 1 | 20 52 | 1 38 | 19 46 | 0 36 | 5 59 | 1 17 | 3 53 | 16 24 | 22 0 | 22 6 | 18 10 | 11 34 | 0 43 |
| W11 | 2 25 | 21 19 | 2 9 | 4 23 | 0 24 | 11 7 | 8 21 | 10 42 | 1 10 | 23 9 | 0 1 | 20 52 | 1 38 | 19 45 | 0 36 | 5 59 | 1 17 | 3 53 | 16 24 | 22 0 | 22 5 | 18 12 | 11 36 | 0 43 |
| T 12 | 2 2 | 19 22 | 3 6 | 5 6 | 0 31 | 10 58 | 8 23 | 10 28 | 1 10 | 23 9 | 0 1 | 20 52 | 1 38 | 19 44 | 0 36 | 5 58 | 1 17 | 3 54 | 16 24 | 22 0 | 22 5 | 18 13 | 11 39 | 0 43 |
| F 13 | 1 38 | 16 23 | 3 55 | 5 48 | 0 38 | 10 48 | 8 24 | 10 14 | 1 10 | 23 10 | 0 1 | 20 52 | 1 38 | 19 44 | 0 36 | 5 57 | 1 17 | 3 54 | 16 24 | 21 59 | 22 4 | 18 14 | 11 41 | 0 44 |
| S 14 | 1 14 | 12 29 | 4 33 | 6 30 | 0 46 | 10 36 | 8 25 | 9 59 | 1 10 | 23 10 | 0 0 | 20 52 | 1 38 | 19 43 | 0 36 | 5 56 | 1 17 | 3 55 | 16 25 | 21 58 | 22 4 | 18 16 | 11 43 | 0 44 |
| S 15 | 0 51 | 7 49 | 4 56 | 7 11 | 0 53 | 10 23 | 8 25 | 9 45 | 1 10 | 23 11 | 0 0 | 20 52 | 1 38 | 19 43 | 0 36 | 5 55 | 1 17 | 3 55 | 16 25 | 21 57 | 22 3 | 18 17 | 11 45 | 0 44 |
| M16 | 0 27 | 2 35 | 5 2 | 7 52 | 1 0 | 10 9 | 8 24 | 9 31 | 1 10 | 23 12 | 0 0 | 20 52 | 1 38 | 19 42 | 0 36 | 5 54 | 1 17 | 3 56 | 16 25 | 21 55 | 22 3 | 18 18 | 11 48 | 0 44 |
| T 17 | 0 4 | 2s55 | 4 49 | 8 32 | 1 7 | 9 53 | 8 21 | 9 16 | 1 10 | 23 12 | 0 0 | 20 52 | 1 38 | 19 41 | 0 36 | 5 53 | 1 17 | 3 56 | 16 25 | 21 54 | 22 2 | 18 19 | 11 50 | 0 44 |
| W18 | 0s20 | 8 20 | 4 16 | 9 11 | 1 14 | 9 36 | 8 18 | 9 2 | 1 10 | 23 13 | 0 0 | 20 52 | 1 39 | 19 41 | 0 36 | 5 53 | 1 17 | 3 57 | 16 25 | 21 52 | 22 2 | 18 21 | 11 52 | 0 45 |
| T 19 | 0 44 | 13 17 | 3 26 | 9 50 | 1 22 | 9 18 | 8 15 | 8 47 | 1 10 | 23 14 | 0s 0 | 20 52 | 1 39 | 19 40 | 0 36 | 5 52 | 1 17 | 3 57 | 16 25 | 21 51 | 22 1 | 18 22 | 11 55 | 0 45 |
| F 20 | 1 8 | 17 24 | 2 22 | 10 28 | 1 29 | 8 59 | 8 10 | 8 32 | 1 10 | 23 14 | 0 0 | 20 52 | 1 39 | 19 40 | 0 36 | 5 51 | 1 17 | 3 58 | 16 26 | 21 50 | 22 1 | 18 23 | 11 57 | 0 45 |
| S 21 | 1 31 | 20 21 | 1 8 | 11 5 | 1 35 | 8 39 | 8 4 | 8 18 | 1 10 | 23 15 | 0 0 | 20 52 | 1 39 | 19 39 | 0 36 | 5 50 | 1 17 | 3 58 | 16 26 | 21 50 | 22 0 | 18 24 | 11 59 | 0 45 |
| S 22 | 1 55 | 21 55 | 0n 8 | 11 42 | 1 42 | 8 19 | 7 57 | 8 3 | 1 10 | 23 15 | 0 0 | 20 52 | 1 39 | 19 39 | 0 36 | 5 49 | 1 17 | 3 59 | 16 26 | 21 49 | 22 0 | 18 25 | 12 2 | 0 45 |
| M23 | 2 19 | 22 3 | 1 23 | 12 17 | 1 49 | 7 57 | 7 50 | 7 48 | 1 10 | 23 16 | 0 1 | 20 52 | 1 39 | 19 38 | 0 36 | 5 48 | 1 17 | 3 59 | 16 26 | 21 50 | 21 59 | 18 27 | 12 4 | 0 46 |
| T 24 | 2 42 | 20 48 | 2 31 | 12 52 | 1 55 | 7 35 | 7 41 | 7 33 | 1 10 | 23 17 | 0 1 | 20 51 | 1 39 | 19 38 | 0 36 | 5 48 | 1 17 | 3 59 | 16 26 | 21 50 | 21 59 | 18 28 | 12 7 | 0 46 |
| W25 | 3 6 | 18 24 | 3 29 | 13 27 | 2 2 | 7 13 | 7 32 | 7 19 | 1 10 | 23 17 | 0 1 | 20 51 | 1 39 | 19 37 | 0 36 | 5 47 | 1 17 | 4 0 | 16 26 | 21 49 | 21 58 | 18 29 | 12 9 | 0 46 |
| T 26 | 3 29 | 15 4 | 4 14 | 14 0 | 2 8 | 6 50 | 7 22 | 7 4 | 1 10 | 23 18 | 0 1 | 20 51 | 1 39 | 19 37 | 0 36 | 5 46 | 1 17 | 4 0 | 16 26 | 21 49 | 21 58 | 18 30 | 12 11 | 0 46 |
| F 27 | 3 53 | 11 4 | 4 46 | 14 32 | 2 14 | 6 27 | 7 12 | 6 49 | 1 10 | 23 19 | 0 1 | 20 51 | 1 39 | 19 36 | 0 36 | 5 45 | 1 17 | 4 1 | 16 26 | 21 48 | 21 58 | 18 31 | 12 14 | 0 47 |
| S 28 | 4 16 | 6 38 | 5 2 | 15 3 | 2 19 | 6 5 | 7 1 | 6 34 | 1 10 | 23 19 | 0 1 | 20 51 | 1 40 | 19 36 | 0 36 | 5 44 | 1 17 | 4 1 | 16 26 | 21 47 | 21 57 | 18 33 | 12 16 | 0 47 |
| S 29 | 4 40 | 2 1 | 5 4 | 15 34 | 2 25 | 5 42 | 6 49 | 6 19 | 1 10 | 23 20 | 0 1 | 20 50 | 1 40 | 19 35 | 0 36 | 5 44 | 1 17 | 4 2 | 16 27 | 21 45 | 21 57 | 18 34 | 12 19 | 0 47 |
| M30 | 5s 3 | 2n38 | 4n51 | 16s 3 | 2s30 | 5s19 | 6s36 | 6n 4 | 1n 9 | 23s20 | 0s 1 | 20n50 | 1s40 | 19n35 | 0n36 | 5n43 | 1n17 | 4s 2 | 16s27 | 21s44 | 21s56 | 18n35 | 12s21 | 0n47 |

Julian Day Number = 2129650.5, Delta T = 16m45s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'12, Lahiri = 11°34'13 Julian Calendar 1 Sept. 1118 == Greg. Calendar 8 Sept. 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## OCTOBER 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 2 25 | 13♎43'52 | 7♈41 | 7♏29 | 27°R44 | 18♍ 3 | 22♐17 | 13°R 8 | 5♌30 | 18♍38 | 29°R33 | 7°R42 | 9♐ 9 | 15♉49 | 4♏40 | T 1 |
| W 2 | 1 6 22 | 14°43'35 | 19°46 | 8°37 | 27♍19 | 18°41 | 22°26 | 13♊ 7 | 5°32 | 18°40 | 29♈32 | 7♐33 | 9° 6 | 15°55 | 4°48 | W 2 |
| T 3 | 1 10 18 | 15°43'20 | 1♉43 | 9°43 | 26°57 | 19°19 | 22°35 | 13° 6 | 5°33 | 18°42 | 29°31 | 7°25 | 9° 2 | 16° 2 | 4°55 | T 3 |
| F 4 | 1 14 15 | 16°43'06 | 13°34 | 10°47 | 26°38 | 19°58 | 22°44 | 13° 4 | 5°35 | 18°44 | 29°30 | 7°20 | 8°59 | 16° 9 | 5° 3 | F 4 |
| S 5 | 1 18 11 | 17°42'55 | 25°22 | 11°48 | 26°20 | 20°36 | 22°53 | 13° 2 | 5°37 | 18°46 | 29°29 | 7°17 | 8°56 | 16°15 | 5°11 | S 5 |
| S 6 | 1 22 8 | 18°42'47 | 7♊ 8 | 12°47 | 26° 5 | 21°14 | 23° 2 | 13° 1 | 5°38 | 18°48 | 29°28 | 7°D16 | 8°53 | 16°22 | 5°19 | S 6 |
| M 7 | 1 26 5 | 19°42'40 | 18°58 | 13°42 | 25°53 | 21°53 | 23°12 | 12°59 | 5°40 | 18°50 | 29°27 | 7°17 | 8°50 | 16°29 | 5°27 | M 7 |
| T 8 | 1 30 1 | 20°42'36 | 0♋56 | 14°34 | 25°43 | 22°31 | 23°21 | 12°57 | 5°42 | 18°52 | 29°25 | 7°18 | 8°46 | 16°35 | 5°35 | T 8 |
| W 9 | 1 33 58 | 21°42'33 | 13° 5 | 15°22 | 25°35 | 23° 9 | 23°31 | 12°55 | 5°43 | 18°54 | 29°24 | 7°19 | 8°43 | 16°42 | 5°43 | W 9 |
| T 10 | 1 37 54 | 22°42'34 | 25°33 | 16° 6 | 25°30 | 23°48 | 23°41 | 12°52 | 5°45 | 18°56 | 29°23 | 7°R20 | 8°40 | 16°49 | 5°51 | T 10 |
| F 11 | 1 41 51 | 23°42'36 | 8♌23 | 16°45 | 25°27 | 24°26 | 23°51 | 12°50 | 5°46 | 18°58 | 29°22 | 7°18 | 8°37 | 16°55 | 5°59 | F 11 |
| S 12 | 1 45 47 | 24°42'40 | 21°39 | 17°19 | 25°D27 | 25° 4 | 24° 1 | 12°48 | 5°47 | 19° 0 | 29°21 | 7°15 | 8°34 | 17° 2 | 6° 7 | S 12 |
| S 13 | 1 49 44 | 25°42'47 | 5♍24 | 17°47 | 25°29 | 25°43 | 24°11 | 12°45 | 5°49 | 19° 2 | 29°20 | 7°11 | 8°31 | 17° 9 | 6°15 | S 13 |
| M14 | 1 53 40 | 26°42'55 | 19°38 | 18° 9 | 25°34 | 26°21 | 24°21 | 12°43 | 5°50 | 19° 4 | 29°19 | 7° 5 | 8°27 | 17°15 | 6°24 | M14 |
| T 15 | 1 57 37 | 27°43'06 | 4♎18 | 18°24 | 25°40 | 26°59 | 24°32 | 12°40 | 5°51 | 19° 6 | 29°18 | 6°59 | 8°24 | 17°22 | 6°32 | T 15 |
| W16 | 2 1 33 | 28°43'19 | 19°18 | 18°R30 | 25°50 | 27°38 | 24°42 | 12°37 | 5°52 | 19° 8 | 29°16 | 6°53 | 8°21 | 17°29 | 6°40 | W16 |
| T 17 | 2 5 30 | 29°43'34 | 4♏28 | 18°29 | 26° 1 | 28°16 | 24°53 | 12°34 | 5°53 | 19° 9 | 29°15 | 6°48 | 8°18 | 17°35 | 6°48 | T 17 |
| F 18 | 2 9 27 | 0♏43'50 | 19°39 | 18°19 | 26°14 | 28°54 | 25° 3 | 12°31 | 5°54 | 19°11 | 29°14 | 6°45 | 8°15 | 17°42 | 6°56 | F 18 |
| S 19 | 2 13 23 | 1°44'08 | 4♐42 | 17°59 | 26°30 | 29°33 | 25°14 | 12°28 | 5°55 | 19°13 | 29°13 | 6°D44 | 8°12 | 17°49 | 7° 4 | S 19 |
| S 20 | 2 17 20 | 2°44'28 | 19°27 | 17°29 | 26°48 | 0♎11 | 25°25 | 12°25 | 5°56 | 19°15 | 29°12 | 6°45 | 8° 8 | 17°55 | 7°12 | S 20 |
| M21 | 2 21 16 | 3°44'50 | 3♑51 | 16°49 | 27° 7 | 0°49 | 25°36 | 12°22 | 5°57 | 19°16 | 29°11 | 6°46 | 8° 5 | 18° 2 | 7°20 | M21 |
| T 22 | 2 25 13 | 4°45'13 | 17°51 | 16° 0 | 27°29 | 1°28 | 25°47 | 12°19 | 5°58 | 19°18 | 29°10 | 6°47 | 8° 2 | 18° 8 | 7°29 | T 22 |
| W23 | 2 29 9 | 5°45'37 | 1♒26 | 15° 1 | 27°52 | 2° 6 | 25°58 | 12°15 | 5°59 | 19°20 | 29° 9 | 6°R48 | 7°59 | 18°15 | 7°37 | W23 |
| T 24 | 2 33 6 | 6°46'03 | 14°39 | 13°54 | 28°17 | 2°45 | 26° 9 | 12°12 | 5°59 | 19°21 | 29° 7 | 6°48 | 7°56 | 18°22 | 7°45 | T 24 |
| F 25 | 2 37 3 | 7°46'30 | 27°31 | 12°41 | 28°44 | 3°23 | 26°21 | 12° 8 | 6° 0 | 19°23 | 29° 6 | 6°47 | 7°52 | 18°28 | 7°53 | F 25 |
| S 26 | 2 40 59 | 8°46'58 | 10♓ 7 | 11°22 | 29°13 | 4° 1 | 26°32 | 12° 4 | 6° 1 | 19°25 | 29° 5 | 6°44 | 7°49 | 18°35 | 8° 1 | S 26 |
| S 27 | 2 44 56 | 9°47'28 | 22°29 | 10° 2 | 29°43 | 4°40 | 26°44 | 12° 1 | 6° 1 | 19°26 | 29° 4 | 6°40 | 7°46 | 18°42 | 8° 9 | S 27 |
| M28 | 2 48 52 | 10°47'59 | 4♈39 | 8°41 | 0♎14 | 5°18 | 26°55 | 11°57 | 6° 2 | 19°28 | 29° 3 | 6°35 | 7°43 | 18°48 | 8°18 | M28 |
| T 29 | 2 52 49 | 11°48'32 | 16°41 | 7°24 | 0°48 | 5°57 | 27° 7 | 11°53 | 6° 2 | 19°29 | 29° 2 | 6°31 | 7°40 | 18°55 | 8°26 | T 29 |
| W30 | 2 56 45 | 12°49'06 | 28°37 | 6°12 | 1°22 | 6°35 | 27°19 | 11°49 | 6° 3 | 19°31 | 29° 1 | 6°27 | 7°37 | 19° 2 | 8°34 | W30 |
| T 31 | 3 0 42 | 13♏49'41 | 10♉28 | 5♏ 8 | 1♎58 | 7♎13 | 27♐31 | 11♊45 | 6♌ 3 | 19♍32 | 29♈ 0 | 6♐23 | 7♐33 | 19♉ 8 | 8♏42 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s27 | 7n 7 | 4n25 | 16s31 | 2s35 | 4s57 | 6s24 | 5n49 | 1n 9 | 23s21 | 0s 1 | 20n50 | 1s40 | 19n34 | 0n36 | 5n42 | 1n17 | 4s 3 | 16s27 | 21s42 | 21s56 | 18n36 | 12s23 | 0n47 |
| W 2 | 5 50 | 11 16 | 3 47 | 16 57 | 2 40 | 4 36 | 6 11 | 5 34 | 1 9 | 23 22 | 0 2 | 20 50 | 1 40 | 19 34 | 0 36 | 5 41 | 1 17 | 4 3 | 16 27 | 21 40 | 21 55 | 18 37 | 12 26 | 0 48 |
| T 3 | 6 13 | 14 56 | 2 59 | 17 23 | 2 44 | 4 14 | 5 57 | 5 18 | 1 9 | 23 22 | 0 2 | 20 50 | 1 40 | 19 34 | 0 36 | 5 40 | 1 17 | 4 3 | 16 27 | 21 39 | 21 55 | 18 39 | 12 28 | 0 48 |
| F 4 | 6 36 | 17 58 | 2 4 | 17 47 | 2 48 | 3 54 | 5 43 | 5 3 | 1 9 | 23 23 | 0 2 | 20 49 | 1 40 | 19 33 | 0 36 | 5 40 | 1 17 | 4 4 | 16 27 | 21 38 | 21 54 | 18 40 | 12 31 | 0 48 |
| S 5 | 6 59 | 20 14 | 1 4 | 18 9 | 2 51 | 3 34 | 5 29 | 4 48 | 1 9 | 23 24 | 0 2 | 20 49 | 1 40 | 19 33 | 0 36 | 5 39 | 1 17 | 4 4 | 16 27 | 21 38 | 21 54 | 18 41 | 12 33 | 0 48 |
| S 6 | 7 22 | 21 37 | 0 1 | 18 30 | 2 54 | 3 15 | 5 15 | 4 33 | 1 9 | 23 24 | 0 2 | 20 49 | 1 40 | 19 32 | 0 37 | 5 38 | 1 17 | 4 5 | 16 27 | 21 38 | 21 53 | 18 42 | 12 36 | 0 49 |
| M 7 | 7 45 | 22 3 | 1s 3 | 18 50 | 2 56 | 2 57 | 5 1 | 4 17 | 1 9 | 23 25 | 0 2 | 20 48 | 1 40 | 19 32 | 0 37 | 5 37 | 1 17 | 4 5 | 16 27 | 21 38 | 21 53 | 18 43 | 12 38 | 0 49 |
| T 8 | 8 7 | 21 28 | 2 5 | 19 7 | 2 58 | 2 40 | 4 47 | 4 2 | 1 9 | 23 25 | 0 2 | 20 48 | 1 40 | 19 32 | 0 37 | 5 37 | 1 17 | 4 5 | 16 27 | 21 38 | 21 52 | 18 44 | 12 41 | 0 49 |
| W 9 | 8 30 | 19 53 | 3 2 | 19 22 | 2 59 | 2 24 | 4 32 | 3 47 | 1 9 | 23 26 | 0 2 | 20 48 | 1 40 | 19 31 | 0 37 | 5 36 | 1 17 | 4 6 | 16 27 | 21 38 | 21 52 | 18 46 | 12 43 | 0 49 |
| T 10 | 8 52 | 17 20 | 3 52 | 19 36 | 2 59 | 2 9 | 4 18 | 3 32 | 1 9 | 23 26 | 0 2 | 20 47 | 1 40 | 19 31 | 0 37 | 5 35 | 1 18 | 4 6 | 16 27 | 21 38 | 21 51 | 18 47 | 12 45 | 0 50 |
| F 11 | 9 15 | 13 53 | 4 32 | 19 47 | 2 59 | 1 55 | 4 4 | 3 16 | 1 8 | 23 27 | 0 3 | 20 47 | 1 41 | 19 31 | 0 37 | 5 34 | 1 18 | 4 7 | 16 27 | 21 38 | 21 51 | 18 48 | 12 48 | 0 50 |
| S 12 | 9 37 | 9 38 | 4 59 | 19 55 | 2 57 | 1 42 | 3 50 | 3 1 | 1 8 | 23 28 | 0 3 | 20 47 | 1 41 | 19 30 | 0 37 | 5 34 | 1 18 | 4 7 | 16 27 | 21 37 | 21 50 | 18 49 | 12 50 | 0 50 |
| S 13 | 9 59 | 4 46 | 5 10 | 20 1 | 2 55 | 1 30 | 3 36 | 2 45 | 1 8 | 23 28 | 0 3 | 20 46 | 1 41 | 19 30 | 0 37 | 5 33 | 1 18 | 4 7 | 16 27 | 21 37 | 21 50 | 18 50 | 12 53 | 0 50 |
| M14 | 10 21 | 0s31 | 5 3 | 20 4 | 2 51 | 1 19 | 3 22 | 2 30 | 1 8 | 23 29 | 0 3 | 20 46 | 1 41 | 19 30 | 0 37 | 5 32 | 1 18 | 4 8 | 16 27 | 21 36 | 21 49 | 18 51 | 12 55 | 0 50 |
| T 15 | 10 43 | 5 56 | 4 36 | 20 3 | 2 47 | 1 9 | 3 8 | 2 15 | 1 8 | 23 29 | 0 3 | 20 45 | 1 41 | 19 30 | 0 37 | 5 32 | 1 18 | 4 8 | 16 27 | 21 35 | 21 49 | 18 52 | 12 58 | 0 51 |
| W16 | 11 4 | 11 8 | 3 50 | 19 59 | 2 41 | 1 0 | 2 55 | 1 59 | 1 8 | 23 30 | 0 3 | 20 45 | 1 41 | 19 29 | 0 37 | 5 31 | 1 18 | 4 9 | 16 27 | 21 34 | 21 48 | 18 53 | 13 0 | 0 51 |
| T 17 | 11 26 | 15 41 | 2 47 | 19 52 | 2 33 | 0 52 | 2 41 | 1 44 | 1 8 | 23 30 | 0 3 | 20 45 | 1 41 | 19 29 | 0 37 | 5 30 | 1 18 | 4 9 | 16 27 | 21 33 | 21 48 | 18 54 | 13 3 | 0 51 |
| F 18 | 11 47 | 19 12 | 1 32 | 19 40 | 2 24 | 0 46 | 2 28 | 1 28 | 1 8 | 23 31 | 0 3 | 20 44 | 1 41 | 19 29 | 0 37 | 5 29 | 1 18 | 4 9 | 16 27 | 21 32 | 21 47 | 18 56 | 13 5 | 0 51 |
| S 19 | 12 8 | 21 22 | 0 11 | 19 24 | 2 14 | 0 40 | 2 15 | 1 13 | 1 7 | 23 31 | 0 3 | 20 44 | 1 41 | 19 29 | 0 37 | 5 29 | 1 18 | 4 10 | 16 27 | 21 32 | 21 47 | 18 57 | 13 7 | 0 52 |
| S 20 | 12 29 | 21 59 | 1n 9 | 19 4 | 2 1 | 0 36 | 2 3 | 0 57 | 1 7 | 23 32 | 0 3 | 20 43 | 1 41 | 19 28 | 0 37 | 5 28 | 1 18 | 4 10 | 16 27 | 21 32 | 21 46 | 18 58 | 13 10 | 0 52 |
| M21 | 12 50 | 21 7 | 2 23 | 18 39 | 1 47 | 0 32 | 1 51 | 0 42 | 1 7 | 23 32 | 0 4 | 20 43 | 1 41 | 19 28 | 0 37 | 5 28 | 1 18 | 4 10 | 16 27 | 21 33 | 21 46 | 18 59 | 13 12 | 0 52 |
| T 22 | 13 10 | 18 57 | 3 26 | 18 10 | 1 32 | 0 30 | 1 39 | 0 26 | 1 7 | 23 33 | 0 4 | 20 42 | 1 41 | 19 28 | 0 37 | 5 27 | 1 18 | 4 11 | 16 27 | 21 33 | 21 45 | 19 0 | 13 15 | 0 52 |
| W23 | 13 30 | 15 46 | 4 16 | 17 36 | 1 15 | 0 29 | 1 27 | 0 11 | 1 7 | 23 33 | 0 4 | 20 42 | 1 41 | 19 28 | 0 37 | 5 26 | 1 18 | 4 11 | 16 27 | 21 33 | 21 45 | 19 1 | 13 17 | 0 53 |
| T 24 | 13 50 | 11 53 | 4 51 | 16 59 | 0 56 | 0 28 | 1 15 | 0s 5 | 1 7 | 23 34 | 0 4 | 20 41 | 1 41 | 19 28 | 0 37 | 5 26 | 1 18 | 4 11 | 16 27 | 21 33 | 21 44 | 19 2 | 13 20 | 0 53 |
| F 25 | 14 10 | 7 33 | 5 10 | 16 18 | 0 36 | 0 29 | 1 4 | 0 20 | 1 7 | 23 34 | 0 4 | 20 41 | 1 41 | 19 28 | 0 37 | 5 25 | 1 18 | 4 12 | 16 27 | 21 33 | 21 44 | 19 3 | 13 22 | 0 53 |
| S 26 | 14 30 | 2 59 | 5 13 | 15 34 | 0 16 | 0 30 | 0 53 | 0 35 | 1 6 | 23 34 | 0 4 | 20 40 | 1 41 | 19 28 | 0 37 | 5 24 | 1 18 | 4 12 | 16 27 | 21 32 | 21 43 | 19 4 | 13 24 | 0 53 |
| S 27 | 14 49 | 1n37 | 5 2 | 14 49 | 0n 5 | 0 32 | 0 43 | 0 51 | 1 6 | 23 35 | 0 4 | 20 40 | 1 41 | 19 28 | 0 37 | 5 24 | 1 18 | 4 12 | 16 27 | 21 31 | 21 43 | 19 5 | 13 27 | 0 54 |
| M28 | 15 8 | 6 6 | 4 37 | 14 4 | 0 25 | 0 35 | 0 32 | 1 6 | 1 6 | 23 35 | 0 4 | 20 39 | 1 41 | 19 27 | 0 37 | 5 23 | 1 18 | 4 12 | 16 27 | 21 31 | 21 42 | 19 6 | 13 29 | 0 54 |
| T 29 | 15 27 | 10 17 | 4 0 | 13 20 | 0 45 | 0 40 | 0 22 | 1 22 | 1 6 | 23 36 | 0 4 | 20 39 | 1 41 | 19 27 | 0 37 | 5 23 | 1 18 | 4 13 | 16 26 | 21 30 | 21 41 | 19 7 | 13 32 | 0 54 |
| W30 | 15 46 | 14 2 | 3 13 | 12 39 | 1 4 | 0 44 | 0 13 | 1 37 | 1 6 | 23 36 | 0 4 | 20 38 | 1 41 | 19 27 | 0 37 | 5 22 | 1 18 | 4 13 | 16 26 | 21 29 | 21 41 | 19 8 | 13 34 | 0 54 |
| T 31 | 16s 4 | 17n13 | 2n18 | 12s 1 | 1n21 | 0s50 | 0s 3 | 1s53 | 1n 6 | 23s36 | 0s 5 | 20n38 | 1s41 | 19n27 | 0n38 | 5n22 | 1n18 | 4s13 | 16s26 | 21s29 | 21s40 | 19n 9 | 13s36 | 0n55 |

Julian Day Number = 2129680.5, Delta T = 16m44s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'16, Lahiri = 11°34'17 Julian Calendar 1 Oct. 1118 == Greg. Calendar 8 Oct. 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## NOVEMBER 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 4 38 | 14♏50'18 | 22♉16 | 4°R13 | 2♎36 | 7♎52 | 27♐42 | 11°R41 | 6♌ 3 | 19♍34 | 28°R59 | 6°R21 | 7♐30 | 19♉15 | 8♏50 | F 1 |
| S 2 | 3 8 35 | 15°50'57 | 4♊ 4 | 3♏29 | 3°14 | 8°30 | 27°55 | 11♊37 | 6° 3 | 19°35 | 28♈58 | 6°D21 | 7°27 | 19°22 | 8°58 | S 2 |
| S 3 | 3 12 31 | 16°51'37 | 15°54 | 2°56 | 3°54 | 9° 9 | 28° 7 | 11°32 | 6° 3 | 19°37 | 28°56 | 6♐21 | 7°24 | 19°28 | 9° 6 | S 3 |
| M 4 | 3 16 28 | 17°52'19 | 27°48 | 2°35 | 4°36 | 9°47 | 28°19 | 11°28 | 6° 4 | 19°38 | 28°55 | 6°22 | 7°21 | 19°35 | 9°14 | M 4 |
| T 5 | 3 20 25 | 18°53'03 | 9♋49 | 2°D25 | 5°18 | 10°25 | 28°31 | 11°24 | 6°R 4 | 19°39 | 28°54 | 6°24 | 7°17 | 19°42 | 9°22 | T 5 |
| W 6 | 3 24 21 | 19°53'47 | 22° 2 | 2°27 | 6° 1 | 11° 4 | 28°43 | 11°19 | 6° 4 | 19°41 | 28°53 | 6°25 | 7°14 | 19°48 | 9°30 | W 6 |
| T 7 | 3 28 18 | 20°54'34 | 4♌29 | 2°39 | 6°46 | 11°42 | 28°56 | 11°15 | 6° 4 | 19°42 | 28°52 | 6°26 | 7°11 | 19°55 | 9°38 | T 7 |
| F 8 | 3 32 14 | 21°55'22 | 17°16 | 3° 0 | 7°31 | 12°21 | 29° 8 | 11°10 | 6° 3 | 19°43 | 28°51 | 6°R27 | 7° 8 | 20° 2 | 9°47 | F 8 |
| S 9 | 3 36 11 | 22°56'12 | 0♍25 | 3°31 | 8°18 | 12°59 | 29°21 | 11° 6 | 6° 3 | 19°44 | 28°50 | 6°27 | 7° 5 | 20° 8 | 9°55 | S 9 |
| S 10 | 3 40 7 | 23°57'03 | 13°59 | 4° 9 | 9° 5 | 13°38 | 29°33 | 11° 1 | 6° 3 | 19°46 | 28°49 | 6°26 | 7° 2 | 20°15 | 10° 3 | S 10 |
| M11 | 3 44 4 | 24°57'55 | 28° 1 | 4°54 | 9°54 | 14°16 | 29°46 | 10°57 | 6° 3 | 19°47 | 28°48 | 6°25 | 6°58 | 20°22 | 10°10 | M11 |
| T 12 | 3 48 0 | 25°58'49 | 12♎28 | 5°46 | 10°43 | 14°55 | 29°59 | 10°52 | 6° 2 | 19°48 | 28°47 | 6°24 | 6°55 | 20°28 | 10°18 | T 12 |
| W13 | 3 51 57 | 26°59'45 | 27°18 | 6°42 | 11°33 | 15°33 | 0♑11 | 10°47 | 6° 2 | 19°49 | 28°46 | 6°22 | 6°52 | 20°35 | 10°26 | W13 |
| T 14 | 3 55 54 | 28° 0'42 | 12♏24 | 7°44 | 12°24 | 16°12 | 0°24 | 10°42 | 6° 1 | 19°50 | 28°45 | 6°22 | 6°49 | 20°41 | 10°34 | T 14 |
| F 15 | 3 59 50 | 29° 1'40 | 27°38 | 8°50 | 13°16 | 16°50 | 0°37 | 10°38 | 6° 1 | 19°51 | 28°44 | 6°21 | 6°46 | 20°48 | 10°42 | F 15 |
| S 16 | 4 3 47 | 0♐ 2'39 | 12♐49 | 9°59 | 14° 8 | 17°29 | 0°50 | 10°33 | 6° 0 | 19°52 | 28°43 | 6°D21 | 6°43 | 20°55 | 10°50 | S 16 |
| S 17 | 4 7 43 | 1° 3'39 | 27°48 | 11°11 | 15° 1 | 18° 7 | 1° 3 | 10°28 | 6° 0 | 19°53 | 28°42 | 6°21 | 6°39 | 21° 1 | 10°58 | S 17 |
| M18 | 4 11 40 | 2° 4'40 | 12♑27 | 12°26 | 15°55 | 18°46 | 1°16 | 10°23 | 5°59 | 19°54 | 28°41 | 6°22 | 6°36 | 21° 8 | 11° 6 | M18 |
| T 19 | 4 15 36 | 3° 5'42 | 26°41 | 13°43 | 16°50 | 19°24 | 1°29 | 10°18 | 5°58 | 19°55 | 28°41 | 6°22 | 6°33 | 21°15 | 11°13 | T 19 |
| W20 | 4 19 33 | 4° 6'44 | 10♒28 | 15° 3 | 17°45 | 20° 3 | 1°42 | 10°13 | 5°58 | 19°56 | 28°40 | 6°22 | 6°30 | 21°21 | 11°21 | W20 |
| T 21 | 4 23 30 | 5° 7'47 | 23°49 | 16°24 | 18°40 | 20°41 | 1°56 | 10° 8 | 5°57 | 19°57 | 28°39 | 6°23 | 6°27 | 21°28 | 11°29 | T 21 |
| F 22 | 4 27 26 | 6° 8'50 | 6♓44 | 17°46 | 19°37 | 21°20 | 2° 9 | 10° 3 | 5°56 | 19°58 | 28°38 | 6°23 | 6°23 | 21°35 | 11°36 | F 22 |
| S 23 | 4 31 23 | 7° 9'54 | 19°19 | 19°10 | 20°34 | 21°58 | 2°22 | 9°58 | 5°55 | 19°59 | 28°37 | 6°23 | 6°20 | 21°41 | 11°44 | S 23 |
| S 24 | 4 35 19 | 8°10'59 | 1♈36 | 20°34 | 21°31 | 22°37 | 2°35 | 9°53 | 5°54 | 19°59 | 28°36 | 6°23 | 6°17 | 21°48 | 11°52 | S 24 |
| M25 | 4 39 16 | 9°12'04 | 13°40 | 22° 0 | 22°29 | 23°15 | 2°49 | 9°48 | 5°53 | 20° 0 | 28°35 | 6°23 | 6°14 | 21°55 | 11°59 | M25 |
| T 26 | 4 43 12 | 10°13'09 | 25°35 | 23°27 | 23°28 | 23°54 | 3° 2 | 9°43 | 5°52 | 20° 1 | 28°35 | 6°23 | 6°11 | 22° 1 | 12° 7 | T 26 |
| W27 | 4 47 9 | 11°14'15 | 7♉24 | 24°54 | 24°27 | 24°32 | 3°16 | 9°38 | 5°51 | 20° 1 | 28°34 | 6°24 | 6° 8 | 22° 8 | 12°14 | W27 |
| T 28 | 4 51 5 | 12°15'21 | 19°12 | 26°22 | 25°26 | 25°11 | 3°29 | 9°34 | 5°49 | 20° 2 | 28°33 | 6°24 | 6° 4 | 22°15 | 12°22 | T 28 |
| F 29 | 4 55 2 | 13°16'28 | 1♊ 0 | 27°50 | 26°26 | 25°49 | 3°43 | 9°29 | 5°48 | 20° 3 | 28°32 | 6°R25 | 6° 1 | 22°21 | 12°29 | F 29 |
| S 30 | 4 58 59 | 14♐17'36 | 12♊52 | 29♏19 | 27♎27 | 26♎28 | 3♑56 | 9♊24 | 5♌47 | 20♍ 3 | 28♈31 | 6♐25 | 5♐58 | 22♉28 | 12♏36 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s22 | 19n40 | 1n17 | 11s28 | 1n37 | 0s57 | 0n 6 | 2s 8 | 1n 5 | 23s37 | 0s 5 | 20n37 | 1s41 | 19n27 | 0n38 | 5n21 | 1n18 | 4s14 | 16s26 | 21s28 | 21s40 | 19n10 | 13s39 | 0n55 |
| S 2 | 16 40 | 21 16 | 0 13 | 11 0 | 1 50 | 1 4 | 0 15 | 2 23 | 1 5 | 23 37 | 0 5 | 20 37 | 1 41 | 19 27 | 0 38 | 5 21 | 1 18 | 4 14 | 16 26 | 21 28 | 21 39 | 19 11 | 13 41 | 0 55 |
| S 3 | 16 57 | 21 56 | 0s53 | 10 38 | 2 2 | 1 12 | 0 23 | 2 39 | 1 5 | 23 37 | 0 5 | 20 36 | 1 41 | 19 27 | 0 38 | 5 20 | 1 18 | 4 14 | 16 26 | 21 28 | 21 39 | 19 12 | 13 43 | 0 55 |
| M 4 | 17 14 | 21 36 | 1 56 | 10 22 | 2 11 | 1 21 | 0 32 | 2 54 | 1 5 | 23 37 | 0 5 | 20 35 | 1 41 | 19 27 | 0 38 | 5 20 | 1 18 | 4 14 | 16 26 | 21 28 | 21 38 | 19 14 | 13 46 | 0 56 |
| T 5 | 17 31 | 20 17 | 2 55 | 10 12 | 2 19 | 1 30 | 0 40 | 3 9 | 1 5 | 23 38 | 0 5 | 20 35 | 1 41 | 19 27 | 0 38 | 5 19 | 1 19 | 4 15 | 16 26 | 21 29 | 21 38 | 19 15 | 13 48 | 0 56 |
| W 6 | 17 48 | 18 0 | 3 47 | 10 7 | 2 24 | 1 40 | 0 48 | 3 25 | 1 4 | 23 38 | 0 5 | 20 34 | 1 41 | 19 27 | 0 38 | 5 19 | 1 19 | 4 15 | 16 25 | 21 29 | 21 37 | 19 16 | 13 50 | 0 56 |
| T 7 | 18 4 | 14 52 | 4 29 | 10 8 | 2 28 | 1 51 | 0 55 | 3 40 | 1 4 | 23 38 | 0 5 | 20 34 | 1 41 | 19 27 | 0 38 | 5 18 | 1 19 | 4 15 | 16 25 | 21 29 | 21 37 | 19 17 | 13 53 | 0 56 |
| F 8 | 18 20 | 10 58 | 5 0 | 10 13 | 2 31 | 2 3 | 1 2 | 3 55 | 1 4 | 23 38 | 0 5 | 20 33 | 1 41 | 19 27 | 0 38 | 5 18 | 1 19 | 4 15 | 16 25 | 21 29 | 21 36 | 19 18 | 13 55 | 0 57 |
| S 9 | 18 36 | 6 27 | 5 16 | 10 22 | 2 32 | 2 15 | 1 9 | 4 10 | 1 4 | 23 38 | 0 5 | 20 32 | 1 41 | 19 28 | 0 38 | 5 17 | 1 19 | 4 15 | 16 25 | 21 29 | 21 36 | 19 19 | 13 57 | 0 57 |
| S 10 | 18 51 | 1 29 | 5 15 | 10 35 | 2 31 | 2 27 | 1 16 | 4 26 | 1 4 | 23 39 | 0 5 | 20 32 | 1 41 | 19 28 | 0 38 | 5 17 | 1 19 | 4 16 | 16 25 | 21 29 | 21 35 | 19 20 | 14 0 | 0 57 |
| M11 | 19 6 | 3s43 | 4 55 | 10 52 | 2 30 | 2 40 | 1 23 | 4 41 | 1 3 | 23 39 | 0 6 | 20 31 | 1 41 | 19 28 | 0 38 | 5 16 | 1 19 | 4 16 | 16 25 | 21 29 | 21 35 | 19 20 | 14 2 | 0 57 |
| T 12 | 19 20 | 8 53 | 4 17 | 11 11 | 2 28 | 2 54 | 1 29 | 4 56 | 1 3 | 23 39 | 0 6 | 20 31 | 1 41 | 19 28 | 0 38 | 5 16 | 1 19 | 4 16 | 16 25 | 21 29 | 21 34 | 19 21 | 14 4 | 0 58 |
| W13 | 19 35 | 13 41 | 3 20 | 11 33 | 2 24 | 3 8 | 1 35 | 5 11 | 1 3 | 23 39 | 0 6 | 20 30 | 1 41 | 19 28 | 0 38 | 5 16 | 1 19 | 4 16 | 16 24 | 21 28 | 21 34 | 19 22 | 14 6 | 0 58 |
| T 14 | 19 49 | 17 41 | 2 9 | 11 56 | 2 21 | 3 23 | 1 41 | 5 26 | 1 3 | 23 39 | 0 6 | 20 29 | 1 41 | 19 28 | 0 38 | 5 15 | 1 19 | 4 16 | 16 24 | 21 28 | 21 33 | 19 23 | 14 8 | 0 58 |
| F 15 | 20 2 | 20 31 | 0 48 | 12 22 | 2 16 | 3 38 | 1 46 | 5 41 | 1 2 | 23 39 | 0 6 | 20 29 | 1 41 | 19 28 | 0 38 | 5 15 | 1 19 | 4 16 | 16 24 | 21 28 | 21 32 | 19 24 | 14 11 | 0 59 |
| S 16 | 20 15 | 21 51 | 0n36 | 12 48 | 2 11 | 3 53 | 1 52 | 5 56 | 1 2 | 23 39 | 0 6 | 20 28 | 1 41 | 19 29 | 0 38 | 5 14 | 1 19 | 4 17 | 16 24 | 21 28 | 21 32 | 19 25 | 14 13 | 0 59 |
| S 17 | 20 28 | 21 36 | 1 57 | 13 16 | 2 5 | 4 9 | 1 57 | 6 11 | 1 2 | 23 39 | 0 6 | 20 27 | 1 41 | 19 29 | 0 38 | 5 14 | 1 19 | 4 17 | 16 24 | 21 28 | 21 31 | 19 26 | 14 15 | 0 59 |
| M18 | 20 41 | 19 51 | 3 8 | 13 45 | 1 59 | 4 25 | 2 1 | 6 26 | 1 2 | 23 39 | 0 6 | 20 27 | 1 41 | 19 29 | 0 38 | 5 14 | 1 19 | 4 17 | 16 23 | 21 28 | 21 31 | 19 27 | 14 17 | 0 59 |
| T 19 | 20 53 | 16 54 | 4 5 | 14 14 | 1 53 | 4 42 | 2 6 | 6 41 | 1 1 | 23 39 | 0 6 | 20 26 | 1 41 | 19 29 | 0 38 | 5 13 | 1 19 | 4 17 | 16 23 | 21 28 | 21 30 | 19 28 | 14 19 | 1 0 |
| W20 | 21 4 | 13 6 | 4 46 | 14 44 | 1 46 | 4 59 | 2 10 | 6 56 | 1 1 | 23 39 | 0 6 | 20 26 | 1 41 | 19 29 | 0 38 | 5 13 | 1 19 | 4 17 | 16 23 | 21 28 | 21 30 | 19 29 | 14 21 | 1 0 |
| T 21 | 21 15 | 8 45 | 5 11 | 15 14 | 1 40 | 5 17 | 2 15 | 7 10 | 1 1 | 23 39 | 0 7 | 20 25 | 1 41 | 19 30 | 0 38 | 5 13 | 1 19 | 4 17 | 16 23 | 21 29 | 21 29 | 19 30 | 14 24 | 1 0 |
| F 22 | 21 26 | 4 9 | 5 18 | 15 44 | 1 33 | 5 34 | 2 19 | 7 25 | 1 1 | 23 39 | 0 7 | 20 24 | 1 41 | 19 30 | 0 38 | 5 13 | 1 19 | 4 17 | 16 22 | 21 29 | 21 29 | 19 31 | 14 26 | 1 1 |
| S 23 | 21 37 | 0n30 | 5 10 | 16 13 | 1 26 | 5 52 | 2 22 | 7 40 | 1 0 | 23 39 | 0 7 | 20 24 | 1 41 | 19 30 | 0 38 | 5 12 | 1 19 | 4 17 | 16 22 | 21 29 | 21 28 | 19 32 | 14 28 | 1 1 |
| S 24 | 21 47 | 5 2 | 4 48 | 16 43 | 1 18 | 6 10 | 2 26 | 7 54 | 1 0 | 23 38 | 0 7 | 20 23 | 1 40 | 19 30 | 0 38 | 5 12 | 1 19 | 4 17 | 16 22 | 21 29 | 21 28 | 19 33 | 14 30 | 1 1 |
| M25 | 21 56 | 9 18 | 4 13 | 17 13 | 1 11 | 6 29 | 2 29 | 8 9 | 1 0 | 23 38 | 0 7 | 20 22 | 1 40 | 19 31 | 0 39 | 5 12 | 1 20 | 4 17 | 16 22 | 21 29 | 21 27 | 19 34 | 14 32 | 1 1 |
| T 26 | 22 5 | 13 10 | 3 28 | 17 42 | 1 4 | 6 48 | 2 32 | 8 24 | 1 0 | 23 38 | 0 7 | 20 22 | 1 40 | 19 31 | 0 39 | 5 12 | 1 20 | 4 17 | 16 22 | 21 29 | 21 26 | 19 35 | 14 34 | 1 2 |
| W27 | 22 14 | 16 29 | 2 35 | 18 10 | 0 56 | 7 7 | 2 35 | 8 38 | 0 59 | 23 38 | 0 7 | 20 21 | 1 40 | 19 31 | 0 39 | 5 11 | 1 20 | 4 17 | 16 21 | 21 29 | 21 26 | 19 36 | 14 36 | 1 2 |
| T 28 | 22 22 | 19 7 | 1 34 | 18 39 | 0 49 | 7 26 | 2 38 | 8 52 | 0 59 | 23 38 | 0 7 | 20 20 | 1 40 | 19 32 | 0 39 | 5 11 | 1 20 | 4 17 | 16 21 | 21 29 | 21 25 | 19 36 | 14 38 | 1 2 |
| F 29 | 22 30 | 20 57 | 0 30 | 19 6 | 0 41 | 7 45 | 2 41 | 9 7 | 0 59 | 23 37 | 0 7 | 20 20 | 1 40 | 19 32 | 0 39 | 5 11 | 1 20 | 4 17 | 16 21 | 21 29 | 21 25 | 19 37 | 14 40 | 1 3 |
| S 30 | 22s37 | 21n51 | 0s36 | 19s33 | 0n34 | 8s 5 | 2n43 | 9s21 | 0n58 | 23s37 | 0s 7 | 20n19 | 1s40 | 19n32 | 0n39 | 5n11 | 1n20 | 4s17 | 16s21 | 21s29 | 21s24 | 19n38 | 14s42 | 1n 3 |

Julian Day Number = 2129711.5, Delta T = 16m44s
Ecliptic obliquity = 23°33'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'20, Lahiri = 11°34'21 Julian Calendar 1 Nov. 1118 == Greg. Calendar 8 Nov. 1118


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# ASTRODIENST EPHEMERIS for the year 1118
# geocentric

## DECEMBER 1118 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 2 55 | 15♐18'44 | 24♊49 | 0♐49 | 28♎28 | 27♎ 6 | 4♑10 | 9°R19 | 5°R46 | 20♍ 4 | 28°R31 | 6°R24 | 5♐55 | 22♉35 | 12♏44 | S 1 |
| M 2 | 5 6 52 | 16°19'52 | 6♋53 | 2°18 | 29°29 | 27°45 | 4°24 | 9♊14 | 5♌44 | 20° 4 | 28♈30 | 6♐23 | 5°52 | 22°41 | 12°51 | M 2 |
| T 3 | 5 10 48 | 17°21'01 | 19° 5 | 3°49 | 0♏31 | 28°23 | 4°37 | 9° 9 | 5°43 | 20° 5 | 28°29 | 6°22 | 5°49 | 22°48 | 12°58 | T 3 |
| W 4 | 5 14 45 | 18°22'11 | 1♌29 | 5°19 | 1°33 | 29° 2 | 4°51 | 9° 4 | 5°41 | 20° 5 | 28°29 | 6°20 | 5°45 | 22°54 | 13° 5 | W 4 |
| T 5 | 5 18 41 | 19°23'21 | 14° 6 | 6°50 | 2°35 | 29°40 | 5° 5 | 8°59 | 5°40 | 20° 6 | 28°28 | 6°18 | 5°42 | 23° 1 | 13°13 | T 5 |
| F 6 | 5 22 38 | 20°24'32 | 26°57 | 8°21 | 3°38 | 0♏19 | 5°19 | 8°54 | 5°38 | 20° 6 | 28°27 | 6°17 | 5°39 | 23° 8 | 13°20 | F 6 |
| S 7 | 5 26 34 | 21°25'43 | 10♍ 6 | 9°53 | 4°41 | 0°58 | 5°32 | 8°49 | 5°37 | 20° 6 | 28°27 | 6°16 | 5°36 | 23°14 | 13°27 | S 7 |
| S 8 | 5 30 31 | 22°26'55 | 23°33 | 11°25 | 5°45 | 1°36 | 5°46 | 8°45 | 5°35 | 20° 7 | 28°26 | 6°D15 | 5°33 | 23°21 | 13°34 | S 8 |
| M 9 | 5 34 28 | 23°28'07 | 7♎22 | 12°57 | 6°49 | 2°15 | 6° 0 | 8°40 | 5°33 | 20° 7 | 28°25 | 6°16 | 5°29 | 23°28 | 13°41 | M 9 |
| T 10 | 5 38 24 | 24°29'19 | 21°31 | 14°29 | 7°53 | 2°53 | 6°14 | 8°35 | 5°31 | 20° 7 | 28°25 | 6°17 | 5°26 | 23°34 | 13°47 | T 10 |
| W11 | 5 42 21 | 25°30'33 | 6♏ 0 | 16° 2 | 8°57 | 3°32 | 6°28 | 8°31 | 5°30 | 20° 7 | 28°24 | 6°18 | 5°23 | 23°41 | 13°54 | W11 |
| T 12 | 5 46 17 | 26°31'46 | 20°45 | 17°35 | 10° 2 | 4°10 | 6°42 | 8°26 | 5°28 | 20° 7 | 28°24 | 6°19 | 5°20 | 23°48 | 14° 1 | T 12 |
| F 13 | 5 50 14 | 27°33'00 | 5♐42 | 19° 8 | 11° 7 | 4°49 | 6°56 | 8°21 | 5°26 | 20° 8 | 28°23 | 6°R20 | 5°17 | 23°54 | 14° 8 | F 13 |
| S 14 | 5 54 10 | 28°34'14 | 20°42 | 20°42 | 12°12 | 5°27 | 7°10 | 8°17 | 5°24 | 20° 8 | 28°23 | 6°19 | 5°14 | 24° 1 | 14°14 | S 14 |
| S 15 | 5 58 7 | 29°35'28 | 5♑37 | 22°16 | 13°18 | 6° 6 | 7°24 | 8°12 | 5°22 | 20° 8 | 28°22 | 6°18 | 5°10 | 24° 8 | 14°21 | S 15 |
| M16 | 6 2 3 | 0♑36'42 | 20°19 | 23°50 | 14°24 | 6°44 | 7°38 | 8° 8 | 5°20 | 20°R 8 | 28°22 | 6°15 | 5° 7 | 24°14 | 14°27 | M16 |
| T 17 | 6 6 0 | 1°37'56 | 4♒41 | 25°25 | 15°30 | 7°23 | 7°52 | 8° 4 | 5°18 | 20° 8 | 28°21 | 6°11 | 5° 4 | 24°21 | 14°34 | T 17 |
| W18 | 6 9 57 | 2°39'09 | 18°37 | 27° 0 | 16°36 | 8° 1 | 8° 6 | 7°59 | 5°16 | 20° 8 | 28°21 | 6° 7 | 5° 1 | 24°28 | 14°40 | W18 |
| T 19 | 6 13 53 | 3°40'22 | 2♓ 7 | 28°36 | 17°43 | 8°40 | 8°20 | 7°55 | 5°14 | 20° 8 | 28°21 | 6° 3 | 4°58 | 24°34 | 14°47 | T 19 |
| F 20 | 6 17 50 | 4°41'34 | 15°10 | 0♑11 | 18°50 | 9°18 | 8°34 | 7°51 | 5°12 | 20° 7 | 28°20 | 6° 0 | 4°55 | 24°41 | 14°53 | F 20 |
| S 21 | 6 21 46 | 5°42'46 | 27°49 | 1°48 | 19°57 | 9°57 | 8°48 | 7°47 | 5°10 | 20° 7 | 28°20 | 5°59 | 4°51 | 24°48 | 14°59 | S 21 |
| S 22 | 6 25 43 | 6°43'57 | 10♈ 8 | 3°24 | 21° 4 | 10°35 | 9° 2 | 7°43 | 5° 7 | 20° 7 | 28°20 | 5°D58 | 4°48 | 24°54 | 15° 5 | S 22 |
| M23 | 6 29 39 | 7°45'08 | 22°11 | 5° 1 | 22°11 | 11°14 | 9°16 | 7°39 | 5° 5 | 20° 7 | 28°19 | 5°59 | 4°45 | 25° 1 | 15°11 | M23 |
| T 24 | 6 33 36 | 8°46'18 | 4♉ 4 | 6°39 | 23°19 | 11°52 | 9°30 | 7°35 | 5° 3 | 20° 7 | 28°19 | 6° 1 | 4°42 | 25° 7 | 15°17 | T 24 |
| W25 | 6 37 32 | 9°47'27 | 15°51 | 8°17 | 24°26 | 12°31 | 9°44 | 7°31 | 5° 1 | 20° 6 | 28°19 | 6° 3 | 4°39 | 25°14 | 15°23 | W25 |
| T 26 | 6 41 29 | 10°48'36 | 27°38 | 9°56 | 25°34 | 13° 9 | 9°58 | 7°27 | 4°58 | 20° 6 | 28°18 | 6° 4 | 4°35 | 25°21 | 15°29 | T 26 |
| F 27 | 6 45 26 | 11°49'44 | 9♊29 | 11°35 | 26°42 | 13°48 | 10°12 | 7°24 | 4°56 | 20° 6 | 28°18 | 6°R 5 | 4°32 | 25°27 | 15°35 | F 27 |
| S 28 | 6 49 22 | 12°50'51 | 21°26 | 13°14 | 27°51 | 14°26 | 10°26 | 7°20 | 4°54 | 20° 5 | 28°18 | 6° 3 | 4°29 | 25°34 | 15°40 | S 28 |
| S 29 | 6 53 19 | 13°51'58 | 3♋32 | 14°54 | 28°59 | 15° 5 | 10°41 | 7°17 | 4°51 | 20° 5 | 28°18 | 6° 0 | 4°26 | 25°41 | 15°46 | S 29 |
| M30 | 6 57 15 | 14°53'04 | 15°50 | 16°35 | 0♐ 8 | 15°43 | 10°55 | 7°13 | 4°49 | 20° 4 | 28°18 | 5°55 | 4°23 | 25°47 | 15°51 | M30 |
| T 31 | 7 1 12 | 15♑54'10 | 28♋19 | 18♑16 | 1♐17 | 16♏22 | 11♑ 9 | 7♊10 | 4♌47 | 20♍ 4 | 28♈17 | 5♐48 | 4♐20 | 25♉54 | 15♏57 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s44 | 21n47 | 1s40 | 19s59 | 0n26 | 8s24 | 2n45 | 9s35 | 0n58 | 23s37 | 0s 7 | 20n18 | 1s40 | 19n33 | 0n39 | 5n11 | 1n20 | 4s17 | 16s20 | 21s29 | 21s24 | 19n39 | 14s44 | 1n 3 |
| M 2 | 22 51 | 20 41 | 2 41 | 20 24 | 0 19 | 8 44 | 2 47 | 9 49 | 0 58 | 23 36 | 0 8 | 20 18 | 1 40 | 19 33 | 0 39 | 5 10 | 1 20 | 4 17 | 16 20 | 21 29 | 21 23 | 19 40 | 14 46 | 1 4 |
| T 3 | 22 57 | 18 38 | 3 35 | 20 49 | 0 12 | 9 4 | 2 49 | 10 4 | 0 57 | 23 36 | 0 8 | 20 17 | 1 39 | 19 34 | 0 39 | 5 10 | 1 20 | 4 17 | 16 20 | 21 28 | 21 23 | 19 41 | 14 47 | 1 4 |
| W 4 | 23 2 | 15 41 | 4 20 | 21 13 | 0 5 | 9 24 | 2 51 | 10 18 | 0 57 | 23 35 | 0 8 | 20 17 | 1 39 | 19 34 | 0 39 | 5 10 | 1 20 | 4 17 | 16 19 | 21 28 | 21 22 | 19 42 | 14 49 | 1 4 |
| T 5 | 23 8 | 12 0 | 4 53 | 21 36 | 0s 2 | 9 44 | 2 52 | 10 32 | 0 57 | 23 35 | 0 8 | 20 16 | 1 39 | 19 34 | 0 39 | 5 10 | 1 20 | 4 17 | 16 19 | 21 28 | 21 21 | 19 43 | 14 51 | 1 4 |
| F 6 | 23 12 | 7 41 | 5 13 | 21 57 | 0 9 | 10 4 | 2 54 | 10 45 | 0 56 | 23 35 | 0 8 | 20 15 | 1 39 | 19 35 | 0 39 | 5 10 | 1 20 | 4 17 | 16 19 | 21 27 | 21 21 | 19 43 | 14 53 | 1 5 |
| S 7 | 23 16 | 2 57 | 5 16 | 22 18 | 0 16 | 10 24 | 2 55 | 10 59 | 0 56 | 23 34 | 0 8 | 20 15 | 1 39 | 19 35 | 0 39 | 5 10 | 1 20 | 4 17 | 16 19 | 21 27 | 21 20 | 19 44 | 14 55 | 1 5 |
| S 8 | 23 20 | 2s 3 | 5 3 | 22 38 | 0 23 | 10 44 | 2 56 | 11 13 | 0 56 | 23 34 | 0 8 | 20 14 | 1 39 | 19 36 | 0 39 | 5 10 | 1 20 | 4 17 | 16 18 | 21 27 | 21 20 | 19 45 | 14 57 | 1 5 |
| M 9 | 23 23 | 7 5 | 4 31 | 22 57 | 0 30 | 11 4 | 2 57 | 11 27 | 0 55 | 23 33 | 0 8 | 20 14 | 1 39 | 19 36 | 0 39 | 5 10 | 1 20 | 4 17 | 16 18 | 21 27 | 21 19 | 19 46 | 14 58 | 1 6 |
| T 10 | 23 26 | 11 52 | 3 43 | 23 15 | 0 36 | 11 24 | 2 57 | 11 40 | 0 55 | 23 33 | 0 8 | 20 13 | 1 39 | 19 37 | 0 39 | 5 10 | 1 20 | 4 17 | 16 18 | 21 28 | 21 19 | 19 47 | 15 0 | 1 6 |
| W11 | 23 29 | 16 6 | 2 40 | 23 31 | 0 43 | 11 44 | 2 58 | 11 54 | 0 55 | 23 32 | 0 8 | 20 12 | 1 38 | 19 37 | 0 39 | 5 10 | 1 20 | 4 17 | 16 17 | 21 28 | 21 18 | 19 48 | 15 2 | 1 6 |
| T 12 | 23 30 | 19 24 | 1 25 | 23 47 | 0 49 | 12 4 | 2 58 | 12 7 | 0 54 | 23 31 | 0 8 | 20 12 | 1 38 | 19 37 | 0 39 | 5 10 | 1 20 | 4 17 | 16 17 | 21 28 | 21 18 | 19 49 | 15 4 | 1 7 |
| F 13 | 23 32 | 21 25 | 0 4 | 24 1 | 0 55 | 12 24 | 2 59 | 12 21 | 0 54 | 23 31 | 0 9 | 20 11 | 1 38 | 19 38 | 0 39 | 5 10 | 1 20 | 4 17 | 16 17 | 21 28 | 21 17 | 19 49 | 15 5 | 1 7 |
| S 14 | 23 33 | 21 55 | 1n19 | 24 14 | 1 1 | 12 44 | 2 59 | 12 34 | 0 53 | 23 30 | 0 9 | 20 11 | 1 38 | 19 38 | 0 39 | 5 10 | 1 21 | 4 17 | 16 16 | 21 28 | 21 16 | 19 50 | 15 7 | 1 7 |
| S 15 | 23 33 | 20 51 | 2 35 | 24 26 | 1 6 | 13 4 | 2 59 | 12 47 | 0 53 | 23 29 | 0 9 | 20 10 | 1 38 | 19 39 | 0 39 | 5 10 | 1 21 | 4 16 | 16 16 | 21 28 | 21 16 | 19 51 | 15 9 | 1 8 |
| M16 | 23 33 | 18 24 | 3 39 | 24 36 | 1 12 | 13 24 | 2 58 | 13 0 | 0 53 | 23 29 | 0 9 | 20 10 | 1 38 | 19 39 | 0 39 | 5 10 | 1 21 | 4 16 | 16 16 | 21 27 | 21 15 | 19 52 | 15 10 | 1 8 |
| T 17 | 23 33 | 14 50 | 4 28 | 24 45 | 1 17 | 13 43 | 2 58 | 13 13 | 0 52 | 23 28 | 0 9 | 20 9 | 1 37 | 19 40 | 0 39 | 5 10 | 1 21 | 4 16 | 16 15 | 21 26 | 21 15 | 19 53 | 15 12 | 1 8 |
| W18 | 23 32 | 10 34 | 5 0 | 24 53 | 1 22 | 14 2 | 2 58 | 13 26 | 0 52 | 23 27 | 0 9 | 20 9 | 1 37 | 19 41 | 0 39 | 5 10 | 1 21 | 4 16 | 16 15 | 21 26 | 21 14 | 19 53 | 15 13 | 1 9 |
| T 19 | 23 30 | 5 53 | 5 14 | 25 0 | 1 27 | 14 22 | 2 57 | 13 39 | 0 51 | 23 26 | 0 9 | 20 8 | 1 37 | 19 41 | 0 39 | 5 10 | 1 21 | 4 16 | 16 15 | 21 25 | 21 14 | 19 54 | 15 15 | 1 9 |
| F 20 | 23 28 | 1 6 | 5 10 | 25 5 | 1 32 | 14 41 | 2 56 | 13 51 | 0 51 | 23 26 | 0 9 | 20 8 | 1 37 | 19 42 | 0 39 | 5 10 | 1 21 | 4 16 | 16 14 | 21 25 | 21 13 | 19 55 | 15 16 | 1 9 |
| S 21 | 23 26 | 3n35 | 4 52 | 25 8 | 1 36 | 14 59 | 2 56 | 14 4 | 0 51 | 23 25 | 0 9 | 20 7 | 1 37 | 19 42 | 0 39 | 5 10 | 1 21 | 4 15 | 16 14 | 21 24 | 21 12 | 19 56 | 15 18 | 1 10 |
| S 22 | 23 23 | 8 1 | 4 20 | 25 10 | 1 40 | 15 18 | 2 55 | 14 17 | 0 50 | 23 24 | 0 9 | 20 7 | 1 37 | 19 43 | 0 39 | 5 10 | 1 21 | 4 15 | 16 14 | 21 24 | 21 12 | 19 57 | 15 19 | 1 10 |
| M23 | 23 19 | 12 2 | 3 38 | 25 11 | 1 44 | 15 36 | 2 54 | 14 29 | 0 50 | 23 23 | 0 10 | 20 6 | 1 36 | 19 43 | 0 39 | 5 10 | 1 21 | 4 15 | 16 13 | 21 24 | 21 11 | 19 57 | 15 21 | 1 10 |
| T 24 | 23 16 | 15 32 | 2 47 | 25 10 | 1 47 | 15 54 | 2 52 | 14 41 | 0 49 | 23 22 | 0 10 | 20 6 | 1 36 | 19 44 | 0 39 | 5 11 | 1 21 | 4 15 | 16 13 | 21 25 | 21 11 | 19 58 | 15 22 | 1 11 |
| W25 | 23 11 | 18 24 | 1 49 | 25 8 | 1 51 | 16 12 | 2 51 | 14 54 | 0 49 | 23 21 | 0 10 | 20 5 | 1 36 | 19 44 | 0 39 | 5 11 | 1 21 | 4 15 | 16 13 | 21 25 | 21 10 | 19 59 | 15 24 | 1 11 |
| T 26 | 23 7 | 20 28 | 0 46 | 25 4 | 1 54 | 16 30 | 2 50 | 15 6 | 0 48 | 23 20 | 0 10 | 20 5 | 1 36 | 19 45 | 0 39 | 5 11 | 1 21 | 4 14 | 16 12 | 21 25 | 21 9 | 20 0 | 15 25 | 1 11 |
| F 27 | 23 1 | 21 40 | 0s19 | 24 58 | 1 56 | 16 47 | 2 48 | 15 18 | 0 48 | 23 19 | 0 10 | 20 5 | 1 36 | 19 46 | 0 39 | 5 11 | 1 21 | 4 14 | 16 12 | 21 25 | 21 9 | 20 0 | 15 26 | 1 12 |
| S 28 | 22 56 | 21 54 | 1 23 | 24 51 | 1 59 | 17 4 | 2 46 | 15 30 | 0 47 | 23 18 | 0 10 | 20 4 | 1 35 | 19 46 | 0 39 | 5 11 | 1 21 | 4 14 | 16 12 | 21 25 | 21 8 | 20 1 | 15 27 | 1 12 |
| S 29 | 22 50 | 21 6 | 2 24 | 24 43 | 2 0 | 17 21 | 2 45 | 15 41 | 0 47 | 23 17 | 0 10 | 20 4 | 1 35 | 19 47 | 0 40 | 5 12 | 1 21 | 4 14 | 16 11 | 21 25 | 21 8 | 20 2 | 15 29 | 1 13 |
| M30 | 22 43 | 19 18 | 3 19 | 24 32 | 2 2 | 17 37 | 2 43 | 15 53 | 0 46 | 23 16 | 0 10 | 20 3 | 1 35 | 19 47 | 0 40 | 5 12 | 1 21 | 4 13 | 16 11 | 21 24 | 21 7 | 20 3 | 15 30 | 1 13 |
| T 31 | 22s36 | 16n35 | 4s 6 | 24s20 | 2s 3 | 17s53 | 2n41 | 16s 5 | 0n46 | 23s15 | 0s10 | 20n 3 | 1s35 | 19n48 | 0n40 | 5n12 | 1n21 | 4s13 | 16s11 | 21s23 | 21s 7 | 20n 3 | 15s31 | 1n13 |

Julian Day Number = 2129741.5, Delta T = 16m44s
Ecliptic obliquity = 23°33'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'25, Lahiri = 11°34'25 Julian Calendar 1 Dec. 1118 == Greg. Calendar 8 Dec. 1118


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## JANUARY 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 5 8 | 16♉55'15 | 11♌ 2 | 19♉58 | 2♐25 | 17♏ 0 | 11♉23 | 7°R 7 | 4°R44 | 20°R 3 | 28°R17 | 5°R41 | 4♐16 | 26♑ 1 | 16♏ 2 | W 1 |
| T 2 | 7 9 5 | 17°56'19 | 23°57 | 21°40 | 3°35 | 17°39 | 11°37 | 7♊ 4 | 4♌42 | 20♍ 3 | 28♈17 | 5♐33 | 4°13 | 26° 7 | 16° 8 | T 2 |
| F 3 | 7 13 2 | 18°57'22 | 7♍ 5 | 23°23 | 4°44 | 18°17 | 11°51 | 7° 1 | 4°39 | 20° 2 | 28°17 | 5°26 | 4°10 | 26°14 | 16°13 | F 3 |
| S 4 | 7 16 58 | 19°58'25 | 20°25 | 25° 6 | 5°53 | 18°56 | 12° 5 | 6°58 | 4°37 | 20° 2 | 28°17 | 5°21 | 4° 7 | 26°21 | 16°18 | S 4 |
| S 5 | 7 20 55 | 20°59'28 | 3♎58 | 26°49 | 7° 3 | 19°34 | 12°19 | 6°55 | 4°34 | 20° 1 | 28°17 | 5°17 | 4° 4 | 26°27 | 16°23 | S 5 |
| M 6 | 7 24 51 | 22° 0'29 | 17°43 | 28°33 | 8°12 | 20°13 | 12°33 | 6°52 | 4°32 | 20° 0 | 28°D17 | 5°D15 | 4° 1 | 26°34 | 16°28 | M 6 |
| T 7 | 7 28 48 | 23° 1'31 | 1♏41 | 0♒18 | 9°22 | 20°51 | 12°47 | 6°49 | 4°29 | 20° 0 | 28°17 | 5°16 | 3°57 | 26°41 | 16°33 | T 7 |
| W 8 | 7 32 44 | 24° 2'31 | 15°51 | 2° 2 | 10°32 | 21°29 | 13° 1 | 6°47 | 4°26 | 19°59 | 28°17 | 5°17 | 3°54 | 26°47 | 16°38 | W 8 |
| T 9 | 7 36 41 | 25° 3'32 | 0♐13 | 3°47 | 11°42 | 22° 8 | 13°15 | 6°44 | 4°24 | 19°58 | 28°17 | 5°R18 | 3°51 | 26°54 | 16°42 | T 9 |
| F 10 | 7 40 37 | 26° 4'31 | 14°43 | 5°32 | 12°52 | 22°46 | 13°29 | 6°42 | 4°21 | 19°57 | 28°17 | 5°17 | 3°48 | 27° 0 | 16°47 | F 10 |
| S 11 | 7 44 34 | 27° 5'30 | 29°18 | 7°18 | 14° 2 | 23°25 | 13°42 | 6°40 | 4°19 | 19°57 | 28°17 | 5°15 | 3°45 | 27° 7 | 16°51 | S 11 |
| S 12 | 7 48 31 | 28° 6'27 | 13♉52 | 9° 3 | 15°12 | 24° 3 | 13°56 | 6°37 | 4°16 | 19°56 | 28°18 | 5°10 | 3°41 | 27°14 | 16°56 | S 12 |
| M13 | 7 52 27 | 29° 7'24 | 28°19 | 10°47 | 16°23 | 24°41 | 14°10 | 6°35 | 4°14 | 19°55 | 28°18 | 5° 3 | 3°38 | 27°20 | 17° 0 | M13 |
| T 14 | 7 56 24 | 0♒ 8'19 | 12♒32 | 12°31 | 17°33 | 25°20 | 14°24 | 6°33 | 4°11 | 19°54 | 28°18 | 4°54 | 3°35 | 27°27 | 17° 4 | T 14 |
| W15 | 8 0 20 | 1° 9'14 | 26°26 | 14°15 | 18°44 | 25°58 | 14°38 | 6°32 | 4° 8 | 19°53 | 28°18 | 4°44 | 3°32 | 27°34 | 17° 9 | W15 |
| T 16 | 8 4 17 | 2°10'06 | 9♓56 | 15°57 | 19°54 | 26°36 | 14°52 | 6°30 | 4° 6 | 19°52 | 28°18 | 4°34 | 3°29 | 27°40 | 17°13 | T 16 |
| F 17 | 8 8 13 | 3°10'58 | 23° 2 | 17°38 | 21° 5 | 27°15 | 15° 5 | 6°28 | 4° 3 | 19°51 | 28°18 | 4°26 | 3°26 | 27°47 | 17°17 | F 17 |
| S 18 | 8 12 10 | 4°11'48 | 5♈44 | 19°17 | 22°16 | 27°53 | 15°19 | 6°27 | 4° 0 | 19°50 | 28°19 | 4°20 | 3°22 | 27°54 | 17°20 | S 18 |
| S 19 | 8 16 6 | 5°12'36 | 18° 6 | 20°54 | 23°27 | 28°31 | 15°33 | 6°25 | 3°58 | 19°49 | 28°19 | 4°16 | 3°19 | 28° 0 | 17°24 | S 19 |
| M20 | 8 20 3 | 6°13'23 | 0♉11 | 22°29 | 24°38 | 29°10 | 15°47 | 6°24 | 3°55 | 19°48 | 28°19 | 4°14 | 3°16 | 28° 7 | 17°28 | M20 |
| T 21 | 8 24 0 | 7°14'08 | 12° 5 | 24° 0 | 25°49 | 29°48 | 16° 0 | 6°23 | 3°53 | 19°47 | 28°20 | 4°D14 | 3°13 | 28°14 | 17°31 | T 21 |
| W22 | 8 27 56 | 8°14'51 | 23°53 | 25°27 | 27° 0 | 0♐26 | 16°14 | 6°22 | 3°50 | 19°46 | 28°20 | 4°15 | 3°10 | 28°20 | 17°35 | W22 |
| T 23 | 8 31 53 | 9°15'33 | 5♊41 | 26°50 | 28°11 | 1° 4 | 16°27 | 6°21 | 3°47 | 19°44 | 28°20 | 4°R15 | 3° 7 | 28°27 | 17°38 | T 23 |
| F 24 | 8 35 49 | 10°16'14 | 17°33 | 28° 8 | 29°22 | 1°43 | 16°41 | 6°20 | 3°45 | 19°43 | 28°21 | 4°14 | 3° 3 | 28°34 | 17°42 | F 24 |
| S 25 | 8 39 46 | 11°16'52 | 29°35 | 29°20 | 0♑34 | 2°21 | 16°54 | 6°19 | 3°42 | 19°42 | 28°21 | 4°11 | 3° 0 | 28°40 | 17°45 | S 25 |
| S 26 | 8 43 42 | 12°17'29 | 11♋50 | 0♓25 | 1°45 | 2°59 | 17° 8 | 6°18 | 3°39 | 19°41 | 28°22 | 4° 5 | 2°57 | 28°47 | 17°48 | S 26 |
| M27 | 8 47 39 | 13°18'04 | 24°20 | 1°23 | 2°56 | 3°37 | 17°21 | 6°18 | 3°37 | 19°40 | 28°22 | 3°57 | 2°54 | 28°53 | 17°51 | M27 |
| T 28 | 8 51 35 | 14°18'38 | 7♌ 7 | 2°14 | 4° 8 | 4°15 | 17°34 | 6°18 | 3°34 | 19°38 | 28°22 | 3°46 | 2°51 | 29° 0 | 17°54 | T 28 |
| W29 | 8 55 32 | 15°19'10 | 20°11 | 2°55 | 5°19 | 4°53 | 17°48 | 6°17 | 3°32 | 19°37 | 28°23 | 3°34 | 2°47 | 29° 7 | 17°56 | W29 |
| T 30 | 8 59 29 | 16°19'40 | 3♍30 | 3°28 | 6°31 | 5°32 | 18° 1 | 6°17 | 3°29 | 19°36 | 28°23 | 3°21 | 2°44 | 29°13 | 17°59 | T 30 |
| F 31 | 9 3 25 | 17♒20'09 | 17♍ 3 | 3♓50 | 7♑43 | 6♐10 | 18♑14 | 6°D17 | 3♌27 | 19♍34 | 28♈24 | 3♐10 | 2♐41 | 29♑20 | 18♏ 2 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22s29 | 13n 2 | 4s41 | 24s 6 | 2s 4 | 18s 9 | 2n39 | 16s16 | 0n45 | 23s14 | 0s10 | 20n 3 | 1s35 | 19n49 | 0n40 | 5n12 | 1n21 | 4s13 | 16s10 | 21s21 | 21s 6 | 20n 4 | 15s32 | 1n14 | W 1 |
| T 2 | 22 21 | 8 50 | 5 3 | 23 51 | 2 4 | 18 24 | 2 37 | 16 28 | 0 45 | 23 13 | 0 11 | 20 2 | 1 34 | 19 49 | 0 40 | 5 13 | 1 22 | 4 12 | 16 10 | 21 20 | 21 5 | 20 5 | 15 34 | 1 14 | T 2 |
| F 3 | 22 12 | 4 10 | 5 9 | 23 34 | 2 4 | 18 39 | 2 35 | 16 39 | 0 44 | 23 12 | 0 11 | 20 2 | 1 34 | 19 50 | 0 40 | 5 13 | 1 22 | 4 12 | 16 10 | 21 19 | 21 5 | 20 6 | 15 35 | 1 14 | F 3 |
| S 4 | 22 4 | 0s46 | 4 59 | 23 15 | 2 4 | 18 53 | 2 32 | 16 50 | 0 44 | 23 11 | 0 11 | 20 2 | 1 34 | 19 50 | 0 40 | 5 13 | 1 22 | 4 12 | 16 9 | 21 18 | 21 4 | 20 6 | 15 36 | 1 15 | S 4 |
| S 5 | 21 54 | 5 44 | 4 32 | 22 54 | 2 3 | 19 7 | 2 30 | 17 1 | 0 43 | 23 10 | 0 11 | 20 2 | 1 34 | 19 51 | 0 40 | 5 13 | 1 22 | 4 12 | 16 9 | 21 17 | 21 4 | 20 7 | 15 37 | 1 15 | S 5 |
| M 6 | 21 45 | 10 30 | 3 49 | 22 32 | 2 1 | 19 21 | 2 28 | 17 12 | 0 43 | 23 8 | 0 11 | 20 1 | 1 33 | 19 52 | 0 40 | 5 14 | 1 22 | 4 11 | 16 9 | 21 17 | 21 3 | 20 8 | 15 38 | 1 15 | M 6 |
| T 7 | 21 35 | 14 47 | 2 51 | 22 8 | 1 59 | 19 34 | 2 25 | 17 23 | 0 42 | 23 7 | 0 11 | 20 1 | 1 33 | 19 52 | 0 40 | 5 14 | 1 22 | 4 11 | 16 8 | 21 17 | 21 2 | 20 8 | 15 39 | 1 16 | T 7 |
| W 8 | 21 24 | 18 18 | 1 43 | 21 42 | 1 57 | 19 47 | 2 23 | 17 33 | 0 41 | 23 6 | 0 11 | 20 1 | 1 33 | 19 53 | 0 40 | 5 14 | 1 22 | 4 11 | 16 8 | 21 17 | 21 2 | 20 9 | 15 40 | 1 16 | W 8 |
| T 9 | 21 13 | 20 44 | 0 27 | 21 14 | 1 54 | 19 59 | 2 20 | 17 44 | 0 41 | 23 5 | 0 11 | 20 1 | 1 33 | 19 54 | 0 40 | 5 15 | 1 22 | 4 10 | 16 8 | 21 17 | 21 1 | 20 10 | 15 41 | 1 17 | T 9 |
| F 10 | 21 2 | 21 50 | 0n51 | 20 45 | 1 50 | 20 11 | 2 17 | 17 54 | 0 40 | 23 3 | 0 11 | 20 1 | 1 33 | 19 54 | 0 40 | 5 15 | 1 22 | 4 10 | 16 7 | 21 17 | 21 1 | 20 11 | 15 42 | 1 17 | F 10 |
| S 11 | 20 50 | 21 27 | 2 6 | 20 14 | 1 46 | 20 22 | 2 14 | 18 4 | 0 40 | 23 2 | 0 12 | 20 0 | 1 32 | 19 55 | 0 40 | 5 15 | 1 22 | 4 9 | 16 7 | 21 17 | 21 0 | 20 11 | 15 43 | 1 17 | S 11 |
| S 12 | 20 38 | 19 38 | 3 12 | 19 42 | 1 41 | 20 33 | 2 12 | 18 15 | 0 39 | 23 1 | 0 12 | 20 0 | 1 32 | 19 56 | 0 40 | 5 16 | 1 22 | 4 9 | 16 7 | 21 16 | 20 59 | 20 12 | 15 44 | 1 18 | S 12 |
| M13 | 20 26 | 16 35 | 4 6 | 19 8 | 1 35 | 20 43 | 2 9 | 18 25 | 0 38 | 22 59 | 0 12 | 20 0 | 1 32 | 19 56 | 0 40 | 5 16 | 1 22 | 4 9 | 16 6 | 21 14 | 20 59 | 20 13 | 15 45 | 1 18 | M13 |
| T 14 | 20 13 | 12 36 | 4 43 | 18 33 | 1 28 | 20 53 | 2 6 | 18 34 | 0 38 | 22 58 | 0 12 | 20 0 | 1 32 | 19 57 | 0 40 | 5 17 | 1 22 | 4 8 | 16 6 | 21 13 | 20 58 | 20 13 | 15 45 | 1 19 | T 14 |
| W15 | 20 0 | 8 2 | 5 2 | 17 56 | 1 21 | 21 2 | 2 3 | 18 44 | 0 37 | 22 57 | 0 12 | 20 0 | 1 31 | 19 57 | 0 40 | 5 17 | 1 22 | 4 8 | 16 5 | 21 11 | 20 58 | 20 14 | 15 46 | 1 19 | W15 |
| T 16 | 19 46 | 3 11 | 5 4 | 17 18 | 1 13 | 21 11 | 2 0 | 18 54 | 0 37 | 22 55 | 0 12 | 20 0 | 1 31 | 19 58 | 0 40 | 5 17 | 1 22 | 4 8 | 16 5 | 21 9 | 20 57 | 20 15 | 15 47 | 1 19 | T 16 |
| F 17 | 19 32 | 1n39 | 4 50 | 16 39 | 1 5 | 21 19 | 1 56 | 19 3 | 0 36 | 22 54 | 0 12 | 20 0 | 1 31 | 19 59 | 0 40 | 5 18 | 1 22 | 4 7 | 16 5 | 21 8 | 20 56 | 20 15 | 15 48 | 1 20 | F 17 |
| S 18 | 19 18 | 6 17 | 4 21 | 15 59 | 0 55 | 21 26 | 1 53 | 19 13 | 0 35 | 22 52 | 0 12 | 20 0 | 1 31 | 19 59 | 0 40 | 5 18 | 1 22 | 4 7 | 16 4 | 21 7 | 20 56 | 20 16 | 15 48 | 1 20 | S 18 |
| S 19 | 19 3 | 10 32 | 3 41 | 15 18 | 0 45 | 21 33 | 1 50 | 19 22 | 0 35 | 22 51 | 0 12 | 20 0 | 1 30 | 20 0 | 0 40 | 5 19 | 1 22 | 4 6 | 16 4 | 21 6 | 20 55 | 20 16 | 15 49 | 1 21 | S 19 |
| M20 | 18 48 | 14 16 | 2 52 | 14 37 | 0 34 | 21 40 | 1 47 | 19 31 | 0 34 | 22 49 | 0 12 | 20 0 | 1 30 | 20 1 | 0 40 | 5 19 | 1 22 | 4 6 | 16 4 | 21 5 | 20 55 | 20 17 | 15 50 | 1 21 | M20 |
| T 21 | 18 33 | 17 22 | 1 56 | 13 56 | 0 22 | 21 46 | 1 44 | 19 40 | 0 33 | 22 48 | 0 13 | 20 0 | 1 30 | 20 1 | 0 40 | 5 20 | 1 22 | 4 5 | 16 3 | 21 5 | 20 54 | 20 18 | 15 50 | 1 21 | T 21 |
| W22 | 18 17 | 19 43 | 0 55 | 13 15 | 0 10 | 21 51 | 1 40 | 19 48 | 0 33 | 22 46 | 0 13 | 20 0 | 1 30 | 20 2 | 0 40 | 5 20 | 1 22 | 4 5 | 16 3 | 21 6 | 20 53 | 20 18 | 15 51 | 1 22 | W22 |
| T 23 | 18 1 | 21 14 | 0s 8 | 12 34 | 0n 3 | 21 55 | 1 37 | 19 57 | 0 32 | 22 45 | 0 13 | 20 0 | 1 29 | 20 2 | 0 40 | 5 21 | 1 23 | 4 5 | 16 3 | 21 6 | 20 53 | 20 19 | 15 52 | 1 22 | T 23 |
| F 24 | 17 45 | 21 48 | 1 10 | 11 54 | 0 17 | 22 0 | 1 34 | 20 6 | 0 31 | 22 43 | 0 13 | 20 0 | 1 29 | 20 3 | 0 40 | 5 21 | 1 23 | 4 4 | 16 2 | 21 5 | 20 52 | 20 20 | 15 52 | 1 23 | F 24 |
| S 25 | 17 28 | 21 22 | 2 11 | 11 16 | 0 32 | 22 3 | 1 30 | 20 14 | 0 30 | 22 42 | 0 13 | 20 0 | 1 29 | 20 4 | 0 40 | 5 22 | 1 23 | 4 4 | 16 2 | 21 5 | 20 51 | 20 20 | 15 53 | 1 23 | S 25 |
| S 26 | 17 12 | 19 56 | 3 6 | 10 39 | 0 47 | 22 6 | 1 27 | 20 22 | 0 30 | 22 40 | 0 13 | 20 0 | 1 29 | 20 4 | 0 40 | 5 22 | 1 23 | 4 3 | 16 2 | 21 4 | 20 51 | 20 21 | 15 53 | 1 23 | S 26 |
| M27 | 16 54 | 17 31 | 3 53 | 10 3 | 1 3 | 22 8 | 1 23 | 20 30 | 0 29 | 22 38 | 0 13 | 20 1 | 1 28 | 20 5 | 0 40 | 5 23 | 1 23 | 4 3 | 16 1 | 21 2 | 20 50 | 20 21 | 15 53 | 1 24 | M27 |
| T 28 | 16 37 | 14 13 | 4 30 | 9 31 | 1 18 | 22 10 | 1 20 | 20 38 | 0 28 | 22 37 | 0 13 | 20 1 | 1 28 | 20 6 | 0 40 | 5 23 | 1 23 | 4 2 | 16 1 | 21 0 | 20 50 | 20 22 | 15 54 | 1 24 | T 28 |
| W29 | 16 19 | 10 11 | 4 54 | 9 1 | 1 34 | 22 11 | 1 16 | 20 46 | 0 27 | 22 35 | 0 14 | 20 1 | 1 28 | 20 6 | 0 40 | 5 24 | 1 23 | 4 2 | 16 1 | 20 58 | 20 49 | 20 23 | 15 54 | 1 25 | W29 |
| T 30 | 16 1 | 5 35 | 5 2 | 8 34 | 1 51 | 22 11 | 1 13 | 20 53 | 0 27 | 22 34 | 0 14 | 20 1 | 1 28 | 20 7 | 0 40 | 5 24 | 1 23 | 4 1 | 16 0 | 20 55 | 20 48 | 20 23 | 15 55 | 1 25 | T 30 |
| F 31 | 15s43 | 0n39 | 4s53 | 8s11 | 2n 6 | 22s11 | 1n 9 | 21s 1 | 0n26 | 22s32 | 0s14 | 20n 1 | 1s28 | 20n 7 | 0n40 | 5n25 | 1n23 | 4s 1 | 16s 0 | 20s53 | 20s48 | 20n24 | 15s55 | 1n25 | F 31 |

Julian Day Number = 2129772.5, Delta T = 16m44s
Ecliptic obliquity = 23°33'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'29, Lahiri = 11°34'29 Julian Calendar 1 Jan. 1119 == Greg. Calendar 8 Jan. 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## FEBRUARY 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 7 22 | 18♒20'36 | 0♎45 | 4♓ 3 | 8♑54 | 6♐48 | 18♑27 | 6♊17 | 3°R24 | 19°R33 | 28°♈25 | 3°R 0 | 2♐38 | 29♉27 | 18♏ 4 | S 1 |
| S 2 | 9 11 18 | 19°21'02 | 14°36 | 4°R 6 | 10° 6 | 7°26 | 18°41 | 6°17 | 3♌22 | 19♍32 | 28°25 | 2♐53 | 2°35 | 29°33 | 18° 6 | S 2 |
| M 3 | 9 15 15 | 20°21'26 | 28°32 | 3°59 | 11°18 | 8° 4 | 18°54 | 6°18 | 3°19 | 19°30 | 28°26 | 2°49 | 2°32 | 29°40 | 18° 9 | M 3 |
| T 4 | 9 19 11 | 21°21'49 | 12♏33 | 3°41 | 12°30 | 8°42 | 19° 7 | 6°18 | 3°17 | 19°29 | 28°26 | 2°48 | 2°28 | 29°47 | 18°11 | T 4 |
| W 5 | 9 23 8 | 22°22'11 | 26°37 | 3°15 | 13°42 | 9°20 | 19°20 | 6°18 | 3°14 | 19°27 | 28°27 | 2°47 | 2°25 | 29°53 | 18°13 | W 5 |
| T 6 | 9 27 4 | 23°22'31 | 10♐44 | 2°39 | 14°54 | 9°58 | 19°32 | 6°19 | 3°12 | 19°26 | 28°28 | 2°47 | 2°22 | 29°59 | 18°15 | T 6 |
| F 7 | 9 31 1 | 24°22'50 | 24°53 | 1°56 | 16° 6 | 10°36 | 19°45 | 6°20 | 3° 9 | 19°25 | 28°28 | 2°46 | 2°19 | 0♊ 7 | 18°16 | F 7 |
| S 8 | 9 34 58 | 25°23'07 | 9♑ 2 | 1° 6 | 17°18 | 11°14 | 19°58 | 6°21 | 3° 7 | 19°23 | 28°29 | 2°42 | 2°16 | 0°13 | 18°18 | S 8 |
| S 9 | 9 38 54 | 26°23'23 | 23° 8 | 0°11 | 18°30 | 11°52 | 20°11 | 6°22 | 3° 5 | 19°22 | 28°30 | 2°36 | 2°13 | 0°20 | 18°20 | S 9 |
| M10 | 9 42 51 | 27°23'37 | 7♒ 9 | 29♒11 | 19°42 | 12°30 | 20°23 | 6°23 | 3° 2 | 19°20 | 28°30 | 2°26 | 2° 9 | 0°26 | 18°21 | M10 |
| T 11 | 9 46 47 | 28°23'49 | 20°59 | 28°10 | 20°54 | 13° 8 | 20°36 | 6°24 | 3° 0 | 19°19 | 28°31 | 2°14 | 2° 6 | 0°33 | 18°23 | T 11 |
| W12 | 9 50 44 | 29°24'00 | 4♓36 | 27° 7 | 22° 7 | 13°46 | 20°49 | 6°25 | 2°58 | 19°17 | 28°32 | 2° 1 | 2° 3 | 0°40 | 18°24 | W12 |
| T 13 | 9 54 40 | 0♓24'08 | 17°54 | 26° 5 | 23°19 | 14°23 | 21° 1 | 6°27 | 2°56 | 19°16 | 28°33 | 1°48 | 2° 0 | 0°46 | 18°25 | T 13 |
| F 14 | 9 58 37 | 1°24'14 | 0♈53 | 25° 4 | 24°31 | 15° 1 | 21°13 | 6°28 | 2°53 | 19°14 | 28°34 | 1°36 | 1°57 | 0°53 | 18°26 | F 14 |
| S 15 | 10 2 33 | 2°24'19 | 13°32 | 24° 7 | 25°44 | 15°39 | 21°26 | 6°30 | 2°51 | 19°12 | 28°34 | 1°27 | 1°53 | 1° 0 | 18°27 | S 15 |
| S 16 | 10 6 30 | 3°24'21 | 25°53 | 23°14 | 26°56 | 16°17 | 21°38 | 6°31 | 2°49 | 19°11 | 28°35 | 1°20 | 1°50 | 1° 6 | 18°28 | S 16 |
| M17 | 10 10 26 | 4°24'21 | 7♉58 | 22°26 | 28° 8 | 16°54 | 21°50 | 6°33 | 2°47 | 19° 9 | 28°36 | 1°16 | 1°47 | 1°13 | 18°28 | M17 |
| T 18 | 10 14 23 | 5°24'19 | 19°53 | 21°44 | 29°21 | 17°32 | 22° 2 | 6°35 | 2°45 | 19° 8 | 28°37 | 1°15 | 1°44 | 1°20 | 18°29 | T 18 |
| W19 | 10 18 20 | 6°24'14 | 1♊41 | 21° 8 | 0♒33 | 18°10 | 22°14 | 6°37 | 2°43 | 19° 6 | 28°38 | 1°14 | 1°41 | 1°26 | 18°30 | W19 |
| T 20 | 10 22 16 | 7°24'08 | 13°29 | 20°38 | 1°46 | 18°47 | 22°26 | 6°40 | 2°41 | 19° 4 | 28°39 | 1°14 | 1°38 | 1°33 | 18°30 | T 20 |
| F 21 | 10 26 13 | 8°23'59 | 25°22 | 20°15 | 2°58 | 19°25 | 22°38 | 6°42 | 2°39 | 19° 3 | 28°40 | 1°13 | 1°34 | 1°40 | 18°30 | F 21 |
| S 22 | 10 30 9 | 9°23'48 | 7♋26 | 19°58 | 4°10 | 20° 2 | 22°50 | 6°44 | 2°37 | 19° 1 | 28°41 | 1°11 | 1°31 | 1°46 | 18°30 | S 22 |
| S 23 | 10 34 6 | 10°23'35 | 19°45 | 19°48 | 5°23 | 20°40 | 23° 2 | 6°47 | 2°35 | 19° 0 | 28°41 | 1° 5 | 1°28 | 1°53 | 18°R30 | S 23 |
| M24 | 10 38 2 | 11°23'19 | 2♌23 | 19°D44 | 6°36 | 21°17 | 23°13 | 6°49 | 2°33 | 18°58 | 28°42 | 0°57 | 1°25 | 1°59 | 18°30 | M24 |
| T 25 | 10 41 59 | 12°23'01 | 15°22 | 19°46 | 7°48 | 21°55 | 23°25 | 6°52 | 2°31 | 18°56 | 28°43 | 0°47 | 1°22 | 2° 6 | 18°30 | T 25 |
| W26 | 10 45 55 | 13°22'41 | 28°42 | 19°54 | 9° 1 | 22°32 | 23°36 | 6°55 | 2°29 | 18°55 | 28°44 | 0°35 | 1°18 | 2°13 | 18°30 | W26 |
| T 27 | 10 49 52 | 14°22'19 | 12♍23 | 20° 8 | 10°13 | 23° 9 | 23°48 | 6°58 | 2°27 | 18°53 | 28°45 | 0°23 | 1°15 | 2°19 | 18°30 | T 27 |
| F 28 | 10 53 49 | 15♓21'55 | 26♍21 | 20♒27 | 11♒26 | 23♐47 | 23♑59 | 7♊ 1 | 2♌26 | 18♍51 | 28°♈46 | 0♐11 | 1♐12 | 2♊26 | 18♏29 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s24 | 4s23 | 4s27 | 7s52 | 2n22 | 22s10 | 1n 6 | 21s 8 | 0n25 | 22s30 | 0s14 | 20n 2 | 1s27 | 20n 8 | 0n40 | 5n25 | 1n23 | 4s 0 | 16s 0 | 20s51 | 20s47 | 20n24 | 15s55 | 1n26 |
| S 2 | 15 5 | 9 15 | 3 46 | 7 37 | 2 37 | 22 8 | 1 2 | 21 15 | 0 24 | 22 28 | 0 14 | 20 2 | 1 27 | 20 8 | 0 40 | 5 26 | 1 23 | 4 0 | 15 59 | 20 50 | 20 46 | 20 25 | 15 55 | 1 26 |
| M 3 | 14 46 | 13 40 | 2 51 | 7 27 | 2 51 | 22 6 | 0 59 | 21 22 | 0 23 | 22 27 | 0 14 | 20 2 | 1 27 | 20 9 | 0 40 | 5 27 | 1 23 | 3 59 | 15 59 | 20 49 | 20 46 | 20 26 | 15 56 | 1 27 |
| T 4 | 14 27 | 17 21 | 1 45 | 7 21 | 3 4 | 22 3 | 0 55 | 21 29 | 0 22 | 22 25 | 0 14 | 20 2 | 1 27 | 20 10 | 0 40 | 5 27 | 1 23 | 3 59 | 15 59 | 20 49 | 20 45 | 20 26 | 15 56 | 1 27 |
| W 5 | 14 7 | 20 1 | 0 33 | 7 20 | 3 15 | 21 59 | 0 51 | 21 36 | 0 22 | 22 23 | 0 14 | 20 3 | 1 26 | 20 10 | 0 40 | 5 28 | 1 23 | 3 58 | 15 58 | 20 49 | 20 45 | 20 27 | 15 56 | 1 28 |
| T 6 | 13 47 | 21 28 | 0n42 | 7 23 | 3 25 | 21 55 | 0 48 | 21 42 | 0 21 | 22 22 | 0 14 | 20 3 | 1 26 | 20 11 | 0 40 | 5 28 | 1 23 | 3 58 | 15 58 | 20 49 | 20 44 | 20 27 | 15 56 | 1 28 |
| F 7 | 13 27 | 21 33 | 1 54 | 7 31 | 3 33 | 21 51 | 0 44 | 21 49 | 0 20 | 22 20 | 0 15 | 20 4 | 1 26 | 20 11 | 0 40 | 5 29 | 1 23 | 3 57 | 15 58 | 20 49 | 20 43 | 20 28 | 15 56 | 1 28 |
| S 8 | 13 7 | 20 16 | 2 59 | 7 43 | 3 40 | 21 45 | 0 41 | 21 55 | 0 19 | 22 18 | 0 15 | 20 4 | 1 26 | 20 12 | 0 40 | 5 30 | 1 23 | 3 57 | 15 57 | 20 48 | 20 43 | 20 28 | 15 56 | 1 29 |
| S 9 | 12 47 | 17 44 | 3 53 | 7 58 | 3 44 | 21 39 | 0 37 | 22 1 | 0 18 | 22 16 | 0 15 | 20 4 | 1 25 | 20 12 | 0 40 | 5 30 | 1 23 | 3 56 | 15 57 | 20 47 | 20 42 | 20 29 | 15 56 | 1 29 |
| M10 | 12 26 | 14 11 | 4 32 | 8 17 | 3 46 | 21 32 | 0 34 | 22 7 | 0 17 | 22 15 | 0 15 | 20 5 | 1 25 | 20 13 | 0 40 | 5 31 | 1 23 | 3 56 | 15 57 | 20 45 | 20 41 | 20 29 | 15 56 | 1 30 |
| T 11 | 12 5 | 9 55 | 4 55 | 8 38 | 3 46 | 21 25 | 0 30 | 22 13 | 0 16 | 22 13 | 0 15 | 20 5 | 1 25 | 20 13 | 0 40 | 5 31 | 1 23 | 3 55 | 15 56 | 20 42 | 20 41 | 20 30 | 15 56 | 1 30 |
| W12 | 11 44 | 5 13 | 5 0 | 9 2 | 3 43 | 21 17 | 0 27 | 22 18 | 0 15 | 22 11 | 0 15 | 20 6 | 1 25 | 20 14 | 0 40 | 5 32 | 1 23 | 3 55 | 15 56 | 20 40 | 20 40 | 20 30 | 15 56 | 1 31 |
| T 13 | 11 23 | 0 23 | 4 49 | 9 27 | 3 39 | 21 9 | 0 23 | 22 24 | 0 14 | 22 9 | 0 15 | 20 6 | 1 24 | 20 14 | 0 40 | 5 33 | 1 23 | 3 54 | 15 56 | 20 37 | 20 40 | 20 31 | 15 56 | 1 31 |
| F 14 | 11 2 | 4n22 | 4 23 | 9 53 | 3 33 | 21 0 | 0 20 | 22 29 | 0 13 | 22 7 | 0 15 | 20 7 | 1 24 | 20 15 | 0 40 | 5 33 | 1 23 | 3 53 | 15 56 | 20 35 | 20 39 | 20 32 | 15 56 | 1 31 |
| S 15 | 10 40 | 8 48 | 3 44 | 10 19 | 3 25 | 20 50 | 0 16 | 22 34 | 0 12 | 22 6 | 0 16 | 20 7 | 1 24 | 20 15 | 0 40 | 5 34 | 1 23 | 3 53 | 15 55 | 20 33 | 20 38 | 20 32 | 15 56 | 1 32 |
| S 16 | 10 18 | 12 46 | 2 56 | 10 46 | 3 15 | 20 39 | 0 13 | 22 39 | 0 11 | 22 4 | 0 16 | 20 8 | 1 24 | 20 16 | 0 40 | 5 35 | 1 23 | 3 52 | 15 55 | 20 32 | 20 38 | 20 33 | 15 55 | 1 32 |
| M17 | 9 56 | 16 7 | 2 0 | 11 12 | 3 4 | 20 28 | 0 10 | 22 44 | 0 10 | 22 2 | 0 16 | 20 8 | 1 23 | 20 16 | 0 40 | 5 35 | 1 23 | 3 52 | 15 55 | 20 31 | 20 37 | 20 33 | 15 55 | 1 33 |
| T 18 | 9 34 | 18 45 | 1 0 | 11 36 | 2 52 | 20 17 | 0 6 | 22 49 | 0 9 | 22 0 | 0 16 | 20 9 | 1 23 | 20 17 | 0 40 | 5 36 | 1 23 | 3 51 | 15 54 | 20 30 | 20 36 | 20 34 | 15 55 | 1 33 |
| W19 | 9 12 | 20 33 | 0s 2 | 12 0 | 2 40 | 20 5 | 0 3 | 22 53 | 0 8 | 21 58 | 0 16 | 20 9 | 1 23 | 20 17 | 0 40 | 5 37 | 1 23 | 3 51 | 15 54 | 20 30 | 20 36 | 20 34 | 15 55 | 1 34 |
| T 20 | 8 50 | 21 28 | 1 5 | 12 22 | 2 26 | 19 52 | 0s 0 | 22 57 | 0 7 | 21 57 | 0 16 | 20 10 | 1 23 | 20 18 | 0 40 | 5 37 | 1 23 | 3 50 | 15 54 | 20 30 | 20 35 | 20 35 | 15 54 | 1 34 |
| F 21 | 8 28 | 21 24 | 2 4 | 12 43 | 2 12 | 19 39 | 0 4 | 23 2 | 0 6 | 21 55 | 0 16 | 20 11 | 1 22 | 20 18 | 0 40 | 5 38 | 1 23 | 3 49 | 15 54 | 20 30 | 20 34 | 20 35 | 15 54 | 1 35 |
| S 22 | 8 5 | 20 21 | 2 59 | 13 2 | 1 58 | 19 25 | 0 7 | 23 6 | 0 5 | 21 53 | 0 17 | 20 11 | 1 22 | 20 19 | 0 40 | 5 39 | 1 23 | 3 49 | 15 53 | 20 30 | 20 34 | 20 35 | 15 54 | 1 35 |
| S 23 | 7 42 | 18 21 | 3 47 | 13 18 | 1 44 | 19 10 | 0 10 | 23 9 | 0 4 | 21 51 | 0 17 | 20 12 | 1 22 | 20 19 | 0 40 | 5 39 | 1 23 | 3 48 | 15 53 | 20 28 | 20 33 | 20 36 | 15 53 | 1 35 |
| M24 | 7 20 | 15 25 | 4 25 | 13 33 | 1 29 | 18 55 | 0 13 | 23 13 | 0 3 | 21 49 | 0 17 | 20 13 | 1 22 | 20 20 | 0 40 | 5 40 | 1 23 | 3 48 | 15 53 | 20 27 | 20 32 | 20 36 | 15 53 | 1 36 |
| T 25 | 6 57 | 11 41 | 4 51 | 13 46 | 1 15 | 18 40 | 0 16 | 23 17 | 0 2 | 21 47 | 0 17 | 20 13 | 1 21 | 20 20 | 0 40 | 5 41 | 1 23 | 3 47 | 15 53 | 20 25 | 20 32 | 20 37 | 15 52 | 1 36 |
| W26 | 6 34 | 7 16 | 5 1 | 13 57 | 1 1 | 18 24 | 0 19 | 23 20 | 0 1 | 21 46 | 0 17 | 20 14 | 1 21 | 20 20 | 0 40 | 5 41 | 1 23 | 3 47 | 15 52 | 20 22 | 20 31 | 20 37 | 15 52 | 1 37 |
| T 27 | 6 11 | 2 24 | 4 55 | 14 6 | 0 47 | 18 7 | 0 22 | 23 23 | 0s 1 | 21 44 | 0 17 | 20 15 | 1 21 | 20 21 | 0 40 | 5 42 | 1 23 | 3 46 | 15 52 | 20 20 | 20 31 | 20 38 | 15 51 | 1 37 |
| F 28 | 5s48 | 2s41 | 4s31 | 14s13 | 0n34 | 17s50 | 0s25 | 23s26 | 0s 2 | 21s42 | 0s17 | 20n15 | 1s21 | 20n21 | 0n39 | 5n43 | 1n23 | 3s45 | 15s52 | 20s17 | 20s30 | 20n38 | 15s51 | 1n38 |

Julian Day Number = 2129803.5, Delta T = 16m43s
Ecliptic obliquity = 23°33'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'33, Lahiri = 11°34'33 Julian Calendar 1 Feb. 1119 == Greg. Calendar 8 Feb. 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## MARCH 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 57 45 | 16♓21'28 | 10♎30 | 20♒51 | 12♒39 | 24♐24 | 24♑10 | 7♊ 4 | 2°R24 | 18°R50 | 28♈47 | 0°R 2 | 1♐ 9 | 2♊33 | 18°R29 | S 1 |
| S 2 | 11 1 42 | 17°21'00 | 24°47 | 21°19 | 13°51 | 25° 1 | 24°21 | 7° 7 | 2♌22 | 18♍48 | 28°49 | 29♏55 | 1° 6 | 2°39 | 18♏28 | S 2 |
| M 3 | 11 5 38 | 18°20'30 | 9♏ 6 | 21°53 | 15° 4 | 25°38 | 24°32 | 7°10 | 2°21 | 18°46 | 28°50 | 29°51 | 1° 3 | 2°46 | 18°27 | M 3 |
| T 4 | 11 9 35 | 19°19'58 | 23°23 | 22°30 | 16°17 | 26°15 | 24°43 | 7°14 | 2°19 | 18°45 | 28°51 | 29°49 | 0°59 | 2°53 | 18°26 | T 4 |
| W 5 | 11 13 31 | 20°19'25 | 7♐35 | 23°11 | 17°29 | 26°52 | 24°54 | 7°17 | 2°18 | 18°43 | 28°52 | 29°D49 | 0°56 | 2°59 | 18°25 | W 5 |
| T 6 | 11 17 28 | 21°18'49 | 21°42 | 23°56 | 18°42 | 27°29 | 25° 5 | 7°21 | 2°16 | 18°41 | 28°53 | 29°R50 | 0°53 | 3° 6 | 18°24 | T 6 |
| F 7 | 11 21 24 | 22°18'12 | 5♑42 | 24°45 | 19°55 | 28° 6 | 25°15 | 7°25 | 2°15 | 18°40 | 28°54 | 29°49 | 0°50 | 3°13 | 18°23 | F 7 |
| S 8 | 11 25 21 | 23°17'33 | 19°34 | 25°37 | 21° 8 | 28°43 | 25°26 | 7°28 | 2°13 | 18°38 | 28°55 | 29°46 | 0°47 | 3°19 | 18°22 | S 8 |
| S 9 | 11 29 18 | 24°16'53 | 3♒18 | 26°31 | 22°21 | 29°20 | 25°36 | 7°32 | 2°12 | 18°36 | 28°56 | 29°41 | 0°44 | 3°26 | 18°20 | S 9 |
| M10 | 11 33 14 | 25°16'10 | 16°53 | 27°29 | 23°33 | 29°57 | 25°47 | 7°36 | 2°11 | 18°35 | 28°57 | 29°33 | 0°40 | 3°33 | 18°19 | M10 |
| T 11 | 11 37 11 | 26°15'25 | 0♓18 | 28°30 | 24°46 | 0♑34 | 25°57 | 7°40 | 2°10 | 18°33 | 28°59 | 29°23 | 0°37 | 3°39 | 18°17 | T 11 |
| W12 | 11 41 7 | 27°14'39 | 13°29 | 29°33 | 25°59 | 1°11 | 26° 7 | 7°44 | 2° 8 | 18°31 | 29° 0 | 29°12 | 0°34 | 3°46 | 18°15 | W12 |
| T 13 | 11 45 4 | 28°13'50 | 26°27 | 0♓39 | 27°12 | 1°47 | 26°17 | 7°49 | 2° 7 | 18°30 | 29° 1 | 29° 1 | 0°31 | 3°52 | 18°14 | T 13 |
| F 14 | 11 49 0 | 29°12'59 | 9♈10 | 1°47 | 28°25 | 2°24 | 26°27 | 7°53 | 2° 6 | 18°28 | 29° 2 | 28°51 | 0°28 | 3°59 | 18°12 | F 14 |
| S 15 | 11 52 57 | 0♈12'06 | 21°38 | 2°57 | 29°38 | 3° 0 | 26°37 | 7°57 | 2° 5 | 18°27 | 29° 3 | 28°43 | 0°24 | 4° 6 | 18°10 | S 15 |
| S 16 | 11 56 53 | 1°11'11 | 3♉52 | 4°10 | 0♓51 | 3°37 | 26°46 | 8° 2 | 2° 4 | 18°25 | 29° 5 | 28°38 | 0°21 | 4°12 | 18° 8 | S 16 |
| M17 | 12 0 50 | 2°10'14 | 15°54 | 5°25 | 2° 4 | 4°13 | 26°56 | 8° 7 | 2° 3 | 18°23 | 29° 6 | 28°35 | 0°18 | 4°19 | 18° 5 | M17 |
| T 18 | 12 4 46 | 3° 9'14 | 27°47 | 6°41 | 3°17 | 4°50 | 27° 5 | 8°11 | 2° 2 | 18°22 | 29° 7 | 28°D34 | 0°15 | 4°26 | 18° 3 | T 18 |
| W19 | 12 8 43 | 4° 8'13 | 9♊35 | 8° 0 | 4°29 | 5°26 | 27°15 | 8°16 | 2° 2 | 18°20 | 29° 8 | 28°34 | 0°12 | 4°32 | 18° 1 | W19 |
| T 20 | 12 12 40 | 5° 7'09 | 21°22 | 9°21 | 5°42 | 6° 2 | 27°24 | 8°21 | 2° 1 | 18°19 | 29°10 | 28°35 | 0° 9 | 4°39 | 17°58 | T 20 |
| F 21 | 12 16 36 | 6° 6'02 | 3♋15 | 10°43 | 6°55 | 6°38 | 27°33 | 8°26 | 2° 0 | 18°17 | 29°11 | 28°R36 | 0° 5 | 4°46 | 17°56 | F 21 |
| S 22 | 12 20 33 | 7° 4'54 | 15°19 | 12° 7 | 8° 8 | 7°14 | 27°42 | 8°31 | 1°59 | 18°15 | 29°12 | 28°36 | 0° 2 | 4°52 | 17°53 | S 22 |
| S 23 | 12 24 29 | 8° 3'43 | 27°38 | 13°33 | 9°21 | 7°50 | 27°51 | 8°36 | 1°59 | 18°14 | 29°13 | 28°34 | 29♏59 | 4°59 | 17°50 | S 23 |
| M24 | 12 28 26 | 9° 2'29 | 10♌16 | 15° 1 | 10°34 | 8°26 | 27°59 | 8°41 | 1°58 | 18°12 | 29°15 | 28°30 | 29°56 | 5° 6 | 17°48 | M24 |
| T 25 | 12 32 22 | 10° 1'14 | 23°19 | 16°30 | 11°47 | 9° 2 | 28° 8 | 8°46 | 1°58 | 18°11 | 29°16 | 28°24 | 29°53 | 5°12 | 17°45 | T 25 |
| W26 | 12 36 19 | 10°59'56 | 6♍47 | 18° 2 | 13° 0 | 9°38 | 28°16 | 8°51 | 1°57 | 18° 9 | 29°17 | 28°17 | 29°49 | 5°19 | 17°42 | W26 |
| T 27 | 12 40 15 | 11°58'36 | 20°39 | 19°34 | 14°13 | 10°13 | 28°25 | 8°57 | 1°57 | 18° 8 | 29°19 | 28° 9 | 29°46 | 5°25 | 17°39 | T 27 |
| F 28 | 12 44 12 | 12°57'13 | 4♎53 | 21° 9 | 15°26 | 10°49 | 28°33 | 9° 2 | 1°56 | 18° 6 | 29°20 | 28° 2 | 29°43 | 5°32 | 17°36 | F 28 |
| S 29 | 12 48 9 | 13°55'49 | 19°25 | 22°45 | 16°39 | 11°24 | 28°41 | 9° 8 | 1°56 | 18° 5 | 29°21 | 27°56 | 29°40 | 5°39 | 17°32 | S 29 |
| S 30 | 12 52 5 | 14°54'23 | 4♏ 6 | 24°23 | 17°52 | 12° 0 | 28°49 | 9°13 | 1°56 | 18° 3 | 29°23 | 27°52 | 29°37 | 5°45 | 17°29 | S 30 |
| M31 | 12 56 2 | 15♈52'55 | 18♏51 | 26♓ 2 | 19♓ 5 | 12♑35 | 28♑56 | 9♊19 | 1♌56 | 18♍ 2 | 29♈24 | 27♏50 | 29♏34 | 5♊52 | 17♏26 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s24 | 7s42 | 3s50 | 14s17 | 0n20 | 17s33 | 0s28 | 23s29 | 0s 3 | 21s40 | 0s18 | 20n16 | 1s21 | 20n21 | 0n39 | 5n43 | 1n23 | 3s45 | 15s52 | 20s15 | 20s29 | 20n39 | 15s50 | 1n38 |
| S 2 | 5 1 | 12 21 | 2 55 | 14 20 | 0 8 | 17 15 | 0 31 | 23 32 | 0 4 | 21 38 | 0 18 | 20 17 | 1 20 | 20 22 | 0 39 | 5 44 | 1 23 | 3 44 | 15 51 | 20 14 | 20 29 | 20 39 | 15 50 | 1 38 |
| M 3 | 4 38 | 16 18 | 1 48 | 14 21 | 0s 5 | 16 56 | 0 34 | 23 34 | 0 5 | 21 36 | 0 18 | 20 18 | 1 20 | 20 22 | 0 39 | 5 44 | 1 24 | 3 44 | 15 51 | 20 13 | 20 28 | 20 40 | 15 49 | 1 39 |
| T 4 | 4 15 | 19 15 | 0 34 | 14 20 | 0 16 | 16 37 | 0 37 | 23 37 | 0 7 | 21 35 | 0 18 | 20 18 | 1 20 | 20 23 | 0 39 | 5 45 | 1 24 | 3 43 | 15 51 | 20 13 | 20 27 | 20 40 | 15 48 | 1 39 |
| W 5 | 3 51 | 21 0 | 0n41 | 14 17 | 0 28 | 16 17 | 0 39 | 23 39 | 0 8 | 21 33 | 0 18 | 20 19 | 1 20 | 20 23 | 0 39 | 5 46 | 1 24 | 3 43 | 15 51 | 20 13 | 20 27 | 20 40 | 15 48 | 1 40 |
| T 6 | 3 28 | 21 24 | 1 54 | 14 13 | 0 39 | 15 57 | 0 42 | 23 41 | 0 9 | 21 31 | 0 18 | 20 20 | 1 19 | 20 23 | 0 39 | 5 46 | 1 24 | 3 42 | 15 50 | 20 13 | 20 26 | 20 41 | 15 47 | 1 40 |
| F 7 | 3 4 | 20 27 | 2 59 | 14 6 | 0 49 | 15 37 | 0 45 | 23 43 | 0 11 | 21 29 | 0 18 | 20 21 | 1 19 | 20 23 | 0 39 | 5 47 | 1 24 | 3 41 | 15 50 | 20 12 | 20 25 | 20 41 | 15 46 | 1 41 |
| S 8 | 2 40 | 18 17 | 3 53 | 13 58 | 0 59 | 15 16 | 0 47 | 23 45 | 0 12 | 21 27 | 0 19 | 20 22 | 1 19 | 20 24 | 0 39 | 5 48 | 1 24 | 3 41 | 15 50 | 20 12 | 20 25 | 20 42 | 15 45 | 1 41 |
| S 9 | 2 17 | 15 6 | 4 32 | 13 48 | 1 9 | 14 55 | 0 50 | 23 46 | 0 13 | 21 26 | 0 19 | 20 23 | 1 19 | 20 24 | 0 39 | 5 48 | 1 24 | 3 40 | 15 50 | 20 11 | 20 24 | 20 42 | 15 45 | 1 42 |
| M10 | 1 53 | 11 8 | 4 56 | 13 37 | 1 17 | 14 33 | 0 52 | 23 48 | 0 15 | 21 24 | 0 19 | 20 23 | 1 19 | 20 24 | 0 39 | 5 49 | 1 24 | 3 40 | 15 50 | 20 9 | 20 23 | 20 42 | 15 44 | 1 42 |
| T 11 | 1 30 | 6 41 | 5 3 | 13 24 | 1 26 | 14 11 | 0 55 | 23 49 | 0 16 | 21 22 | 0 19 | 20 24 | 1 18 | 20 25 | 0 39 | 5 50 | 1 24 | 3 39 | 15 49 | 20 7 | 20 23 | 20 43 | 15 43 | 1 42 |
| W12 | 1 6 | 2 0 | 4 54 | 13 9 | 1 34 | 13 49 | 0 57 | 23 50 | 0 17 | 21 20 | 0 19 | 20 25 | 1 18 | 20 25 | 0 39 | 5 50 | 1 24 | 3 39 | 15 49 | 20 4 | 20 22 | 20 43 | 15 42 | 1 43 |
| T 13 | 0 42 | 2n43 | 4 30 | 12 52 | 1 41 | 13 26 | 0 59 | 23 51 | 0 19 | 21 19 | 0 19 | 20 26 | 1 18 | 20 25 | 0 39 | 5 51 | 1 24 | 3 38 | 15 49 | 20 2 | 20 21 | 20 44 | 15 41 | 1 43 |
| F 14 | 0 19 | 7 13 | 3 52 | 12 34 | 1 48 | 13 3 | 1 2 | 23 52 | 0 20 | 21 17 | 0 20 | 20 27 | 1 18 | 20 25 | 0 39 | 5 52 | 1 24 | 3 37 | 15 49 | 20 0 | 20 21 | 20 44 | 15 40 | 1 44 |
| S 15 | 0n 5 | 11 19 | 3 4 | 12 15 | 1 54 | 12 39 | 1 4 | 23 53 | 0 22 | 21 15 | 0 20 | 20 28 | 1 17 | 20 25 | 0 39 | 5 52 | 1 24 | 3 37 | 15 49 | 19 58 | 20 20 | 20 44 | 15 39 | 1 44 |
| S 16 | 0 28 | 14 53 | 2 9 | 11 54 | 2 0 | 12 15 | 1 6 | 23 53 | 0 23 | 21 14 | 0 20 | 20 29 | 1 17 | 20 26 | 0 39 | 5 53 | 1 24 | 3 36 | 15 48 | 19 57 | 20 19 | 20 45 | 15 38 | 1 45 |
| M17 | 0 52 | 17 45 | 1 8 | 11 31 | 2 6 | 11 51 | 1 8 | 23 54 | 0 25 | 21 12 | 0 20 | 20 30 | 1 17 | 20 26 | 0 39 | 5 54 | 1 24 | 3 36 | 15 48 | 19 56 | 20 19 | 20 45 | 15 37 | 1 45 |
| T 18 | 1 16 | 19 50 | 0 4 | 11 7 | 2 10 | 11 26 | 1 10 | 23 54 | 0 26 | 21 10 | 0 20 | 20 31 | 1 17 | 20 26 | 0 39 | 5 54 | 1 24 | 3 35 | 15 48 | 19 56 | 20 18 | 20 45 | 15 36 | 1 45 |
| W19 | 1 39 | 21 1 | 0s59 | 10 41 | 2 15 | 11 1 | 1 12 | 23 54 | 0 28 | 21 8 | 0 20 | 20 32 | 1 17 | 20 26 | 0 39 | 5 55 | 1 24 | 3 35 | 15 48 | 19 56 | 20 17 | 20 46 | 15 35 | 1 46 |
| T 20 | 2 3 | 21 17 | 2 0 | 10 14 | 2 19 | 10 36 | 1 13 | 23 54 | 0 29 | 21 7 | 0 20 | 20 33 | 1 16 | 20 26 | 0 39 | 5 55 | 1 24 | 3 34 | 15 48 | 19 56 | 20 17 | 20 46 | 15 34 | 1 46 |
| F 21 | 2 26 | 20 35 | 2 56 | 9 46 | 2 22 | 10 11 | 1 15 | 23 54 | 0 31 | 21 5 | 0 21 | 20 34 | 1 16 | 20 26 | 0 39 | 5 56 | 1 24 | 3 33 | 15 48 | 19 57 | 20 16 | 20 47 | 15 33 | 1 47 |
| S 22 | 2 49 | 18 57 | 3 45 | 9 16 | 2 25 | 9 45 | 1 17 | 23 53 | 0 32 | 21 4 | 0 21 | 20 35 | 1 16 | 20 27 | 0 39 | 5 57 | 1 24 | 3 33 | 15 47 | 19 56 | 20 15 | 20 47 | 15 32 | 1 47 |
| S 23 | 3 13 | 16 24 | 4 25 | 8 45 | 2 27 | 9 19 | 1 19 | 23 53 | 0 34 | 21 2 | 0 21 | 20 36 | 1 16 | 20 27 | 0 39 | 5 57 | 1 24 | 3 32 | 15 47 | 19 56 | 20 15 | 20 47 | 15 31 | 1 48 |
| M24 | 3 36 | 13 3 | 4 53 | 8 13 | 2 29 | 8 52 | 1 20 | 23 52 | 0 36 | 21 0 | 0 21 | 20 37 | 1 16 | 20 27 | 0 39 | 5 58 | 1 24 | 3 32 | 15 47 | 19 55 | 20 14 | 20 48 | 15 29 | 1 48 |
| T 25 | 3 59 | 8 59 | 5 7 | 7 39 | 2 30 | 8 26 | 1 22 | 23 52 | 0 37 | 20 59 | 0 21 | 20 38 | 1 15 | 20 27 | 0 39 | 5 58 | 1 24 | 3 31 | 15 47 | 19 54 | 20 13 | 20 48 | 15 28 | 1 48 |
| W26 | 4 22 | 4 21 | 5 5 | 7 4 | 2 31 | 7 59 | 1 23 | 23 51 | 0 39 | 20 57 | 0 21 | 20 39 | 1 15 | 20 27 | 0 39 | 5 59 | 1 23 | 3 31 | 15 47 | 19 52 | 20 13 | 20 48 | 15 27 | 1 49 |
| T 27 | 4 45 | 0s39 | 4 45 | 6 28 | 2 31 | 7 32 | 1 24 | 23 50 | 0 41 | 20 56 | 0 22 | 20 40 | 1 15 | 20 27 | 0 39 | 6 0 | 1 23 | 3 30 | 15 47 | 19 50 | 20 12 | 20 49 | 15 26 | 1 49 |
| F 28 | 5 8 | 5 44 | 4 7 | 5 50 | 2 31 | 7 5 | 1 26 | 23 49 | 0 42 | 20 54 | 0 22 | 20 41 | 1 15 | 20 27 | 0 39 | 6 0 | 1 23 | 3 30 | 15 47 | 19 49 | 20 11 | 20 49 | 15 24 | 1 50 |
| S 29 | 5 31 | 10 36 | 3 13 | 5 11 | 2 30 | 6 37 | 1 27 | 23 47 | 0 44 | 20 53 | 0 22 | 20 42 | 1 15 | 20 27 | 0 39 | 6 1 | 1 23 | 3 29 | 15 47 | 19 48 | 20 10 | 20 49 | 15 23 | 1 50 |
| S 30 | 5 54 | 14 54 | 2 5 | 4 31 | 2 29 | 6 10 | 1 28 | 23 46 | 0 46 | 20 51 | 0 22 | 20 43 | 1 15 | 20 27 | 0 39 | 6 1 | 1 23 | 3 28 | 15 47 | 19 47 | 20 10 | 20 49 | 15 22 | 1 50 |
| M31 | 6n17 | 18s17 | 0s49 | 3s49 | 2s27 | 5s42 | 1s29 | 23s45 | 0s48 | 20s50 | 0s22 | 20n44 | 1s14 | 20n27 | 0n39 | 6n 2 | 1n23 | 3s28 | 15s46 | 19s46 | 20s 9 | 20n50 | 15s21 | 1n51 |

Julian Day Number = 2129831.5, Delta T = 16m43s
Ecliptic obliquity = 23°33'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'37, Lahiri = 11°34'37 Julian Calendar 1 March 1119 == Greg. Calendar 8 March 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## APRIL 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 59 58 | 16♈51'25 | 3♐32 | 27♓43 | 20♓18 | 13♑10 | 29♑ 4 | 9♊25 | 1°R55 | 18°R 1 | 29♈25 | 27°D50 | 29♏30 | 5♊59 | 17°R22 | T 1 |
| W 2 | 13 3 55 | 17°49'54 | 18° 3 | 29°26 | 21°31 | 13°46 | 29°11 | 9°31 | 1♌55 | 17♍59 | 29°27 | 27♏51 | 29°27 | 6° 5 | 17♏19 | W 2 |
| T 3 | 13 7 51 | 18°48'21 | 2♑22 | 1♈11 | 22°44 | 14°21 | 29°19 | 9°37 | 1°D55 | 17°58 | 29°28 | 27°52 | 29°24 | 6°12 | 17°15 | T 3 |
| F 4 | 13 11 48 | 19°46'46 | 16°26 | 2°57 | 23°57 | 14°56 | 29°26 | 9°42 | 1°55 | 17°56 | 29°29 | 27°R53 | 29°21 | 6°19 | 17°12 | F 4 |
| S 5 | 13 15 44 | 20°45'10 | 0♒15 | 4°45 | 25°10 | 15°30 | 29°33 | 9°48 | 1°55 | 17°55 | 29°31 | 27°52 | 29°18 | 6°25 | 17° 8 | S 5 |
| S 6 | 13 19 41 | 21°43'32 | 13°48 | 6°34 | 26°23 | 16° 5 | 29°40 | 9°55 | 1°55 | 17°54 | 29°32 | 27°51 | 29°15 | 6°32 | 17° 4 | S 6 |
| M 7 | 13 23 38 | 22°41'52 | 27° 5 | 8°25 | 27°36 | 16°40 | 29°47 | 10° 1 | 1°56 | 17°53 | 29°33 | 27°47 | 29°11 | 6°39 | 17° 1 | M 7 |
| T 8 | 13 27 34 | 23°40'11 | 10♓ 9 | 10°18 | 28°49 | 17°14 | 29°53 | 10° 7 | 1°56 | 17°51 | 29°35 | 27°42 | 29° 8 | 6°45 | 16°57 | T 8 |
| W 9 | 13 31 31 | 24°38'28 | 22°59 | 12°13 | 0♈ 3 | 17°49 | 29°59 | 10°13 | 1°56 | 17°50 | 29°36 | 27°37 | 29° 5 | 6°52 | 16°53 | W 9 |
| T 10 | 13 35 27 | 25°36'44 | 5♈36 | 14° 9 | 1°16 | 18°23 | 0♒ 6 | 10°19 | 1°56 | 17°49 | 29°37 | 27°31 | 29° 2 | 6°58 | 16°49 | T 10 |
| F 11 | 13 39 24 | 26°34'58 | 18° 0 | 16° 7 | 2°29 | 18°57 | 0°12 | 10°26 | 1°57 | 17°47 | 29°39 | 27°26 | 28°59 | 7° 5 | 16°45 | F 11 |
| S 12 | 13 43 20 | 27°33'10 | 0♉14 | 18° 6 | 3°42 | 19°31 | 0°18 | 10°32 | 1°57 | 17°46 | 29°40 | 27°22 | 28°55 | 7°12 | 16°41 | S 12 |
| S 13 | 13 47 17 | 28°31'20 | 12°17 | 20° 7 | 4°55 | 20° 5 | 0°24 | 10°39 | 1°58 | 17°45 | 29°41 | 27°20 | 28°52 | 7°18 | 16°37 | S 13 |
| M14 | 13 51 13 | 29°29'28 | 24°13 | 22°10 | 6° 8 | 20°38 | 0°29 | 10°45 | 1°58 | 17°44 | 29°43 | 27°D19 | 28°49 | 7°25 | 16°33 | M14 |
| T 15 | 13 55 10 | 0♉27'35 | 6♊ 2 | 24°14 | 7°21 | 21°12 | 0°35 | 10°52 | 1°59 | 17°43 | 29°44 | 27°19 | 28°46 | 7°32 | 16°29 | T 15 |
| W16 | 13 59 7 | 1°25'40 | 17°49 | 26°20 | 8°34 | 21°45 | 0°40 | 10°58 | 2° 0 | 17°42 | 29°46 | 27°20 | 28°43 | 7°38 | 16°25 | W16 |
| T 17 | 14 3 3 | 2°23'43 | 29°37 | 28°27 | 9°47 | 22°19 | 0°45 | 11° 5 | 2° 0 | 17°41 | 29°47 | 27°22 | 28°40 | 7°45 | 16°20 | T 17 |
| F 18 | 14 7 0 | 3°21'44 | 11♋30 | 0♉35 | 11° 0 | 22°52 | 0°50 | 11°12 | 2° 1 | 17°40 | 29°48 | 27°24 | 28°36 | 7°52 | 16°16 | F 18 |
| S 19 | 14 10 56 | 4°19'43 | 23°33 | 2°43 | 12°14 | 23°25 | 0°55 | 11°19 | 2° 2 | 17°39 | 29°50 | 27°25 | 28°33 | 7°58 | 16°12 | S 19 |
| S 20 | 14 14 53 | 5°17'40 | 5♌51 | 4°53 | 13°27 | 23°58 | 1° 0 | 11°25 | 2° 3 | 17°38 | 29°51 | 27°R25 | 28°30 | 8° 5 | 16° 8 | S 20 |
| M21 | 14 18 49 | 6°15'36 | 18°27 | 7° 3 | 14°40 | 24°30 | 1° 4 | 11°32 | 2° 4 | 17°37 | 29°52 | 27°25 | 28°27 | 8°12 | 16° 3 | M21 |
| T 22 | 14 22 46 | 7°13'29 | 1♍27 | 9°14 | 15°53 | 25° 3 | 1° 9 | 11°39 | 2° 5 | 17°36 | 29°54 | 27°23 | 28°24 | 8°18 | 15°59 | T 22 |
| W23 | 14 26 42 | 8°11'21 | 14°52 | 11°25 | 17° 6 | 25°35 | 1°13 | 11°46 | 2° 6 | 17°35 | 29°55 | 27°21 | 28°21 | 8°25 | 15°54 | W23 |
| T 24 | 14 30 39 | 9° 9'10 | 28°44 | 13°35 | 18°19 | 26° 7 | 1°17 | 11°53 | 2° 7 | 17°34 | 29°56 | 27°19 | 28°17 | 8°32 | 15°50 | T 24 |
| F 25 | 14 34 35 | 10° 6'59 | 13♎ 3 | 15°45 | 19°32 | 26°39 | 1°20 | 12° 0 | 2° 8 | 17°33 | 29°58 | 27°17 | 28°14 | 8°38 | 15°46 | F 25 |
| S 26 | 14 38 32 | 11° 4'45 | 27°43 | 17°54 | 20°45 | 27°11 | 1°24 | 12° 7 | 2° 9 | 17°32 | 29°59 | 27°15 | 28°11 | 8°45 | 15°41 | S 26 |
| S 27 | 14 42 29 | 12° 2'30 | 12♏39 | 20° 2 | 21°59 | 27°42 | 1°27 | 12°14 | 2°10 | 17°31 | 0♉ 0 | 27°14 | 28° 8 | 8°51 | 15°37 | S 27 |
| M28 | 14 46 25 | 13° 0'14 | 27°43 | 22° 9 | 23°12 | 28°14 | 1°31 | 12°22 | 2°11 | 17°30 | 0° 2 | 27°D13 | 28° 5 | 8°58 | 15°32 | M28 |
| T 29 | 14 50 22 | 13°57'56 | 12♐45 | 24°14 | 24°25 | 28°45 | 1°34 | 12°29 | 2°13 | 17°30 | 0° 3 | 27°14 | 28° 1 | 9° 5 | 15°28 | T 29 |
| W30 | 14 54 18 | 14♉55'37 | 27♐38 | 26♉18 | 25♈38 | 29♑16 | 1♒37 | 12♊36 | 2♌14 | 17♍29 | 0♉ 4 | 27♏14 | 27♏58 | 9♊11 | 15♏24 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n39 | 20s27 | 0n31 | 3s 7 | 2s24 | 5s14 | 1s30 | 23s43 | 0s49 | 20s49 | 0s23 | 20n45 | 1s14 | 20n27 | 0n39 | 6n 2 | 1n23 | 3s27 | 15s46 | 19s46 | 20s 8 | 20n50 | 15s19 | 1n51 |
| W 2 | 7 2 | 21 13 | 1 48 | 2 23 | 2 21 | 4 46 | 1 31 | 23 41 | 0 51 | 20 47 | 0 23 | 20 46 | 1 14 | 20 27 | 0 39 | 6 3 | 1 23 | 3 27 | 15 46 | 19 46 | 20 8 | 20 50 | 15 18 | 1 52 |
| T 3 | 7 24 | 20 35 | 2 57 | 1 38 | 2 18 | 4 18 | 1 32 | 23 39 | 0 53 | 20 46 | 0 23 | 20 47 | 1 14 | 20 27 | 0 39 | 6 3 | 1 23 | 3 26 | 15 46 | 19 47 | 20 7 | 20 51 | 15 17 | 1 52 |
| F 4 | 7 46 | 18 40 | 3 54 | 0 52 | 2 14 | 3 49 | 1 32 | 23 37 | 0 55 | 20 45 | 0 23 | 20 48 | 1 14 | 20 27 | 0 39 | 6 4 | 1 23 | 3 26 | 15 46 | 19 47 | 20 6 | 20 51 | 15 15 | 1 52 |
| S 5 | 8 8 | 15 41 | 4 36 | 0 5 | 2 9 | 3 21 | 1 33 | 23 35 | 0 57 | 20 43 | 0 23 | 20 49 | 1 13 | 20 27 | 0 39 | 6 5 | 1 23 | 3 25 | 15 46 | 19 47 | 20 6 | 20 51 | 15 14 | 1 53 |
| S 6 | 8 30 | 11 56 | 5 2 | 0n43 | 2 4 | 2 52 | 1 34 | 23 33 | 0 59 | 20 42 | 0 23 | 20 50 | 1 13 | 20 27 | 0 39 | 6 5 | 1 23 | 3 25 | 15 46 | 19 46 | 20 5 | 20 51 | 15 12 | 1 53 |
| M 7 | 8 52 | 7 39 | 5 12 | 1 32 | 1 59 | 2 24 | 1 34 | 23 31 | 1 1 | 20 41 | 0 24 | 20 51 | 1 13 | 20 27 | 0 39 | 6 6 | 1 23 | 3 24 | 15 46 | 19 46 | 20 4 | 20 52 | 15 11 | 1 53 |
| T 8 | 9 14 | 3 6 | 5 4 | 2 22 | 1 53 | 1 55 | 1 35 | 23 28 | 1 3 | 20 39 | 0 24 | 20 52 | 1 13 | 20 27 | 0 38 | 6 6 | 1 23 | 3 24 | 15 46 | 19 44 | 20 4 | 20 52 | 15 9 | 1 54 |
| W 9 | 9 35 | 1n31 | 4 42 | 3 13 | 1 46 | 1 26 | 1 35 | 23 26 | 1 5 | 20 38 | 0 24 | 20 53 | 1 13 | 20 27 | 0 38 | 6 6 | 1 23 | 3 23 | 15 46 | 19 43 | 20 3 | 20 52 | 15 8 | 1 54 |
| T 10 | 9 57 | 6 0 | 4 6 | 4 5 | 1 39 | 0 57 | 1 35 | 23 23 | 1 7 | 20 37 | 0 24 | 20 54 | 1 13 | 20 27 | 0 38 | 6 7 | 1 23 | 3 23 | 15 46 | 19 42 | 20 2 | 20 52 | 15 7 | 1 55 |
| F 11 | 10 18 | 10 9 | 3 19 | 4 57 | 1 32 | 0 28 | 1 36 | 23 21 | 1 9 | 20 36 | 0 24 | 20 55 | 1 12 | 20 27 | 0 38 | 6 7 | 1 23 | 3 22 | 15 46 | 19 41 | 20 2 | 20 53 | 15 5 | 1 55 |
| S 12 | 10 39 | 13 50 | 2 23 | 5 50 | 1 24 | 0n 1 | 1 36 | 23 18 | 1 11 | 20 35 | 0 25 | 20 56 | 1 12 | 20 26 | 0 38 | 6 8 | 1 23 | 3 22 | 15 46 | 19 40 | 20 1 | 20 53 | 15 4 | 1 55 |
| S 13 | 11 0 | 16 53 | 1 22 | 6 44 | 1 16 | 0 30 | 1 36 | 23 15 | 1 13 | 20 34 | 0 25 | 20 58 | 1 12 | 20 26 | 0 38 | 6 8 | 1 23 | 3 21 | 15 46 | 19 39 | 20 0 | 20 53 | 15 2 | 1 56 |
| M14 | 11 21 | 19 11 | 0 17 | 7 38 | 1 7 | 0 59 | 1 36 | 23 12 | 1 15 | 20 33 | 0 25 | 20 59 | 1 12 | 20 26 | 0 38 | 6 9 | 1 23 | 3 21 | 15 46 | 19 39 | 19 59 | 20 53 | 15 1 | 1 56 |
| T 15 | 11 41 | 20 38 | 0s48 | 8 33 | 0 58 | 1 28 | 1 36 | 23 9 | 1 17 | 20 32 | 0 25 | 21 0 | 1 12 | 20 26 | 0 38 | 6 9 | 1 23 | 3 20 | 15 46 | 19 39 | 19 59 | 20 54 | 14 59 | 1 56 |
| W16 | 12 2 | 21 9 | 1 51 | 9 28 | 0 48 | 1 57 | 1 36 | 23 6 | 1 20 | 20 31 | 0 25 | 21 1 | 1 12 | 20 26 | 0 38 | 6 10 | 1 23 | 3 20 | 15 46 | 19 39 | 19 58 | 20 54 | 14 58 | 1 57 |
| T 17 | 12 22 | 20 44 | 2 49 | 10 22 | 0 38 | 2 26 | 1 35 | 23 2 | 1 22 | 20 30 | 0 26 | 21 2 | 1 11 | 20 26 | 0 38 | 6 10 | 1 23 | 3 19 | 15 46 | 19 40 | 19 57 | 20 54 | 14 56 | 1 57 |
| F 18 | 12 42 | 19 24 | 3 40 | 11 17 | 0 28 | 2 55 | 1 35 | 22 59 | 1 24 | 20 29 | 0 26 | 21 3 | 1 11 | 20 25 | 0 38 | 6 10 | 1 23 | 3 19 | 15 46 | 19 40 | 19 57 | 20 54 | 14 54 | 1 57 |
| S 19 | 13 1 | 17 10 | 4 23 | 12 12 | 0 18 | 3 24 | 1 35 | 22 56 | 1 26 | 20 28 | 0 26 | 21 4 | 1 11 | 20 25 | 0 38 | 6 11 | 1 23 | 3 18 | 15 46 | 19 40 | 19 56 | 20 54 | 14 53 | 1 58 |
| S 20 | 13 21 | 14 9 | 4 54 | 13 6 | 0 8 | 3 53 | 1 35 | 22 52 | 1 29 | 20 27 | 0 26 | 21 5 | 1 11 | 20 25 | 0 38 | 6 11 | 1 23 | 3 18 | 15 46 | 19 41 | 19 55 | 20 55 | 14 51 | 1 58 |
| M21 | 13 40 | 10 25 | 5 12 | 13 59 | 0n 3 | 4 22 | 1 34 | 22 49 | 1 31 | 20 27 | 0 26 | 21 6 | 1 11 | 20 25 | 0 38 | 6 11 | 1 23 | 3 18 | 15 46 | 19 40 | 19 54 | 20 55 | 14 50 | 1 58 |
| T 22 | 13 59 | 6 6 | 5 15 | 14 51 | 0 14 | 4 50 | 1 34 | 22 45 | 1 33 | 20 26 | 0 27 | 21 7 | 1 11 | 20 25 | 0 38 | 6 12 | 1 23 | 3 17 | 15 46 | 19 40 | 19 54 | 20 55 | 14 48 | 1 59 |
| W23 | 14 18 | 1 21 | 5 1 | 15 42 | 0 24 | 5 19 | 1 33 | 22 42 | 1 36 | 20 25 | 0 27 | 21 8 | 1 11 | 20 24 | 0 38 | 6 12 | 1 23 | 3 17 | 15 46 | 19 40 | 19 53 | 20 55 | 14 47 | 1 59 |
| T 24 | 14 37 | 3s37 | 4 30 | 16 32 | 0 35 | 5 48 | 1 32 | 22 38 | 1 38 | 20 24 | 0 27 | 21 9 | 1 10 | 20 24 | 0 38 | 6 12 | 1 23 | 3 16 | 15 46 | 19 39 | 19 52 | 20 55 | 14 45 | 1 59 |
| F 25 | 14 55 | 8 34 | 3 41 | 17 21 | 0 45 | 6 16 | 1 32 | 22 34 | 1 41 | 20 24 | 0 27 | 21 11 | 1 10 | 20 24 | 0 38 | 6 13 | 1 23 | 3 16 | 15 46 | 19 39 | 19 52 | 20 56 | 14 44 | 2 0 |
| S 26 | 15 13 | 13 8 | 2 36 | 18 7 | 0 55 | 6 44 | 1 31 | 22 31 | 1 43 | 20 23 | 0 27 | 21 12 | 1 10 | 20 23 | 0 38 | 6 13 | 1 23 | 3 15 | 15 46 | 19 38 | 19 51 | 20 56 | 14 42 | 2 0 |
| S 27 | 15 31 | 16 58 | 1 20 | 18 52 | 1 4 | 7 13 | 1 30 | 22 27 | 1 46 | 20 23 | 0 28 | 21 13 | 1 10 | 20 23 | 0 38 | 6 13 | 1 23 | 3 15 | 15 46 | 19 38 | 19 50 | 20 56 | 14 40 | 2 0 |
| M28 | 15 49 | 19 42 | 0n 3 | 19 35 | 1 14 | 7 41 | 1 29 | 22 23 | 1 48 | 20 22 | 0 28 | 21 14 | 1 10 | 20 23 | 0 38 | 6 14 | 1 23 | 3 15 | 15 46 | 19 38 | 19 50 | 20 56 | 14 39 | 2 1 |
| T 29 | 16 6 | 21 2 | 1 25 | 20 15 | 1 22 | 8 9 | 1 28 | 22 19 | 1 51 | 20 22 | 0 28 | 21 15 | 1 10 | 20 22 | 0 38 | 6 14 | 1 23 | 3 14 | 15 46 | 19 38 | 19 49 | 20 56 | 14 37 | 2 1 |
| W30 | 16n23 | 20s51 | 2n41 | 20n53 | 1n31 | 8n36 | 1s27 | 22s15 | 1s54 | 20s21 | 0s28 | 21n16 | 1s10 | 20n22 | 0n38 | 6n14 | 1n23 | 3s14 | 15s46 | 19s38 | 19s48 | 20n56 | 14s36 | 2n 1 |

Julian Day Number = 2129862.5, Delta T = 16m43s
Ecliptic obliquity = 23°33'08, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'41, Lahiri = 11°34'42 Julian Calendar 1 Apr. 1119 == Greg. Calendar 8 Apr. 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## MAY 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 58 15 | 15♉53'17 | 12♋16 | 28♉19 | 26♈51 | 29♋47 | 1♒39 | 12♊43 | 2♌16 | 17°R28 | 0♉ 6 | 27♏15 | 27♏55 | 9♊18 | 15°R19 | T 1 |
| F 2 | 15 2 11 | 16°50'56 | 26°33 | 0♊18 | 28° 4 | 0♒18 | 1°42 | 12°51 | 2°17 | 17♍28 | 0° 7 | 27°16 | 27°52 | 9°25 | 15♏15 | F 2 |
| S 3 | 15 6 8 | 17°48'34 | 10♒28 | 2°15 | 29°17 | 0°48 | 1°44 | 12°58 | 2°19 | 17°27 | 0° 8 | 27°17 | 27°49 | 9°31 | 15°10 | S 3 |
| S 4 | 15 10 5 | 18°46'10 | 24° 0 | 4° 9 | 0♉31 | 1°18 | 1°46 | 13° 5 | 2°20 | 17°26 | 0°10 | 27°R17 | 27°46 | 9°38 | 15° 6 | S 4 |
| M 5 | 15 14 1 | 19°43'46 | 7♓11 | 6° 1 | 1°44 | 1°48 | 1°48 | 13°13 | 2°22 | 17°26 | 0°11 | 27°16 | 27°42 | 9°45 | 15° 1 | M 5 |
| T 6 | 15 17 58 | 20°41'21 | 20° 3 | 7°50 | 2°57 | 2°18 | 1°50 | 13°20 | 2°23 | 17°25 | 0°12 | 27°16 | 27°39 | 9°51 | 14°57 | T 6 |
| W 7 | 15 21 54 | 21°38'54 | 2♈38 | 9°36 | 4°10 | 2°47 | 1°52 | 13°28 | 2°25 | 17°25 | 0°14 | 27°15 | 27°36 | 9°58 | 14°53 | W 7 |
| T 8 | 15 25 51 | 22°36'27 | 14°59 | 11°19 | 5°23 | 3°16 | 1°53 | 13°35 | 2°27 | 17°24 | 0°15 | 27°14 | 27°33 | 10° 5 | 14°48 | T 8 |
| F 9 | 15 29 47 | 23°33'59 | 27° 9 | 13° 0 | 6°37 | 3°45 | 1°54 | 13°43 | 2°29 | 17°24 | 0°16 | 27°14 | 27°30 | 10°11 | 14°44 | F 9 |
| S 10 | 15 33 44 | 24°31'30 | 9♉10 | 14°37 | 7°50 | 4°14 | 1°55 | 13°50 | 2°31 | 17°23 | 0°17 | 27°13 | 27°26 | 10°18 | 14°40 | S 10 |
| S 11 | 15 37 40 | 25°29'00 | 21° 4 | 16°12 | 9° 3 | 4°42 | 1°56 | 13°58 | 2°32 | 17°23 | 0°19 | 27°13 | 27°23 | 10°25 | 14°35 | S 11 |
| M12 | 15 41 37 | 26°26'28 | 2♊53 | 17°43 | 10°16 | 5°10 | 1°57 | 14° 5 | 2°34 | 17°22 | 0°20 | 27°D13 | 27°20 | 10°31 | 14°31 | M12 |
| T 13 | 15 45 33 | 27°23'56 | 14°41 | 19°11 | 11°30 | 5°38 | 1°57 | 14°13 | 2°36 | 17°22 | 0°21 | 27°R13 | 27°17 | 10°38 | 14°27 | T 13 |
| W14 | 15 49 30 | 28°21'23 | 26°28 | 20°37 | 12°43 | 6° 5 | 1°58 | 14°21 | 2°38 | 17°22 | 0°22 | 27°13 | 27°14 | 10°44 | 14°23 | W14 |
| T 15 | 15 53 27 | 29°18'49 | 8♋19 | 21°59 | 13°56 | 6°32 | 1°R58 | 14°28 | 2°40 | 17°22 | 0°24 | 27°13 | 27°11 | 10°51 | 14°18 | T 15 |
| F 16 | 15 57 23 | 0♊16'13 | 20°15 | 23°18 | 15° 9 | 6°59 | 1°57 | 14°36 | 2°43 | 17°21 | 0°25 | 27°13 | 27° 7 | 10°58 | 14°14 | F 16 |
| S 17 | 16 1 20 | 1°13'36 | 2♌20 | 24°34 | 16°23 | 7°26 | 1°57 | 14°44 | 2°45 | 17°21 | 0°26 | 27°12 | 27° 4 | 11° 4 | 14°10 | S 17 |
| S 18 | 16 5 16 | 2°10'58 | 14°39 | 25°46 | 17°36 | 7°52 | 1°57 | 14°51 | 2°47 | 17°21 | 0°27 | 27°12 | 27° 1 | 11°11 | 14° 6 | S 18 |
| M19 | 16 9 13 | 3° 8'19 | 27°14 | 26°55 | 18°49 | 8°18 | 1°56 | 14°59 | 2°49 | 17°21 | 0°28 | 27°D12 | 26°58 | 11°18 | 14° 2 | M19 |
| T 20 | 16 13 9 | 4° 5'39 | 10♍ 9 | 28° 1 | 20° 3 | 8°43 | 1°55 | 15° 7 | 2°52 | 17°21 | 0°30 | 27°12 | 26°55 | 11°24 | 13°58 | T 20 |
| W21 | 16 17 6 | 5° 2'58 | 23°28 | 29° 4 | 21°16 | 9° 8 | 1°54 | 15°15 | 2°54 | 17°21 | 0°31 | 27°12 | 26°52 | 11°31 | 13°54 | W21 |
| T 22 | 16 21 2 | 6° 0'16 | 7♎12 | 0♋ 2 | 22°29 | 9°33 | 1°53 | 15°22 | 2°56 | 17°20 | 0°32 | 27°13 | 26°48 | 11°38 | 13°50 | T 22 |
| F 23 | 16 24 59 | 6°57'33 | 21°23 | 0°58 | 23°42 | 9°57 | 1°51 | 15°30 | 2°59 | 17°D20 | 0°33 | 27°13 | 26°45 | 11°44 | 13°46 | F 23 |
| S 24 | 16 28 56 | 7°54'48 | 5♏59 | 1°49 | 24°56 | 10°21 | 1°50 | 15°38 | 3° 1 | 17°20 | 0°34 | 27°14 | 26°42 | 11°51 | 13°43 | S 24 |
| S 25 | 16 32 52 | 8°52'03 | 20°54 | 2°37 | 26° 9 | 10°45 | 1°48 | 15°46 | 3° 4 | 17°20 | 0°35 | 27°R15 | 26°39 | 11°58 | 13°39 | S 25 |
| M26 | 16 36 49 | 9°49'18 | 6♐ 3 | 3°21 | 27°22 | 11° 8 | 1°46 | 15°54 | 3° 6 | 17°21 | 0°36 | 27°15 | 26°36 | 12° 4 | 13°35 | M26 |
| T 27 | 16 40 45 | 10°46'32 | 21°16 | 4° 1 | 28°36 | 11°31 | 1°44 | 16° 1 | 3° 9 | 17°21 | 0°38 | 27°14 | 26°32 | 12°11 | 13°32 | T 27 |
| W28 | 16 44 42 | 11°43'45 | 6♋24 | 4°37 | 29°49 | 11°53 | 1°41 | 16° 9 | 3°11 | 17°21 | 0°39 | 27°13 | 26°29 | 12°18 | 13°28 | W28 |
| T 29 | 16 48 38 | 12°40'58 | 21°17 | 5° 9 | 1♊ 3 | 12°15 | 1°39 | 16°17 | 3°14 | 17°21 | 0°40 | 27°11 | 26°26 | 12°24 | 13°25 | T 29 |
| F 30 | 16 52 35 | 13°38'10 | 5♒48 | 5°36 | 2°16 | 12°37 | 1°36 | 16°25 | 3°17 | 17°21 | 0°41 | 27° 9 | 26°23 | 12°31 | 13°21 | F 30 |
| S 31 | 16 56 32 | 14♊35'22 | 19♒54 | 5♋59 | 3♊29 | 12♒58 | 1♒33 | 16♊33 | 3♌19 | 17♍21 | 0♉42 | 27♏ 7 | 26♏20 | 12♊38 | 13♏18 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n40 | 19s15 | 3n45 | 21n29 | 1n38 | 9n 4 | 1s26 | 22s11 | 1s56 | 20s21 | 0s28 | 21n17 | 1s 9 | 20n22 | 0n38 | 6n14 | 1n23 | 3s13 | 15s46 | 19s38 | 19s47 | 20n57 | 14s34 | 2n 1 |
| F 2 | 16 57 | 16 28 | 4 33 | 22 2 | 1 45 | 9 31 | 1 25 | 22 7 | 1 59 | 20 20 | 0 29 | 21 18 | 1 9 | 20 21 | 0 38 | 6 15 | 1 23 | 3 13 | 15 46 | 19 38 | 19 47 | 20 57 | 14 33 | 2 2 |
| S 3 | 17 13 | 12 49 | 5 4 | 22 32 | 1 52 | 9 58 | 1 24 | 22 3 | 2 2 | 20 20 | 0 29 | 21 19 | 1 9 | 20 21 | 0 38 | 6 15 | 1 23 | 3 13 | 15 46 | 19 39 | 19 46 | 20 57 | 14 31 | 2 2 |
| S 4 | 17 29 | 8 36 | 5 17 | 23 0 | 1 57 | 10 25 | 1 22 | 21 59 | 2 4 | 20 20 | 0 29 | 21 20 | 1 9 | 20 21 | 0 38 | 6 15 | 1 23 | 3 12 | 15 46 | 19 39 | 19 45 | 20 57 | 14 30 | 2 2 |
| M 5 | 17 45 | 4 4 | 5 13 | 23 25 | 2 2 | 10 52 | 1 21 | 21 55 | 2 7 | 20 20 | 0 29 | 21 21 | 1 9 | 20 20 | 0 38 | 6 15 | 1 23 | 3 12 | 15 46 | 19 39 | 19 44 | 20 57 | 14 28 | 2 3 |
| T 6 | 18 1 | 0n32 | 4 53 | 23 48 | 2 6 | 11 18 | 1 20 | 21 51 | 2 10 | 20 19 | 0 30 | 21 22 | 1 9 | 20 20 | 0 38 | 6 16 | 1 23 | 3 12 | 15 46 | 19 38 | 19 44 | 20 57 | 14 26 | 2 3 |
| W 7 | 18 16 | 5 1 | 4 19 | 24 8 | 2 10 | 11 45 | 1 18 | 21 47 | 2 13 | 20 19 | 0 30 | 21 23 | 1 9 | 20 19 | 0 38 | 6 16 | 1 23 | 3 11 | 15 46 | 19 38 | 19 43 | 20 57 | 14 25 | 2 3 |
| T 8 | 18 31 | 9 13 | 3 34 | 24 26 | 2 13 | 12 11 | 1 17 | 21 43 | 2 16 | 20 19 | 0 30 | 21 24 | 1 9 | 20 19 | 0 38 | 6 16 | 1 22 | 3 11 | 15 47 | 19 38 | 19 42 | 20 58 | 14 23 | 2 3 |
| F 9 | 18 45 | 12 59 | 2 40 | 24 41 | 2 14 | 12 36 | 1 15 | 21 39 | 2 19 | 20 19 | 0 30 | 21 25 | 1 8 | 20 19 | 0 38 | 6 16 | 1 22 | 3 11 | 15 47 | 19 38 | 19 42 | 20 58 | 14 22 | 2 4 |
| S 10 | 18 59 | 16 10 | 1 39 | 24 54 | 2 15 | 13 2 | 1 13 | 21 35 | 2 22 | 20 19 | 0 30 | 21 26 | 1 8 | 20 18 | 0 38 | 6 16 | 1 22 | 3 10 | 15 47 | 19 38 | 19 41 | 20 58 | 14 20 | 2 4 |
| S 11 | 19 13 | 18 39 | 0 34 | 25 5 | 2 16 | 13 27 | 1 12 | 21 31 | 2 25 | 20 19 | 0 31 | 21 27 | 1 8 | 20 18 | 0 38 | 6 16 | 1 22 | 3 10 | 15 47 | 19 38 | 19 40 | 20 58 | 14 19 | 2 4 |
| M12 | 19 27 | 20 19 | 0s31 | 25 13 | 2 15 | 13 52 | 1 10 | 21 27 | 2 28 | 20 19 | 0 31 | 21 28 | 1 8 | 20 17 | 0 38 | 6 16 | 1 22 | 3 10 | 15 47 | 19 38 | 19 39 | 20 58 | 14 17 | 2 4 |
| T 13 | 19 40 | 21 5 | 1 36 | 25 20 | 2 14 | 14 16 | 1 8 | 21 23 | 2 31 | 20 19 | 0 31 | 21 29 | 1 8 | 20 17 | 0 38 | 6 16 | 1 22 | 3 9 | 15 47 | 19 38 | 19 39 | 20 58 | 14 16 | 2 4 |
| W14 | 19 53 | 20 55 | 2 36 | 25 24 | 2 12 | 14 40 | 1 7 | 21 19 | 2 34 | 20 20 | 0 31 | 21 30 | 1 8 | 20 16 | 0 37 | 6 17 | 1 22 | 3 9 | 15 47 | 19 38 | 19 38 | 20 58 | 14 15 | 2 5 |
| T 15 | 20 6 | 19 49 | 3 29 | 25 27 | 2 9 | 15 4 | 1 5 | 21 16 | 2 37 | 20 20 | 0 32 | 21 31 | 1 8 | 20 16 | 0 37 | 6 17 | 1 22 | 3 9 | 15 47 | 19 38 | 19 37 | 20 58 | 14 13 | 2 5 |
| F 16 | 20 18 | 17 50 | 4 14 | 25 28 | 2 5 | 15 27 | 1 3 | 21 12 | 2 40 | 20 20 | 0 32 | 21 32 | 1 8 | 20 15 | 0 37 | 6 17 | 1 22 | 3 9 | 15 47 | 19 38 | 19 36 | 20 58 | 14 12 | 2 5 |
| S 17 | 20 30 | 15 3 | 4 48 | 25 27 | 2 1 | 15 50 | 1 1 | 21 8 | 2 44 | 20 20 | 0 32 | 21 33 | 1 8 | 20 15 | 0 37 | 6 17 | 1 22 | 3 8 | 15 48 | 19 38 | 19 36 | 20 58 | 14 10 | 2 5 |
| S 18 | 20 42 | 11 34 | 5 10 | 25 24 | 1 55 | 16 13 | 0 59 | 21 4 | 2 47 | 20 21 | 0 32 | 21 34 | 1 7 | 20 14 | 0 37 | 6 17 | 1 22 | 3 8 | 15 48 | 19 38 | 19 35 | 20 58 | 14 9 | 2 6 |
| M19 | 20 53 | 7 31 | 5 18 | 25 20 | 1 49 | 16 35 | 0 57 | 21 1 | 2 50 | 20 21 | 0 32 | 21 35 | 1 7 | 20 14 | 0 37 | 6 17 | 1 22 | 3 8 | 15 48 | 19 37 | 19 34 | 20 58 | 14 7 | 2 6 |
| T 20 | 21 4 | 3 1 | 5 10 | 25 15 | 1 42 | 16 57 | 0 55 | 20 57 | 2 54 | 20 21 | 0 33 | 21 36 | 1 7 | 20 13 | 0 37 | 6 17 | 1 22 | 3 7 | 15 48 | 19 37 | 19 34 | 20 59 | 14 6 | 2 6 |
| W21 | 21 14 | 1s45 | 4 45 | 25 8 | 1 35 | 17 18 | 0 53 | 20 54 | 2 57 | 20 22 | 0 33 | 21 37 | 1 7 | 20 13 | 0 37 | 6 17 | 1 22 | 3 7 | 15 48 | 19 38 | 19 33 | 20 59 | 14 5 | 2 6 |
| T 22 | 21 25 | 6 36 | 4 4 | 25 0 | 1 26 | 17 39 | 0 51 | 20 50 | 3 0 | 20 22 | 0 33 | 21 38 | 1 7 | 20 12 | 0 37 | 6 17 | 1 22 | 3 7 | 15 48 | 19 38 | 19 32 | 20 59 | 14 3 | 2 6 |
| F 23 | 21 34 | 11 15 | 3 6 | 24 50 | 1 17 | 18 0 | 0 49 | 20 47 | 3 4 | 20 23 | 0 33 | 21 39 | 1 7 | 20 11 | 0 37 | 6 17 | 1 22 | 3 7 | 15 49 | 19 38 | 19 31 | 20 59 | 14 2 | 2 6 |
| S 24 | 21 44 | 15 23 | 1 55 | 24 40 | 1 7 | 18 20 | 0 47 | 20 44 | 3 7 | 20 23 | 0 34 | 21 40 | 1 7 | 20 11 | 0 37 | 6 17 | 1 22 | 3 7 | 15 49 | 19 38 | 19 31 | 20 59 | 14 1 | 2 7 |
| S 25 | 21 53 | 18 38 | 0 35 | 24 29 | 0 57 | 18 40 | 0 45 | 20 41 | 3 11 | 20 24 | 0 34 | 21 41 | 1 7 | 20 10 | 0 37 | 6 17 | 1 22 | 3 6 | 15 49 | 19 38 | 19 30 | 20 59 | 14 0 | 2 7 |
| M26 | 22 2 | 20 37 | 0n49 | 24 16 | 0 46 | 18 59 | 0 42 | 20 38 | 3 14 | 20 25 | 0 34 | 21 42 | 1 7 | 20 10 | 0 37 | 6 17 | 1 22 | 3 6 | 15 49 | 19 38 | 19 29 | 20 59 | 13 58 | 2 7 |
| T 27 | 22 10 | 21 7 | 2 9 | 24 3 | 0 34 | 19 17 | 0 40 | 20 35 | 3 18 | 20 25 | 0 34 | 21 43 | 1 7 | 20 9 | 0 37 | 6 17 | 1 22 | 3 6 | 15 49 | 19 38 | 19 28 | 20 59 | 13 57 | 2 7 |
| W28 | 22 18 | 20 4 | 3 20 | 23 50 | 0 21 | 19 35 | 0 38 | 20 32 | 3 22 | 20 26 | 0 34 | 21 44 | 1 7 | 20 8 | 0 37 | 6 16 | 1 22 | 3 6 | 15 49 | 19 38 | 19 28 | 20 59 | 13 56 | 2 7 |
| T 29 | 22 25 | 17 38 | 4 17 | 23 35 | 0 8 | 19 53 | 0 36 | 20 29 | 3 25 | 20 27 | 0 35 | 21 44 | 1 6 | 20 8 | 0 37 | 6 16 | 1 22 | 3 6 | 15 50 | 19 37 | 19 27 | 20 59 | 13 55 | 2 7 |
| F 30 | 22 33 | 14 9 | 4 55 | 23 20 | 0s 6 | 20 10 | 0 33 | 20 26 | 3 29 | 20 28 | 0 35 | 21 45 | 1 6 | 20 7 | 0 37 | 6 16 | 1 22 | 3 5 | 15 50 | 19 37 | 19 26 | 20 59 | 13 53 | 2 8 |
| S 31 | 22n39 | 9s57 | 5n14 | 23n 5 | 0s20 | 20n26 | 0s31 | 20s24 | 3s33 | 20s29 | 0s35 | 21n46 | 1s 6 | 20n 6 | 0n37 | 6n16 | 1n22 | 3s 5 | 15s50 | 19s36 | 19s25 | 20n59 | 13s52 | 2n 8 |

Julian Day Number = 2129892.5, Delta T = 16m43s
Ecliptic obliquity = 23°33'08, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'45, Lahiri = 11°34'46 Julian Calendar 1 May 1119 == Greg. Calendar 8 May 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## JUNE 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 0 28 | 15♊32'34 | 3♓33 | 6♋18 | 4♊43 | 13♒18 | 1°R30 | 16♊41 | 3♌22 | 17♍22 | 0♉43 | 27°R 6 | 26♏17 | 12♊44 | 13°R14 | S 1 |
| M 2 | 17 4 25 | 16°29'46 | 16°45 | 6°32 | 5°56 | 13°38 | 1♒27 | 16°48 | 3°25 | 17°22 | 0°44 | 27°D 6 | 26°13 | 12°51 | 13♏11 | M 2 |
| T 3 | 17 8 21 | 17°26'57 | 29°34 | 6°42 | 7°10 | 13°58 | 1°23 | 16°56 | 3°28 | 17°22 | 0°45 | 27♏ 6 | 26°10 | 12°58 | 13° 8 | T 3 |
| W 4 | 17 12 18 | 18°24'09 | 12♈ 2 | 6°47 | 8°23 | 14°17 | 1°19 | 17° 4 | 3°30 | 17°23 | 0°46 | 27° 7 | 26° 7 | 13° 4 | 13° 5 | W 4 |
| T 5 | 17 16 14 | 19°21'20 | 24°15 | 6°R48 | 9°36 | 14°36 | 1°16 | 17°12 | 3°33 | 17°23 | 0°47 | 27° 9 | 26° 4 | 13°11 | 13° 2 | T 5 |
| F 6 | 17 20 11 | 20°18'32 | 6♉16 | 6°44 | 10°50 | 14°54 | 1°12 | 17°20 | 3°36 | 17°23 | 0°48 | 27°10 | 26° 1 | 13°17 | 12°59 | F 6 |
| S 7 | 17 24 7 | 21°15'43 | 18° 9 | 6°35 | 12° 3 | 15°11 | 1° 7 | 17°28 | 3°39 | 17°24 | 0°49 | 27°11 | 25°58 | 13°24 | 12°56 | S 7 |
| S 8 | 17 28 4 | 22°12'55 | 29°57 | 6°23 | 13°17 | 15°28 | 1° 3 | 17°35 | 3°42 | 17°24 | 0°50 | 27°R12 | 25°54 | 13°31 | 12°53 | S 8 |
| M 9 | 17 32 1 | 23°10'06 | 11♊44 | 6° 6 | 14°30 | 15°44 | 0°59 | 17°43 | 3°45 | 17°25 | 0°50 | 27°11 | 25°51 | 13°37 | 12°51 | M 9 |
| T 10 | 17 35 57 | 24° 7'17 | 23°32 | 5°45 | 15°44 | 16° 0 | 0°54 | 17°51 | 3°48 | 17°26 | 0°51 | 27° 9 | 25°48 | 13°44 | 12°48 | T 10 |
| W11 | 17 39 54 | 25° 4'28 | 5♋23 | 5°20 | 16°58 | 16°15 | 0°49 | 17°59 | 3°51 | 17°26 | 0°52 | 27° 5 | 25°45 | 13°51 | 12°46 | W11 |
| T 12 | 17 43 50 | 26° 1'39 | 17°20 | 4°52 | 18°11 | 16°30 | 0°44 | 18° 7 | 3°54 | 17°27 | 0°53 | 27° 1 | 25°42 | 13°57 | 12°43 | T 12 |
| F 13 | 17 47 47 | 26°58'50 | 29°24 | 4°22 | 19°25 | 16°44 | 0°39 | 18°15 | 3°58 | 17°27 | 0°54 | 26°56 | 25°38 | 14° 4 | 12°41 | F 13 |
| S 14 | 17 51 43 | 27°56'01 | 11♌37 | 3°48 | 20°38 | 16°57 | 0°34 | 18°22 | 4° 1 | 17°28 | 0°55 | 26°51 | 25°35 | 14°11 | 12°39 | S 14 |
| S 15 | 17 55 40 | 28°53'11 | 24° 1 | 3°13 | 21°52 | 17°10 | 0°28 | 18°30 | 4° 4 | 17°29 | 0°56 | 26°46 | 25°32 | 14°17 | 12°36 | S 15 |
| M16 | 17 59 36 | 29°50'21 | 6♍40 | 2°37 | 23° 5 | 17°22 | 0°23 | 18°38 | 4° 7 | 17°30 | 0°56 | 26°43 | 25°29 | 14°24 | 12°34 | M16 |
| T 17 | 18 3 33 | 0♋47'31 | 19°35 | 1°59 | 24°19 | 17°33 | 0°17 | 18°46 | 4°10 | 17°30 | 0°57 | 26°41 | 25°26 | 14°31 | 12°32 | T 17 |
| W18 | 18 7 30 | 1°44'41 | 2♎50 | 1°22 | 25°33 | 17°44 | 0°11 | 18°53 | 4°14 | 17°31 | 0°58 | 26°D40 | 25°23 | 14°37 | 12°30 | W18 |
| T 19 | 18 11 26 | 2°41'50 | 16°26 | 0°45 | 26°46 | 17°54 | 0° 5 | 19° 1 | 4°17 | 17°32 | 0°59 | 26°41 | 25°19 | 14°44 | 12°29 | T 19 |
| F 20 | 18 15 23 | 3°39'00 | 0♏25 | 0° 9 | 28° 0 | 18° 3 | 29♑59 | 19° 9 | 4°20 | 17°33 | 0°59 | 26°42 | 25°16 | 14°51 | 12°27 | F 20 |
| S 21 | 18 19 19 | 4°36'09 | 14°47 | 29♊36 | 29°14 | 18°11 | 29°53 | 19°16 | 4°23 | 17°34 | 1° 0 | 26°43 | 25°13 | 14°57 | 12°25 | S 21 |
| S 22 | 18 23 16 | 5°33'19 | 29°30 | 29° 4 | 0♋27 | 18°19 | 29°46 | 19°24 | 4°27 | 17°35 | 1° 1 | 26°R44 | 25°10 | 15° 4 | 12°24 | S 22 |
| M23 | 18 27 12 | 6°30'28 | 14♐29 | 28°36 | 1°41 | 18°26 | 29°40 | 19°32 | 4°30 | 17°36 | 1° 1 | 26°43 | 25° 7 | 15°11 | 12°22 | M23 |
| T 24 | 18 31 9 | 7°27'38 | 29°37 | 28°10 | 2°55 | 18°33 | 29°33 | 19°39 | 4°34 | 17°37 | 1° 2 | 26°40 | 25° 4 | 15°17 | 12°21 | T 24 |
| W25 | 18 35 5 | 8°24'48 | 14♑45 | 27°49 | 4° 8 | 18°39 | 29°27 | 19°47 | 4°37 | 17°38 | 1° 3 | 26°35 | 25° 0 | 15°24 | 12°20 | W25 |
| T 26 | 18 39 2 | 9°21'59 | 29°42 | 27°33 | 5°22 | 18°44 | 29°20 | 19°54 | 4°40 | 17°39 | 1° 3 | 26°29 | 24°57 | 15°31 | 12°19 | T 26 |
| F 27 | 18 42 59 | 10°19'09 | 14♒21 | 27°21 | 6°36 | 18°48 | 29°13 | 20° 2 | 4°44 | 17°40 | 1° 4 | 26°23 | 24°54 | 15°37 | 12°17 | F 27 |
| S 28 | 18 46 55 | 11°16'21 | 28°34 | 27°14 | 7°50 | 18°51 | 29° 6 | 20° 9 | 4°47 | 17°41 | 1° 5 | 26°16 | 24°51 | 15°44 | 12°17 | S 28 |
| S 29 | 18 50 52 | 12°13'33 | 12♓20 | 27°D12 | 9° 4 | 18°54 | 28°59 | 20°17 | 4°51 | 17°42 | 1° 5 | 26°11 | 24°48 | 15°51 | 12°16 | S 29 |
| M30 | 18 54 48 | 13♋10'46 | 25♓37 | 27♊16 | 10♋17 | 18♒56 | 28♑52 | 20♊24 | 4♌54 | 17♍43 | 1♉ 6 | 26♏ 8 | 24♏44 | 15♊57 | 12♏15 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n46 | 5s22 | 5n14 | 22n49 | 0s35 | 20n42 | 0s29 | 20s21 | 3s36 | 20s30 | 0s35 | 21n47 | 1s 6 | 20n 6 | 0n37 | 6n16 | 1n22 | 3s 5 | 15s50 | 19s36 | 19s25 | 20n59 | 13s51 | 2n 8 |
| M 2 | 22 52 | 0 41 | 4 58 | 22 33 | 0 50 | 20 58 | 0 26 | 20 19 | 3 40 | 20 31 | 0 36 | 21 48 | 1 6 | 20 5 | 0 37 | 6 16 | 1 22 | 3 5 | 15 50 | 19 36 | 19 24 | 20 59 | 13 50 | 2 8 |
| T 3 | 22 57 | 3n54 | 4 27 | 22 17 | 1 6 | 21 13 | 0 24 | 20 17 | 3 44 | 20 32 | 0 36 | 21 49 | 1 6 | 20 4 | 0 37 | 6 16 | 1 22 | 3 5 | 15 51 | 19 36 | 19 23 | 20 59 | 13 49 | 2 8 |
| W 4 | 23 3 | 8 13 | 3 44 | 22 1 | 1 22 | 21 27 | 0 22 | 20 15 | 3 48 | 20 33 | 0 36 | 21 50 | 1 6 | 20 4 | 0 37 | 6 16 | 1 21 | 3 5 | 15 51 | 19 36 | 19 22 | 20 59 | 13 48 | 2 8 |
| T 5 | 23 7 | 12 7 | 2 52 | 21 45 | 1 38 | 21 41 | 0 19 | 20 13 | 3 52 | 20 34 | 0 36 | 21 50 | 1 6 | 20 3 | 0 37 | 6 15 | 1 21 | 3 5 | 15 51 | 19 37 | 19 22 | 20 59 | 13 47 | 2 8 |
| F 6 | 23 12 | 15 27 | 1 53 | 21 29 | 1 54 | 21 54 | 0 17 | 20 12 | 3 56 | 20 35 | 0 36 | 21 51 | 1 6 | 20 2 | 0 37 | 6 15 | 1 21 | 3 5 | 15 51 | 19 37 | 19 21 | 20 59 | 13 46 | 2 9 |
| S 7 | 23 16 | 18 7 | 0 50 | 21 13 | 2 10 | 22 6 | 0 15 | 20 10 | 4 0 | 20 36 | 0 37 | 21 52 | 1 6 | 20 2 | 0 37 | 6 15 | 1 21 | 3 4 | 15 52 | 19 37 | 19 20 | 20 59 | 13 45 | 2 9 |
| S 8 | 23 19 | 19 59 | 0s15 | 20 58 | 2 26 | 22 18 | 0 12 | 20 9 | 4 4 | 20 37 | 0 37 | 21 53 | 1 6 | 20 1 | 0 37 | 6 15 | 1 21 | 3 4 | 15 52 | 19 37 | 19 19 | 20 59 | 13 44 | 2 9 |
| M 9 | 23 22 | 20 59 | 1 19 | 20 43 | 2 42 | 22 29 | 0 10 | 20 8 | 4 8 | 20 38 | 0 37 | 21 54 | 1 6 | 20 0 | 0 37 | 6 14 | 1 21 | 3 4 | 15 52 | 19 37 | 19 19 | 20 59 | 13 43 | 2 9 |
| T 10 | 23 25 | 21 4 | 2 20 | 20 28 | 2 58 | 22 40 | 0 7 | 20 7 | 4 12 | 20 40 | 0 37 | 21 54 | 1 6 | 19 59 | 0 37 | 6 14 | 1 21 | 3 4 | 15 52 | 19 37 | 19 18 | 20 59 | 13 42 | 2 9 |
| W11 | 23 28 | 20 12 | 3 15 | 20 14 | 3 13 | 22 50 | 0 5 | 20 6 | 4 16 | 20 41 | 0 38 | 21 55 | 1 5 | 19 59 | 0 37 | 6 14 | 1 21 | 3 4 | 15 52 | 19 36 | 19 17 | 20 59 | 13 41 | 2 9 |
| T 12 | 23 30 | 18 26 | 4 1 | 20 1 | 3 27 | 22 59 | 0 3 | 20 6 | 4 20 | 20 42 | 0 38 | 21 56 | 1 5 | 19 58 | 0 37 | 6 14 | 1 21 | 3 4 | 15 53 | 19 35 | 19 16 | 20 59 | 13 41 | 2 9 |
| F 13 | 23 31 | 15 51 | 4 37 | 19 48 | 3 41 | 23 7 | 0 0 | 20 5 | 4 24 | 20 43 | 0 38 | 21 57 | 1 5 | 19 57 | 0 37 | 6 13 | 1 21 | 3 4 | 15 53 | 19 34 | 19 16 | 20 59 | 13 40 | 2 9 |
| S 14 | 23 32 | 12 33 | 5 2 | 19 37 | 3 53 | 23 15 | 0n 2 | 20 5 | 4 28 | 20 45 | 0 38 | 21 57 | 1 5 | 19 56 | 0 37 | 6 13 | 1 21 | 3 4 | 15 53 | 19 33 | 19 15 | 20 59 | 13 39 | 2 9 |
| S 15 | 23 33 | 8 40 | 5 12 | 19 26 | 4 5 | 23 23 | 0 5 | 20 5 | 4 33 | 20 46 | 0 38 | 21 58 | 1 5 | 19 56 | 0 37 | 6 13 | 1 21 | 3 4 | 15 53 | 19 32 | 19 14 | 20 59 | 13 38 | 2 10 |
| M16 | 23 33 | 4 20 | 5 8 | 19 17 | 4 15 | 23 29 | 0 7 | 20 5 | 4 37 | 20 48 | 0 39 | 21 59 | 1 5 | 19 55 | 0 37 | 6 12 | 1 21 | 3 4 | 15 54 | 19 31 | 19 13 | 20 58 | 13 38 | 2 10 |
| T 17 | 23 33 | 0s16 | 4 48 | 19 9 | 4 24 | 23 35 | 0 9 | 20 6 | 4 41 | 20 49 | 0 39 | 22 0 | 1 5 | 19 54 | 0 37 | 6 12 | 1 21 | 3 4 | 15 54 | 19 30 | 19 13 | 20 58 | 13 37 | 2 10 |
| W18 | 23 32 | 4 59 | 4 13 | 19 2 | 4 31 | 23 40 | 0 12 | 20 7 | 4 45 | 20 50 | 0 39 | 22 0 | 1 5 | 19 53 | 0 37 | 6 12 | 1 21 | 3 4 | 15 54 | 19 30 | 19 12 | 20 58 | 13 36 | 2 10 |
| T 19 | 23 31 | 9 36 | 3 22 | 18 56 | 4 37 | 23 45 | 0 14 | 20 7 | 4 49 | 20 52 | 0 39 | 22 1 | 1 5 | 19 52 | 0 37 | 6 11 | 1 21 | 3 4 | 15 55 | 19 30 | 19 11 | 20 58 | 13 36 | 2 10 |
| F 20 | 23 30 | 13 50 | 2 19 | 18 52 | 4 41 | 23 49 | 0 17 | 20 8 | 4 54 | 20 53 | 0 39 | 22 2 | 1 5 | 19 52 | 0 37 | 6 11 | 1 21 | 3 4 | 15 55 | 19 31 | 19 10 | 20 58 | 13 35 | 2 10 |
| S 21 | 23 28 | 17 23 | 1 5 | 18 49 | 4 44 | 23 52 | 0 19 | 20 10 | 4 58 | 20 55 | 0 40 | 22 2 | 1 5 | 19 51 | 0 37 | 6 11 | 1 21 | 3 4 | 15 55 | 19 31 | 19 10 | 20 58 | 13 34 | 2 10 |
| S 22 | 23 26 | 19 54 | 0n15 | 18 48 | 4 45 | 23 54 | 0 21 | 20 11 | 5 2 | 20 57 | 0 40 | 22 3 | 1 5 | 19 50 | 0 37 | 6 10 | 1 21 | 3 4 | 15 55 | 19 31 | 19 9 | 20 58 | 13 34 | 2 10 |
| M23 | 23 23 | 21 4 | 1 35 | 18 48 | 4 45 | 23 56 | 0 23 | 20 13 | 5 6 | 20 58 | 0 40 | 22 4 | 1 5 | 19 49 | 0 37 | 6 10 | 1 21 | 3 4 | 15 56 | 19 31 | 19 8 | 20 58 | 13 33 | 2 10 |
| T 24 | 23 20 | 20 44 | 2 49 | 18 50 | 4 43 | 23 57 | 0 26 | 20 15 | 5 10 | 21 0 | 0 40 | 22 4 | 1 5 | 19 48 | 0 37 | 6 9 | 1 21 | 3 4 | 15 56 | 19 30 | 19 7 | 20 58 | 13 33 | 2 10 |
| W25 | 23 17 | 18 54 | 3 51 | 18 53 | 4 39 | 23 57 | 0 28 | 20 17 | 5 15 | 21 1 | 0 40 | 22 5 | 1 5 | 19 48 | 0 37 | 6 9 | 1 21 | 3 4 | 15 56 | 19 29 | 19 6 | 20 58 | 13 32 | 2 10 |
| T 26 | 23 13 | 15 48 | 4 36 | 18 57 | 4 34 | 23 57 | 0 30 | 20 20 | 5 19 | 21 3 | 0 41 | 22 6 | 1 5 | 19 47 | 0 37 | 6 9 | 1 21 | 3 4 | 15 56 | 19 28 | 19 6 | 20 58 | 13 32 | 2 10 |
| F 27 | 23 9 | 11 47 | 5 3 | 19 3 | 4 28 | 23 56 | 0 32 | 20 22 | 5 23 | 21 5 | 0 41 | 22 6 | 1 5 | 19 46 | 0 37 | 6 8 | 1 21 | 3 4 | 15 57 | 19 26 | 19 5 | 20 57 | 13 32 | 2 10 |
| S 28 | 23 4 | 7 12 | 5 9 | 19 11 | 4 21 | 23 54 | 0 35 | 20 25 | 5 27 | 21 6 | 0 41 | 22 7 | 1 5 | 19 45 | 0 37 | 6 8 | 1 21 | 3 4 | 15 57 | 19 25 | 19 4 | 20 57 | 13 31 | 2 10 |
| S 29 | 22 59 | 2 23 | 4 57 | 19 20 | 4 12 | 23 51 | 0 37 | 20 28 | 5 31 | 21 8 | 0 41 | 22 7 | 1 5 | 19 44 | 0 37 | 6 7 | 1 21 | 3 4 | 15 57 | 19 23 | 19 3 | 20 57 | 13 31 | 2 10 |
| M30 | 22n54 | 2n22 | 4n30 | 19n29 | 4s 2 | 23n48 | 0n39 | 20s31 | 5s35 | 21s 9 | 0s41 | 22n 8 | 1s 4 | 19n43 | 0n37 | 6n 7 | 1n21 | 3s 4 | 15s58 | 19s23 | 19s 3 | 20n57 | 13s31 | 2n11 |

Julian Day Number = 2129923.5, Delta T = 16m43s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'50, Lahiri = 11°34'50 Julian Calendar 1 June 1119 == Greg. Calendar 8 June 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## JULY 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 58 45 | 14♋ 7'59 | 8♈28 | 27♊25 | 11♋31 | 18♒57 | 28°R45 | 20♊32 | 4♎58 | 17♍44 | 1♉ 6 | 26°R 6 | 24♏41 | 16♊ 4 | 12°R14 | T 1 |
| W 2 | 19 2 41 | 15° 5'14 | 20°56 | 27°40 | 12°45 | 18°R57 | 28♉37 | 20°39 | 5° 1 | 17°45 | 1° 7 | 26°D 6 | 24°38 | 16°10 | 12♏14 | W 2 |
| T 3 | 19 6 38 | 16° 2'29 | 3♉ 6 | 28° 1 | 13°59 | 18°57 | 28°30 | 20°47 | 5° 5 | 17°47 | 1° 7 | 26♏ 7 | 24°35 | 16°17 | 12°13 | T 3 |
| F 4 | 19 10 34 | 16°59'45 | 15° 4 | 28°28 | 15°13 | 18°55 | 28°22 | 20°54 | 5° 9 | 17°48 | 1° 8 | 26° 9 | 24°32 | 16°24 | 12°13 | F 4 |
| S 5 | 19 14 31 | 17°57'03 | 26°54 | 29° 0 | 16°27 | 18°53 | 28°15 | 21° 1 | 5°12 | 17°49 | 1° 8 | 26°R 9 | 24°29 | 16°30 | 12°13 | S 5 |
| S 6 | 19 18 28 | 18°54'21 | 8♊40 | 29°38 | 17°41 | 18°50 | 28° 7 | 21° 9 | 5°16 | 17°51 | 1° 9 | 26° 8 | 24°25 | 16°37 | 12°12 | S 6 |
| M 7 | 19 22 24 | 19°51'40 | 20°28 | 0♋22 | 18°54 | 18°47 | 28° 0 | 21°16 | 5°19 | 17°52 | 1° 9 | 26° 5 | 24°22 | 16°44 | 12°D12 | M 7 |
| T 8 | 19 26 21 | 20°49'00 | 2♋19 | 1°12 | 20° 8 | 18°42 | 27°52 | 21°23 | 5°23 | 17°53 | 1° 9 | 26° 0 | 24°19 | 16°50 | 12°12 | T 8 |
| W 9 | 19 30 17 | 21°46'20 | 14°18 | 2° 7 | 21°22 | 18°37 | 27°44 | 21°30 | 5°27 | 17°55 | 1°10 | 25°52 | 24°16 | 16°57 | 12°13 | W 9 |
| T 10 | 19 34 14 | 22°43'42 | 26°24 | 3° 8 | 22°36 | 18°31 | 27°37 | 21°37 | 5°30 | 17°56 | 1°10 | 25°43 | 24°13 | 17° 4 | 12°13 | T 10 |
| F 11 | 19 38 10 | 23°41'04 | 8♌40 | 4°14 | 23°50 | 18°24 | 27°29 | 21°44 | 5°34 | 17°58 | 1°10 | 25°33 | 24°10 | 17°10 | 12°13 | F 11 |
| S 12 | 19 42 7 | 24°38'27 | 21° 7 | 5°25 | 25° 4 | 18°17 | 27°21 | 21°51 | 5°38 | 17°59 | 1°11 | 25°22 | 24° 6 | 17°17 | 12°14 | S 12 |
| S 13 | 19 46 3 | 25°35'51 | 3♍45 | 6°42 | 26°18 | 18° 9 | 27°13 | 21°58 | 5°41 | 18° 1 | 1°11 | 25°12 | 24° 3 | 17°24 | 12°14 | S 13 |
| M14 | 19 50 0 | 26°33'16 | 16°35 | 8° 3 | 27°32 | 18° 0 | 27° 6 | 22° 5 | 5°45 | 18° 2 | 1°11 | 25° 4 | 24° 0 | 17°30 | 12°15 | M14 |
| T 15 | 19 53 57 | 27°30'41 | 29°38 | 9°30 | 28°46 | 17°50 | 26°58 | 22°12 | 5°49 | 18° 4 | 1°11 | 24°59 | 23°57 | 17°37 | 12°16 | T 15 |
| W16 | 19 57 53 | 28°28'07 | 12♎55 | 11° 1 | 0♌ 1 | 17°40 | 26°50 | 22°19 | 5°52 | 18° 5 | 1°12 | 24°56 | 23°54 | 17°44 | 12°16 | W16 |
| T 17 | 20 1 50 | 29°25'34 | 26°29 | 12°36 | 1°15 | 17°29 | 26°42 | 22°26 | 5°56 | 18° 7 | 1°12 | 24°D55 | 23°50 | 17°50 | 12°17 | T 17 |
| F 18 | 20 5 46 | 0♌23'02 | 10♏19 | 14°16 | 2°29 | 17°18 | 26°34 | 22°33 | 6° 0 | 18° 8 | 1°12 | 24°55 | 23°47 | 17°57 | 12°18 | F 18 |
| S 19 | 20 9 43 | 1°20'30 | 24°28 | 15°59 | 3°43 | 17° 6 | 26°27 | 22°39 | 6° 3 | 18°10 | 1°12 | 24°R55 | 23°44 | 18° 4 | 12°20 | S 19 |
| S 20 | 20 13 39 | 2°17'59 | 8♐54 | 17°46 | 4°57 | 16°54 | 26°19 | 22°46 | 6° 7 | 18°12 | 1°12 | 24°55 | 23°41 | 18°10 | 12°21 | S 20 |
| M21 | 20 17 36 | 3°15'29 | 23°34 | 19°36 | 6°11 | 16°41 | 26°11 | 22°53 | 6°11 | 18°13 | 1°12 | 24°52 | 23°38 | 18°17 | 12°22 | M21 |
| T 22 | 20 21 32 | 4°13'00 | 8♑24 | 21°29 | 7°25 | 16°27 | 26° 4 | 22°59 | 6°15 | 18°15 | 1°13 | 24°47 | 23°35 | 18°24 | 12°24 | T 22 |
| W23 | 20 25 29 | 5°10'33 | 23°16 | 23°24 | 8°39 | 16°13 | 25°56 | 23° 6 | 6°18 | 18°17 | 1°13 | 24°39 | 23°31 | 18°30 | 12°25 | W23 |
| T 24 | 20 29 26 | 6° 8'06 | 8♒ 3 | 25°21 | 9°53 | 15°59 | 25°48 | 23°12 | 6°22 | 18°19 | 1°13 | 24°29 | 23°28 | 18°37 | 12°27 | T 24 |
| F 25 | 20 33 22 | 7° 5'40 | 22°36 | 27°20 | 11° 8 | 15°45 | 25°41 | 23°19 | 6°26 | 18°20 | 1°13 | 24°19 | 23°25 | 18°44 | 12°29 | F 25 |
| S 26 | 20 37 19 | 8° 3'16 | 6♓47 | 29°20 | 12°22 | 15°30 | 25°33 | 23°25 | 6°29 | 18°22 | 1°R13 | 24° 8 | 23°22 | 18°50 | 12°31 | S 26 |
| S 27 | 20 41 15 | 9° 0'53 | 20°34 | 1♌21 | 13°36 | 15°15 | 25°26 | 23°31 | 6°33 | 18°24 | 1°13 | 23°59 | 23°19 | 18°57 | 12°33 | S 27 |
| M28 | 20 45 12 | 9°58'32 | 3♈53 | 3°23 | 14°50 | 14°59 | 25°19 | 23°38 | 6°37 | 18°26 | 1°13 | 23°52 | 23°16 | 19° 4 | 12°35 | M28 |
| T 29 | 20 49 8 | 10°56'12 | 16°46 | 5°25 | 16° 4 | 14°44 | 25°11 | 23°44 | 6°41 | 18°28 | 1°13 | 23°48 | 23°12 | 19°10 | 12°37 | T 29 |
| W30 | 20 53 5 | 11°53'54 | 29°15 | 7°27 | 17°19 | 14°28 | 25° 4 | 23°50 | 6°44 | 18°29 | 1°13 | 23°46 | 23° 9 | 19°17 | 12°39 | W30 |
| T 31 | 20 57 1 | 12♌51'37 | 11♉27 | 9♌28 | 18♌33 | 14♒12 | 24♑57 | 23♊56 | 6♌48 | 18♍31 | 1♉12 | 23°D45 | 23♏ 6 | 19♊24 | 12♏41 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n48 | 6n52 | 3n49 | 19n40 | 3s51 | 23n44 | 0n41 | 20s35 | 5s39 | 21s11 | 0s42 | 22n 8 | 1s 4 | 19n42 | 0n37 | 6n 6 | 1n21 | 3s 5 | 15s58 | 19s22 | 19s 2 | 20n57 | 13s31 | 2n11 |
| W 2 | 22 42 | 10 58 | 2 59 | 19 52 | 3 40 | 23 39 | 0 43 | 20 39 | 5 44 | 21 13 | 0 42 | 22 9 | 1 4 | 19 42 | 0 37 | 6 6 | 1 21 | 3 5 | 15 58 | 19 22 | 19 1 | 20 57 | 13 30 | 2 11 |
| T 3 | 22 35 | 14 30 | 2 1 | 20 5 | 3 28 | 23 34 | 0 45 | 20 42 | 5 47 | 21 15 | 0 42 | 22 10 | 1 4 | 19 41 | 0 37 | 6 5 | 1 20 | 3 5 | 15 58 | 19 22 | 19 0 | 20 57 | 13 30 | 2 11 |
| F 4 | 22 28 | 17 23 | 1 0 | 20 18 | 3 15 | 23 27 | 0 47 | 20 47 | 5 51 | 21 16 | 0 42 | 22 10 | 1 4 | 19 40 | 0 37 | 6 5 | 1 20 | 3 5 | 15 59 | 19 23 | 18 59 | 20 57 | 13 30 | 2 11 |
| S 5 | 22 20 | 19 29 | 0s 4 | 20 32 | 3 1 | 23 21 | 0 49 | 20 51 | 5 55 | 21 18 | 0 42 | 22 11 | 1 4 | 19 39 | 0 37 | 6 4 | 1 20 | 3 5 | 15 59 | 19 23 | 18 59 | 20 56 | 13 30 | 2 11 |
| S 6 | 22 13 | 20 45 | 1 7 | 20 46 | 2 47 | 23 13 | 0 51 | 20 55 | 5 59 | 21 20 | 0 42 | 22 11 | 1 4 | 19 38 | 0 37 | 6 4 | 1 20 | 3 5 | 15 59 | 19 23 | 18 58 | 20 56 | 13 30 | 2 11 |
| M 7 | 22 4 | 21 6 | 2 7 | 21 0 | 2 33 | 23 5 | 0 53 | 21 0 | 6 3 | 21 21 | 0 43 | 22 12 | 1 4 | 19 37 | 0 37 | 6 3 | 1 20 | 3 5 | 16 0 | 19 22 | 18 57 | 20 56 | 13 30 | 2 11 |
| T 8 | 21 56 | 20 30 | 3 2 | 21 14 | 2 18 | 22 56 | 0 55 | 21 5 | 6 6 | 21 23 | 0 43 | 22 12 | 1 4 | 19 36 | 0 37 | 6 2 | 1 20 | 3 6 | 16 0 | 19 21 | 18 56 | 20 56 | 13 30 | 2 11 |
| W 9 | 21 47 | 18 59 | 3 49 | 21 28 | 2 4 | 22 46 | 0 56 | 21 10 | 6 10 | 21 25 | 0 43 | 22 13 | 1 4 | 19 35 | 0 37 | 6 2 | 1 20 | 3 6 | 16 0 | 19 19 | 18 56 | 20 56 | 13 30 | 2 11 |
| T 10 | 21 38 | 16 37 | 4 26 | 21 42 | 1 49 | 22 36 | 0 58 | 21 15 | 6 14 | 21 26 | 0 43 | 22 13 | 1 4 | 19 35 | 0 37 | 6 1 | 1 20 | 3 6 | 16 1 | 19 17 | 18 55 | 20 56 | 13 30 | 2 11 |
| F 11 | 21 28 | 13 29 | 4 51 | 21 55 | 1 34 | 22 25 | 1 0 | 21 21 | 6 17 | 21 28 | 0 43 | 22 14 | 1 4 | 19 34 | 0 37 | 6 1 | 1 20 | 3 6 | 16 1 | 19 14 | 18 54 | 20 55 | 13 30 | 2 11 |
| S 12 | 21 18 | 9 44 | 5 4 | 22 7 | 1 19 | 22 14 | 1 1 | 21 26 | 6 20 | 21 30 | 0 43 | 22 14 | 1 4 | 19 33 | 0 37 | 6 0 | 1 20 | 3 6 | 16 1 | 19 12 | 18 53 | 20 55 | 13 30 | 2 11 |
| S 13 | 21 7 | 5 30 | 5 1 | 22 18 | 1 4 | 22 1 | 1 3 | 21 32 | 6 23 | 21 31 | 0 43 | 22 14 | 1 4 | 19 32 | 0 37 | 5 59 | 1 20 | 3 6 | 16 1 | 19 9 | 18 52 | 20 55 | 13 30 | 2 11 |
| M14 | 20 57 | 0 58 | 4 43 | 22 28 | 0 50 | 21 48 | 1 5 | 21 37 | 6 26 | 21 33 | 0 44 | 22 15 | 1 4 | 19 31 | 0 37 | 5 59 | 1 20 | 3 7 | 16 2 | 19 7 | 18 52 | 20 55 | 13 30 | 2 11 |
| T 15 | 20 45 | 3s41 | 4 11 | 22 37 | 0 36 | 21 35 | 1 6 | 21 43 | 6 29 | 21 35 | 0 44 | 22 15 | 1 4 | 19 30 | 0 37 | 5 58 | 1 20 | 3 7 | 16 2 | 19 6 | 18 51 | 20 55 | 13 30 | 2 11 |
| W16 | 20 34 | 8 16 | 3 24 | 22 43 | 0 22 | 21 21 | 1 8 | 21 49 | 6 32 | 21 36 | 0 44 | 22 16 | 1 4 | 19 29 | 0 37 | 5 58 | 1 20 | 3 7 | 16 2 | 19 5 | 18 50 | 20 54 | 13 31 | 2 11 |
| T 17 | 20 22 | 12 31 | 2 26 | 22 48 | 0 9 | 21 6 | 1 9 | 21 55 | 6 35 | 21 38 | 0 44 | 22 16 | 1 4 | 19 28 | 0 37 | 5 57 | 1 20 | 3 7 | 16 3 | 19 5 | 18 49 | 20 54 | 13 31 | 2 11 |
| F 18 | 20 10 | 16 12 | 1 17 | 22 51 | 0n 4 | 20 51 | 1 10 | 22 1 | 6 37 | 21 40 | 0 44 | 22 17 | 1 4 | 19 27 | 0 37 | 5 56 | 1 20 | 3 8 | 16 3 | 19 5 | 18 48 | 20 54 | 13 31 | 2 11 |
| S 19 | 19 57 | 19 1 | 0 2 | 22 51 | 0 16 | 20 35 | 1 12 | 22 7 | 6 39 | 21 41 | 0 44 | 22 17 | 1 4 | 19 26 | 0 37 | 5 56 | 1 20 | 3 8 | 16 3 | 19 5 | 18 48 | 20 54 | 13 32 | 2 11 |
| S 20 | 19 44 | 20 40 | 1n14 | 22 49 | 0 28 | 20 18 | 1 13 | 22 13 | 6 42 | 21 43 | 0 44 | 22 17 | 1 4 | 19 25 | 0 37 | 5 55 | 1 20 | 3 8 | 16 4 | 19 5 | 18 47 | 20 54 | 13 32 | 2 11 |
| M21 | 19 31 | 20 58 | 2 26 | 22 45 | 0 39 | 20 1 | 1 14 | 22 19 | 6 44 | 21 44 | 0 45 | 22 18 | 1 4 | 19 24 | 0 37 | 5 54 | 1 20 | 3 8 | 16 4 | 19 4 | 18 46 | 20 53 | 13 32 | 2 11 |
| T 22 | 19 18 | 19 48 | 3 29 | 22 38 | 0 49 | 19 43 | 1 15 | 22 24 | 6 45 | 21 46 | 0 45 | 22 18 | 1 4 | 19 24 | 0 37 | 5 54 | 1 20 | 3 9 | 16 4 | 19 3 | 18 45 | 20 53 | 13 33 | 2 11 |
| W23 | 19 4 | 17 17 | 4 19 | 22 28 | 0 58 | 19 25 | 1 16 | 22 30 | 6 47 | 21 48 | 0 45 | 22 18 | 1 4 | 19 23 | 0 37 | 5 53 | 1 20 | 3 9 | 16 5 | 19 1 | 18 44 | 20 53 | 13 33 | 2 11 |
| T 24 | 18 50 | 13 40 | 4 50 | 22 16 | 1 7 | 19 6 | 1 17 | 22 36 | 6 48 | 21 49 | 0 45 | 22 19 | 1 4 | 19 22 | 0 37 | 5 52 | 1 20 | 3 9 | 16 5 | 18 59 | 18 44 | 20 53 | 13 34 | 2 11 |
| F 25 | 18 35 | 9 17 | 5 2 | 22 0 | 1 14 | 18 46 | 1 18 | 22 42 | 6 50 | 21 51 | 0 45 | 22 19 | 1 4 | 19 21 | 0 37 | 5 51 | 1 20 | 3 9 | 16 5 | 18 56 | 18 43 | 20 52 | 13 34 | 2 11 |
| S 26 | 18 20 | 4 30 | 4 55 | 21 43 | 1 21 | 18 26 | 1 19 | 22 47 | 6 51 | 21 52 | 0 45 | 22 19 | 1 4 | 19 20 | 0 37 | 5 51 | 1 20 | 3 10 | 16 5 | 18 54 | 18 42 | 20 52 | 13 35 | 2 11 |
| S 27 | 18 5 | 0n23 | 4 31 | 21 22 | 1 27 | 18 6 | 1 20 | 22 53 | 6 52 | 21 54 | 0 45 | 22 20 | 1 4 | 19 19 | 0 37 | 5 50 | 1 20 | 3 10 | 16 6 | 18 51 | 18 41 | 20 52 | 13 35 | 2 11 |
| M28 | 17 50 | 5 6 | 3 52 | 20 59 | 1 32 | 17 45 | 1 21 | 22 58 | 6 52 | 21 55 | 0 45 | 22 20 | 1 4 | 19 18 | 0 37 | 5 49 | 1 20 | 3 10 | 16 6 | 18 50 | 18 41 | 20 52 | 13 36 | 2 11 |
| T 29 | 17 34 | 9 26 | 3 3 | 20 34 | 1 37 | 17 24 | 1 22 | 23 4 | 6 53 | 21 56 | 0 45 | 22 20 | 1 4 | 19 17 | 0 37 | 5 48 | 1 20 | 3 11 | 16 6 | 18 49 | 18 40 | 20 51 | 13 37 | 2 11 |
| W30 | 17 18 | 13 14 | 2 6 | 20 7 | 1 40 | 17 2 | 1 22 | 23 9 | 6 53 | 21 58 | 0 45 | 22 21 | 1 4 | 19 16 | 0 37 | 5 48 | 1 20 | 3 11 | 16 7 | 18 48 | 18 39 | 20 51 | 13 37 | 2 11 |
| T 31 | 17n 2 | 16n22 | 1n 5 | 19n37 | 1n43 | 16n39 | 1n23 | 23s14 | 6s53 | 21s59 | 0s46 | 22n21 | 1s 4 | 19n15 | 0n37 | 5n47 | 1n20 | 3s11 | 16s 7 | 18s48 | 18s38 | 20n51 | 13s38 | 2n11 |

Julian Day Number = 2129953.5, Delta T = 16m42s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'54, Lahiri = 11°34'54 Julian Calendar 1 July 1119 == Greg. Calendar 8 July 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## AUGUST 1119 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 0 58 | 13♌49'23 | 23♉25 | 11♌29 | 19♌47 | 13°R56 | 24°R50 | 24♊ 2 | 6♌52 | 18♍33 | 1°R12 | 23°R45 | 23♏ 3 | 19♊30 | 12♏44 | F 1 |
| S 2 | 21 4 55 | 14°47'10 | 5♊15 | 13°30 | 21° 1 | 13♒40 | 24♑43 | 24° 8 | 6°55 | 18°35 | 1♉12 | 23♏45 | 23° 0 | 19°37 | 12°46 | S 2 |
| S 3 | 21 8 51 | 15°44'58 | 17° 3 | 15°30 | 22°16 | 13°25 | 24°36 | 24°14 | 6°59 | 18°37 | 1°12 | 23°43 | 22°56 | 19°44 | 12°49 | S 3 |
| M 4 | 21 12 48 | 16°42'49 | 28°53 | 17°29 | 23°30 | 13° 9 | 24°30 | 24°20 | 7° 3 | 18°39 | 1°12 | 23°39 | 22°53 | 19°50 | 12°52 | M 4 |
| T 5 | 21 16 44 | 17°40'41 | 10♋49 | 19°27 | 24°44 | 12°53 | 24°23 | 24°26 | 7° 7 | 18°41 | 1°12 | 23°32 | 22°50 | 19°57 | 12°55 | T 5 |
| W 6 | 21 20 41 | 18°38'35 | 22°55 | 21°23 | 25°59 | 12°38 | 24°17 | 24°31 | 7°10 | 18°43 | 1°11 | 23°22 | 22°47 | 20° 4 | 12°58 | W 6 |
| T 7 | 21 24 37 | 19°36'31 | 5♌13 | 23°19 | 27°13 | 12°22 | 24°10 | 24°37 | 7°14 | 18°45 | 1°11 | 23°11 | 22°44 | 20°10 | 13° 1 | T 7 |
| F 8 | 21 28 34 | 20°34'28 | 17°44 | 25°13 | 28°27 | 12° 7 | 24° 4 | 24°42 | 7°18 | 18°47 | 1°11 | 22°58 | 22°41 | 20°17 | 13° 4 | F 8 |
| S 9 | 21 32 30 | 21°32'26 | 0♍28 | 27° 7 | 29°42 | 11°53 | 23°58 | 24°48 | 7°21 | 18°49 | 1°11 | 22°44 | 22°37 | 20°24 | 13° 7 | S 9 |
| S 10 | 21 36 27 | 22°30'27 | 13°25 | 28°59 | 0♍56 | 11°39 | 23°52 | 24°53 | 7°25 | 18°51 | 1°10 | 22°32 | 22°34 | 20°30 | 13°10 | S 10 |
| M11 | 21 40 24 | 23°28'29 | 26°35 | 0♍49 | 2°10 | 11°25 | 23°46 | 24°59 | 7°28 | 18°53 | 1°10 | 22°22 | 22°31 | 20°37 | 13°14 | M11 |
| T 12 | 21 44 20 | 24°26'32 | 9♎55 | 2°39 | 3°25 | 11°11 | 23°40 | 25° 4 | 7°32 | 18°55 | 1°10 | 22°14 | 22°28 | 20°43 | 13°17 | T 12 |
| W13 | 21 48 17 | 25°24'37 | 23°25 | 4°27 | 4°39 | 10°58 | 23°35 | 25° 9 | 7°36 | 18°57 | 1° 9 | 22°10 | 22°25 | 20°50 | 13°21 | W13 |
| T 14 | 21 52 13 | 26°22'43 | 7♏ 6 | 6°14 | 5°53 | 10°46 | 23°29 | 25°14 | 7°39 | 18°59 | 1° 9 | 22° 8 | 22°21 | 20°57 | 13°24 | T 14 |
| F 15 | 21 56 10 | 27°20'51 | 20°57 | 8° 0 | 7° 8 | 10°34 | 23°24 | 25°19 | 7°43 | 19° 1 | 1° 9 | 22° 7 | 22°18 | 21° 3 | 13°28 | F 15 |
| S 16 | 22 0 6 | 28°19'00 | 4♐59 | 9°44 | 8°22 | 10°23 | 23°19 | 25°24 | 7°46 | 19° 3 | 1° 8 | 22° 7 | 22°15 | 21°10 | 13°32 | S 16 |
| S 17 | 22 4 3 | 29°17'11 | 19°11 | 11°27 | 9°37 | 10°12 | 23°14 | 25°29 | 7°50 | 19° 6 | 1° 8 | 22° 6 | 22°12 | 21°17 | 13°36 | S 17 |
| M18 | 22 7 59 | 0♍15'23 | 3♑32 | 13° 9 | 10°51 | 10° 2 | 23° 9 | 25°34 | 7°53 | 19° 8 | 1° 7 | 22° 3 | 22° 9 | 21°23 | 13°40 | M18 |
| T 19 | 22 11 56 | 1°13'37 | 17°58 | 14°50 | 12° 5 | 9°53 | 23° 4 | 25°38 | 7°57 | 19°10 | 1° 7 | 21°58 | 22° 6 | 21°30 | 13°44 | T 19 |
| W20 | 22 15 53 | 2°11'53 | 2♒27 | 16°30 | 13°20 | 9°45 | 23° 0 | 25°43 | 8° 0 | 19°12 | 1° 6 | 21°49 | 22° 2 | 21°37 | 13°48 | W20 |
| T 21 | 22 19 49 | 3°10'10 | 16°51 | 18° 9 | 14°34 | 9°37 | 22°56 | 25°48 | 8° 4 | 19°14 | 1° 6 | 21°39 | 21°59 | 21°43 | 13°52 | T 21 |
| F 22 | 22 23 46 | 4° 8'28 | 1♓ 4 | 19°46 | 15°49 | 9°29 | 22°52 | 25°52 | 8° 7 | 19°16 | 1° 5 | 21°27 | 21°56 | 21°50 | 13°57 | F 22 |
| S 23 | 22 27 42 | 5° 6'49 | 15° 1 | 21°22 | 17° 3 | 9°23 | 22°48 | 25°56 | 8°11 | 19°18 | 1° 5 | 21°16 | 21°53 | 21°57 | 14° 1 | S 23 |
| S 24 | 22 31 39 | 6° 5'11 | 28°38 | 22°57 | 18°17 | 9°17 | 22°44 | 26° 1 | 8°14 | 19°21 | 1° 4 | 21° 6 | 21°50 | 22° 3 | 14° 6 | S 24 |
| M25 | 22 35 35 | 7° 3'36 | 11♈51 | 24°31 | 19°32 | 9°12 | 22°40 | 26° 5 | 8°18 | 19°23 | 1° 4 | 20°58 | 21°47 | 22°10 | 14°10 | M25 |
| T 26 | 22 39 32 | 8° 2'02 | 24°42 | 26° 4 | 20°46 | 9° 8 | 22°37 | 26° 9 | 8°21 | 19°25 | 1° 3 | 20°53 | 21°43 | 22°17 | 14°15 | T 26 |
| W27 | 22 43 28 | 9° 0'31 | 7♉12 | 27°36 | 22° 1 | 9° 5 | 22°33 | 26°13 | 8°24 | 19°27 | 1° 2 | 20°50 | 21°40 | 22°23 | 14°20 | W27 |
| T 28 | 22 47 25 | 9°59'02 | 19°24 | 29° 7 | 23°15 | 9° 2 | 22°30 | 26°17 | 8°28 | 19°29 | 1° 2 | 20°D50 | 21°37 | 22°30 | 14°24 | T 28 |
| F 29 | 22 51 22 | 10°57'35 | 1♊23 | 0♎37 | 24°30 | 9° 0 | 22°27 | 26°21 | 8°31 | 19°32 | 1° 1 | 20°50 | 21°34 | 22°37 | 14°29 | F 29 |
| S 30 | 22 55 18 | 11°56'11 | 13°14 | 2° 5 | 25°44 | 8°59 | 22°25 | 26°25 | 8°34 | 19°34 | 1° 0 | 20°R50 | 21°31 | 22°43 | 14°34 | S 30 |
| S 31 | 22 59 15 | 12♍54'48 | 25♊ 3 | 3♎33 | 26♍59 | 8°D59 | 22♑22 | 26♊28 | 8♌37 | 19♍36 | 1♉ 0 | 20♏49 | 21♏27 | 22♊50 | 14♏39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n45 | 18n45 | 0n 2 | 19n 6 | 1n45 | 16n16 | 1n24 | 23s18 | 6s53 | 22s 1 | 0s46 | 22n21 | 1s 4 | 19n14 | 0n37 | 5n46 | 1n20 | 3s12 | 16s 7 | 18s48 | 18s37 | 20n51 | 13s39 | 2n11 |
| S 2 | 16 29 | 20 17 | 1s 1 | 18 32 | 1 46 | 15 53 | 1 24 | 23 23 | 6 53 | 22 2 | 0 46 | 22 21 | 1 4 | 19 13 | 0 37 | 5 45 | 1 20 | 3 12 | 16 8 | 18 48 | 18 36 | 20 50 | 13 40 | 2 11 |
| S 3 | 16 11 | 20 55 | 2 0 | 17 57 | 1 46 | 15 29 | 1 24 | 23 27 | 6 53 | 22 3 | 0 46 | 22 22 | 1 4 | 19 12 | 0 37 | 5 45 | 1 20 | 3 12 | 16 8 | 18 47 | 18 36 | 20 50 | 13 40 | 2 11 |
| M 4 | 15 54 | 20 38 | 2 55 | 17 21 | 1 46 | 15 5 | 1 25 | 23 31 | 6 52 | 22 4 | 0 46 | 22 22 | 1 4 | 19 11 | 0 37 | 5 44 | 1 20 | 3 13 | 16 8 | 18 46 | 18 35 | 20 50 | 13 41 | 2 11 |
| T 5 | 15 36 | 19 25 | 3 42 | 16 43 | 1 45 | 14 40 | 1 25 | 23 35 | 6 51 | 22 6 | 0 46 | 22 22 | 1 4 | 19 11 | 0 37 | 5 43 | 1 20 | 3 13 | 16 9 | 18 45 | 18 34 | 20 50 | 13 42 | 2 11 |
| W 6 | 15 19 | 17 20 | 4 20 | 16 5 | 1 44 | 14 15 | 1 25 | 23 38 | 6 50 | 22 7 | 0 46 | 22 22 | 1 4 | 19 10 | 0 37 | 5 42 | 1 20 | 3 13 | 16 9 | 18 42 | 18 33 | 20 49 | 13 43 | 2 11 |
| T 7 | 15 0 | 14 26 | 4 46 | 15 25 | 1 42 | 13 50 | 1 26 | 23 41 | 6 49 | 22 8 | 0 46 | 22 23 | 1 4 | 19 9 | 0 37 | 5 42 | 1 20 | 3 14 | 16 9 | 18 39 | 18 32 | 20 49 | 13 44 | 2 11 |
| F 8 | 14 42 | 10 51 | 4 59 | 14 44 | 1 39 | 13 24 | 1 26 | 23 44 | 6 47 | 22 9 | 0 46 | 22 23 | 1 4 | 19 8 | 0 37 | 5 41 | 1 20 | 3 14 | 16 9 | 18 36 | 18 32 | 20 49 | 13 45 | 2 11 |
| S 9 | 14 23 | 6 43 | 4 57 | 14 2 | 1 36 | 12 58 | 1 26 | 23 47 | 6 45 | 22 10 | 0 46 | 22 23 | 1 4 | 19 7 | 0 37 | 5 40 | 1 20 | 3 14 | 16 10 | 18 33 | 18 31 | 20 48 | 13 46 | 2 11 |
| S 10 | 14 5 | 2 13 | 4 41 | 13 20 | 1 33 | 12 32 | 1 26 | 23 49 | 6 44 | 22 11 | 0 46 | 22 23 | 1 4 | 19 6 | 0 37 | 5 39 | 1 20 | 3 15 | 16 10 | 18 29 | 18 30 | 20 48 | 13 47 | 2 11 |
| M11 | 13 45 | 2s26 | 4 9 | 12 37 | 1 29 | 12 5 | 1 26 | 23 51 | 6 42 | 22 13 | 0 46 | 22 23 | 1 4 | 19 5 | 0 37 | 5 38 | 1 20 | 3 15 | 16 10 | 18 27 | 18 29 | 20 48 | 13 48 | 2 11 |
| T 12 | 13 26 | 7 3 | 3 23 | 11 54 | 1 25 | 11 38 | 1 25 | 23 53 | 6 39 | 22 14 | 0 46 | 22 24 | 1 4 | 19 4 | 0 37 | 5 37 | 1 20 | 3 15 | 16 11 | 18 25 | 18 28 | 20 47 | 13 49 | 2 11 |
| W13 | 13 7 | 11 23 | 2 26 | 11 10 | 1 20 | 11 10 | 1 25 | 23 55 | 6 37 | 22 15 | 0 46 | 22 24 | 1 4 | 19 3 | 0 37 | 5 37 | 1 20 | 3 16 | 16 11 | 18 24 | 18 28 | 20 47 | 13 50 | 2 11 |
| T 14 | 12 47 | 15 11 | 1 19 | 10 26 | 1 15 | 10 42 | 1 25 | 23 56 | 6 34 | 22 16 | 0 46 | 22 24 | 1 4 | 19 2 | 0 37 | 5 36 | 1 20 | 3 16 | 16 11 | 18 23 | 18 27 | 20 47 | 13 51 | 2 12 |
| F 15 | 12 27 | 18 11 | 0 6 | 9 41 | 1 10 | 10 14 | 1 24 | 23 56 | 6 32 | 22 16 | 0 46 | 22 24 | 1 4 | 19 1 | 0 37 | 5 35 | 1 20 | 3 17 | 16 11 | 18 23 | 18 26 | 20 46 | 13 52 | 2 12 |
| S 16 | 12 7 | 20 7 | 1n 8 | 8 57 | 1 4 | 9 46 | 1 24 | 23 57 | 6 29 | 22 17 | 0 46 | 22 24 | 1 4 | 19 0 | 0 37 | 5 34 | 1 20 | 3 17 | 16 12 | 18 23 | 18 25 | 20 46 | 13 53 | 2 12 |
| S 17 | 11 47 | 20 49 | 2 18 | 8 12 | 0 59 | 9 17 | 1 24 | 23 57 | 6 26 | 22 18 | 0 46 | 22 24 | 1 4 | 19 0 | 0 37 | 5 33 | 1 20 | 3 17 | 16 12 | 18 23 | 18 24 | 20 46 | 13 54 | 2 12 |
| M18 | 11 26 | 20 10 | 3 20 | 7 27 | 0 52 | 8 49 | 1 23 | 23 57 | 6 23 | 22 19 | 0 46 | 22 25 | 1 4 | 18 59 | 0 37 | 5 32 | 1 20 | 3 18 | 16 12 | 18 22 | 18 23 | 20 45 | 13 55 | 2 12 |
| T 19 | 11 5 | 18 12 | 4 10 | 6 42 | 0 46 | 8 20 | 1 22 | 23 56 | 6 19 | 22 20 | 0 46 | 22 25 | 1 4 | 18 58 | 0 37 | 5 32 | 1 20 | 3 18 | 16 13 | 18 21 | 18 23 | 20 45 | 13 57 | 2 12 |
| W20 | 10 44 | 15 5 | 4 44 | 5 57 | 0 39 | 7 50 | 1 22 | 23 55 | 6 16 | 22 21 | 0 47 | 22 25 | 1 4 | 18 57 | 0 37 | 5 31 | 1 20 | 3 19 | 16 13 | 18 18 | 18 22 | 20 45 | 13 58 | 2 12 |
| T 21 | 10 23 | 11 5 | 5 0 | 5 13 | 0 33 | 7 21 | 1 21 | 23 54 | 6 13 | 22 21 | 0 47 | 22 25 | 1 4 | 18 56 | 0 37 | 5 30 | 1 20 | 3 19 | 16 13 | 18 16 | 18 21 | 20 44 | 13 59 | 2 12 |
| F 22 | 10 2 | 6 31 | 4 57 | 4 28 | 0 26 | 6 51 | 1 20 | 23 53 | 6 9 | 22 22 | 0 47 | 22 25 | 1 4 | 18 55 | 0 37 | 5 29 | 1 20 | 3 19 | 16 13 | 18 13 | 18 20 | 20 44 | 14 0 | 2 12 |
| S 23 | 9 41 | 1 41 | 4 36 | 3 43 | 0 19 | 6 21 | 1 19 | 23 51 | 6 5 | 22 23 | 0 47 | 22 25 | 1 4 | 18 54 | 0 37 | 5 28 | 1 20 | 3 20 | 16 14 | 18 10 | 18 19 | 20 44 | 14 2 | 2 12 |
| S 24 | 9 19 | 3n 7 | 4 0 | 2 59 | 0 12 | 5 51 | 1 18 | 23 49 | 6 2 | 22 23 | 0 47 | 22 25 | 1 4 | 18 53 | 0 37 | 5 27 | 1 20 | 3 20 | 16 14 | 18 7 | 18 19 | 20 43 | 14 3 | 2 12 |
| M25 | 8 58 | 7 38 | 3 11 | 2 15 | 0 4 | 5 21 | 1 17 | 23 47 | 5 58 | 22 24 | 0 47 | 22 25 | 1 4 | 18 53 | 0 37 | 5 26 | 1 20 | 3 21 | 16 14 | 18 5 | 18 18 | 20 43 | 14 4 | 2 12 |
| T 26 | 8 36 | 11 41 | 2 14 | 1 31 | 0s 3 | 4 50 | 1 16 | 23 44 | 5 54 | 22 25 | 0 47 | 22 26 | 1 4 | 18 52 | 0 37 | 5 26 | 1 20 | 3 21 | 16 14 | 18 4 | 18 17 | 20 43 | 14 6 | 2 12 |
| W27 | 8 14 | 15 7 | 1 12 | 0 48 | 0 11 | 4 20 | 1 15 | 23 41 | 5 50 | 22 25 | 0 47 | 22 26 | 1 4 | 18 51 | 0 37 | 5 25 | 1 20 | 3 22 | 16 15 | 18 3 | 18 16 | 20 42 | 14 7 | 2 12 |
| T 28 | 7 52 | 17 47 | 0 8 | 0 4 | 0 18 | 3 49 | 1 14 | 23 38 | 5 46 | 22 26 | 0 47 | 22 26 | 1 4 | 18 50 | 0 37 | 5 24 | 1 20 | 3 22 | 16 15 | 18 3 | 18 15 | 20 42 | 14 8 | 2 12 |
| F 29 | 7 29 | 19 37 | 0s56 | 0s39 | 0 26 | 3 18 | 1 13 | 23 35 | 5 42 | 22 26 | 0 47 | 22 26 | 1 4 | 18 49 | 0 37 | 5 23 | 1 20 | 3 23 | 16 15 | 18 3 | 18 14 | 20 41 | 14 10 | 2 12 |
| S 30 | 7 7 | 20 34 | 1 56 | 1 21 | 0 34 | 2 48 | 1 11 | 23 31 | 5 38 | 22 27 | 0 47 | 22 26 | 1 4 | 18 48 | 0 37 | 5 22 | 1 20 | 3 23 | 16 15 | 18 3 | 18 14 | 20 41 | 14 11 | 2 12 |
| S 31 | 6n45 | 20n36 | 2s52 | 2s 3 | 0s42 | 2n17 | 1n10 | 23s27 | 5s33 | 22s27 | 0s47 | 22n26 | 1s 4 | 18n47 | 0n37 | 5n21 | 1n20 | 3s23 | 16s16 | 18s 3 | 18s13 | 20n41 | 14s13 | 2n12 |

Julian Day Number = 2129984.5, Delta T = 16m42s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°27'58, Lahiri = 11°34'58 Julian Calendar 1 Aug. 1119 == Greg. Calendar 8 Aug. 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## SEPTEMBER 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 3 11 | 13♍53'28 | 6♋55 | 4♎59 | 28♍13 | 8♒59 | 22°R20 | 26♊32 | 8♌41 | 19♍38 | 0°R59 | 20°R47 | 21♏24 | 22♊57 | 14♏44 | M 1 |
| T 2 | 23 7 8 | 14°52'11 | 18°55 | 6°24 | 29°27 | 9° 1 | 22♑18 | 26°35 | 8°44 | 19°41 | 0♉58 | 20♏42 | 21°21 | 23° 3 | 14°50 | T 2 |
| W 3 | 23 11 4 | 15°50'55 | 1♌ 7 | 7°48 | 0♎42 | 9° 3 | 22°16 | 26°39 | 8°47 | 19°43 | 0°58 | 20°34 | 21°18 | 23°10 | 14°55 | W 3 |
| T 4 | 23 15 1 | 16°49'41 | 13°34 | 9°11 | 1°56 | 9° 6 | 22°14 | 26°42 | 8°50 | 19°45 | 0°57 | 20°25 | 21°15 | 23°17 | 15° 0 | T 4 |
| F 5 | 23 18 57 | 17°48'30 | 26°18 | 10°33 | 3°11 | 9° 9 | 22°13 | 26°45 | 8°53 | 19°47 | 0°56 | 20°14 | 21°12 | 23°23 | 15° 6 | F 5 |
| S 6 | 23 22 54 | 18°47'21 | 9♍19 | 11°54 | 4°25 | 9°14 | 22°11 | 26°48 | 8°56 | 19°49 | 0°55 | 20° 3 | 21° 8 | 23°30 | 15°11 | S 6 |
| S 7 | 23 26 50 | 19°46'14 | 22°37 | 13°13 | 5°40 | 9°19 | 22°10 | 26°51 | 8°59 | 19°52 | 0°54 | 19°53 | 21° 5 | 23°37 | 15°17 | S 7 |
| M 8 | 23 30 47 | 20°45'09 | 6♎ 9 | 14°31 | 6°54 | 9°25 | 22° 9 | 26°54 | 9° 2 | 19°54 | 0°54 | 19°44 | 21° 2 | 23°43 | 15°22 | M 8 |
| T 9 | 23 34 44 | 21°44'06 | 19°54 | 15°47 | 8° 9 | 9°32 | 22° 8 | 26°57 | 9° 5 | 19°56 | 0°53 | 19°38 | 20°59 | 23°50 | 15°28 | T 9 |
| W10 | 23 38 40 | 22°43'05 | 3♏47 | 17° 2 | 9°23 | 9°40 | 22° 8 | 26°59 | 9° 8 | 19°58 | 0°52 | 19°35 | 20°56 | 23°57 | 15°34 | W10 |
| T 11 | 23 42 37 | 23°42'05 | 17°47 | 18°16 | 10°38 | 9°48 | 22° 7 | 27° 2 | 9°11 | 20° 1 | 0°51 | 19°D34 | 20°53 | 24° 3 | 15°39 | T 11 |
| F 12 | 23 46 33 | 24°41'08 | 1♐51 | 19°27 | 11°52 | 9°57 | 22°D 7 | 27° 4 | 9°14 | 20° 3 | 0°50 | 19°34 | 20°49 | 24°10 | 15°45 | F 12 |
| S 13 | 23 50 30 | 25°40'12 | 15°57 | 20°37 | 13° 6 | 10° 7 | 22° 7 | 27° 7 | 9°17 | 20° 5 | 0°49 | 19°35 | 20°46 | 24°17 | 15°51 | S 13 |
| S 14 | 23 54 26 | 26°39'19 | 0♑ 6 | 21°46 | 14°21 | 10°18 | 22° 7 | 27° 9 | 9°20 | 20° 7 | 0°48 | 19°R35 | 20°43 | 24°23 | 15°57 | S 14 |
| M15 | 23 58 23 | 27°38'27 | 14°14 | 22°52 | 15°35 | 10°29 | 22° 8 | 27°11 | 9°22 | 20°10 | 0°47 | 19°34 | 20°40 | 24°30 | 16° 3 | M15 |
| T 16 | 0 2 19 | 28°37'36 | 28°21 | 23°56 | 16°50 | 10°41 | 22° 9 | 27°13 | 9°25 | 20°12 | 0°47 | 19°31 | 20°37 | 24°37 | 16° 9 | T 16 |
| W17 | 0 6 16 | 29°36'48 | 12♒25 | 24°57 | 18° 4 | 10°54 | 22° 9 | 27°15 | 9°28 | 20°14 | 0°46 | 19°25 | 20°33 | 24°43 | 16°16 | W17 |
| T 18 | 0 10 13 | 0♎36'01 | 26°21 | 25°56 | 19°19 | 11° 7 | 22°10 | 27°17 | 9°31 | 20°16 | 0°45 | 19°18 | 20°30 | 24°50 | 16°22 | T 18 |
| F 19 | 0 14 9 | 1°35'17 | 10♓ 8 | 26°53 | 20°33 | 11°21 | 22°12 | 27°19 | 9°33 | 20°18 | 0°44 | 19°10 | 20°27 | 24°57 | 16°28 | F 19 |
| S 20 | 0 18 6 | 2°34'34 | 23°41 | 27°46 | 21°47 | 11°36 | 22°13 | 27°20 | 9°36 | 20°21 | 0°43 | 19° 2 | 20°24 | 25° 3 | 16°34 | S 20 |
| S 21 | 0 22 2 | 3°33'53 | 6♈59 | 28°36 | 23° 2 | 11°51 | 22°15 | 27°22 | 9°38 | 20°23 | 0°42 | 18°55 | 20°21 | 25°10 | 16°41 | S 21 |
| M22 | 0 25 59 | 4°33'14 | 19°58 | 29°22 | 24°16 | 12° 7 | 22°16 | 27°23 | 9°41 | 20°25 | 0°41 | 18°50 | 20°18 | 25°17 | 16°47 | M22 |
| T 23 | 0 29 55 | 5°32'38 | 2♉40 | 0♏ 5 | 25°31 | 12°23 | 22°18 | 27°24 | 9°43 | 20°27 | 0°40 | 18°46 | 20°14 | 25°23 | 16°54 | T 23 |
| W24 | 0 33 52 | 6°32'04 | 15° 4 | 0°43 | 26°45 | 12°40 | 22°21 | 27°26 | 9°46 | 20°29 | 0°39 | 18°D45 | 20°11 | 25°30 | 17° 0 | W24 |
| T 25 | 0 37 48 | 7°31'32 | 27°14 | 1°16 | 27°59 | 12°58 | 22°23 | 27°27 | 9°48 | 20°31 | 0°38 | 18°45 | 20° 8 | 25°37 | 17° 7 | T 25 |
| F 26 | 0 41 45 | 8°31'02 | 9♊13 | 1°44 | 29°14 | 13°16 | 22°26 | 27°28 | 9°51 | 20°34 | 0°37 | 18°46 | 20° 5 | 25°43 | 17°13 | F 26 |
| S 27 | 0 45 42 | 9°30'35 | 21° 4 | 2° 6 | 0♏28 | 13°35 | 22°28 | 27°28 | 9°53 | 20°36 | 0°36 | 18°48 | 20° 2 | 25°50 | 17°20 | S 27 |
| S 28 | 0 49 38 | 10°30'10 | 2♋53 | 2°23 | 1°43 | 13°54 | 22°31 | 27°29 | 9°55 | 20°38 | 0°35 | 18°49 | 19°58 | 25°57 | 17°27 | S 28 |
| M29 | 0 53 35 | 11°29'47 | 14°46 | 2°32 | 2°57 | 14°14 | 22°34 | 27°30 | 9°57 | 20°40 | 0°34 | 18°R50 | 19°55 | 26° 3 | 17°34 | M29 |
| T 30 | 0 57 31 | 12♎29'27 | 26♋46 | 2°R34 | 4♏11 | 14♒34 | 22♑38 | 27♊30 | 10♌ 0 | 20♍42 | 0♉33 | 18♏48 | 19♏52 | 26♊10 | 17♏40 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n22 | 19n43 | 3s40 | 2s45 | 0s49 | 1n46 | 1n 9 | 23s23 | 5s29 | 22s27 | 0s47 | 22n26 | 1s 4 | 18n47 | 0n37 | 5n20 | 1n20 | 3s24 | 16s16 | 18s 2 | 18s12 | 20n40 | 14s14 | 2n12 |
| T 2 | 5 59 | 17 56 | 4 19 | 3 26 | 0 57 | 1 14 | 1 7 | 23 18 | 5 25 | 22 28 | 0 47 | 22 26 | 1 4 | 18 46 | 0 37 | 5 19 | 1 20 | 3 24 | 16 16 | 18 1 | 18 11 | 20 40 | 14 15 | 2 12 |
| W 3 | 5 36 | 15 21 | 4 47 | 4 6 | 1 5 | 0 43 | 1 6 | 23 13 | 5 20 | 22 28 | 0 47 | 22 26 | 1 4 | 18 45 | 0 37 | 5 19 | 1 20 | 3 25 | 16 16 | 17 59 | 18 10 | 20 39 | 14 17 | 2 12 |
| T 4 | 5 13 | 12 1 | 5 2 | 4 46 | 1 13 | 0 12 | 1 4 | 23 8 | 5 16 | 22 28 | 0 47 | 22 26 | 1 4 | 18 44 | 0 37 | 5 18 | 1 20 | 3 25 | 16 17 | 17 56 | 18 9 | 20 39 | 14 19 | 2 12 |
| F 5 | 4 50 | 8 4 | 5 2 | 5 26 | 1 20 | 0s19 | 1 2 | 23 3 | 5 12 | 22 29 | 0 47 | 22 26 | 1 4 | 18 43 | 0 37 | 5 17 | 1 20 | 3 26 | 16 17 | 17 53 | 18 9 | 20 39 | 14 20 | 2 12 |
| S 6 | 4 27 | 3 41 | 4 47 | 6 4 | 1 28 | 0 50 | 1 1 | 22 58 | 5 7 | 22 29 | 0 47 | 22 26 | 1 4 | 18 43 | 0 37 | 5 16 | 1 20 | 3 26 | 16 17 | 17 50 | 18 8 | 20 38 | 14 22 | 2 12 |
| S 7 | 4 4 | 0s59 | 4 16 | 6 43 | 1 36 | 1 22 | 0 59 | 22 52 | 5 3 | 22 29 | 0 47 | 22 26 | 1 5 | 18 42 | 0 37 | 5 15 | 1 20 | 3 27 | 16 17 | 17 47 | 18 7 | 20 38 | 14 23 | 2 12 |
| M 8 | 3 41 | 5 40 | 3 31 | 7 20 | 1 43 | 1 53 | 0 57 | 22 46 | 4 59 | 22 29 | 0 46 | 22 26 | 1 5 | 18 41 | 0 37 | 5 14 | 1 20 | 3 27 | 16 17 | 17 45 | 18 6 | 20 37 | 14 25 | 2 12 |
| T 9 | 3 18 | 10 9 | 2 32 | 7 57 | 1 51 | 2 24 | 0 55 | 22 40 | 4 54 | 22 29 | 0 46 | 22 26 | 1 5 | 18 40 | 0 38 | 5 13 | 1 20 | 3 28 | 16 18 | 17 44 | 18 5 | 20 37 | 14 26 | 2 12 |
| W10 | 2 54 | 14 9 | 1 24 | 8 32 | 1 58 | 2 55 | 0 53 | 22 34 | 4 50 | 22 29 | 0 46 | 22 26 | 1 5 | 18 40 | 0 38 | 5 13 | 1 20 | 3 28 | 16 18 | 17 43 | 18 4 | 20 36 | 14 28 | 2 12 |
| T 11 | 2 31 | 17 22 | 0 10 | 9 7 | 2 5 | 3 26 | 0 51 | 22 27 | 4 45 | 22 29 | 0 46 | 22 26 | 1 5 | 18 39 | 0 38 | 5 12 | 1 20 | 3 28 | 16 18 | 17 42 | 18 3 | 20 36 | 14 30 | 2 12 |
| F 12 | 2 7 | 19 33 | 1n 6 | 9 41 | 2 12 | 3 57 | 0 49 | 22 20 | 4 41 | 22 29 | 0 46 | 22 27 | 1 5 | 18 38 | 0 38 | 5 11 | 1 20 | 3 29 | 16 18 | 17 42 | 18 3 | 20 36 | 14 31 | 2 12 |
| S 13 | 1 44 | 20 32 | 2 17 | 10 14 | 2 19 | 4 28 | 0 47 | 22 14 | 4 37 | 22 29 | 0 46 | 22 27 | 1 5 | 18 37 | 0 38 | 5 10 | 1 20 | 3 29 | 16 18 | 17 43 | 18 2 | 20 35 | 14 33 | 2 13 |
| S 14 | 1 20 | 20 13 | 3 20 | 10 46 | 2 26 | 4 59 | 0 45 | 22 6 | 4 32 | 22 29 | 0 46 | 22 27 | 1 5 | 18 37 | 0 38 | 5 9 | 1 20 | 3 30 | 16 18 | 17 43 | 18 1 | 20 35 | 14 35 | 2 13 |
| M15 | 0 57 | 18 37 | 4 11 | 11 17 | 2 32 | 5 30 | 0 43 | 21 59 | 4 28 | 22 29 | 0 46 | 22 27 | 1 5 | 18 36 | 0 38 | 5 8 | 1 20 | 3 30 | 16 19 | 17 42 | 18 0 | 20 34 | 14 36 | 2 13 |
| T 16 | 0 33 | 15 54 | 4 47 | 11 47 | 2 39 | 6 1 | 0 41 | 21 52 | 4 24 | 22 29 | 0 46 | 22 27 | 1 5 | 18 35 | 0 38 | 5 7 | 1 20 | 3 31 | 16 19 | 17 42 | 17 59 | 20 34 | 14 38 | 2 13 |
| W17 | 0 9 | 12 17 | 5 5 | 12 15 | 2 45 | 6 31 | 0 39 | 21 44 | 4 19 | 22 29 | 0 46 | 22 27 | 1 5 | 18 34 | 0 38 | 5 6 | 1 20 | 3 31 | 16 19 | 17 40 | 17 58 | 20 33 | 14 40 | 2 13 |
| T 18 | 0s14 | 8 0 | 5 5 | 12 42 | 2 50 | 7 2 | 0 36 | 21 36 | 4 15 | 22 29 | 0 46 | 22 27 | 1 5 | 18 34 | 0 38 | 5 6 | 1 20 | 3 32 | 16 19 | 17 38 | 17 58 | 20 33 | 14 41 | 2 13 |
| F 19 | 0 38 | 3 22 | 4 47 | 13 8 | 2 55 | 7 32 | 0 34 | 21 28 | 4 11 | 22 28 | 0 46 | 22 27 | 1 5 | 18 33 | 0 38 | 5 5 | 1 20 | 3 32 | 16 19 | 17 36 | 17 57 | 20 32 | 14 43 | 2 13 |
| S 20 | 1 2 | 1n22 | 4 13 | 13 32 | 3 0 | 8 2 | 0 32 | 21 20 | 4 6 | 22 28 | 0 46 | 22 27 | 1 5 | 18 32 | 0 38 | 5 4 | 1 20 | 3 33 | 16 19 | 17 34 | 17 56 | 20 32 | 14 45 | 2 13 |
| S 21 | 1 25 | 5 56 | 3 26 | 13 54 | 3 5 | 8 32 | 0 29 | 21 11 | 4 2 | 22 28 | 0 46 | 22 27 | 1 5 | 18 32 | 0 38 | 5 3 | 1 20 | 3 33 | 16 20 | 17 32 | 17 55 | 20 31 | 14 46 | 2 13 |
| M22 | 1 49 | 10 9 | 2 29 | 14 14 | 3 9 | 9 2 | 0 27 | 21 3 | 3 58 | 22 28 | 0 46 | 22 27 | 1 5 | 18 31 | 0 38 | 5 2 | 1 20 | 3 33 | 16 20 | 17 30 | 17 54 | 20 31 | 14 48 | 2 13 |
| T 23 | 2 13 | 13 48 | 1 26 | 14 33 | 3 12 | 9 32 | 0 25 | 20 54 | 3 54 | 22 27 | 0 46 | 22 27 | 1 5 | 18 30 | 0 38 | 5 1 | 1 20 | 3 34 | 16 20 | 17 29 | 17 53 | 20 30 | 14 50 | 2 13 |
| W24 | 2 36 | 16 45 | 0 20 | 14 49 | 3 15 | 10 1 | 0 22 | 20 45 | 3 50 | 22 27 | 0 46 | 22 27 | 1 5 | 18 30 | 0 38 | 5 0 | 1 20 | 3 34 | 16 20 | 17 29 | 17 52 | 20 30 | 14 52 | 2 13 |
| T 25 | 3 0 | 18 53 | 0s46 | 15 2 | 3 17 | 10 30 | 0 20 | 20 36 | 3 46 | 22 26 | 0 46 | 22 27 | 1 5 | 18 29 | 0 38 | 5 0 | 1 20 | 3 35 | 16 20 | 17 29 | 17 52 | 20 29 | 14 54 | 2 13 |
| F 26 | 3 24 | 20 8 | 1 49 | 15 13 | 3 18 | 10 59 | 0 17 | 20 27 | 3 42 | 22 26 | 0 46 | 22 27 | 1 5 | 18 29 | 0 38 | 4 59 | 1 20 | 3 35 | 16 20 | 17 29 | 17 51 | 20 29 | 14 55 | 2 13 |
| S 27 | 3 47 | 20 28 | 2 47 | 15 21 | 3 18 | 11 28 | 0 15 | 20 18 | 3 38 | 22 25 | 0 46 | 22 27 | 1 5 | 18 28 | 0 38 | 4 58 | 1 20 | 3 36 | 16 20 | 17 30 | 17 50 | 20 28 | 14 57 | 2 14 |
| S 28 | 4 11 | 19 54 | 3 37 | 15 26 | 3 17 | 11 56 | 0 12 | 20 9 | 3 34 | 22 25 | 0 46 | 22 27 | 1 5 | 18 27 | 0 38 | 4 57 | 1 20 | 3 36 | 16 20 | 17 30 | 17 49 | 20 28 | 14 59 | 2 14 |
| M29 | 4 34 | 18 27 | 4 19 | 15 28 | 3 16 | 12 24 | 0 9 | 19 59 | 3 30 | 22 24 | 0 46 | 22 27 | 1 5 | 18 27 | 0 38 | 4 56 | 1 20 | 3 37 | 16 20 | 17 30 | 17 48 | 20 27 | 15 1 | 2 14 |
| T 30 | 4s57 | 16n10 | 4s49 | 15s26 | 3s13 | 12s52 | 0n 7 | 19s49 | 3s26 | 22s24 | 0s46 | 22n27 | 1s 5 | 18n26 | 0n38 | 4n56 | 1n20 | 3s37 | 16s21 | 17s30 | 17s47 | 20n27 | 15s 2 | 2n14 |

Julian Day Number = 2130015.5, Delta T = 16m42s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'02, Lahiri = 11°35'03 Julian Calendar 1 Sept. 1119 == Greg. Calendar 8 Sept. 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## OCTOBER 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 1 28 | 13♎29'08 | 8♌59 | 2°R28 | 5♏26 | 14♒55 | 22♑41 | 27♊31 | 10♌ 2 | 20♍44 | 0°R31 | 18°R46 | 19♏49 | 26♊17 | 17♏47 | W 1 |
| T 2 | 1 5 24 | 14°28'53 | 21°29 | 2♏14 | 6°40 | 15°16 | 22°45 | 27°31 | 10° 4 | 20°46 | 0♉30 | 18♏41 | 19°46 | 26°24 | 17°54 | T 2 |
| F 3 | 1 9 21 | 15°28'39 | 4♍19 | 1°52 | 7°55 | 15°38 | 22°49 | 27°31 | 10° 6 | 20°48 | 0°29 | 18°36 | 19°43 | 26°30 | 18° 1 | F 3 |
| S 4 | 1 13 17 | 16°28'28 | 17°30 | 1°20 | 9° 9 | 16° 0 | 22°53 | 27°R31 | 10° 8 | 20°50 | 0°28 | 18°31 | 19°39 | 26°37 | 18° 8 | S 4 |
| S 5 | 1 17 14 | 17°28'18 | 1♎ 4 | 0°40 | 10°23 | 16°23 | 22°57 | 27°31 | 10°10 | 20°52 | 0°27 | 18°26 | 19°36 | 26°44 | 18°15 | S 5 |
| M 6 | 1 21 10 | 18°28'11 | 14°56 | 29♎50 | 11°38 | 16°46 | 23° 2 | 27°31 | 10°12 | 20°55 | 0°26 | 18°22 | 19°33 | 26°50 | 18°22 | M 6 |
| T 7 | 1 25 7 | 19°28'06 | 29° 5 | 28°53 | 12°52 | 17°10 | 23° 6 | 27°31 | 10°14 | 20°57 | 0°25 | 18°19 | 19°30 | 26°57 | 18°29 | T 7 |
| W 8 | 1 29 4 | 20°28'03 | 13♏26 | 27°48 | 14° 6 | 17°34 | 23°11 | 27°30 | 10°15 | 20°59 | 0°24 | 18°D18 | 19°27 | 27° 4 | 18°36 | W 8 |
| T 9 | 1 33 0 | 21°28'01 | 27°53 | 26°37 | 15°21 | 17°59 | 23°16 | 27°30 | 10°17 | 21° 1 | 0°23 | 18°18 | 19°24 | 27°10 | 18°44 | T 9 |
| F 10 | 1 36 57 | 22°28'02 | 12♐21 | 25°22 | 16°35 | 18°24 | 23°21 | 27°29 | 10°19 | 21° 3 | 0°22 | 18°19 | 19°20 | 27°17 | 18°51 | F 10 |
| S 11 | 1 40 53 | 23°28'04 | 26°45 | 24° 5 | 17°49 | 18°49 | 23°27 | 27°28 | 10°20 | 21° 4 | 0°20 | 18°20 | 19°17 | 27°24 | 18°58 | S 11 |
| S 12 | 1 44 50 | 24°28'08 | 11♑ 3 | 22°48 | 19° 4 | 19°15 | 23°32 | 27°28 | 10°22 | 21° 6 | 0°19 | 18°22 | 19°14 | 27°30 | 19° 5 | S 12 |
| M13 | 1 48 46 | 25°28'14 | 25°12 | 21°34 | 20°18 | 19°41 | 23°38 | 27°27 | 10°24 | 21° 8 | 0°18 | 18°R22 | 19°11 | 27°37 | 19°13 | M13 |
| T 14 | 1 52 43 | 26°28'21 | 9♒10 | 20°24 | 21°32 | 20° 7 | 23°44 | 27°26 | 10°25 | 21°10 | 0°17 | 18°22 | 19° 8 | 27°44 | 19°20 | T 14 |
| W15 | 1 56 39 | 27°28'29 | 22°56 | 19°22 | 22°46 | 20°34 | 23°50 | 27°24 | 10°27 | 21°12 | 0°16 | 18°20 | 19° 4 | 27°50 | 19°27 | W15 |
| T 16 | 2 0 36 | 28°28'39 | 6♓30 | 18°28 | 24° 1 | 21° 1 | 23°56 | 27°23 | 10°28 | 21°14 | 0°15 | 18°18 | 19° 1 | 27°57 | 19°35 | T 16 |
| F 17 | 2 4 33 | 29°28'51 | 19°50 | 17°44 | 25°15 | 21°29 | 24° 2 | 27°22 | 10°29 | 21°16 | 0°14 | 18°15 | 18°58 | 28° 4 | 19°42 | F 17 |
| S 18 | 2 8 29 | 0♏29'04 | 2♈58 | 17°12 | 26°29 | 21°57 | 24° 9 | 27°20 | 10°31 | 21°18 | 0°13 | 18°12 | 18°55 | 28°10 | 19°49 | S 18 |
| S 19 | 2 12 26 | 1°29'19 | 15°51 | 16°51 | 27°43 | 22°25 | 24°15 | 27°19 | 10°32 | 21°20 | 0°11 | 18°10 | 18°52 | 28°17 | 19°57 | S 19 |
| M20 | 2 16 22 | 2°29'36 | 28°31 | 16°D42 | 28°58 | 22°54 | 24°22 | 27°17 | 10°33 | 21°21 | 0°10 | 18° 8 | 18°49 | 28°24 | 20° 4 | M20 |
| T 21 | 2 20 19 | 3°29'54 | 10♉58 | 16°45 | 0♐12 | 23°22 | 24°29 | 27°15 | 10°34 | 21°23 | 0° 9 | 18° 7 | 18°45 | 28°30 | 20°12 | T 21 |
| W22 | 2 24 15 | 4°30'15 | 23°13 | 16°58 | 1°26 | 23°52 | 24°36 | 27°13 | 10°35 | 21°25 | 0° 8 | 18°D 7 | 18°42 | 28°37 | 20°19 | W22 |
| T 23 | 2 28 12 | 5°30'37 | 5♊17 | 17°21 | 2°40 | 24°21 | 24°43 | 27°11 | 10°36 | 21°27 | 0° 7 | 18° 8 | 18°39 | 28°44 | 20°27 | T 23 |
| F 24 | 2 32 8 | 6°31'01 | 17°13 | 17°54 | 3°54 | 24°51 | 24°51 | 27° 9 | 10°37 | 21°28 | 0° 6 | 18° 9 | 18°36 | 28°50 | 20°34 | F 24 |
| S 25 | 2 36 5 | 7°31'27 | 29° 4 | 18°35 | 5° 9 | 25°21 | 24°59 | 27° 7 | 10°38 | 21°30 | 0° 5 | 18°10 | 18°33 | 28°57 | 20°42 | S 25 |
| S 26 | 2 40 2 | 8°31'55 | 10♋53 | 19°23 | 6°23 | 25°51 | 25° 6 | 27° 4 | 10°39 | 21°32 | 0° 4 | 18°11 | 18°30 | 29° 4 | 20°50 | S 26 |
| M27 | 2 43 58 | 9°32'24 | 22°44 | 20°18 | 7°37 | 26°21 | 25°14 | 27° 2 | 10°40 | 21°33 | 0° 2 | 18°12 | 18°26 | 29°10 | 20°57 | M27 |
| T 28 | 2 47 55 | 10°32'56 | 4♌43 | 21°19 | 8°51 | 26°52 | 25°22 | 26°59 | 10°41 | 21°35 | 0° 1 | 18°12 | 18°23 | 29°17 | 21° 5 | T 28 |
| W29 | 2 51 51 | 11°33'29 | 16°54 | 22°25 | 10° 5 | 27°23 | 25°30 | 26°57 | 10°41 | 21°37 | 0° 0 | 18°R12 | 18°20 | 29°24 | 21°12 | W29 |
| T 30 | 2 55 48 | 12°34'04 | 29°20 | 23°35 | 11°19 | 27°54 | 25°39 | 26°54 | 10°42 | 21°38 | 29♈59 | 18°12 | 18°17 | 29°30 | 21°20 | T 30 |
| F 31 | 2 59 44 | 13♏34'41 | 12♍ 8 | 24♎49 | 12♐33 | 28♒26 | 25♑47 | 26♊51 | 10♌43 | 21♍40 | 29♈58 | 18♏12 | 18♏14 | 29♊37 | 21♏28 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s21 | 13n 9 | 5s 8 | 15s20 | 3s 8 | 13s20 | 0n 4 | 19s39 | 3s22 | 22s23 | 0s46 | 22n26 | 1s 5 | 18n26 | 0n38 | 4n55 | 1n20 | 3s37 | 16s21 | 17s29 | 17s46 | 20n26 | 15s 4 | 2n14 |
| T 2 | 5 44 | 9 29 | 5 12 | 15 9 | 3 2 | 13 47 | 0 2 | 19 29 | 3 18 | 22 22 | 0 46 | 22 26 | 1 5 | 18 25 | 0 38 | 4 54 | 1 20 | 3 38 | 16 21 | 17 28 | 17 46 | 20 26 | 15 6 | 2 14 |
| F 3 | 6 7 | 5 18 | 5 0 | 14 55 | 2 55 | 14 14 | 0s 1 | 19 19 | 3 15 | 22 22 | 0 46 | 22 26 | 1 5 | 18 25 | 0 38 | 4 53 | 1 20 | 3 38 | 16 21 | 17 27 | 17 45 | 20 25 | 15 8 | 2 14 |
| S 4 | 6 30 | 0 46 | 4 33 | 14 35 | 2 46 | 14 40 | 0 4 | 19 9 | 3 11 | 22 21 | 0 46 | 22 26 | 1 5 | 18 24 | 0 38 | 4 52 | 1 20 | 3 39 | 16 21 | 17 25 | 17 44 | 20 25 | 15 10 | 2 14 |
| S 5 | 6 53 | 3s56 | 3 50 | 14 10 | 2 35 | 15 6 | 0 6 | 18 58 | 3 7 | 22 20 | 0 46 | 22 26 | 1 5 | 18 24 | 0 38 | 4 52 | 1 20 | 3 39 | 16 21 | 17 24 | 17 43 | 20 24 | 15 12 | 2 14 |
| M 6 | 7 16 | 8 34 | 2 53 | 13 41 | 2 22 | 15 32 | 0 9 | 18 48 | 3 4 | 22 20 | 0 46 | 22 26 | 1 5 | 18 23 | 0 38 | 4 51 | 1 20 | 3 40 | 16 21 | 17 22 | 17 42 | 20 24 | 15 13 | 2 14 |
| T 7 | 7 39 | 12 49 | 1 44 | 13 7 | 2 8 | 15 58 | 0 12 | 18 37 | 3 0 | 22 19 | 0 46 | 22 26 | 1 5 | 18 23 | 0 38 | 4 50 | 1 20 | 3 40 | 16 21 | 17 22 | 17 41 | 20 23 | 15 15 | 2 15 |
| W 8 | 8 2 | 16 22 | 0 27 | 12 28 | 1 52 | 16 23 | 0 14 | 18 26 | 2 56 | 22 18 | 0 46 | 22 26 | 1 5 | 18 22 | 0 39 | 4 49 | 1 20 | 3 40 | 16 21 | 17 21 | 17 40 | 20 22 | 15 17 | 2 15 |
| T 9 | 8 25 | 18 56 | 0n52 | 11 46 | 1 34 | 16 47 | 0 17 | 18 15 | 2 53 | 22 17 | 0 45 | 22 26 | 1 5 | 18 22 | 0 39 | 4 48 | 1 20 | 3 41 | 16 21 | 17 21 | 17 40 | 20 22 | 15 19 | 2 15 |
| F 10 | 8 47 | 20 15 | 2 8 | 11 1 | 1 15 | 17 11 | 0 20 | 18 4 | 2 49 | 22 16 | 0 45 | 22 26 | 1 5 | 18 21 | 0 39 | 4 48 | 1 20 | 3 41 | 16 21 | 17 22 | 17 39 | 20 21 | 15 21 | 2 15 |
| S 11 | 9 9 | 20 15 | 3 16 | 10 14 | 0 55 | 17 35 | 0 23 | 17 53 | 2 46 | 22 15 | 0 45 | 22 26 | 1 5 | 18 21 | 0 39 | 4 47 | 1 20 | 3 42 | 16 21 | 17 22 | 17 38 | 20 21 | 15 23 | 2 15 |
| S 12 | 9 32 | 18 55 | 4 11 | 9 26 | 0 34 | 17 58 | 0 25 | 17 41 | 2 42 | 22 14 | 0 45 | 22 26 | 1 5 | 18 21 | 0 39 | 4 46 | 1 20 | 3 42 | 16 21 | 17 23 | 17 37 | 20 20 | 15 25 | 2 15 |
| M13 | 9 54 | 16 27 | 4 50 | 8 39 | 0 13 | 18 21 | 0 28 | 17 30 | 2 39 | 22 13 | 0 45 | 22 26 | 1 5 | 18 20 | 0 39 | 4 45 | 1 20 | 3 42 | 16 21 | 17 23 | 17 36 | 20 20 | 15 26 | 2 15 |
| T 14 | 10 16 | 13 3 | 5 11 | 7 54 | 0n 7 | 18 44 | 0 31 | 17 18 | 2 36 | 22 12 | 0 45 | 22 26 | 1 5 | 18 20 | 0 39 | 4 45 | 1 20 | 3 43 | 16 21 | 17 23 | 17 35 | 20 19 | 15 28 | 2 15 |
| W15 | 10 37 | 8 59 | 5 14 | 7 12 | 0 27 | 19 5 | 0 33 | 17 7 | 2 33 | 22 11 | 0 45 | 22 26 | 1 6 | 18 20 | 0 39 | 4 44 | 1 20 | 3 43 | 16 21 | 17 22 | 17 34 | 20 18 | 15 30 | 2 16 |
| T 16 | 10 59 | 4 32 | 5 0 | 6 34 | 0 45 | 19 27 | 0 36 | 16 55 | 2 29 | 22 10 | 0 45 | 22 26 | 1 6 | 18 19 | 0 39 | 4 43 | 1 20 | 3 43 | 16 21 | 17 21 | 17 33 | 20 18 | 15 32 | 2 16 |
| F 17 | 11 20 | 0n 5 | 4 29 | 6 2 | 1 2 | 19 48 | 0 39 | 16 43 | 2 26 | 22 9 | 0 45 | 22 26 | 1 6 | 18 19 | 0 39 | 4 43 | 1 20 | 3 44 | 16 21 | 17 21 | 17 33 | 20 17 | 15 34 | 2 16 |
| S 18 | 11 42 | 4 37 | 3 44 | 5 35 | 1 18 | 20 8 | 0 41 | 16 31 | 2 23 | 22 8 | 0 45 | 22 26 | 1 6 | 18 19 | 0 39 | 4 42 | 1 21 | 3 44 | 16 21 | 17 20 | 17 32 | 20 17 | 15 36 | 2 16 |
| S 19 | 12 3 | 8 52 | 2 49 | 5 15 | 1 31 | 20 28 | 0 44 | 16 18 | 2 20 | 22 6 | 0 45 | 22 26 | 1 6 | 18 18 | 0 39 | 4 41 | 1 21 | 3 45 | 16 21 | 17 19 | 17 31 | 20 16 | 15 38 | 2 16 |
| M20 | 12 24 | 12 39 | 1 46 | 5 0 | 1 43 | 20 47 | 0 47 | 16 6 | 2 17 | 22 5 | 0 45 | 22 26 | 1 6 | 18 18 | 0 39 | 4 41 | 1 21 | 3 45 | 16 21 | 17 19 | 17 30 | 20 15 | 15 39 | 2 16 |
| T 21 | 12 44 | 15 49 | 0 40 | 4 52 | 1 53 | 21 5 | 0 49 | 15 54 | 2 14 | 22 4 | 0 45 | 22 26 | 1 6 | 18 18 | 0 39 | 4 40 | 1 21 | 3 45 | 16 21 | 17 18 | 17 29 | 20 15 | 15 41 | 2 16 |
| W22 | 13 5 | 18 13 | 0s28 | 4 50 | 2 2 | 21 23 | 0 52 | 15 41 | 2 11 | 22 2 | 0 45 | 22 26 | 1 6 | 18 17 | 0 39 | 4 39 | 1 21 | 3 46 | 16 21 | 17 18 | 17 28 | 20 14 | 15 43 | 2 17 |
| T 23 | 13 25 | 19 45 | 1 34 | 4 52 | 2 8 | 21 41 | 0 54 | 15 28 | 2 8 | 22 1 | 0 45 | 22 26 | 1 6 | 18 17 | 0 39 | 4 39 | 1 21 | 3 46 | 16 21 | 17 19 | 17 27 | 20 14 | 15 45 | 2 17 |
| F 24 | 13 45 | 20 22 | 2 35 | 5 0 | 2 13 | 21 58 | 0 57 | 15 16 | 2 5 | 22 0 | 0 45 | 22 26 | 1 6 | 18 17 | 0 39 | 4 38 | 1 21 | 3 46 | 16 21 | 17 19 | 17 26 | 20 13 | 15 47 | 2 17 |
| S 25 | 14 5 | 20 5 | 3 28 | 5 13 | 2 16 | 22 14 | 0 59 | 15 3 | 2 2 | 21 58 | 0 45 | 22 26 | 1 6 | 18 17 | 0 39 | 4 37 | 1 21 | 3 47 | 16 21 | 17 19 | 17 26 | 20 12 | 15 49 | 2 17 |
| S 26 | 14 25 | 18 54 | 4 13 | 5 29 | 2 19 | 22 30 | 1 2 | 14 50 | 1 59 | 21 57 | 0 45 | 22 26 | 1 6 | 18 17 | 0 39 | 4 37 | 1 21 | 3 47 | 16 21 | 17 20 | 17 25 | 20 12 | 15 50 | 2 17 |
| M27 | 14 44 | 16 54 | 4 47 | 5 49 | 2 19 | 22 45 | 1 4 | 14 37 | 1 56 | 21 55 | 0 45 | 22 26 | 1 6 | 18 16 | 0 39 | 4 36 | 1 21 | 3 47 | 16 21 | 17 20 | 17 24 | 20 11 | 15 52 | 2 17 |
| T 28 | 15 3 | 14 10 | 5 9 | 6 12 | 2 19 | 22 59 | 1 7 | 14 23 | 1 53 | 21 54 | 0 45 | 22 25 | 1 6 | 18 16 | 0 39 | 4 35 | 1 21 | 3 47 | 16 21 | 17 20 | 17 23 | 20 11 | 15 54 | 2 17 |
| W29 | 15 22 | 10 48 | 5 18 | 6 38 | 2 18 | 23 12 | 1 9 | 14 10 | 1 51 | 21 52 | 0 45 | 22 25 | 1 6 | 18 16 | 0 39 | 4 35 | 1 21 | 3 48 | 16 21 | 17 20 | 17 22 | 20 10 | 15 56 | 2 18 |
| T 30 | 15 41 | 6 53 | 5 12 | 7 5 | 2 16 | 23 25 | 1 12 | 13 57 | 1 48 | 21 51 | 0 45 | 22 25 | 1 6 | 18 16 | 0 39 | 4 34 | 1 21 | 3 48 | 16 20 | 17 20 | 17 21 | 20 9 | 15 58 | 2 18 |
| F 31 | 15s59 | 2n34 | 4s50 | 7s35 | 2n13 | 23s38 | 1s14 | 13s43 | 1s45 | 21s49 | 0s45 | 22n25 | 1s 6 | 18n16 | 0n39 | 4n34 | 1n21 | 3s48 | 16s20 | 17s20 | 17s20 | 20n 9 | 15s59 | 2n18 |

Julian Day Number = 2130045.5, Delta T = 16m42s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'06, Lahiri = 11°35'07 Julian Calendar 1 Oct. 1119 == Greg. Calendar 8 Oct. 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## NOVEMBER 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 3 41 | 14♏35'20 | 25♍19 | 26♎ 6 | 13♐47 | 28♒57 | 25♑56 | 26°R48 | 10♌43 | 21♍41 | 29°R57 | 18°R11 | 18♏10 | 29♊44 | 21♏35 | S 1 |
| S 2 | 3 7 37 | 15°36'00 | 8♎55 | 27°26 | 15° 1 | 29°29 | 26° 5 | 26♊45 | 10°44 | 21°43 | 29♈56 | 18♏11 | 18° 7 | 29°50 | 21°43 | S 2 |
| M 3 | 3 11 34 | 16°36'42 | 22°57 | 28°48 | 16°16 | 0♓ 1 | 26°13 | 26°42 | 10°44 | 21°44 | 29°55 | 18°10 | 18° 4 | 29°57 | 21°51 | M 3 |
| T 4 | 3 15 31 | 17°37'26 | 7♏21 | 0♏12 | 17°30 | 0°34 | 26°22 | 26°39 | 10°45 | 21°46 | 29°54 | 18°10 | 18° 1 | 0♋ 4 | 21°58 | T 4 |
| W 5 | 3 19 27 | 18°38'11 | 22° 3 | 1°38 | 18°44 | 1° 6 | 26°32 | 26°35 | 10°45 | 21°47 | 29°53 | 18°10 | 17°58 | 0°10 | 22° 6 | W 5 |
| T 6 | 3 23 24 | 19°38'57 | 6♐56 | 3° 5 | 19°58 | 1°39 | 26°41 | 26°32 | 10°45 | 21°48 | 29°52 | 18°10 | 17°55 | 0°17 | 22°14 | T 6 |
| F 7 | 3 27 20 | 20°39'45 | 21°51 | 4°33 | 21°12 | 2°12 | 26°50 | 26°29 | 10°45 | 21°50 | 29°51 | 18°10 | 17°51 | 0°24 | 22°21 | F 7 |
| S 8 | 3 31 17 | 21°40'34 | 6♑42 | 6° 2 | 22°26 | 2°45 | 27° 0 | 26°25 | 10°45 | 21°51 | 29°50 | 18°10 | 17°48 | 0°31 | 22°29 | S 8 |
| S 9 | 3 35 13 | 22°41'24 | 21°21 | 7°32 | 23°40 | 3°19 | 27°10 | 26°21 | 10°46 | 21°52 | 29°48 | 18° 9 | 17°45 | 0°37 | 22°37 | S 9 |
| M10 | 3 39 10 | 23°42'15 | 5♒43 | 9° 2 | 24°54 | 3°52 | 27°19 | 26°18 | 10°R46 | 21°54 | 29°47 | 18° 9 | 17°42 | 0°44 | 22°44 | M10 |
| T 11 | 3 43 6 | 24°43'07 | 19°45 | 10°33 | 26° 7 | 4°26 | 27°29 | 26°14 | 10°46 | 21°55 | 29°46 | 18°D 9 | 17°39 | 0°51 | 22°52 | T 11 |
| W12 | 3 47 3 | 25°44'00 | 3♓26 | 12° 5 | 27°21 | 5° 0 | 27°39 | 26°10 | 10°46 | 21°56 | 29°45 | 18° 9 | 17°35 | 0°57 | 23° 0 | W12 |
| T 13 | 3 51 0 | 26°44'54 | 16°48 | 13°37 | 28°35 | 5°34 | 27°49 | 26° 6 | 10°45 | 21°57 | 29°44 | 18° 9 | 17°32 | 1° 4 | 23° 7 | T 13 |
| F 14 | 3 54 56 | 27°45'48 | 29°51 | 15° 9 | 29°49 | 6° 8 | 28° 0 | 26° 2 | 10°45 | 21°58 | 29°43 | 18°10 | 17°29 | 1°11 | 23°15 | F 14 |
| S 15 | 3 58 53 | 28°46'43 | 12♈38 | 16°41 | 1♑ 3 | 6°43 | 28°10 | 25°58 | 10°45 | 22° 0 | 29°42 | 18°11 | 17°26 | 1°17 | 23°23 | S 15 |
| S 16 | 4 2 49 | 29°47'39 | 25°11 | 18°14 | 2°17 | 7°17 | 28°21 | 25°54 | 10°45 | 22° 1 | 29°42 | 18°12 | 17°23 | 1°24 | 23°30 | S 16 |
| M17 | 4 6 46 | 0♐48'36 | 7♉32 | 19°47 | 3°30 | 7°52 | 28°31 | 25°50 | 10°44 | 22° 2 | 29°41 | 18°13 | 17°20 | 1°31 | 23°38 | M17 |
| T 18 | 4 10 42 | 1°49'34 | 19°44 | 21°19 | 4°44 | 8°27 | 28°42 | 25°45 | 10°44 | 22° 3 | 29°40 | 18°R13 | 17°16 | 1°37 | 23°46 | T 18 |
| W19 | 4 14 39 | 2°50'33 | 1♊47 | 22°52 | 5°58 | 9° 2 | 28°53 | 25°41 | 10°43 | 22° 4 | 29°39 | 18°13 | 17°13 | 1°44 | 23°53 | W19 |
| T 20 | 4 18 35 | 3°51'33 | 13°44 | 24°25 | 7°12 | 9°37 | 29° 4 | 25°37 | 10°43 | 22° 5 | 29°38 | 18°11 | 17°10 | 1°51 | 24° 1 | T 20 |
| F 21 | 4 22 32 | 4°52'34 | 25°36 | 25°59 | 8°25 | 10°12 | 29°15 | 25°32 | 10°42 | 22° 6 | 29°37 | 18° 9 | 17° 7 | 1°57 | 24° 8 | F 21 |
| S 22 | 4 26 29 | 5°53'36 | 7♋26 | 27°32 | 9°39 | 10°47 | 29°26 | 25°28 | 10°42 | 22° 7 | 29°36 | 18° 6 | 17° 4 | 2° 4 | 24°16 | S 22 |
| S 23 | 4 30 25 | 6°54'38 | 19°16 | 29° 5 | 10°52 | 11°23 | 29°37 | 25°23 | 10°41 | 22° 8 | 29°35 | 18° 3 | 17° 1 | 2°11 | 24°23 | S 23 |
| M24 | 4 34 22 | 7°55'42 | 1♌ 9 | 0♐39 | 12° 6 | 11°58 | 29°48 | 25°18 | 10°40 | 22° 8 | 29°34 | 18° 0 | 16°57 | 2°17 | 24°31 | M24 |
| T 25 | 4 38 18 | 8°56'47 | 13° 8 | 2°12 | 13°19 | 12°34 | 29°59 | 25°14 | 10°40 | 22° 9 | 29°33 | 17°57 | 16°54 | 2°24 | 24°38 | T 25 |
| W26 | 4 42 15 | 9°57'52 | 25°16 | 3°46 | 14°33 | 13°10 | 0♒11 | 25° 9 | 10°39 | 22°10 | 29°33 | 17°55 | 16°51 | 2°31 | 24°46 | W26 |
| T 27 | 4 46 11 | 10°58'59 | 7♍38 | 5°19 | 15°46 | 13°46 | 0°23 | 25° 4 | 10°38 | 22°11 | 29°32 | 17°D55 | 16°48 | 2°38 | 24°53 | T 27 |
| F 28 | 4 50 8 | 12° 0'06 | 20°19 | 6°53 | 17° 0 | 14°22 | 0°35 | 25° 0 | 10°37 | 22°11 | 29°31 | 17°55 | 16°45 | 2°44 | 25° 1 | F 28 |
| S 29 | 4 54 4 | 13° 1'14 | 3♎21 | 8°27 | 18°13 | 14°58 | 0°46 | 24°55 | 10°36 | 22°12 | 29°30 | 17°56 | 16°41 | 2°51 | 25° 8 | S 29 |
| S 30 | 4 58 1 | 14♐ 2'23 | 16♎50 | 10♐ 1 | 19♑27 | 15♓34 | 0♒58 | 24♊50 | 10♌35 | 22♍13 | 29♈29 | 17♏57 | 16♏38 | 2♋58 | 25♏16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s17 | 2s 0 | 4s14 | 8s 6 | 2n10 | 23s49 | 1s16 | 13s30 | 1s43 | 21s47 | 0s45 | 22n25 | 1s 6 | 18n16 | 0n39 | 4n33 | 1n21 | 3s49 | 16s20 | 17s20 | 17s19 | 20n 8 | 16s 1 | 2n18 |
| S 2 | 16 35 | 6 38 | 3 21 | 8 39 | 2 6 | 24 0 | 1 18 | 13 16 | 1 40 | 21 46 | 0 45 | 22 25 | 1 6 | 18 16 | 0 40 | 4 33 | 1 21 | 3 49 | 16 20 | 17 19 | 17 18 | 20 7 | 16 3 | 2 18 |
| M 3 | 16 53 | 11 4 | 2 16 | 9 12 | 2 1 | 24 11 | 1 21 | 13 2 | 1 37 | 21 44 | 0 45 | 22 25 | 1 6 | 18 15 | 0 40 | 4 32 | 1 21 | 3 49 | 16 20 | 17 19 | 17 18 | 20 7 | 16 5 | 2 19 |
| T 4 | 17 10 | 14 58 | 1 0 | 9 47 | 1 56 | 24 20 | 1 23 | 12 48 | 1 35 | 21 42 | 0 45 | 22 25 | 1 6 | 18 15 | 0 40 | 4 32 | 1 21 | 3 49 | 16 20 | 17 19 | 17 17 | 20 6 | 16 7 | 2 19 |
| W 5 | 17 27 | 18 1 | 0n22 | 10 22 | 1 51 | 24 29 | 1 25 | 12 34 | 1 32 | 21 41 | 0 45 | 22 25 | 1 6 | 18 15 | 0 40 | 4 31 | 1 21 | 3 50 | 16 20 | 17 19 | 17 16 | 20 5 | 16 8 | 2 19 |
| T 6 | 17 44 | 19 53 | 1 42 | 10 57 | 1 45 | 24 37 | 1 27 | 12 20 | 1 30 | 21 39 | 0 45 | 22 25 | 1 5 | 18 15 | 0 40 | 4 31 | 1 21 | 3 50 | 16 20 | 17 19 | 17 15 | 20 5 | 16 10 | 2 19 |
| F 7 | 18 0 | 20 22 | 2 57 | 11 32 | 1 39 | 24 44 | 1 29 | 12 6 | 1 27 | 21 37 | 0 45 | 22 25 | 1 5 | 18 15 | 0 40 | 4 30 | 1 21 | 3 50 | 16 19 | 17 19 | 17 14 | 20 4 | 16 12 | 2 19 |
| S 8 | 18 16 | 19 25 | 3 58 | 12 8 | 1 33 | 24 51 | 1 31 | 11 52 | 1 25 | 21 35 | 0 44 | 22 25 | 1 5 | 18 15 | 0 40 | 4 30 | 1 21 | 3 50 | 16 19 | 17 19 | 17 13 | 20 3 | 16 14 | 2 20 |
| S 9 | 18 32 | 17 11 | 4 44 | 12 43 | 1 27 | 24 57 | 1 33 | 11 37 | 1 23 | 21 33 | 0 44 | 22 25 | 1 5 | 18 15 | 0 40 | 4 29 | 1 21 | 3 50 | 16 19 | 17 19 | 17 12 | 20 3 | 16 15 | 2 20 |
| M10 | 18 47 | 13 55 | 5 10 | 13 19 | 1 20 | 25 2 | 1 35 | 11 23 | 1 20 | 21 31 | 0 44 | 22 25 | 1 5 | 18 15 | 0 40 | 4 29 | 1 21 | 3 51 | 16 19 | 17 19 | 17 11 | 20 2 | 16 17 | 2 20 |
| T 11 | 19 2 | 9 56 | 5 18 | 13 54 | 1 13 | 25 6 | 1 37 | 11 8 | 1 18 | 21 29 | 0 44 | 22 25 | 1 5 | 18 15 | 0 40 | 4 28 | 1 22 | 3 51 | 16 19 | 17 19 | 17 10 | 20 1 | 16 19 | 2 20 |
| W12 | 19 17 | 5 32 | 5 6 | 14 29 | 1 7 | 25 10 | 1 38 | 10 54 | 1 16 | 21 27 | 0 44 | 22 24 | 1 5 | 18 15 | 0 40 | 4 28 | 1 22 | 3 51 | 16 19 | 17 19 | 17 10 | 20 1 | 16 21 | 2 20 |
| T 13 | 19 31 | 0 57 | 4 39 | 15 3 | 1 0 | 25 13 | 1 40 | 10 39 | 1 14 | 21 25 | 0 44 | 22 24 | 1 5 | 18 16 | 0 40 | 4 27 | 1 22 | 3 51 | 16 19 | 17 19 | 17 9 | 20 0 | 16 22 | 2 21 |
| F 14 | 19 45 | 3n34 | 3 57 | 15 37 | 0 53 | 25 15 | 1 42 | 10 24 | 1 11 | 21 23 | 0 44 | 22 24 | 1 5 | 18 16 | 0 40 | 4 27 | 1 22 | 3 51 | 16 18 | 17 19 | 17 8 | 19 59 | 16 24 | 2 21 |
| S 15 | 19 59 | 7 51 | 3 5 | 16 10 | 0 46 | 25 16 | 1 43 | 10 10 | 1 9 | 21 21 | 0 44 | 22 24 | 1 5 | 18 16 | 0 40 | 4 26 | 1 22 | 3 51 | 16 18 | 17 20 | 17 7 | 19 59 | 16 26 | 2 21 |
| S 16 | 20 12 | 11 43 | 2 4 | 16 43 | 0 39 | 25 16 | 1 45 | 9 55 | 1 7 | 21 19 | 0 44 | 22 24 | 1 5 | 18 16 | 0 40 | 4 26 | 1 22 | 3 52 | 16 18 | 17 20 | 17 6 | 19 58 | 16 27 | 2 21 |
| M17 | 20 25 | 15 1 | 0 59 | 17 15 | 0 32 | 25 16 | 1 46 | 9 40 | 1 5 | 21 17 | 0 44 | 22 24 | 1 5 | 18 16 | 0 40 | 4 26 | 1 22 | 3 52 | 16 18 | 17 20 | 17 5 | 19 57 | 16 29 | 2 22 |
| T 18 | 20 37 | 17 37 | 0s 8 | 17 47 | 0 25 | 25 15 | 1 47 | 9 25 | 1 3 | 21 14 | 0 44 | 22 24 | 1 5 | 18 16 | 0 40 | 4 25 | 1 22 | 3 52 | 16 18 | 17 20 | 17 4 | 19 56 | 16 31 | 2 22 |
| W19 | 20 50 | 19 24 | 1 14 | 18 18 | 0 18 | 25 14 | 1 49 | 9 10 | 1 1 | 21 12 | 0 44 | 22 24 | 1 5 | 18 16 | 0 40 | 4 25 | 1 22 | 3 52 | 16 17 | 17 20 | 17 3 | 19 56 | 16 32 | 2 22 |
| T 20 | 21 1 | 20 18 | 2 17 | 18 48 | 0 11 | 25 11 | 1 50 | 8 54 | 0 59 | 21 10 | 0 44 | 22 24 | 1 5 | 18 17 | 0 40 | 4 25 | 1 22 | 3 52 | 16 17 | 17 20 | 17 2 | 19 55 | 16 34 | 2 22 |
| F 21 | 21 13 | 20 16 | 3 12 | 19 17 | 0 4 | 25 8 | 1 51 | 8 39 | 0 57 | 21 8 | 0 44 | 22 24 | 1 5 | 18 17 | 0 40 | 4 24 | 1 22 | 3 52 | 16 17 | 17 19 | 17 1 | 19 54 | 16 35 | 2 23 |
| S 22 | 21 23 | 19 21 | 4 0 | 19 45 | 0s 3 | 25 4 | 1 52 | 8 24 | 0 55 | 21 5 | 0 44 | 22 24 | 1 5 | 18 17 | 0 40 | 4 24 | 1 22 | 3 52 | 16 17 | 17 18 | 17 1 | 19 54 | 16 37 | 2 23 |
| S 23 | 21 34 | 17 36 | 4 37 | 20 13 | 0 10 | 24 59 | 1 53 | 8 9 | 0 53 | 21 3 | 0 44 | 22 23 | 1 5 | 18 17 | 0 40 | 4 24 | 1 22 | 3 52 | 16 17 | 17 17 | 17 0 | 19 53 | 16 39 | 2 23 |
| M24 | 21 44 | 15 5 | 5 2 | 20 39 | 0 17 | 24 53 | 1 54 | 7 53 | 0 51 | 21 0 | 0 44 | 22 23 | 1 5 | 18 17 | 0 40 | 4 23 | 1 22 | 3 52 | 16 16 | 17 16 | 16 59 | 19 52 | 16 40 | 2 23 |
| T 25 | 21 54 | 11 56 | 5 14 | 21 5 | 0 23 | 24 47 | 1 55 | 7 38 | 0 49 | 20 58 | 0 44 | 22 23 | 1 5 | 18 18 | 0 40 | 4 23 | 1 22 | 3 52 | 16 16 | 17 16 | 16 58 | 19 51 | 16 42 | 2 24 |
| W26 | 22 3 | 8 15 | 5 13 | 21 29 | 0 30 | 24 40 | 1 56 | 7 22 | 0 47 | 20 55 | 0 44 | 22 23 | 1 5 | 18 18 | 0 41 | 4 23 | 1 22 | 3 53 | 16 16 | 17 15 | 16 57 | 19 51 | 16 43 | 2 24 |
| T 27 | 22 12 | 4 9 | 4 57 | 21 53 | 0 36 | 24 32 | 1 56 | 7 7 | 0 45 | 20 53 | 0 44 | 22 23 | 1 5 | 18 18 | 0 41 | 4 23 | 1 22 | 3 53 | 16 16 | 17 15 | 16 56 | 19 50 | 16 45 | 2 24 |
| F 28 | 22 20 | 0s13 | 4 26 | 22 16 | 0 42 | 24 24 | 1 57 | 6 51 | 0 43 | 20 50 | 0 44 | 22 23 | 1 4 | 18 18 | 0 41 | 4 22 | 1 22 | 3 53 | 16 15 | 17 15 | 16 55 | 19 49 | 16 46 | 2 24 |
| S 29 | 22 28 | 4 43 | 3 41 | 22 37 | 0 49 | 24 15 | 1 57 | 6 35 | 0 41 | 20 48 | 0 44 | 22 23 | 1 4 | 18 19 | 0 41 | 4 22 | 1 22 | 3 53 | 16 15 | 17 15 | 16 54 | 19 48 | 16 48 | 2 25 |
| S 30 | 22s36 | 9s 9 | 2s43 | 22s57 | 0s55 | 24s 5 | 1s58 | 6s20 | 0s40 | 20s45 | 0s44 | 22n23 | 1s 4 | 18n19 | 0n41 | 4n22 | 1n23 | 3s53 | 16s15 | 17s16 | 16s53 | 19n48 | 16s49 | 2n25 |

Julian Day Number = 2130076.5, Delta T = 16m41s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'10, Lahiri = 11°35'11 Julian Calendar 1 Nov. 1119 == Greg. Calendar 8 Nov. 1119


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# ASTRODIENST EPHEMERIS for the year 1119
# geocentric

## DECEMBER 1119 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 1 58 | 15♐ 3'33 | 0♏46 | 11♐35 | 20♑40 | 16♓10 | 1♒10 | 24°R45 | 10°R34 | 22♍13 | 29°R29 | 17♏59 | 16♏35 | 3♋ 4 | 25♏23 | M 1 |
| T 2 | 5 5 54 | 16° 4'44 | 15° 9 | 13°10 | 21°53 | 16°47 | 1°22 | 24♊40 | 10♌33 | 22°14 | 29♈28 | 18°R 0 | 16°32 | 3°11 | 25°30 | T 2 |
| W 3 | 5 9 51 | 17° 5'55 | 29°56 | 14°45 | 23° 6 | 17°23 | 1°34 | 24°35 | 10°31 | 22°15 | 29°27 | 17°59 | 16°29 | 3°18 | 25°38 | W 3 |
| T 4 | 5 13 47 | 18° 7'07 | 15♐ 2 | 16°19 | 24°20 | 18° 0 | 1°47 | 24°30 | 10°30 | 22°15 | 29°27 | 17°57 | 16°26 | 3°24 | 25°45 | T 4 |
| F 5 | 5 17 44 | 19° 8'19 | 0♑16 | 17°54 | 25°33 | 18°36 | 1°59 | 24°26 | 10°29 | 22°16 | 29°26 | 17°54 | 16°22 | 3°31 | 25°52 | F 5 |
| S 6 | 5 21 40 | 20° 9'32 | 15°29 | 19°30 | 26°46 | 19°13 | 2°11 | 24°21 | 10°27 | 22°16 | 29°25 | 17°49 | 16°19 | 3°38 | 25°59 | S 6 |
| S 7 | 5 25 37 | 21°10'45 | 0♒31 | 21° 5 | 27°59 | 19°50 | 2°24 | 24°16 | 10°26 | 22°16 | 29°25 | 17°44 | 16°16 | 3°44 | 26° 7 | S 7 |
| M 8 | 5 29 33 | 22°11'57 | 15°13 | 22°41 | 29°12 | 20°27 | 2°36 | 24°11 | 10°25 | 22°17 | 29°24 | 17°39 | 16°13 | 3°51 | 26°14 | M 8 |
| T 9 | 5 33 30 | 23°13'10 | 29°29 | 24°17 | 0♒25 | 21° 4 | 2°49 | 24° 6 | 10°23 | 22°17 | 29°23 | 17°36 | 16°10 | 3°58 | 26°21 | T 9 |
| W10 | 5 37 27 | 24°14'23 | 13♓18 | 25°53 | 1°38 | 21°41 | 3° 2 | 24° 1 | 10°22 | 22°17 | 29°23 | 17°33 | 16° 7 | 4° 4 | 26°28 | W10 |
| T 11 | 5 41 23 | 25°15'35 | 26°40 | 27°30 | 2°51 | 22°18 | 3°14 | 23°56 | 10°20 | 22°18 | 29°22 | 17°D33 | 16° 3 | 4°11 | 26°35 | T 11 |
| F 12 | 5 45 20 | 26°16'47 | 9♈38 | 29° 7 | 4° 3 | 22°56 | 3°27 | 23°51 | 10°18 | 22°18 | 29°22 | 17°34 | 16° 0 | 4°18 | 26°42 | F 12 |
| S 13 | 5 49 16 | 27°17'59 | 22°15 | 0♑44 | 5°16 | 23°33 | 3°40 | 23°46 | 10°17 | 22°18 | 29°21 | 17°35 | 15°57 | 4°25 | 26°49 | S 13 |
| S 14 | 5 53 13 | 28°19'10 | 4♉36 | 2°22 | 6°29 | 24°10 | 3°53 | 23°41 | 10°15 | 22°18 | 29°20 | 17°37 | 15°54 | 4°31 | 26°56 | S 14 |
| M15 | 5 57 9 | 29°20'22 | 16°44 | 3°59 | 7°41 | 24°48 | 4° 6 | 23°36 | 10°13 | 22°18 | 29°20 | 17°R38 | 15°51 | 4°38 | 27° 3 | M15 |
| T 16 | 6 1 6 | 0♑21'33 | 28°44 | 5°38 | 8°54 | 25°25 | 4°19 | 23°31 | 10°11 | 22°19 | 29°20 | 17°37 | 15°47 | 4°45 | 27°10 | T 16 |
| W17 | 6 5 2 | 1°22'44 | 10♊38 | 7°16 | 10° 6 | 26° 3 | 4°32 | 23°26 | 10°10 | 22°19 | 29°19 | 17°34 | 15°44 | 4°51 | 27°16 | W17 |
| T 18 | 6 8 59 | 2°23'55 | 22°29 | 8°55 | 11°18 | 26°41 | 4°45 | 23°21 | 10° 8 | 22°19 | 29°19 | 17°29 | 15°41 | 4°58 | 27°23 | T 18 |
| F 19 | 6 12 56 | 3°25'06 | 4♋20 | 10°34 | 12°31 | 27°18 | 4°59 | 23°16 | 10° 6 | 22°R19 | 29°18 | 17°22 | 15°38 | 5° 5 | 27°30 | F 19 |
| S 20 | 6 16 52 | 4°26'16 | 16°11 | 12°13 | 13°43 | 27°56 | 5°12 | 23°11 | 10° 4 | 22°19 | 29°18 | 17°13 | 15°35 | 5°11 | 27°36 | S 20 |
| S 21 | 6 20 49 | 5°27'27 | 28° 4 | 13°53 | 14°55 | 28°34 | 5°25 | 23° 7 | 10° 2 | 22°19 | 29°17 | 17° 3 | 15°32 | 5°18 | 27°43 | S 21 |
| M22 | 6 24 45 | 6°28'37 | 10♌ 2 | 15°33 | 16° 7 | 29°12 | 5°39 | 23° 2 | 10° 0 | 22°18 | 29°17 | 16°53 | 15°28 | 5°25 | 27°49 | M22 |
| T 23 | 6 28 42 | 7°29'46 | 22° 5 | 17°13 | 17°19 | 29°49 | 5°52 | 22°57 | 9°58 | 22°18 | 29°17 | 16°44 | 15°25 | 5°31 | 27°56 | T 23 |
| W24 | 6 32 38 | 8°30'56 | 4♍17 | 18°53 | 18°31 | 0♈27 | 6° 6 | 22°52 | 9°56 | 22°18 | 29°16 | 16°37 | 15°22 | 5°38 | 28° 2 | W24 |
| T 25 | 6 36 35 | 9°32'05 | 16°39 | 20°33 | 19°43 | 1° 5 | 6°19 | 22°48 | 9°54 | 22°18 | 29°16 | 16°32 | 15°19 | 5°45 | 28° 9 | T 25 |
| F 26 | 6 40 32 | 10°33'15 | 29°17 | 22°13 | 20°54 | 1°43 | 6°33 | 22°43 | 9°51 | 22°18 | 29°16 | 16°29 | 15°16 | 5°52 | 28°15 | F 26 |
| S 27 | 6 44 28 | 11°34'24 | 12♎12 | 23°52 | 22° 6 | 2°21 | 6°47 | 22°38 | 9°49 | 22°17 | 29°16 | 16°D28 | 15°13 | 5°58 | 28°21 | S 27 |
| S 28 | 6 48 25 | 12°35'32 | 25°30 | 25°32 | 23°18 | 2°59 | 7° 0 | 22°34 | 9°47 | 22°17 | 29°15 | 16°29 | 15° 9 | 6° 5 | 28°28 | S 28 |
| M29 | 6 52 21 | 13°36'41 | 9♏13 | 27°11 | 24°29 | 3°38 | 7°14 | 22°29 | 9°45 | 22°17 | 29°15 | 16°R30 | 15° 6 | 6°12 | 28°34 | M29 |
| T 30 | 6 56 18 | 14°37'49 | 23°23 | 28°49 | 25°40 | 4°16 | 7°28 | 22°25 | 9°43 | 22°16 | 29°15 | 16°29 | 15° 3 | 6°18 | 28°40 | T 30 |
| W31 | 7 0 14 | 15♑38'57 | 7♐59 | 0♒26 | 26♒51 | 4♈54 | 7♒42 | 22♊21 | 9♌40 | 22♍16 | 29♈15 | 16♏28 | 15♏ 0 | 6♋25 | 28♏46 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s43 | 13s15 | 1s33 | 23s17 | 1s 0 | 23s54 | 1s58 | 6s 4 | 0s38 | 20s43 | 0s44 | 22n23 | 1s 4 | 18n19 | 0n41 | 4n22 | 1n23 | 3s53 | 16s15 | 17s16 | 16s52 | 19n47 | 16s51 | 2n25 |
| T 2 | 22 49 | 16 42 | 0 16 | 23 35 | 1 6 | 23 43 | 1 58 | 5 48 | 0 36 | 20 40 | 0 44 | 22 23 | 1 4 | 18 20 | 0 41 | 4 22 | 1 23 | 3 53 | 16 14 | 17 16 | 16 51 | 19 46 | 16 52 | 2 26 |
| W 3 | 22 55 | 19 10 | 1n 5 | 23 51 | 1 12 | 23 31 | 1 59 | 5 32 | 0 34 | 20 37 | 0 44 | 22 22 | 1 4 | 18 20 | 0 41 | 4 21 | 1 23 | 3 53 | 16 14 | 17 16 | 16 51 | 19 45 | 16 54 | 2 26 |
| T 4 | 23 1 | 20 20 | 2 23 | 24 7 | 1 17 | 23 18 | 1 59 | 5 16 | 0 33 | 20 34 | 0 44 | 22 22 | 1 4 | 18 21 | 0 41 | 4 21 | 1 23 | 3 53 | 16 14 | 17 16 | 16 50 | 19 45 | 16 55 | 2 26 |
| F 5 | 23 6 | 20 2 | 3 31 | 24 21 | 1 22 | 23 5 | 1 59 | 5 0 | 0 31 | 20 32 | 0 44 | 22 22 | 1 4 | 18 21 | 0 41 | 4 21 | 1 23 | 3 53 | 16 13 | 17 15 | 16 49 | 19 44 | 16 57 | 2 26 |
| S 6 | 23 11 | 18 16 | 4 24 | 24 35 | 1 27 | 22 50 | 1 59 | 4 44 | 0 29 | 20 29 | 0 44 | 22 22 | 1 4 | 18 21 | 0 41 | 4 21 | 1 23 | 3 53 | 16 13 | 17 13 | 16 48 | 19 43 | 16 58 | 2 27 |
| S 7 | 23 15 | 15 17 | 4 58 | 24 46 | 1 31 | 22 36 | 1 58 | 4 28 | 0 28 | 20 26 | 0 44 | 22 22 | 1 4 | 18 22 | 0 41 | 4 21 | 1 23 | 3 53 | 16 13 | 17 12 | 16 47 | 19 42 | 16 59 | 2 27 |
| M 8 | 23 19 | 11 23 | 5 12 | 24 57 | 1 36 | 22 20 | 1 58 | 4 12 | 0 26 | 20 23 | 0 44 | 22 22 | 1 4 | 18 22 | 0 41 | 4 21 | 1 23 | 3 52 | 16 13 | 17 11 | 16 46 | 19 41 | 17 1 | 2 27 |
| T 9 | 23 23 | 6 56 | 5 5 | 25 6 | 1 40 | 22 4 | 1 58 | 3 56 | 0 25 | 20 20 | 0 44 | 22 22 | 1 4 | 18 23 | 0 41 | 4 21 | 1 23 | 3 52 | 16 12 | 17 10 | 16 45 | 19 41 | 17 2 | 2 28 |
| W10 | 23 26 | 2 16 | 4 41 | 25 13 | 1 44 | 21 48 | 1 57 | 3 40 | 0 23 | 20 17 | 0 44 | 22 22 | 1 3 | 18 23 | 0 41 | 4 21 | 1 23 | 3 52 | 16 12 | 17 9 | 16 44 | 19 40 | 17 3 | 2 28 |
| T 11 | 23 28 | 2n23 | 4 2 | 25 19 | 1 48 | 21 31 | 1 57 | 3 24 | 0 22 | 20 14 | 0 44 | 22 21 | 1 3 | 18 24 | 0 41 | 4 21 | 1 23 | 3 52 | 16 12 | 17 9 | 16 43 | 19 39 | 17 5 | 2 28 |
| F 12 | 23 30 | 6 47 | 3 12 | 25 24 | 1 51 | 21 13 | 1 56 | 3 8 | 0 20 | 20 11 | 0 44 | 22 21 | 1 3 | 18 24 | 0 41 | 4 20 | 1 23 | 3 52 | 16 11 | 17 9 | 16 42 | 19 38 | 17 6 | 2 29 |
| S 13 | 23 31 | 10 46 | 2 14 | 25 27 | 1 54 | 20 54 | 1 55 | 2 51 | 0 19 | 20 8 | 0 44 | 22 21 | 1 3 | 18 24 | 0 41 | 4 20 | 1 23 | 3 52 | 16 11 | 17 9 | 16 41 | 19 37 | 17 7 | 2 29 |
| S 14 | 23 32 | 14 13 | 1 10 | 25 29 | 1 57 | 20 35 | 1 55 | 2 35 | 0 17 | 20 5 | 0 44 | 22 21 | 1 3 | 18 25 | 0 41 | 4 20 | 1 23 | 3 52 | 16 11 | 17 10 | 16 40 | 19 37 | 17 9 | 2 29 |
| M15 | 23 33 | 17 0 | 0 5 | 25 29 | 2 0 | 20 16 | 1 54 | 2 19 | 0 16 | 20 2 | 0 44 | 22 21 | 1 3 | 18 26 | 0 41 | 4 20 | 1 23 | 3 52 | 16 11 | 17 10 | 16 40 | 19 36 | 17 10 | 2 30 |
| T 16 | 23 33 | 19 0 | 1s 0 | 25 28 | 2 2 | 19 56 | 1 53 | 2 3 | 0 14 | 19 59 | 0 44 | 22 21 | 1 3 | 18 26 | 0 41 | 4 20 | 1 23 | 3 52 | 16 10 | 17 10 | 16 39 | 19 35 | 17 11 | 2 30 |
| W17 | 23 33 | 20 9 | 2 1 | 25 25 | 2 4 | 19 35 | 1 52 | 1 46 | 0 13 | 19 56 | 0 44 | 22 21 | 1 3 | 18 27 | 0 41 | 4 20 | 1 23 | 3 52 | 16 10 | 17 9 | 16 38 | 19 34 | 17 12 | 2 30 |
| T 18 | 23 32 | 20 23 | 2 57 | 25 20 | 2 5 | 19 14 | 1 50 | 1 30 | 0 11 | 19 53 | 0 44 | 22 21 | 1 3 | 18 27 | 0 41 | 4 21 | 1 24 | 3 51 | 16 10 | 17 8 | 16 37 | 19 33 | 17 13 | 2 31 |
| F 19 | 23 30 | 19 44 | 3 45 | 25 13 | 2 6 | 18 52 | 1 49 | 1 14 | 0 10 | 19 50 | 0 44 | 22 20 | 1 2 | 18 28 | 0 41 | 4 21 | 1 24 | 3 51 | 16 9 | 17 6 | 16 36 | 19 33 | 17 15 | 2 31 |
| S 20 | 23 29 | 18 12 | 4 23 | 25 5 | 2 7 | 18 30 | 1 48 | 0 58 | 0 9 | 19 46 | 0 44 | 22 20 | 1 2 | 18 28 | 0 41 | 4 21 | 1 24 | 3 51 | 16 9 | 17 3 | 16 35 | 19 32 | 17 16 | 2 31 |
| S 21 | 23 26 | 15 54 | 4 50 | 24 56 | 2 7 | 18 8 | 1 46 | 0 41 | 0 7 | 19 43 | 0 44 | 22 20 | 1 2 | 18 29 | 0 41 | 4 21 | 1 24 | 3 51 | 16 9 | 17 0 | 16 34 | 19 31 | 17 17 | 2 32 |
| M22 | 23 24 | 12 56 | 5 4 | 24 44 | 2 7 | 17 44 | 1 45 | 0 25 | 0 6 | 19 40 | 0 44 | 22 20 | 1 2 | 18 29 | 0 41 | 4 21 | 1 24 | 3 51 | 16 8 | 16 58 | 16 33 | 19 30 | 17 18 | 2 32 |
| T 23 | 23 20 | 9 24 | 5 5 | 24 31 | 2 6 | 17 21 | 1 43 | 0 9 | 0 5 | 19 37 | 0 44 | 22 20 | 1 2 | 18 30 | 0 41 | 4 21 | 1 24 | 3 50 | 16 8 | 16 55 | 16 32 | 19 29 | 17 19 | 2 32 |
| W24 | 23 17 | 5 27 | 4 52 | 24 16 | 2 5 | 16 57 | 1 41 | 0n 8 | 0 3 | 19 33 | 0 44 | 22 20 | 1 2 | 18 31 | 0 41 | 4 21 | 1 24 | 3 50 | 16 8 | 16 53 | 16 31 | 19 28 | 17 20 | 2 33 |
| T 25 | 23 12 | 1 13 | 4 26 | 24 0 | 2 3 | 16 32 | 1 39 | 0 24 | 0 2 | 19 30 | 0 44 | 22 20 | 1 2 | 18 31 | 0 41 | 4 21 | 1 24 | 3 50 | 16 7 | 16 51 | 16 30 | 19 28 | 17 21 | 2 33 |
| F 26 | 23 8 | 3s 9 | 3 46 | 23 41 | 2 0 | 16 8 | 1 37 | 0 40 | 0 1 | 19 26 | 0 44 | 22 20 | 1 1 | 18 32 | 0 42 | 4 21 | 1 24 | 3 50 | 16 7 | 16 51 | 16 29 | 19 27 | 17 22 | 2 33 |
| S 27 | 23 3 | 7 30 | 2 53 | 23 21 | 1 57 | 15 42 | 1 35 | 0 57 | 0n 0 | 19 23 | 0 45 | 22 20 | 1 1 | 18 32 | 0 42 | 4 21 | 1 24 | 3 50 | 16 7 | 16 50 | 16 28 | 19 26 | 17 23 | 2 34 |
| S 28 | 22 57 | 11 37 | 1 50 | 23 0 | 1 54 | 15 17 | 1 33 | 1 13 | 0 1 | 19 20 | 0 45 | 22 19 | 1 1 | 18 33 | 0 42 | 4 22 | 1 24 | 3 49 | 16 6 | 16 51 | 16 27 | 19 25 | 17 24 | 2 34 |
| M29 | 22 51 | 15 15 | 0 39 | 22 36 | 1 49 | 14 51 | 1 31 | 1 29 | 0 3 | 19 16 | 0 45 | 22 19 | 1 1 | 18 34 | 0 42 | 4 22 | 1 24 | 3 49 | 16 6 | 16 51 | 16 27 | 19 24 | 17 25 | 2 35 |
| T 30 | 22 45 | 18 7 | 0n37 | 22 12 | 1 44 | 14 24 | 1 28 | 1 46 | 0 4 | 19 13 | 0 45 | 22 19 | 1 1 | 18 34 | 0 42 | 4 22 | 1 24 | 3 49 | 16 6 | 16 51 | 16 26 | 19 23 | 17 26 | 2 35 |
| W31 | 22s38 | 19s54 | 1n52 | 21s45 | 1s38 | 13s58 | 1s26 | 2n 2 | 0n 5 | 19s 9 | 0s45 | 22n19 | 1s 1 | 18n35 | 0n42 | 4n22 | 1n24 | 3s49 | 16s 5 | 16s50 | 16s25 | 19n22 | 17s27 | 2n35 |

Julian Day Number = 2130106.5, Delta T = 16m41s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'15, Lahiri = 11°35'15 Julian Calendar 1 Dec. 1119 == Greg. Calendar 8 Dec. 1119


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## JANUARY 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 4 11 | 16♉40'05 | 22♐57 | 2♒ 2 | 28♒ 3 | 5♈32 | 7♒56 | 22°R16 | 9°R38 | 22°R16 | 29°R15 | 16°R23 | 14♏57 | 6♋32 | 28♏52 | T 1 |
| F 2 | 7 8 7 | 17°41'12 | 8♉11 | 3°36 | 29°14 | 6°10 | 8°10 | 22♊12 | 9♌36 | 22♍15 | 29♈15 | 16♏16 | 14°53 | 6°38 | 28°58 | F 2 |
| S 3 | 7 12 4 | 18°42'19 | 23°30 | 5° 8 | 0♓25 | 6°49 | 8°23 | 22° 8 | 9°33 | 22°15 | 29°14 | 16° 7 | 14°50 | 6°45 | 29° 4 | S 3 |
| S 4 | 7 16 1 | 19°43'24 | 8♒43 | 6°38 | 1°35 | 7°27 | 8°37 | 22° 4 | 9°31 | 22°14 | 29°14 | 15°57 | 14°47 | 6°52 | 29° 9 | S 4 |
| M 5 | 7 19 57 | 20°44'29 | 23°38 | 8° 5 | 2°46 | 8° 5 | 8°52 | 22° 0 | 9°28 | 22°14 | 29°14 | 15°47 | 14°44 | 6°58 | 29°15 | M 5 |
| T 6 | 7 23 54 | 21°45'32 | 8♓ 9 | 9°29 | 3°57 | 8°44 | 9° 6 | 21°56 | 9°26 | 22°13 | 29°14 | 15°38 | 14°41 | 7° 5 | 29°21 | T 6 |
| W 7 | 7 27 50 | 22°46'34 | 22°10 | 10°48 | 5° 7 | 9°22 | 9°20 | 21°52 | 9°23 | 22°12 | 29°D14 | 15°32 | 14°38 | 7°12 | 29°26 | W 7 |
| T 8 | 7 31 47 | 23°47'35 | 5♈41 | 12° 3 | 6°17 | 10° 1 | 9°34 | 21°48 | 9°21 | 22°12 | 29°14 | 15°28 | 14°34 | 7°19 | 29°32 | T 8 |
| F 9 | 7 35 43 | 24°48'35 | 18°43 | 13°12 | 7°27 | 10°39 | 9°48 | 21°44 | 9°18 | 22°11 | 29°14 | 15°27 | 14°31 | 7°25 | 29°37 | F 9 |
| S 10 | 7 39 40 | 25°49'34 | 1♉21 | 14°15 | 8°37 | 11°18 | 10° 2 | 21°41 | 9°16 | 22°10 | 29°14 | 15°D27 | 14°28 | 7°32 | 29°43 | S 10 |
| S 11 | 7 43 36 | 26°50'31 | 13°39 | 15°11 | 9°47 | 11°56 | 10°16 | 21°37 | 9°13 | 22° 9 | 29°14 | 15°R27 | 14°25 | 7°39 | 29°48 | S 11 |
| M12 | 7 47 33 | 27°51'27 | 25°43 | 15°58 | 10°57 | 12°35 | 10°30 | 21°33 | 9°11 | 22° 9 | 29°15 | 15°27 | 14°22 | 7°45 | 29°53 | M12 |
| T 13 | 7 51 30 | 28°52'22 | 7♊37 | 16°38 | 12° 7 | 13°13 | 10°45 | 21°30 | 9° 8 | 22° 8 | 29°15 | 15°24 | 14°19 | 7°52 | 29°58 | T 13 |
| W14 | 7 55 26 | 29°53'15 | 19°27 | 17° 7 | 13°16 | 13°52 | 10°59 | 21°27 | 9° 6 | 22° 7 | 29°15 | 15°19 | 14°15 | 7°59 | 0♐ 3 | W14 |
| T 15 | 7 59 23 | 0♒54'07 | 1♋16 | 17°27 | 14°25 | 14°31 | 11°13 | 21°23 | 9° 3 | 22° 6 | 29°15 | 15°12 | 14°12 | 8° 5 | 0° 8 | T 15 |
| F 16 | 8 3 19 | 1°54'58 | 13° 6 | 17°R35 | 15°34 | 15° 9 | 11°28 | 21°20 | 9° 0 | 22° 5 | 29°15 | 15° 1 | 14° 9 | 8°12 | 0°13 | F 16 |
| S 17 | 8 7 16 | 2°55'48 | 25° 1 | 17°33 | 16°43 | 15°48 | 11°42 | 21°17 | 8°58 | 22° 4 | 29°15 | 14°48 | 14° 6 | 8°19 | 0°18 | S 17 |
| S 18 | 8 11 12 | 3°56'36 | 7♌ 1 | 17°20 | 17°52 | 16°26 | 11°56 | 21°14 | 8°55 | 22° 3 | 29°16 | 14°34 | 14° 3 | 8°26 | 0°23 | S 18 |
| M19 | 8 15 9 | 4°57'23 | 19° 7 | 16°56 | 19° 1 | 17° 5 | 12°10 | 21°11 | 8°53 | 22° 2 | 29°16 | 14°19 | 13°59 | 8°32 | 0°28 | M19 |
| T 20 | 8 19 5 | 5°58'08 | 1♍21 | 16°22 | 20° 9 | 17°44 | 12°25 | 21° 8 | 8°50 | 22° 1 | 29°16 | 14° 6 | 13°56 | 8°39 | 0°32 | T 20 |
| W21 | 8 23 2 | 6°58'53 | 13°43 | 15°38 | 21°17 | 18°22 | 12°39 | 21° 6 | 8°47 | 22° 0 | 29°16 | 13°54 | 13°53 | 8°46 | 0°37 | W21 |
| T 22 | 8 26 59 | 7°59'36 | 26°15 | 14°45 | 22°25 | 19° 1 | 12°54 | 21° 3 | 8°45 | 21°59 | 29°17 | 13°46 | 13°50 | 8°52 | 0°41 | T 22 |
| F 23 | 8 30 55 | 9° 0'18 | 8♎59 | 13°46 | 23°33 | 19°40 | 13° 8 | 21° 1 | 8°42 | 21°58 | 29°17 | 13°40 | 13°47 | 8°59 | 0°45 | F 23 |
| S 24 | 8 34 52 | 10° 0'58 | 21°57 | 12°42 | 24°40 | 20°19 | 13°22 | 20°58 | 8°39 | 21°57 | 29°17 | 13°37 | 13°44 | 9° 6 | 0°50 | S 24 |
| S 25 | 8 38 48 | 11° 1'38 | 5♏11 | 11°33 | 25°48 | 20°57 | 13°37 | 20°56 | 8°37 | 21°56 | 29°18 | 13°37 | 13°40 | 9°12 | 0°54 | S 25 |
| M26 | 8 42 45 | 12° 2'16 | 18°46 | 10°24 | 26°55 | 21°36 | 13°51 | 20°54 | 8°34 | 21°55 | 29°18 | 13°37 | 13°37 | 9°19 | 0°58 | M26 |
| T 27 | 8 46 41 | 13° 2'54 | 2♐42 | 9°15 | 28° 2 | 22°15 | 14° 6 | 20°52 | 8°32 | 21°54 | 29°19 | 13°36 | 13°34 | 9°26 | 1° 2 | T 27 |
| W28 | 8 50 38 | 14° 3'30 | 17° 0 | 8° 7 | 29° 9 | 22°53 | 14°20 | 20°50 | 8°29 | 21°52 | 29°19 | 13°33 | 13°31 | 9°33 | 1° 6 | W28 |
| T 29 | 8 54 34 | 15° 4'05 | 1♑39 | 7° 4 | 0♈15 | 23°32 | 14°34 | 20°48 | 8°26 | 21°51 | 29°20 | 13°28 | 13°28 | 9°39 | 1°10 | T 29 |
| F 30 | 8 58 31 | 16° 4'38 | 16°35 | 6° 5 | 1°21 | 24°11 | 14°49 | 20°46 | 8°24 | 21°50 | 29°20 | 13°20 | 13°25 | 9°46 | 1°13 | F 30 |
| S 31 | 9 2 28 | 17♒ 5'10 | 1♒39 | 5♒12 | 2♈27 | 24♈50 | 15♒ 3 | 20♊44 | 8♌21 | 21♍49 | 29♈21 | 13♏10 | 13♏21 | 9♋53 | 1♐17 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s30 | 20s20 | 3n 2 | 21s18 | 1s32 | 13s31 | 1s23 | 2n18 | 0n 6 | 19s 5 | 0s45 | 22n19 | 1s 1 | 18n36 | 0n42 | 4n22 | 1n24 | 3s48 | 16s 5 | 16s49 | 16s24 | 19n22 | 17s28 | 2n36 |
| F 2 | 22 23 | 19 19 | 4 0 | 20 49 | 1 25 | 13 3 | 1 20 | 2 34 | 0 7 | 19 2 | 0 45 | 22 19 | 1 0 | 18 36 | 0 42 | 4 23 | 1 24 | 3 48 | 16 5 | 16 47 | 16 23 | 19 21 | 17 29 | 2 36 |
| S 3 | 22 14 | 16 53 | 4 40 | 20 18 | 1 16 | 12 35 | 1 18 | 2 51 | 0 8 | 18 58 | 0 45 | 22 19 | 1 0 | 18 37 | 0 42 | 4 23 | 1 24 | 3 48 | 16 4 | 16 44 | 16 22 | 19 20 | 17 30 | 2 37 |
| S 4 | 22 6 | 13 19 | 5 1 | 19 47 | 1 7 | 12 7 | 1 15 | 3 7 | 0 9 | 18 55 | 0 45 | 22 19 | 1 0 | 18 37 | 0 42 | 4 23 | 1 24 | 3 47 | 16 4 | 16 41 | 16 21 | 19 19 | 17 31 | 2 37 |
| M 5 | 21 57 | 8 58 | 5 1 | 19 15 | 0 58 | 11 39 | 1 12 | 3 23 | 0 11 | 18 51 | 0 45 | 22 19 | 1 0 | 18 38 | 0 42 | 4 23 | 1 24 | 3 47 | 16 3 | 16 38 | 16 20 | 19 18 | 17 31 | 2 37 |
| T 6 | 21 47 | 4 13 | 4 41 | 18 43 | 0 47 | 11 11 | 1 9 | 3 39 | 0 12 | 18 47 | 0 45 | 22 19 | 1 0 | 18 39 | 0 42 | 4 24 | 1 25 | 3 47 | 16 3 | 16 36 | 16 19 | 19 17 | 17 32 | 2 38 |
| W 7 | 21 37 | 0n37 | 4 4 | 18 10 | 0 35 | 10 42 | 1 6 | 3 55 | 0 13 | 18 44 | 0 45 | 22 19 | 1 0 | 18 40 | 0 42 | 4 24 | 1 25 | 3 46 | 16 3 | 16 34 | 16 18 | 19 16 | 17 33 | 2 38 |
| T 8 | 21 27 | 5 15 | 3 15 | 17 37 | 0 22 | 10 13 | 1 2 | 4 12 | 0 14 | 18 40 | 0 45 | 22 18 | 0 59 | 18 40 | 0 42 | 4 24 | 1 25 | 3 46 | 16 2 | 16 33 | 16 17 | 19 15 | 17 34 | 2 39 |
| F 9 | 21 16 | 9 29 | 2 17 | 17 4 | 0 9 | 9 44 | 0 59 | 4 28 | 0 15 | 18 36 | 0 45 | 22 18 | 0 59 | 18 41 | 0 42 | 4 25 | 1 25 | 3 46 | 16 2 | 16 33 | 16 16 | 19 14 | 17 34 | 2 39 |
| S 10 | 21 5 | 13 9 | 1 14 | 16 33 | 0n 6 | 9 14 | 0 56 | 4 44 | 0 16 | 18 32 | 0 45 | 22 18 | 0 59 | 18 42 | 0 42 | 4 25 | 1 25 | 3 45 | 16 2 | 16 33 | 16 15 | 19 14 | 17 35 | 2 39 |
| S 11 | 20 53 | 16 10 | 0 10 | 16 2 | 0 21 | 8 44 | 0 52 | 5 0 | 0 17 | 18 28 | 0 45 | 22 18 | 0 59 | 18 42 | 0 42 | 4 25 | 1 25 | 3 45 | 16 1 | 16 33 | 16 14 | 19 13 | 17 36 | 2 40 |
| M12 | 20 41 | 18 24 | 0s54 | 15 32 | 0 37 | 8 15 | 0 49 | 5 16 | 0 18 | 18 25 | 0 45 | 22 18 | 0 59 | 18 43 | 0 42 | 4 26 | 1 25 | 3 45 | 16 1 | 16 33 | 16 13 | 19 12 | 17 37 | 2 40 |
| T 13 | 20 29 | 19 48 | 1 55 | 15 5 | 0 53 | 7 45 | 0 45 | 5 32 | 0 19 | 18 21 | 0 45 | 22 18 | 0 59 | 18 44 | 0 42 | 4 26 | 1 25 | 3 44 | 16 1 | 16 32 | 16 12 | 19 11 | 17 37 | 2 41 |
| W14 | 20 16 | 20 18 | 2 50 | 14 40 | 1 10 | 7 14 | 0 41 | 5 48 | 0 20 | 18 17 | 0 45 | 22 18 | 0 58 | 18 44 | 0 42 | 4 26 | 1 25 | 3 44 | 16 0 | 16 30 | 16 11 | 19 10 | 17 38 | 2 41 |
| T 15 | 20 3 | 19 55 | 3 37 | 14 17 | 1 28 | 6 44 | 0 37 | 6 4 | 0 21 | 18 13 | 0 45 | 22 18 | 0 58 | 18 45 | 0 42 | 4 27 | 1 25 | 3 44 | 16 0 | 16 28 | 16 11 | 19 9 | 17 38 | 2 42 |
| F 16 | 19 50 | 18 40 | 4 15 | 13 58 | 1 45 | 6 14 | 0 33 | 6 20 | 0 21 | 18 9 | 0 45 | 22 18 | 0 58 | 18 46 | 0 42 | 4 27 | 1 25 | 3 43 | 16 0 | 16 25 | 16 10 | 19 8 | 17 39 | 2 42 |
| S 17 | 19 36 | 16 36 | 4 43 | 13 42 | 2 2 | 5 43 | 0 29 | 6 35 | 0 22 | 18 5 | 0 45 | 22 18 | 0 58 | 18 46 | 0 42 | 4 28 | 1 25 | 3 43 | 15 59 | 16 21 | 16 9 | 19 7 | 17 40 | 2 43 |
| S 18 | 19 22 | 13 49 | 4 57 | 13 30 | 2 19 | 5 12 | 0 25 | 6 51 | 0 23 | 18 1 | 0 46 | 22 18 | 0 58 | 18 47 | 0 42 | 4 28 | 1 25 | 3 42 | 15 59 | 16 17 | 16 8 | 19 6 | 17 40 | 2 43 |
| M19 | 19 7 | 10 25 | 4 59 | 13 22 | 2 35 | 4 41 | 0 21 | 7 7 | 0 24 | 17 57 | 0 46 | 22 18 | 0 58 | 18 48 | 0 42 | 4 29 | 1 25 | 3 42 | 15 59 | 16 13 | 16 7 | 19 5 | 17 41 | 2 43 |
| T 20 | 18 52 | 6 35 | 4 47 | 13 18 | 2 50 | 4 11 | 0 17 | 7 22 | 0 25 | 17 53 | 0 46 | 22 18 | 0 57 | 18 49 | 0 42 | 4 29 | 1 25 | 3 42 | 15 58 | 16 9 | 16 6 | 19 4 | 17 41 | 2 44 |
| W21 | 18 37 | 2 25 | 4 21 | 13 17 | 3 4 | 3 40 | 0 12 | 7 38 | 0 26 | 17 49 | 0 46 | 22 18 | 0 57 | 18 49 | 0 42 | 4 29 | 1 25 | 3 41 | 15 58 | 16 5 | 16 5 | 19 3 | 17 42 | 2 44 |
| T 22 | 18 21 | 1s54 | 3 42 | 13 21 | 3 16 | 3 9 | 0 8 | 7 54 | 0 27 | 17 45 | 0 46 | 22 18 | 0 57 | 18 50 | 0 42 | 4 30 | 1 25 | 3 41 | 15 58 | 16 3 | 16 4 | 19 2 | 17 42 | 2 45 |
| F 23 | 18 5 | 6 13 | 2 52 | 13 28 | 3 27 | 2 38 | 0 3 | 8 9 | 0 28 | 17 41 | 0 46 | 22 18 | 0 57 | 18 51 | 0 42 | 4 30 | 1 25 | 3 40 | 15 57 | 16 1 | 16 3 | 19 2 | 17 43 | 2 45 |
| S 24 | 17 49 | 10 19 | 1 52 | 13 39 | 3 35 | 2 6 | 0n 1 | 8 25 | 0 28 | 17 37 | 0 46 | 22 18 | 0 57 | 18 51 | 0 42 | 4 31 | 1 25 | 3 40 | 15 57 | 16 0 | 16 2 | 19 1 | 17 43 | 2 46 |
| S 25 | 17 33 | 14 1 | 0 44 | 13 52 | 3 41 | 1 35 | 0 6 | 8 40 | 0 29 | 17 33 | 0 46 | 22 18 | 0 56 | 18 52 | 0 42 | 4 31 | 1 25 | 3 39 | 15 56 | 16 0 | 16 1 | 19 0 | 17 43 | 2 46 |
| M26 | 17 16 | 17 3 | 0n27 | 14 7 | 3 44 | 1 4 | 0 11 | 8 55 | 0 30 | 17 29 | 0 46 | 22 18 | 0 56 | 18 53 | 0 42 | 4 32 | 1 25 | 3 39 | 15 56 | 16 0 | 16 0 | 18 59 | 17 44 | 2 47 |
| T 27 | 16 59 | 19 11 | 1 39 | 14 24 | 3 45 | 0 33 | 0 15 | 9 11 | 0 31 | 17 25 | 0 46 | 22 18 | 0 56 | 18 53 | 0 42 | 4 32 | 1 25 | 3 38 | 15 56 | 16 0 | 15 59 | 18 58 | 17 44 | 2 47 |
| W28 | 16 41 | 20 9 | 2 47 | 14 43 | 3 44 | 0 2 | 0 20 | 9 26 | 0 32 | 17 21 | 0 46 | 22 18 | 0 56 | 18 54 | 0 42 | 4 33 | 1 26 | 3 38 | 15 55 | 15 59 | 15 58 | 18 57 | 17 44 | 2 48 |
| T 29 | 16 24 | 19 48 | 3 45 | 15 2 | 3 41 | 0n29 | 0 25 | 9 41 | 0 32 | 17 16 | 0 46 | 22 18 | 0 56 | 18 55 | 0 42 | 4 33 | 1 26 | 3 38 | 15 55 | 15 57 | 15 57 | 18 56 | 17 45 | 2 48 |
| F 30 | 16 6 | 18 4 | 4 29 | 15 22 | 3 35 | 1 0 | 0 30 | 9 56 | 0 33 | 17 12 | 0 46 | 22 18 | 0 55 | 18 56 | 0 42 | 4 34 | 1 26 | 3 37 | 15 55 | 15 55 | 15 56 | 18 55 | 17 45 | 2 49 |
| S 31 | 15s47 | 15s 6 | 4n54 | 15s41 | 3n28 | 1n31 | 0n35 | 10n11 | 0n34 | 17s 8 | 0s46 | 22n18 | 0s55 | 18n56 | 0n42 | 4n34 | 1n26 | 3s37 | 15s54 | 15s52 | 15s55 | 18n54 | 17s45 | 2n49 |

Julian Day Number = 2130137.5, Delta T = 16m41s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'19, Lahiri = 11°35'19 Julian Calendar 1 Jan. 1120 == Greg. Calendar 8 Jan. 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## FEBRUARY 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 6 24 | 18♒ 5'41 | 16♒43 | 4°R26 | 3♈33 | 25♈28 | 15♒18 | 20°R43 | 8°R19 | 21°R47 | 29♈21 | 12°R58 | 13♏18 | 9♋59 | 1♐21 | S 1 |
| M 2 | 9 10 21 | 19° 6'09 | 1♓35 | 3♒46 | 4°39 | 26° 7 | 15°32 | 20♊41 | 8♌16 | 21♍46 | 29°22 | 12♏46 | 13°15 | 10° 6 | 1°24 | M 2 |
| T 3 | 9 14 17 | 20° 6'36 | 16° 7 | 3°15 | 5°44 | 26°46 | 15°46 | 20°40 | 8°13 | 21°45 | 29°22 | 12°36 | 13°12 | 10°13 | 1°28 | T 3 |
| W 4 | 9 18 14 | 21° 7'01 | 0♈13 | 2°50 | 6°49 | 27°25 | 16° 1 | 20°39 | 8°11 | 21°43 | 29°23 | 12°28 | 13° 9 | 10°19 | 1°31 | W 4 |
| T 5 | 9 22 10 | 22° 7'25 | 13°51 | 2°33 | 7°54 | 28° 4 | 16°15 | 20°38 | 8° 8 | 21°42 | 29°23 | 12°22 | 13° 5 | 10°26 | 1°34 | T 5 |
| F 6 | 9 26 7 | 23° 7'46 | 26°59 | 2°24 | 8°58 | 28°42 | 16°29 | 20°37 | 8° 6 | 21°40 | 29°24 | 12°20 | 13° 2 | 10°33 | 1°37 | F 6 |
| S 7 | 9 30 3 | 24° 8'05 | 9♉43 | 2°D21 | 10° 2 | 29°21 | 16°44 | 20°36 | 8° 3 | 21°39 | 29°25 | 12°D19 | 12°59 | 10°40 | 1°40 | S 7 |
| S 8 | 9 34 0 | 25° 8'22 | 22° 5 | 2°25 | 11° 6 | 0♉ 0 | 16°58 | 20°35 | 8° 1 | 21°38 | 29°25 | 12°R19 | 12°56 | 10°46 | 1°43 | S 8 |
| M 9 | 9 37 57 | 26° 8'37 | 4♊10 | 2°35 | 12° 9 | 0°39 | 17°13 | 20°34 | 7°58 | 21°36 | 29°26 | 12°19 | 12°53 | 10°53 | 1°46 | M 9 |
| T 10 | 9 41 53 | 27° 8'50 | 16° 6 | 2°51 | 13°13 | 1°18 | 17°27 | 20°34 | 7°56 | 21°35 | 29°27 | 12°17 | 12°50 | 11° 0 | 1°48 | T 10 |
| W11 | 9 45 50 | 28° 9'01 | 27°56 | 3°12 | 14°15 | 1°56 | 17°41 | 20°33 | 7°54 | 21°33 | 29°27 | 12°13 | 12°46 | 11° 6 | 1°51 | W11 |
| T 12 | 9 49 46 | 29° 9'10 | 9♋45 | 3°39 | 15°18 | 2°35 | 17°55 | 20°33 | 7°51 | 21°32 | 29°28 | 12° 7 | 12°43 | 11°13 | 1°54 | T 12 |
| F 13 | 9 53 43 | 0♓ 9'17 | 21°38 | 4°11 | 16°20 | 3°14 | 18°10 | 20°33 | 7°49 | 21°30 | 29°29 | 11°57 | 12°40 | 11°20 | 1°56 | F 13 |
| S 14 | 9 57 39 | 1° 9'21 | 3♌37 | 4°47 | 17°22 | 3°53 | 18°24 | 20°32 | 7°46 | 21°29 | 29°30 | 11°46 | 12°37 | 11°26 | 1°58 | S 14 |
| S 15 | 10 1 36 | 2° 9'24 | 15°44 | 5°27 | 18°23 | 4°32 | 18°38 | 20°D32 | 7°44 | 21°27 | 29°30 | 11°33 | 12°34 | 11°33 | 2° 0 | S 15 |
| M16 | 10 5 32 | 3° 9'24 | 28° 2 | 6°11 | 19°24 | 5°10 | 18°52 | 20°33 | 7°42 | 21°26 | 29°31 | 11°20 | 12°30 | 11°40 | 2° 3 | M16 |
| T 17 | 10 9 29 | 4° 9'23 | 10♍30 | 6°59 | 20°24 | 5°49 | 19° 6 | 20°33 | 7°39 | 21°24 | 29°32 | 11° 8 | 12°27 | 11°47 | 2° 5 | T 17 |
| W18 | 10 13 26 | 5° 9'19 | 23° 8 | 7°50 | 21°24 | 6°28 | 19°21 | 20°33 | 7°37 | 21°23 | 29°33 | 10°58 | 12°24 | 11°53 | 2° 6 | W18 |
| T 19 | 10 17 22 | 6° 9'14 | 5♎58 | 8°44 | 22°24 | 7° 7 | 19°35 | 20°34 | 7°35 | 21°21 | 29°34 | 10°50 | 12°21 | 12° 0 | 2° 8 | T 19 |
| F 20 | 10 21 19 | 7° 9'07 | 18°58 | 9°41 | 23°23 | 7°45 | 19°49 | 20°34 | 7°33 | 21°19 | 29°35 | 10°46 | 12°18 | 12° 7 | 2°10 | F 20 |
| S 21 | 10 25 15 | 8° 8'58 | 2♏10 | 10°41 | 24°22 | 8°24 | 20° 3 | 20°35 | 7°31 | 21°18 | 29°36 | 10°43 | 12°15 | 12°13 | 2°12 | S 21 |
| S 22 | 10 29 12 | 9° 8'48 | 15°34 | 11°44 | 25°20 | 9° 3 | 20°17 | 20°36 | 7°29 | 21°16 | 29°37 | 10°D43 | 12°11 | 12°20 | 2°13 | S 22 |
| M23 | 10 33 8 | 10° 8'35 | 29°12 | 12°49 | 26°18 | 9°41 | 20°31 | 20°37 | 7°26 | 21°15 | 29°37 | 10°44 | 12° 8 | 12°27 | 2°15 | M23 |
| T 24 | 10 37 5 | 11° 8'21 | 13♐ 4 | 13°56 | 27°15 | 10°20 | 20°45 | 20°38 | 7°24 | 21°13 | 29°38 | 10°R44 | 12° 5 | 12°33 | 2°16 | T 24 |
| W25 | 10 41 1 | 12° 8'06 | 27°11 | 15° 6 | 28°11 | 10°59 | 20°59 | 20°39 | 7°22 | 21°11 | 29°39 | 10°43 | 12° 2 | 12°40 | 2°17 | W25 |
| T 26 | 10 44 58 | 13° 7'48 | 11♑32 | 16°17 | 29° 7 | 11°38 | 21°13 | 20°40 | 7°20 | 21°10 | 29°40 | 10°40 | 11°59 | 12°47 | 2°18 | T 26 |
| F 27 | 10 48 54 | 14° 7'29 | 26° 5 | 17°31 | 0♉ 3 | 12°16 | 21°27 | 20°41 | 7°18 | 21° 8 | 29°41 | 10°35 | 11°56 | 12°54 | 2°19 | F 27 |
| S 28 | 10 52 51 | 15° 7'08 | 10♒43 | 18°47 | 0°58 | 12°55 | 21°40 | 20°43 | 7°16 | 21° 6 | 29°42 | 10°27 | 11°52 | 13° 0 | 2°20 | S 28 |
| S 29 | 10 56 48 | 16♓ 6'45 | 25♒22 | 20♒ 4 | 1♉52 | 13♉34 | 21♒54 | 20♊44 | 7♌15 | 21♍ 5 | 29♈43 | 10♏18 | 11♏49 | 13♋ 7 | 2♐21 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s29 | 11s 8 | 5n 0 | 16s 1 | 3n20 | 2n 2 | 0n40 | 10n26 | 0n35 | 17s 4 | 0s46 | 22n19 | 0s55 | 18n57 | 0n42 | 4n35 | 1n26 | 3s36 | 15s54 | 15s48 | 15s54 | 18n53 | 17s45 | 2n50 |
| M 2 | 15 10 | 6 32 | 4 44 | 16 19 | 3 10 | 2 33 | 0 46 | 10 41 | 0 35 | 17 0 | 0 47 | 22 19 | 0 55 | 18 58 | 0 42 | 4 36 | 1 26 | 3 36 | 15 54 | 15 45 | 15 53 | 18 52 | 17 46 | 2 50 |
| T 3 | 14 51 | 1 39 | 4 11 | 16 37 | 2 59 | 3 4 | 0 51 | 10 56 | 0 36 | 16 55 | 0 47 | 22 19 | 0 55 | 18 58 | 0 42 | 4 36 | 1 26 | 3 35 | 15 53 | 15 41 | 15 52 | 18 51 | 17 46 | 2 51 |
| W 4 | 14 32 | 3n11 | 3 23 | 16 54 | 2 47 | 3 35 | 0 56 | 11 10 | 0 37 | 16 51 | 0 47 | 22 19 | 0 55 | 18 59 | 0 42 | 4 37 | 1 26 | 3 35 | 15 53 | 15 39 | 15 51 | 18 50 | 17 46 | 2 51 |
| T 5 | 14 12 | 7 42 | 2 25 | 17 10 | 2 35 | 4 5 | 1 1 | 11 25 | 0 37 | 16 47 | 0 47 | 22 19 | 0 54 | 19 0 | 0 42 | 4 37 | 1 26 | 3 34 | 15 53 | 15 37 | 15 50 | 18 49 | 17 46 | 2 52 |
| F 6 | 13 52 | 11 42 | 1 20 | 17 24 | 2 23 | 4 36 | 1 7 | 11 39 | 0 38 | 16 43 | 0 47 | 22 19 | 0 54 | 19 0 | 0 42 | 4 38 | 1 26 | 3 34 | 15 52 | 15 36 | 15 50 | 18 48 | 17 46 | 2 52 |
| S 7 | 13 32 | 15 1 | 0 14 | 17 37 | 2 10 | 5 6 | 1 12 | 11 54 | 0 39 | 16 39 | 0 47 | 22 19 | 0 54 | 19 1 | 0 42 | 4 38 | 1 26 | 3 33 | 15 52 | 15 36 | 15 49 | 18 47 | 17 46 | 2 53 |
| S 8 | 13 12 | 17 33 | 0s52 | 17 49 | 1 57 | 5 36 | 1 18 | 12 8 | 0 39 | 16 34 | 0 47 | 22 19 | 0 54 | 19 1 | 0 42 | 4 39 | 1 26 | 3 33 | 15 52 | 15 36 | 15 48 | 18 46 | 17 46 | 2 53 |
| M 9 | 12 52 | 19 14 | 1 53 | 18 0 | 1 44 | 6 6 | 1 23 | 12 23 | 0 40 | 16 30 | 0 47 | 22 19 | 0 54 | 19 2 | 0 42 | 4 40 | 1 26 | 3 32 | 15 52 | 15 36 | 15 47 | 18 45 | 17 47 | 2 54 |
| T 10 | 12 31 | 20 1 | 2 49 | 18 9 | 1 31 | 6 36 | 1 29 | 12 37 | 0 41 | 16 26 | 0 47 | 22 20 | 0 53 | 19 3 | 0 42 | 4 40 | 1 26 | 3 31 | 15 51 | 15 36 | 15 46 | 18 44 | 17 47 | 2 54 |
| W11 | 12 10 | 19 55 | 3 37 | 18 16 | 1 18 | 7 6 | 1 35 | 12 51 | 0 41 | 16 21 | 0 47 | 22 20 | 0 53 | 19 3 | 0 42 | 4 41 | 1 26 | 3 31 | 15 51 | 15 34 | 15 45 | 18 43 | 17 47 | 2 55 |
| T 12 | 11 49 | 18 57 | 4 15 | 18 23 | 1 5 | 7 35 | 1 40 | 13 5 | 0 42 | 16 17 | 0 47 | 22 20 | 0 53 | 19 4 | 0 42 | 4 41 | 1 26 | 3 30 | 15 51 | 15 32 | 15 44 | 18 42 | 17 47 | 2 55 |
| F 13 | 11 28 | 17 9 | 4 43 | 18 27 | 0 52 | 8 5 | 1 46 | 13 19 | 0 43 | 16 13 | 0 48 | 22 20 | 0 53 | 19 5 | 0 42 | 4 42 | 1 26 | 3 30 | 15 50 | 15 30 | 15 43 | 18 41 | 17 47 | 2 56 |
| S 14 | 11 7 | 14 36 | 4 58 | 18 31 | 0 40 | 8 34 | 1 52 | 13 33 | 0 43 | 16 8 | 0 48 | 22 20 | 0 53 | 19 5 | 0 42 | 4 43 | 1 26 | 3 29 | 15 50 | 15 26 | 15 42 | 18 40 | 17 46 | 2 56 |
| S 15 | 10 45 | 11 24 | 5 1 | 18 32 | 0 28 | 9 3 | 1 57 | 13 47 | 0 44 | 16 4 | 0 48 | 22 20 | 0 52 | 19 6 | 0 42 | 4 43 | 1 26 | 3 29 | 15 50 | 15 22 | 15 41 | 18 39 | 17 46 | 2 57 |
| M16 | 10 24 | 7 42 | 4 49 | 18 33 | 0 17 | 9 31 | 2 3 | 14 0 | 0 44 | 16 0 | 0 48 | 22 21 | 0 52 | 19 6 | 0 42 | 4 44 | 1 26 | 3 28 | 15 49 | 15 18 | 15 40 | 18 38 | 17 46 | 2 57 |
| T 17 | 10 2 | 3 36 | 4 23 | 18 32 | 0 5 | 10 0 | 2 9 | 14 14 | 0 45 | 15 55 | 0 48 | 22 21 | 0 52 | 19 7 | 0 42 | 4 45 | 1 26 | 3 28 | 15 49 | 15 14 | 15 39 | 18 37 | 17 46 | 2 58 |
| W18 | 9 40 | 0s42 | 3 45 | 18 29 | 0s 5 | 10 28 | 2 15 | 14 27 | 0 45 | 15 51 | 0 48 | 22 21 | 0 52 | 19 8 | 0 42 | 4 45 | 1 26 | 3 27 | 15 49 | 15 11 | 15 38 | 18 36 | 17 46 | 2 58 |
| T 19 | 9 18 | 5 2 | 2 54 | 18 25 | 0 16 | 10 56 | 2 21 | 14 40 | 0 46 | 15 47 | 0 48 | 22 21 | 0 52 | 19 8 | 0 42 | 4 46 | 1 26 | 3 27 | 15 49 | 15 9 | 15 37 | 18 35 | 17 46 | 2 59 |
| F 20 | 8 56 | 9 12 | 1 53 | 18 19 | 0 26 | 11 24 | 2 27 | 14 54 | 0 47 | 15 42 | 0 48 | 22 22 | 0 51 | 19 9 | 0 42 | 4 47 | 1 26 | 3 26 | 15 48 | 15 7 | 15 36 | 18 34 | 17 46 | 2 59 |
| S 21 | 8 33 | 13 0 | 0 45 | 18 13 | 0 36 | 11 51 | 2 33 | 15 7 | 0 47 | 15 38 | 0 48 | 22 22 | 0 51 | 19 9 | 0 42 | 4 47 | 1 26 | 3 25 | 15 48 | 15 7 | 15 35 | 18 33 | 17 46 | 3 0 |
| S 22 | 8 11 | 16 10 | 0n26 | 18 4 | 0 45 | 12 18 | 2 38 | 15 20 | 0 48 | 15 34 | 0 49 | 22 22 | 0 51 | 19 10 | 0 42 | 4 48 | 1 26 | 3 25 | 15 48 | 15 7 | 15 34 | 18 32 | 17 45 | 3 0 |
| M23 | 7 48 | 18 30 | 1 37 | 17 54 | 0 54 | 12 45 | 2 44 | 15 33 | 0 48 | 15 29 | 0 49 | 22 22 | 0 51 | 19 10 | 0 42 | 4 49 | 1 26 | 3 24 | 15 47 | 15 7 | 15 33 | 18 31 | 17 45 | 3 1 |
| T 24 | 7 25 | 19 46 | 2 44 | 17 43 | 1 2 | 13 11 | 2 50 | 15 46 | 0 49 | 15 25 | 0 49 | 22 23 | 0 51 | 19 11 | 0 42 | 4 49 | 1 26 | 3 24 | 15 47 | 15 7 | 15 32 | 18 30 | 17 45 | 3 1 |
| W25 | 7 2 | 19 49 | 3 42 | 17 30 | 1 10 | 13 37 | 2 56 | 15 58 | 0 49 | 15 20 | 0 49 | 22 23 | 0 50 | 19 11 | 0 42 | 4 50 | 1 26 | 3 23 | 15 47 | 15 7 | 15 31 | 18 29 | 17 44 | 3 2 |
| T 26 | 6 40 | 18 37 | 4 27 | 17 16 | 1 18 | 14 3 | 3 2 | 16 11 | 0 50 | 15 16 | 0 49 | 22 23 | 0 50 | 19 12 | 0 42 | 4 50 | 1 26 | 3 23 | 15 47 | 15 6 | 15 30 | 18 28 | 17 44 | 3 3 |
| F 27 | 6 16 | 16 11 | 4 56 | 17 0 | 1 25 | 14 28 | 3 8 | 16 23 | 0 50 | 15 12 | 0 49 | 22 23 | 0 50 | 19 12 | 0 42 | 4 51 | 1 26 | 3 22 | 15 46 | 15 4 | 15 29 | 18 27 | 17 44 | 3 3 |
| S 28 | 5 53 | 12 44 | 5 5 | 16 43 | 1 32 | 14 53 | 3 14 | 16 36 | 0 51 | 15 7 | 0 49 | 22 24 | 0 50 | 19 13 | 0 42 | 4 52 | 1 26 | 3 21 | 15 46 | 15 2 | 15 28 | 18 25 | 17 43 | 3 4 |
| S 29 | 5s30 | 8s30 | 4n55 | 16s25 | 1s38 | 15n18 | 3n20 | 16n48 | 0n51 | 15s 3 | 0s49 | 22n24 | 0s50 | 19n13 | 0n42 | 4n52 | 1n26 | 3s21 | 15s46 | 14s59 | 15s27 | 18n24 | 17s43 | 3n 4 |

Julian Day Number = 2130168.5, Delta T = 16m41s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'23, Lahiri = 11°35'24 Julian Calendar 1 Feb. 1120 == Greg. Calendar 8 Feb. 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## MARCH 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 0 44 | 17♓ 6'20 | 9♓53 | 21♒23 | 2♉46 | 14♉12 | 22♒ 8 | 20♊46 | 7°R13 | 21°R 3 | 29♈44 | 10°R10 | 11♏46 | 13♋14 | 2♐21 | M 1 |
| T 2 | 11 4 41 | 18° 5'53 | 24°10 | 22°44 | 3°39 | 14°51 | 22°22 | 20°48 | 7♌11 | 21♍ 1 | 29°45 | 10♏ 2 | 11°43 | 13°20 | 2°22 | T 2 |
| W 3 | 11 8 37 | 19° 5'24 | 8♈ 7 | 24° 6 | 4°32 | 15°30 | 22°35 | 20°50 | 7° 9 | 21° 0 | 29°47 | 9°56 | 11°40 | 13°27 | 2°22 | W 3 |
| T 4 | 11 12 34 | 20° 4'53 | 21°40 | 25°30 | 5°23 | 16° 8 | 22°49 | 20°52 | 7° 7 | 20°58 | 29°48 | 9°52 | 11°36 | 13°34 | 2°23 | T 4 |
| F 5 | 11 16 30 | 21° 4'19 | 4♉49 | 26°56 | 6°14 | 16°47 | 23° 3 | 20°54 | 7° 6 | 20°56 | 29°49 | 9°D50 | 11°33 | 13°41 | 2°23 | F 5 |
| S 6 | 11 20 27 | 22° 3'43 | 17°34 | 28°23 | 7° 5 | 17°26 | 23°16 | 20°56 | 7° 4 | 20°55 | 29°50 | 9°50 | 11°30 | 13°47 | 2°23 | S 6 |
| S 7 | 11 24 23 | 23° 3'05 | 29°59 | 29°52 | 7°54 | 18° 4 | 23°30 | 20°58 | 7° 3 | 20°53 | 29°51 | 9°52 | 11°27 | 13°54 | 2°R23 | S 7 |
| M 8 | 11 28 20 | 24° 2'25 | 12♊ 9 | 1♓22 | 8°43 | 18°43 | 23°43 | 21° 1 | 7° 1 | 20°51 | 29°52 | 9°53 | 11°24 | 14° 1 | 2°23 | M 8 |
| T 9 | 11 32 17 | 25° 1'42 | 24° 8 | 2°53 | 9°30 | 19°22 | 23°56 | 21° 3 | 6°59 | 20°50 | 29°53 | 9°R54 | 11°21 | 14° 7 | 2°23 | T 9 |
| W10 | 11 36 13 | 26° 0'57 | 6♋ 0 | 4°26 | 10°17 | 20° 0 | 24°10 | 21° 6 | 6°58 | 20°48 | 29°54 | 9°53 | 11°17 | 14°14 | 2°23 | W10 |
| T 11 | 11 40 10 | 27° 0'09 | 17°51 | 6° 1 | 11° 3 | 20°39 | 24°23 | 21° 9 | 6°57 | 20°46 | 29°55 | 9°51 | 11°14 | 14°21 | 2°23 | T 11 |
| F 12 | 11 44 6 | 27°59'20 | 29°46 | 7°36 | 11°48 | 21°17 | 24°36 | 21°11 | 6°55 | 20°45 | 29°57 | 9°46 | 11°11 | 14°27 | 2°22 | F 12 |
| S 13 | 11 48 3 | 28°58'27 | 11♌49 | 9°14 | 12°32 | 21°56 | 24°49 | 21°14 | 6°54 | 20°43 | 29°58 | 9°41 | 11° 8 | 14°34 | 2°22 | S 13 |
| S 14 | 11 51 59 | 29°57'33 | 24° 3 | 10°52 | 13°15 | 22°35 | 25° 2 | 21°17 | 6°53 | 20°42 | 29°59 | 9°34 | 11° 5 | 14°41 | 2°21 | S 14 |
| M15 | 11 55 56 | 0♈56'36 | 6♍29 | 12°33 | 13°57 | 23°13 | 25°15 | 21°20 | 6°51 | 20°40 | 0♉ 0 | 9°27 | 11° 2 | 14°48 | 2°20 | M15 |
| T 16 | 11 59 52 | 1°55'37 | 19°11 | 14°14 | 14°38 | 23°52 | 25°28 | 21°24 | 6°50 | 20°38 | 0° 1 | 9°20 | 10°58 | 14°54 | 2°19 | T 16 |
| W17 | 12 3 49 | 2°54'36 | 2♎ 7 | 15°57 | 15°18 | 24°30 | 25°41 | 21°27 | 6°49 | 20°37 | 0° 3 | 9°15 | 10°55 | 15° 1 | 2°18 | W17 |
| T 18 | 12 7 45 | 3°53'33 | 15°17 | 17°42 | 15°56 | 25° 9 | 25°54 | 21°30 | 6°48 | 20°35 | 0° 4 | 9°11 | 10°52 | 15° 8 | 2°17 | T 18 |
| F 19 | 12 11 42 | 4°52'27 | 28°41 | 19°28 | 16°34 | 25°47 | 26° 7 | 21°34 | 6°47 | 20°33 | 0° 5 | 9° 9 | 10°49 | 15°14 | 2°16 | F 19 |
| S 20 | 12 15 39 | 5°51'20 | 12♏16 | 21°15 | 17°10 | 26°26 | 26°20 | 21°38 | 6°46 | 20°32 | 0° 6 | 9°D 8 | 10°46 | 15°21 | 2°15 | S 20 |
| S 21 | 12 19 35 | 6°50'11 | 26° 2 | 23° 4 | 17°44 | 27° 4 | 26°32 | 21°41 | 6°45 | 20°30 | 0° 8 | 9° 9 | 10°42 | 15°28 | 2°14 | S 21 |
| M22 | 12 23 32 | 7°49'01 | 9♐56 | 24°55 | 18°18 | 27°43 | 26°45 | 21°45 | 6°44 | 20°29 | 0° 9 | 9°11 | 10°39 | 15°35 | 2°12 | M22 |
| T 23 | 12 27 28 | 8°47'48 | 23°59 | 26°47 | 18°50 | 28°21 | 26°57 | 21°49 | 6°43 | 20°27 | 0°10 | 9°12 | 10°36 | 15°41 | 2°11 | T 23 |
| W24 | 12 31 25 | 9°46'34 | 8♑ 7 | 28°40 | 19°20 | 29° 0 | 27°10 | 21°53 | 6°43 | 20°26 | 0°11 | 9°R13 | 10°33 | 15°48 | 2° 9 | W24 |
| T 25 | 12 35 21 | 10°45'18 | 22°20 | 0♈35 | 19°49 | 29°38 | 27°22 | 21°57 | 6°42 | 20°24 | 0°13 | 9°12 | 10°30 | 15°55 | 2° 7 | T 25 |
| F 26 | 12 39 18 | 11°44'00 | 6♒35 | 2°31 | 20°16 | 0♊16 | 27°35 | 22° 1 | 6°41 | 20°23 | 0°14 | 9°11 | 10°27 | 16° 1 | 2° 6 | F 26 |
| S 27 | 12 43 14 | 12°42'41 | 20°50 | 4°29 | 20°42 | 0°55 | 27°47 | 22° 5 | 6°40 | 20°21 | 0°15 | 9° 8 | 10°23 | 16° 8 | 2° 4 | S 27 |
| S 28 | 12 47 11 | 13°41'20 | 5♓ 0 | 6°29 | 21° 6 | 1°33 | 27°59 | 22°10 | 6°40 | 20°20 | 0°17 | 9° 4 | 10°20 | 16°15 | 2° 2 | S 28 |
| M29 | 12 51 8 | 14°39'57 | 19° 3 | 8°30 | 21°28 | 2°12 | 28°11 | 22°14 | 6°39 | 20°18 | 0°18 | 9° 0 | 10°17 | 16°22 | 2° 0 | M29 |
| T 30 | 12 55 4 | 15°38'32 | 2♈53 | 10°32 | 21°48 | 2°50 | 28°23 | 22°19 | 6°39 | 20°17 | 0°19 | 8°57 | 10°14 | 16°28 | 1°58 | T 30 |
| W31 | 12 59 1 | 16♈37'05 | 16♈28 | 12♈35 | 22♉ 6 | 3♊28 | 28♒35 | 22♊23 | 6♌38 | 20♍15 | 0♉21 | 8♏55 | 10♏11 | 16♋35 | 1♐55 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s 7 | 3s48 | 4n26 | 16s 5 | 1s44 | 15n42 | 3n26 | 17n 0 | 0n52 | 14s59 | 0s49 | 22n24 | 0s50 | 19n14 | 0n42 | 4n53 | 1n26 | 3s20 | 15s46 | 14s56 | 15s26 | 18n23 | 17s43 | 3n 5 |
| T 2 | 4 44 | 1n 2 | 3 40 | 15 44 | 1 50 | 16 6 | 3 32 | 17 12 | 0 52 | 14 54 | 0 50 | 22 25 | 0 49 | 19 14 | 0 42 | 4 54 | 1 26 | 3 20 | 15 45 | 14 54 | 15 25 | 18 22 | 17 42 | 3 5 |
| W 3 | 4 20 | 5 43 | 2 42 | 15 21 | 1 55 | 16 30 | 3 37 | 17 24 | 0 53 | 14 50 | 0 50 | 22 25 | 0 49 | 19 14 | 0 42 | 4 54 | 1 26 | 3 19 | 15 45 | 14 52 | 15 24 | 18 21 | 17 42 | 3 6 |
| T 4 | 3 57 | 9 58 | 1 36 | 14 57 | 2 0 | 16 53 | 3 43 | 17 35 | 0 53 | 14 46 | 0 50 | 22 25 | 0 49 | 19 15 | 0 42 | 4 55 | 1 26 | 3 19 | 15 45 | 14 50 | 15 23 | 18 20 | 17 41 | 3 6 |
| F 5 | 3 33 | 13 37 | 0 27 | 14 32 | 2 4 | 17 16 | 3 49 | 17 47 | 0 53 | 14 41 | 0 50 | 22 26 | 0 49 | 19 15 | 0 42 | 4 56 | 1 26 | 3 18 | 15 45 | 14 50 | 15 22 | 18 19 | 17 41 | 3 7 |
| S 6 | 3 10 | 16 29 | 0s42 | 14 5 | 2 8 | 17 38 | 3 55 | 17 58 | 0 54 | 14 37 | 0 50 | 22 26 | 0 49 | 19 16 | 0 42 | 4 56 | 1 26 | 3 17 | 15 45 | 14 50 | 15 21 | 18 18 | 17 40 | 3 7 |
| S 7 | 2 46 | 18 30 | 1 47 | 13 37 | 2 11 | 18 0 | 4 0 | 18 10 | 0 54 | 14 33 | 0 50 | 22 26 | 0 48 | 19 16 | 0 42 | 4 57 | 1 26 | 3 17 | 15 44 | 14 50 | 15 20 | 18 17 | 17 40 | 3 8 |
| M 8 | 2 23 | 19 37 | 2 46 | 13 7 | 2 14 | 18 21 | 4 6 | 18 21 | 0 55 | 14 28 | 0 50 | 22 27 | 0 48 | 19 16 | 0 42 | 4 58 | 1 26 | 3 16 | 15 44 | 14 51 | 15 19 | 18 16 | 17 39 | 3 8 |
| T 9 | 1 59 | 19 49 | 3 36 | 12 36 | 2 16 | 18 42 | 4 12 | 18 32 | 0 55 | 14 24 | 0 51 | 22 27 | 0 48 | 19 17 | 0 42 | 4 58 | 1 26 | 3 16 | 15 44 | 14 51 | 15 18 | 18 15 | 17 39 | 3 9 |
| W10 | 1 35 | 19 8 | 4 17 | 12 4 | 2 18 | 19 2 | 4 17 | 18 43 | 0 56 | 14 20 | 0 51 | 22 27 | 0 48 | 19 17 | 0 41 | 4 59 | 1 26 | 3 15 | 15 44 | 14 51 | 15 17 | 18 14 | 17 38 | 3 9 |
| T 11 | 1 12 | 17 37 | 4 47 | 11 31 | 2 20 | 19 22 | 4 23 | 18 54 | 0 56 | 14 15 | 0 51 | 22 28 | 0 48 | 19 18 | 0 41 | 5 0 | 1 26 | 3 15 | 15 44 | 14 50 | 15 16 | 18 13 | 17 38 | 3 10 |
| F 12 | 0 48 | 15 20 | 5 5 | 10 56 | 2 21 | 19 41 | 4 28 | 19 4 | 0 56 | 14 11 | 0 51 | 22 28 | 0 48 | 19 18 | 0 41 | 5 0 | 1 26 | 3 14 | 15 43 | 14 49 | 15 15 | 18 11 | 17 37 | 3 11 |
| S 13 | 0 25 | 12 22 | 5 9 | 10 19 | 2 21 | 20 0 | 4 33 | 19 15 | 0 57 | 14 7 | 0 51 | 22 28 | 0 47 | 19 18 | 0 41 | 5 1 | 1 26 | 3 13 | 15 43 | 14 47 | 15 14 | 18 10 | 17 36 | 3 11 |
| S 14 | 0 1 | 8 51 | 5 0 | 9 42 | 2 21 | 20 19 | 4 39 | 19 25 | 0 57 | 14 2 | 0 51 | 22 29 | 0 47 | 19 18 | 0 41 | 5 2 | 1 26 | 3 13 | 15 43 | 14 45 | 15 13 | 18 9 | 17 36 | 3 12 |
| M15 | 0n23 | 4 54 | 4 36 | 9 3 | 2 21 | 20 36 | 4 44 | 19 36 | 0 58 | 13 58 | 0 51 | 22 29 | 0 47 | 19 19 | 0 41 | 5 2 | 1 26 | 3 12 | 15 43 | 14 42 | 15 12 | 18 8 | 17 35 | 3 12 |
| T 16 | 0 46 | 0 39 | 3 58 | 8 23 | 2 20 | 20 54 | 4 49 | 19 46 | 0 58 | 13 54 | 0 52 | 22 30 | 0 47 | 19 19 | 0 41 | 5 3 | 1 26 | 3 12 | 15 43 | 14 40 | 15 11 | 18 7 | 17 35 | 3 13 |
| W17 | 1 10 | 3s43 | 3 8 | 7 41 | 2 18 | 21 10 | 4 54 | 19 56 | 0 58 | 13 50 | 0 52 | 22 30 | 0 47 | 19 19 | 0 41 | 5 4 | 1 26 | 3 11 | 15 42 | 14 39 | 15 10 | 18 6 | 17 34 | 3 13 |
| T 18 | 1 33 | 7 59 | 2 6 | 6 59 | 2 16 | 21 27 | 4 59 | 20 5 | 0 59 | 13 45 | 0 52 | 22 30 | 0 46 | 19 20 | 0 41 | 5 4 | 1 26 | 3 11 | 15 42 | 14 37 | 15 9 | 18 5 | 17 33 | 3 14 |
| F 19 | 1 57 | 11 56 | 0 57 | 6 15 | 2 14 | 21 42 | 5 3 | 20 15 | 0 59 | 13 41 | 0 52 | 22 31 | 0 46 | 19 20 | 0 41 | 5 5 | 1 26 | 3 10 | 15 42 | 14 37 | 15 8 | 18 4 | 17 32 | 3 14 |
| S 20 | 2 20 | 15 19 | 0n17 | 5 29 | 2 11 | 21 57 | 5 8 | 20 24 | 0 59 | 13 37 | 0 52 | 22 31 | 0 46 | 19 20 | 0 41 | 5 6 | 1 26 | 3 9 | 15 42 | 14 37 | 15 7 | 18 3 | 17 32 | 3 15 |
| S 21 | 2 44 | 17 53 | 1 31 | 4 43 | 2 8 | 22 11 | 5 12 | 20 34 | 1 0 | 13 33 | 0 52 | 22 32 | 0 46 | 19 20 | 0 41 | 5 6 | 1 26 | 3 9 | 15 42 | 14 37 | 15 6 | 18 1 | 17 31 | 3 15 |
| M22 | 3 7 | 19 24 | 2 40 | 3 55 | 2 4 | 22 25 | 5 17 | 20 43 | 1 0 | 13 29 | 0 53 | 22 32 | 0 46 | 19 20 | 0 41 | 5 7 | 1 26 | 3 8 | 15 42 | 14 37 | 15 5 | 18 0 | 17 30 | 3 16 |
| T 23 | 3 30 | 19 44 | 3 41 | 3 6 | 1 59 | 22 38 | 5 21 | 20 52 | 1 0 | 13 25 | 0 53 | 22 32 | 0 46 | 19 21 | 0 41 | 5 7 | 1 26 | 3 8 | 15 42 | 14 38 | 15 4 | 17 59 | 17 29 | 3 16 |
| W24 | 3 53 | 18 50 | 4 28 | 2 17 | 1 54 | 22 50 | 5 25 | 21 1 | 1 1 | 13 20 | 0 53 | 22 33 | 0 45 | 19 21 | 0 41 | 5 8 | 1 26 | 3 7 | 15 41 | 14 38 | 15 3 | 17 58 | 17 28 | 3 17 |
| T 25 | 4 17 | 16 46 | 5 0 | 1 26 | 1 49 | 23 2 | 5 28 | 21 10 | 1 1 | 13 16 | 0 53 | 22 33 | 0 45 | 19 21 | 0 41 | 5 9 | 1 26 | 3 7 | 15 41 | 14 38 | 15 2 | 17 57 | 17 28 | 3 17 |
| F 26 | 4 40 | 13 40 | 5 13 | 0 33 | 1 42 | 23 13 | 5 32 | 21 18 | 1 1 | 13 12 | 0 53 | 22 34 | 0 45 | 19 21 | 0 41 | 5 9 | 1 26 | 3 6 | 15 41 | 14 37 | 15 1 | 17 56 | 17 27 | 3 18 |
| S 27 | 5 3 | 9 46 | 5 7 | 0n20 | 1 36 | 23 23 | 5 35 | 21 26 | 1 2 | 13 8 | 0 53 | 22 34 | 0 45 | 19 21 | 0 41 | 5 10 | 1 26 | 3 6 | 15 41 | 14 36 | 15 0 | 17 55 | 17 26 | 3 18 |
| S 28 | 5 26 | 5 21 | 4 42 | 1 14 | 1 29 | 23 33 | 5 39 | 21 35 | 1 2 | 13 4 | 0 54 | 22 34 | 0 45 | 19 21 | 0 41 | 5 10 | 1 26 | 3 5 | 15 41 | 14 35 | 14 59 | 17 54 | 17 25 | 3 19 |
| M29 | 5 48 | 0 40 | 4 0 | 2 8 | 1 21 | 23 42 | 5 41 | 21 43 | 1 2 | 13 0 | 0 54 | 22 35 | 0 45 | 19 21 | 0 41 | 5 11 | 1 26 | 3 5 | 15 41 | 14 34 | 14 58 | 17 52 | 17 24 | 3 19 |
| T 30 | 6 11 | 3n59 | 3 5 | 3 4 | 1 13 | 23 50 | 5 44 | 21 51 | 1 2 | 12 56 | 0 54 | 22 35 | 0 44 | 19 22 | 0 41 | 5 12 | 1 26 | 3 4 | 15 41 | 14 33 | 14 57 | 17 51 | 17 23 | 3 20 |
| W31 | 6n34 | 8n21 | 2n 0 | 4n 0 | 1s 5 | 23n57 | 5n46 | 21n58 | 1n 3 | 12s52 | 0s54 | 22n36 | 0s44 | 19n22 | 0n41 | 5n12 | 1n26 | 3s 3 | 15s41 | 14s32 | 14s56 | 17n50 | 17s22 | 3n20 |

Julian Day Number = 2130197.5, Delta T = 16m40s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'27, Lahiri = 11°35'28 Julian Calendar 1 March 1120 == Greg. Calendar 8 March 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## APRIL 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 2 57 | 17♈35'36 | 29♈45 | 14♈40 | 22♉23 | 4♊ 7 | 28♒47 | 22♊28 | 6°R38 | 20°R14 | 0♉22 | 8°R54 | 10♏ 7 | 16♋42 | 1°R53 | T 1 |
| F 2 | 13 6 54 | 18°34'06 | 12♉44 | 16°46 | 22°37 | 4°45 | 28°58 | 22°33 | 6♌38 | 20♍12 | 0°23 | 8°D53 | 10° 4 | 16°48 | 1♐51 | F 2 |
| S 3 | 13 10 50 | 19°32'33 | 25°25 | 18°53 | 22°50 | 5°24 | 29°10 | 22°38 | 6°38 | 20°11 | 0°25 | 8♏54 | 10° 1 | 16°55 | 1°48 | S 3 |
| S 4 | 13 14 47 | 20°30'58 | 7♊48 | 21° 0 | 23° 0 | 6° 2 | 29°22 | 22°42 | 6°37 | 20° 9 | 0°26 | 8°55 | 9°58 | 17° 2 | 1°46 | S 4 |
| M 5 | 13 18 43 | 21°29'21 | 19°58 | 23° 8 | 23° 8 | 6°40 | 29°33 | 22°47 | 6°37 | 20° 8 | 0°27 | 8°57 | 9°55 | 17° 8 | 1°43 | M 5 |
| T 6 | 13 22 40 | 22°27'43 | 1♋58 | 25°17 | 23°14 | 7°19 | 29°45 | 22°53 | 6°37 | 20° 7 | 0°29 | 8°58 | 9°52 | 17°15 | 1°40 | T 6 |
| W 7 | 13 26 37 | 23°26'02 | 13°52 | 27°25 | 23°17 | 7°57 | 29°56 | 22°58 | 6°D37 | 20° 5 | 0°30 | 8°59 | 9°48 | 17°22 | 1°37 | W 7 |
| T 8 | 13 30 33 | 24°24'18 | 25°45 | 29°34 | 23°R19 | 8°35 | 0♓ 7 | 23° 3 | 6°37 | 20° 4 | 0°31 | 8°R59 | 9°45 | 17°29 | 1°35 | T 8 |
| F 9 | 13 34 30 | 25°22'33 | 7♌41 | 1♉42 | 23°17 | 9°13 | 0°18 | 23° 8 | 6°37 | 20° 3 | 0°33 | 8°59 | 9°42 | 17°35 | 1°32 | F 9 |
| S 10 | 13 38 26 | 26°20'46 | 19°45 | 3°50 | 23°14 | 9°52 | 0°29 | 23°14 | 6°37 | 20° 2 | 0°34 | 8°58 | 9°39 | 17°42 | 1°29 | S 10 |
| S 11 | 13 42 23 | 27°18'56 | 2♍ 1 | 5°56 | 23° 8 | 10°30 | 0°40 | 23°19 | 6°37 | 20° 0 | 0°36 | 8°57 | 9°36 | 17°49 | 1°26 | S 11 |
| M12 | 13 46 19 | 28°17'05 | 14°32 | 8° 1 | 22°59 | 11° 8 | 0°51 | 23°25 | 6°38 | 19°59 | 0°37 | 8°55 | 9°33 | 17°55 | 1°22 | M12 |
| T 13 | 13 50 16 | 29°15'12 | 27°22 | 10° 5 | 22°48 | 11°46 | 1° 2 | 23°30 | 6°38 | 19°58 | 0°38 | 8°54 | 9°29 | 18° 2 | 1°19 | T 13 |
| W14 | 13 54 12 | 0♉13'16 | 10♎31 | 12° 7 | 22°34 | 12°25 | 1°12 | 23°36 | 6°38 | 19°57 | 0°40 | 8°53 | 9°26 | 18° 9 | 1°16 | W14 |
| T 15 | 13 58 9 | 1°11'19 | 24° 0 | 14° 6 | 22°19 | 13° 3 | 1°23 | 23°42 | 6°39 | 19°55 | 0°41 | 8°52 | 9°23 | 18°16 | 1°13 | T 15 |
| F 16 | 14 2 6 | 2° 9'20 | 7♏47 | 16° 3 | 22° 0 | 13°41 | 1°33 | 23°47 | 6°39 | 19°54 | 0°42 | 8°D52 | 9°20 | 18°22 | 1° 9 | F 16 |
| S 17 | 14 6 2 | 3° 7'20 | 21°48 | 17°58 | 21°40 | 14°19 | 1°43 | 23°53 | 6°40 | 19°53 | 0°44 | 8°52 | 9°17 | 18°29 | 1° 6 | S 17 |
| S 18 | 14 9 59 | 4° 5'18 | 6♐ 1 | 19°50 | 21°17 | 14°57 | 1°53 | 23°59 | 6°40 | 19°52 | 0°45 | 8°52 | 9°13 | 18°36 | 1° 2 | S 18 |
| M19 | 14 13 55 | 5° 3'15 | 20°22 | 21°38 | 20°52 | 15°36 | 2° 4 | 24° 5 | 6°41 | 19°51 | 0°46 | 8°53 | 9°10 | 18°42 | 0°59 | M19 |
| T 20 | 14 17 52 | 6° 1'10 | 4♑45 | 23°24 | 20°25 | 16°14 | 2°14 | 24°11 | 6°41 | 19°50 | 0°48 | 8°53 | 9° 7 | 18°49 | 0°55 | T 20 |
| W21 | 14 21 48 | 6°59'04 | 19° 6 | 25° 6 | 19°56 | 16°52 | 2°23 | 24°17 | 6°42 | 19°49 | 0°49 | 8°53 | 9° 4 | 18°56 | 0°51 | W21 |
| T 22 | 14 25 45 | 7°56'57 | 3♒23 | 26°45 | 19°25 | 17°30 | 2°33 | 24°23 | 6°43 | 19°48 | 0°50 | 8°53 | 9° 1 | 19° 3 | 0°48 | T 22 |
| F 23 | 14 29 41 | 8°54'48 | 17°33 | 28°21 | 18°52 | 18° 8 | 2°43 | 24°30 | 6°44 | 19°47 | 0°52 | 8°53 | 8°58 | 19° 9 | 0°44 | F 23 |
| S 24 | 14 33 38 | 9°52'38 | 1♓32 | 29°53 | 18°19 | 18°46 | 2°52 | 24°36 | 6°44 | 19°46 | 0°53 | 8°53 | 8°54 | 19°16 | 0°40 | S 24 |
| S 25 | 14 37 35 | 10°50'27 | 15°21 | 1♊21 | 17°44 | 19°24 | 3° 2 | 24°42 | 6°45 | 19°45 | 0°55 | 8°53 | 8°51 | 19°23 | 0°36 | S 25 |
| M26 | 14 41 31 | 11°48'14 | 28°57 | 2°46 | 17° 8 | 20° 2 | 3°11 | 24°49 | 6°46 | 19°44 | 0°56 | 8°54 | 8°48 | 19°29 | 0°32 | M26 |
| T 27 | 14 45 28 | 12°46'01 | 12♈21 | 4° 8 | 16°31 | 20°41 | 3°20 | 24°55 | 6°47 | 19°43 | 0°57 | 8°54 | 8°45 | 19°36 | 0°28 | T 27 |
| W28 | 14 49 24 | 13°43'46 | 25°30 | 5°25 | 15°53 | 21°19 | 3°29 | 25° 2 | 6°48 | 19°43 | 0°59 | 8°54 | 8°42 | 19°43 | 0°24 | W28 |
| T 29 | 14 53 21 | 14°41'30 | 8♉26 | 6°39 | 15°16 | 21°57 | 3°38 | 25° 8 | 6°50 | 19°42 | 1° 0 | 8°R54 | 8°38 | 19°50 | 0°20 | T 29 |
| F 30 | 14 57 17 | 15♉39'12 | 21♉ 8 | 7♊48 | 14♉38 | 22♊35 | 3♓47 | 25♊15 | 6♌51 | 19♍41 | 1♉ 1 | 8♏54 | 8♏35 | 19♋56 | 0♐16 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n56 | 12n13 | 0n50 | 4n57 | 0s56 | 24n 3 | 5n49 | 22n 6 | 1n 3 | 12s48 | 0s54 | 22n36 | 0s44 | 19n22 | 0n41 | 5n13 | 1n26 | 3s 3 | 15s40 | 14s32 | 14s55 | 17n49 | 17s21 | 3n21 |
| F 2 | 7 19 | 15 24 | 0s21 | 5 54 | 0 47 | 24 9 | 5 50 | 22 13 | 1 3 | 12 44 | 0 55 | 22 37 | 0 44 | 19 22 | 0 41 | 5 13 | 1 26 | 3 2 | 15 40 | 14 32 | 14 54 | 17 48 | 17 20 | 3 21 |
| S 3 | 7 41 | 17 45 | 1 30 | 6 51 | 0 37 | 24 14 | 5 52 | 22 21 | 1 4 | 12 40 | 0 55 | 22 37 | 0 44 | 19 22 | 0 41 | 5 14 | 1 26 | 3 2 | 15 40 | 14 32 | 14 53 | 17 47 | 17 20 | 3 22 |
| S 4 | 8 3 | 19 12 | 2 33 | 7 49 | 0 27 | 24 17 | 5 53 | 22 28 | 1 4 | 12 36 | 0 55 | 22 37 | 0 44 | 19 22 | 0 41 | 5 14 | 1 26 | 3 1 | 15 40 | 14 32 | 14 52 | 17 45 | 17 19 | 3 22 |
| M 5 | 8 25 | 19 43 | 3 28 | 8 46 | 0 17 | 24 20 | 5 54 | 22 35 | 1 4 | 12 32 | 0 55 | 22 38 | 0 43 | 19 22 | 0 41 | 5 15 | 1 26 | 3 1 | 15 40 | 14 33 | 14 51 | 17 44 | 17 18 | 3 23 |
| T 6 | 8 47 | 19 20 | 4 13 | 9 44 | 0 6 | 24 22 | 5 54 | 22 41 | 1 4 | 12 29 | 0 55 | 22 38 | 0 43 | 19 22 | 0 41 | 5 15 | 1 26 | 3 0 | 15 40 | 14 33 | 14 50 | 17 43 | 17 17 | 3 23 |
| W 7 | 9 9 | 18 5 | 4 46 | 10 40 | 0n 4 | 24 23 | 5 54 | 22 48 | 1 5 | 12 25 | 0 55 | 22 39 | 0 43 | 19 22 | 0 41 | 5 16 | 1 26 | 3 0 | 15 40 | 14 34 | 14 49 | 17 42 | 17 16 | 3 24 |
| T 8 | 9 30 | 16 3 | 5 8 | 11 36 | 0 15 | 24 23 | 5 53 | 22 54 | 1 5 | 12 21 | 0 56 | 22 39 | 0 43 | 19 22 | 0 41 | 5 16 | 1 26 | 2 59 | 15 40 | 14 34 | 14 48 | 17 41 | 17 15 | 3 24 |
| F 9 | 9 52 | 13 20 | 5 16 | 12 32 | 0 26 | 24 21 | 5 52 | 23 0 | 1 5 | 12 17 | 0 56 | 22 40 | 0 43 | 19 22 | 0 41 | 5 17 | 1 26 | 2 59 | 15 40 | 14 33 | 14 47 | 17 40 | 17 14 | 3 24 |
| S 10 | 10 13 | 10 3 | 5 11 | 13 26 | 0 37 | 24 19 | 5 51 | 23 6 | 1 5 | 12 14 | 0 56 | 22 40 | 0 43 | 19 22 | 0 41 | 5 17 | 1 26 | 2 58 | 15 40 | 14 33 | 14 46 | 17 38 | 17 13 | 3 25 |
| S 11 | 10 34 | 6 17 | 4 51 | 14 18 | 0 47 | 24 16 | 5 49 | 23 12 | 1 5 | 12 10 | 0 56 | 22 40 | 0 43 | 19 22 | 0 41 | 5 18 | 1 26 | 2 58 | 15 40 | 14 33 | 14 45 | 17 37 | 17 11 | 3 25 |
| M12 | 10 55 | 2 9 | 4 17 | 15 9 | 0 58 | 24 11 | 5 46 | 23 18 | 1 6 | 12 6 | 0 56 | 22 41 | 0 42 | 19 21 | 0 41 | 5 18 | 1 26 | 2 57 | 15 40 | 14 32 | 14 44 | 17 36 | 17 10 | 3 26 |
| T 13 | 11 16 | 2s10 | 3 30 | 15 59 | 1 8 | 24 5 | 5 43 | 23 24 | 1 6 | 12 3 | 0 57 | 22 41 | 0 42 | 19 21 | 0 40 | 5 19 | 1 26 | 2 57 | 15 40 | 14 32 | 14 43 | 17 35 | 17 9 | 3 26 |
| W14 | 11 36 | 6 30 | 2 31 | 16 46 | 1 18 | 23 58 | 5 40 | 23 29 | 1 6 | 11 59 | 0 57 | 22 42 | 0 42 | 19 21 | 0 40 | 5 19 | 1 26 | 2 56 | 15 40 | 14 31 | 14 42 | 17 34 | 17 8 | 3 27 |
| T 15 | 11 57 | 10 37 | 1 21 | 17 32 | 1 27 | 23 50 | 5 35 | 23 34 | 1 6 | 11 55 | 0 57 | 22 42 | 0 42 | 19 21 | 0 40 | 5 20 | 1 26 | 2 56 | 15 40 | 14 31 | 14 41 | 17 32 | 17 7 | 3 27 |
| F 16 | 12 17 | 14 16 | 0 6 | 18 15 | 1 36 | 23 40 | 5 31 | 23 39 | 1 7 | 11 52 | 0 57 | 22 43 | 0 42 | 19 21 | 0 40 | 5 20 | 1 26 | 2 55 | 15 40 | 14 31 | 14 40 | 17 31 | 17 6 | 3 27 |
| S 17 | 12 37 | 17 9 | 1n11 | 18 56 | 1 44 | 23 29 | 5 25 | 23 44 | 1 7 | 11 48 | 0 58 | 22 43 | 0 42 | 19 21 | 0 40 | 5 20 | 1 26 | 2 55 | 15 40 | 14 31 | 14 39 | 17 30 | 17 5 | 3 28 |
| S 18 | 12 56 | 19 2 | 2 25 | 19 34 | 1 52 | 23 17 | 5 19 | 23 48 | 1 7 | 11 45 | 0 58 | 22 43 | 0 42 | 19 21 | 0 40 | 5 21 | 1 26 | 2 54 | 15 40 | 14 31 | 14 38 | 17 29 | 17 4 | 3 28 |
| M19 | 13 16 | 19 42 | 3 30 | 20 10 | 1 59 | 23 4 | 5 12 | 23 53 | 1 7 | 11 42 | 0 58 | 22 44 | 0 41 | 19 20 | 0 40 | 5 21 | 1 26 | 2 54 | 15 40 | 14 31 | 14 37 | 17 28 | 17 3 | 3 29 |
| T 20 | 13 35 | 19 5 | 4 23 | 20 44 | 2 5 | 22 49 | 5 5 | 23 57 | 1 7 | 11 38 | 0 58 | 22 44 | 0 41 | 19 20 | 0 40 | 5 22 | 1 26 | 2 54 | 15 40 | 14 32 | 14 36 | 17 26 | 17 2 | 3 29 |
| W21 | 13 55 | 17 15 | 4 59 | 21 15 | 2 11 | 22 34 | 4 57 | 24 1 | 1 7 | 11 35 | 0 58 | 22 45 | 0 41 | 19 20 | 0 40 | 5 22 | 1 26 | 2 53 | 15 40 | 14 32 | 14 35 | 17 25 | 17 1 | 3 29 |
| T 22 | 14 13 | 14 22 | 5 16 | 21 43 | 2 16 | 22 17 | 4 48 | 24 5 | 1 8 | 11 32 | 0 59 | 22 45 | 0 41 | 19 20 | 0 40 | 5 22 | 1 26 | 2 53 | 15 40 | 14 32 | 14 34 | 17 24 | 16 59 | 3 30 |
| F 23 | 14 32 | 10 40 | 5 14 | 22 9 | 2 20 | 21 59 | 4 39 | 24 9 | 1 8 | 11 28 | 0 59 | 22 45 | 0 41 | 19 20 | 0 40 | 5 23 | 1 26 | 2 52 | 15 40 | 14 32 | 14 33 | 17 23 | 16 58 | 3 30 |
| S 24 | 14 51 | 6 25 | 4 53 | 22 33 | 2 23 | 21 39 | 4 29 | 24 12 | 1 8 | 11 25 | 0 59 | 22 46 | 0 41 | 19 19 | 0 40 | 5 23 | 1 26 | 2 52 | 15 40 | 14 32 | 14 32 | 17 22 | 16 57 | 3 31 |
| S 25 | 15 9 | 1 53 | 4 15 | 22 54 | 2 26 | 21 19 | 4 18 | 24 15 | 1 8 | 11 22 | 0 59 | 22 46 | 0 41 | 19 19 | 0 40 | 5 23 | 1 26 | 2 51 | 15 40 | 14 32 | 14 31 | 17 20 | 16 56 | 3 31 |
| M26 | 15 27 | 2n42 | 3 24 | 23 13 | 2 27 | 20 58 | 4 7 | 24 19 | 1 8 | 11 19 | 1 0 | 22 47 | 0 40 | 19 19 | 0 40 | 5 24 | 1 26 | 2 51 | 15 40 | 14 32 | 14 30 | 17 19 | 16 55 | 3 31 |
| T 27 | 15 45 | 7 5 | 2 22 | 23 29 | 2 28 | 20 36 | 3 55 | 24 22 | 1 8 | 11 16 | 1 0 | 22 47 | 0 40 | 19 19 | 0 40 | 5 24 | 1 26 | 2 51 | 15 40 | 14 32 | 14 29 | 17 18 | 16 54 | 3 32 |
| W28 | 16 2 | 11 3 | 1 14 | 23 44 | 2 28 | 20 14 | 3 43 | 24 24 | 1 9 | 11 13 | 1 0 | 22 47 | 0 40 | 19 18 | 0 40 | 5 24 | 1 26 | 2 50 | 15 40 | 14 32 | 14 28 | 17 17 | 16 52 | 3 32 |
| T 29 | 16 19 | 14 25 | 0 3 | 23 56 | 2 27 | 19 50 | 3 30 | 24 27 | 1 9 | 11 10 | 1 0 | 22 48 | 0 40 | 19 18 | 0 40 | 5 25 | 1 26 | 2 50 | 15 40 | 14 32 | 14 27 | 17 15 | 16 51 | 3 32 |
| F 30 | 16n36 | 17n 3 | 1s 7 | 24n 5 | 2n25 | 19n27 | 3n17 | 24n29 | 1n 9 | 11s 7 | 1s 1 | 22n48 | 0s40 | 19n18 | 0n40 | 5n25 | 1n26 | 2s49 | 15s40 | 14s32 | 14s26 | 17n14 | 16s50 | 3n33 |

Julian Day Number = 2130228.5, Delta T = 16m40s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'31, Lahiri = 11°35'32 Julian Calendar 1 Apr. 1120 == Greg. Calendar 8 Apr. 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## MAY 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 1 14 | 16♉36'53 | 3♊37 | 8♊54 | 14°R 0 | 23♊13 | 3♓55 | 25♊21 | 6♌52 | 19°R40 | 1♉ 3 | 8°R54 | 8♏32 | 20♋ 3 | 0°R12 | S 1 |
| S 2 | 15 5 10 | 17°34'33 | 15°53 | 9°56 | 13♉23 | 23°51 | 4° 4 | 25°28 | 6°53 | 19♍40 | 1° 4 | 8♏53 | 8°29 | 20°10 | 0♐ 8 | S 2 |
| M 3 | 15 9 7 | 18°32'12 | 28° 0 | 10°54 | 12°47 | 24°29 | 4°12 | 25°35 | 6°55 | 19°39 | 1° 5 | 8°52 | 8°26 | 20°16 | 0° 4 | M 3 |
| T 4 | 15 13 4 | 19°29'49 | 9♋58 | 11°48 | 12°11 | 25° 7 | 4°20 | 25°42 | 6°56 | 19°38 | 1° 6 | 8°50 | 8°23 | 20°23 | 29♏59 | T 4 |
| W 5 | 15 17 0 | 20°27'24 | 21°51 | 12°38 | 11°37 | 25°45 | 4°28 | 25°49 | 6°57 | 19°38 | 1° 8 | 8°49 | 8°19 | 20°30 | 29°55 | W 5 |
| T 6 | 15 20 57 | 21°24'58 | 3♌44 | 13°23 | 11° 3 | 26°23 | 4°36 | 25°55 | 6°59 | 19°37 | 1° 9 | 8°48 | 8°16 | 20°37 | 29°51 | T 6 |
| F 7 | 15 24 53 | 22°22'31 | 15°39 | 14° 4 | 10°31 | 27° 1 | 4°44 | 26° 2 | 7° 0 | 19°36 | 1°10 | 8°47 | 8°13 | 20°43 | 29°47 | F 7 |
| S 8 | 15 28 50 | 23°20'02 | 27°42 | 14°41 | 10° 1 | 27°39 | 4°52 | 26° 9 | 7° 2 | 19°36 | 1°12 | 8°D47 | 8°10 | 20°50 | 29°43 | S 8 |
| S 9 | 15 32 46 | 24°17'31 | 9♍57 | 15°13 | 9°33 | 28°17 | 4°59 | 26°16 | 7° 4 | 19°35 | 1°13 | 8°47 | 8° 7 | 20°57 | 29°38 | S 9 |
| M10 | 15 36 43 | 25°15'00 | 22°28 | 15°40 | 9° 6 | 28°55 | 5° 7 | 26°23 | 7° 5 | 19°35 | 1°14 | 8°49 | 8° 4 | 21° 4 | 29°34 | M10 |
| T 11 | 15 40 39 | 26°12'26 | 5♎19 | 16° 4 | 8°42 | 29°33 | 5°14 | 26°31 | 7° 7 | 19°34 | 1°15 | 8°50 | 8° 0 | 21°10 | 29°30 | T 11 |
| W12 | 15 44 36 | 27° 9'52 | 18°34 | 16°22 | 8°20 | 0♋11 | 5°21 | 26°38 | 7° 9 | 19°34 | 1°17 | 8°51 | 7°57 | 21°17 | 29°26 | W12 |
| T 13 | 15 48 32 | 28° 7'17 | 2♏12 | 16°36 | 8° 0 | 0°49 | 5°28 | 26°45 | 7°10 | 19°34 | 1°18 | 8°R52 | 7°54 | 21°24 | 29°21 | T 13 |
| F 14 | 15 52 29 | 29° 4'40 | 16°14 | 16°45 | 7°42 | 1°27 | 5°35 | 26°52 | 7°12 | 19°33 | 1°19 | 8°52 | 7°51 | 21°30 | 29°17 | F 14 |
| S 15 | 15 56 26 | 0♊ 2'03 | 0♐37 | 16°R49 | 7°27 | 2° 5 | 5°41 | 26°59 | 7°14 | 19°33 | 1°20 | 8°51 | 7°48 | 21°37 | 29°13 | S 15 |
| S 16 | 16 0 22 | 0°59'24 | 15°16 | 16°49 | 7°14 | 2°43 | 5°48 | 27° 7 | 7°16 | 19°33 | 1°22 | 8°49 | 7°44 | 21°44 | 29° 8 | S 16 |
| M17 | 16 4 19 | 1°56'45 | 0♑ 4 | 16°45 | 7° 4 | 3°21 | 5°54 | 27°14 | 7°18 | 19°32 | 1°23 | 8°46 | 7°41 | 21°51 | 29° 4 | M17 |
| T 18 | 16 8 15 | 2°54'05 | 14°53 | 16°36 | 6°56 | 3°59 | 6° 0 | 27°21 | 7°20 | 19°32 | 1°24 | 8°43 | 7°38 | 21°57 | 29° 0 | T 18 |
| W19 | 16 12 12 | 3°51'24 | 29°35 | 16°23 | 6°50 | 4°37 | 6° 6 | 27°29 | 7°22 | 19°32 | 1°25 | 8°40 | 7°35 | 22° 4 | 28°56 | W19 |
| T 20 | 16 16 8 | 4°48'43 | 14♒ 6 | 16° 6 | 6°47 | 5°15 | 6°12 | 27°36 | 7°24 | 19°32 | 1°26 | 8°38 | 7°32 | 22°11 | 28°51 | T 20 |
| F 21 | 16 20 5 | 5°46'01 | 28°20 | 15°46 | 6°D46 | 5°52 | 6°18 | 27°44 | 7°27 | 19°32 | 1°28 | 8°36 | 7°29 | 22°17 | 28°47 | F 21 |
| S 22 | 16 24 2 | 6°43'19 | 12♓16 | 15°22 | 6°47 | 6°30 | 6°23 | 27°51 | 7°29 | 19°32 | 1°29 | 8°D36 | 7°25 | 22°24 | 28°43 | S 22 |
| S 23 | 16 27 58 | 7°40'37 | 25°53 | 14°55 | 6°51 | 7° 8 | 6°29 | 27°59 | 7°31 | 19°31 | 1°30 | 8°37 | 7°22 | 22°31 | 28°39 | S 23 |
| M24 | 16 31 55 | 8°37'53 | 9♈12 | 14°26 | 6°57 | 7°46 | 6°34 | 28° 6 | 7°33 | 19°31 | 1°31 | 8°39 | 7°19 | 22°38 | 28°35 | M24 |
| T 25 | 16 35 51 | 9°35'10 | 22°15 | 13°54 | 7° 5 | 8°24 | 6°39 | 28°14 | 7°36 | 19°D31 | 1°32 | 8°40 | 7°16 | 22°44 | 28°30 | T 25 |
| W26 | 16 39 48 | 10°32'26 | 5♉ 3 | 13°22 | 7°16 | 9° 2 | 6°44 | 28°21 | 7°38 | 19°31 | 1°33 | 8°R41 | 7°13 | 22°51 | 28°26 | W26 |
| T 27 | 16 43 44 | 11°29'42 | 17°39 | 12°48 | 7°28 | 9°40 | 6°49 | 28°29 | 7°40 | 19°31 | 1°34 | 8°41 | 7°10 | 22°58 | 28°22 | T 27 |
| F 28 | 16 47 41 | 12°26'57 | 0♊ 3 | 12°14 | 7°43 | 10°18 | 6°53 | 28°36 | 7°43 | 19°32 | 1°35 | 8°39 | 7° 6 | 23° 4 | 28°18 | F 28 |
| S 29 | 16 51 37 | 13°24'12 | 12°18 | 11°40 | 7°59 | 10°56 | 6°57 | 28°44 | 7°45 | 19°32 | 1°36 | 8°35 | 7° 3 | 23°11 | 28°14 | S 29 |
| S 30 | 16 55 34 | 14°21'27 | 24°25 | 11° 7 | 8°17 | 11°34 | 7° 2 | 28°52 | 7°48 | 19°32 | 1°38 | 8°30 | 7° 0 | 23°18 | 28°10 | S 30 |
| M31 | 16 59 31 | 15♊18'41 | 6♋25 | 10♊35 | 8♉37 | 12♋11 | 7♓ 5 | 28♊59 | 7♌50 | 19♍32 | 1♉39 | 8♏24 | 6♏57 | 23♋25 | 28♏ 6 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n53 | 18n48 | 2s13 | 24n13 | 2n22 | 19n 3 | 3n 4 | 24n32 | 1n 9 | 11s 4 | 1s 1 | 22n48 | 0s40 | 19n17 | 0n40 | 5n25 | 1n26 | 2s49 | 15s40 | 14s32 | 14s25 | 17n13 | 16s49 | 3n33 |
| S 2 | 17 9 | 19 38 | 3 11 | 24 19 | 2 18 | 18 38 | 2 50 | 24 34 | 1 9 | 11 1 | 1 1 | 22 49 | 0 40 | 19 17 | 0 40 | 5 25 | 1 26 | 2 49 | 15 40 | 14 32 | 14 24 | 17 12 | 16 48 | 3 33 |
| M 3 | 17 25 | 19 33 | 4 0 | 24 23 | 2 13 | 18 14 | 2 37 | 24 35 | 1 9 | 10 58 | 1 1 | 22 49 | 0 39 | 19 17 | 0 40 | 5 26 | 1 26 | 2 48 | 15 40 | 14 31 | 14 23 | 17 11 | 16 47 | 3 34 |
| T 4 | 17 41 | 18 34 | 4 37 | 24 25 | 2 8 | 17 49 | 2 22 | 24 37 | 1 9 | 10 55 | 1 2 | 22 50 | 0 39 | 19 16 | 0 40 | 5 26 | 1 26 | 2 48 | 15 40 | 14 31 | 14 22 | 17 9 | 16 46 | 3 34 |
| W 5 | 17 57 | 16 47 | 5 3 | 24 25 | 2 1 | 17 25 | 2 8 | 24 38 | 1 10 | 10 52 | 1 2 | 22 50 | 0 39 | 19 16 | 0 40 | 5 26 | 1 25 | 2 48 | 15 40 | 14 30 | 14 21 | 17 8 | 16 44 | 3 34 |
| T 6 | 18 12 | 14 18 | 5 15 | 24 23 | 1 54 | 17 1 | 1 54 | 24 40 | 1 10 | 10 50 | 1 2 | 22 50 | 0 39 | 19 15 | 0 40 | 5 26 | 1 25 | 2 47 | 15 40 | 14 30 | 14 20 | 17 7 | 16 43 | 3 34 |
| F 7 | 18 27 | 11 13 | 5 14 | 24 20 | 1 45 | 16 37 | 1 40 | 24 41 | 1 10 | 10 47 | 1 2 | 22 51 | 0 39 | 19 15 | 0 40 | 5 27 | 1 25 | 2 47 | 15 40 | 14 30 | 14 19 | 17 6 | 16 42 | 3 35 |
| S 8 | 18 42 | 7 39 | 4 59 | 24 15 | 1 36 | 16 14 | 1 26 | 24 42 | 1 10 | 10 45 | 1 3 | 22 51 | 0 39 | 19 14 | 0 40 | 5 27 | 1 25 | 2 47 | 15 41 | 14 30 | 14 18 | 17 4 | 16 41 | 3 35 |
| S 9 | 18 56 | 3 42 | 4 31 | 24 9 | 1 26 | 15 52 | 1 11 | 24 42 | 1 10 | 10 42 | 1 3 | 22 51 | 0 39 | 19 14 | 0 40 | 5 27 | 1 25 | 2 46 | 15 41 | 14 30 | 14 17 | 17 3 | 16 40 | 3 35 |
| M10 | 19 10 | 0s30 | 3 49 | 24 1 | 1 15 | 15 30 | 0 57 | 24 43 | 1 10 | 10 40 | 1 3 | 22 52 | 0 39 | 19 14 | 0 40 | 5 27 | 1 25 | 2 46 | 15 41 | 14 30 | 14 16 | 17 2 | 16 39 | 3 36 |
| T 11 | 19 24 | 4 48 | 2 55 | 23 51 | 1 3 | 15 9 | 0 44 | 24 43 | 1 10 | 10 37 | 1 3 | 22 52 | 0 38 | 19 13 | 0 40 | 5 27 | 1 25 | 2 46 | 15 41 | 14 31 | 14 15 | 17 0 | 16 37 | 3 36 |
| W12 | 19 37 | 9 0 | 1 50 | 23 41 | 0 50 | 14 49 | 0 30 | 24 43 | 1 10 | 10 35 | 1 4 | 22 52 | 0 38 | 19 13 | 0 40 | 5 27 | 1 25 | 2 45 | 15 41 | 14 31 | 14 14 | 16 59 | 16 36 | 3 36 |
| T 13 | 19 50 | 12 52 | 0 37 | 23 29 | 0 36 | 14 30 | 0 17 | 24 43 | 1 10 | 10 32 | 1 4 | 22 52 | 0 38 | 19 12 | 0 40 | 5 27 | 1 25 | 2 45 | 15 41 | 14 31 | 14 13 | 16 58 | 16 35 | 3 36 |
| F 14 | 20 3 | 16 8 | 0n41 | 23 15 | 0 22 | 14 12 | 0 4 | 24 43 | 1 10 | 10 30 | 1 4 | 22 53 | 0 38 | 19 12 | 0 40 | 5 28 | 1 25 | 2 45 | 15 41 | 14 31 | 14 11 | 16 57 | 16 34 | 3 37 |
| S 15 | 20 15 | 18 28 | 1 57 | 23 1 | 0 7 | 13 55 | 0s 9 | 24 43 | 1 11 | 10 28 | 1 4 | 22 53 | 0 38 | 19 11 | 0 40 | 5 28 | 1 25 | 2 44 | 15 41 | 14 31 | 14 10 | 16 55 | 16 33 | 3 37 |
| S 16 | 20 27 | 19 38 | 3 7 | 22 45 | 0s 8 | 13 39 | 0 21 | 24 42 | 1 11 | 10 26 | 1 5 | 22 53 | 0 38 | 19 11 | 0 39 | 5 28 | 1 25 | 2 44 | 15 42 | 14 30 | 14 9 | 16 54 | 16 32 | 3 37 |
| M17 | 20 39 | 19 28 | 4 5 | 22 29 | 0 24 | 13 25 | 0 33 | 24 41 | 1 11 | 10 24 | 1 5 | 22 54 | 0 38 | 19 10 | 0 39 | 5 28 | 1 25 | 2 44 | 15 42 | 14 29 | 14 8 | 16 53 | 16 31 | 3 37 |
| T 18 | 20 50 | 17 57 | 4 47 | 22 12 | 0 41 | 13 11 | 0 45 | 24 40 | 1 11 | 10 22 | 1 5 | 22 54 | 0 38 | 19 10 | 0 39 | 5 28 | 1 25 | 2 44 | 15 42 | 14 28 | 14 7 | 16 52 | 16 30 | 3 37 |
| W19 | 21 1 | 15 17 | 5 10 | 21 54 | 0 58 | 12 59 | 0 56 | 24 39 | 1 11 | 10 20 | 1 6 | 22 54 | 0 38 | 19 9 | 0 39 | 5 28 | 1 25 | 2 43 | 15 42 | 14 27 | 14 6 | 16 50 | 16 28 | 3 38 |
| T 20 | 21 12 | 11 41 | 5 12 | 21 35 | 1 15 | 12 48 | 1 7 | 24 38 | 1 11 | 10 18 | 1 6 | 22 54 | 0 37 | 19 8 | 0 39 | 5 28 | 1 25 | 2 43 | 15 42 | 14 27 | 14 5 | 16 49 | 16 27 | 3 38 |
| F 21 | 21 22 | 7 29 | 4 56 | 21 16 | 1 32 | 12 37 | 1 17 | 24 36 | 1 11 | 10 16 | 1 6 | 22 55 | 0 37 | 19 8 | 0 39 | 5 28 | 1 25 | 2 43 | 15 42 | 14 26 | 14 4 | 16 48 | 16 26 | 3 38 |
| S 22 | 21 32 | 2 58 | 4 21 | 20 56 | 1 49 | 12 29 | 1 27 | 24 34 | 1 11 | 10 14 | 1 6 | 22 55 | 0 37 | 19 7 | 0 39 | 5 28 | 1 25 | 2 43 | 15 42 | 14 26 | 14 3 | 16 46 | 16 25 | 3 38 |
| S 23 | 21 42 | 1n37 | 3 33 | 20 37 | 2 6 | 12 21 | 1 37 | 24 32 | 1 11 | 10 12 | 1 7 | 22 55 | 0 37 | 19 7 | 0 39 | 5 28 | 1 25 | 2 42 | 15 43 | 14 26 | 14 2 | 16 45 | 16 24 | 3 38 |
| M24 | 21 51 | 6 2 | 2 34 | 20 17 | 2 22 | 12 14 | 1 46 | 24 30 | 1 11 | 10 11 | 1 7 | 22 55 | 0 37 | 19 6 | 0 39 | 5 28 | 1 25 | 2 42 | 15 43 | 14 27 | 14 1 | 16 44 | 16 23 | 3 38 |
| T 25 | 22 0 | 10 4 | 1 29 | 19 57 | 2 38 | 12 8 | 1 55 | 24 28 | 1 11 | 10 9 | 1 7 | 22 55 | 0 37 | 19 5 | 0 39 | 5 28 | 1 25 | 2 42 | 15 43 | 14 27 | 14 0 | 16 43 | 16 22 | 3 39 |
| W26 | 22 8 | 13 35 | 0 20 | 19 38 | 2 54 | 12 4 | 2 3 | 24 26 | 1 11 | 10 8 | 1 8 | 22 56 | 0 37 | 19 5 | 0 39 | 5 28 | 1 25 | 2 42 | 15 43 | 14 28 | 13 59 | 16 41 | 16 21 | 3 39 |
| T 27 | 22 16 | 16 24 | 0s49 | 19 20 | 3 8 | 12 0 | 2 11 | 24 23 | 1 11 | 10 6 | 1 8 | 22 56 | 0 37 | 19 4 | 0 39 | 5 28 | 1 25 | 2 42 | 15 43 | 14 28 | 13 58 | 16 40 | 16 20 | 3 39 |
| F 28 | 22 24 | 18 24 | 1 54 | 19 2 | 3 22 | 11 58 | 2 18 | 24 20 | 1 11 | 10 5 | 1 8 | 22 56 | 0 37 | 19 3 | 0 39 | 5 28 | 1 25 | 2 41 | 15 43 | 14 27 | 13 57 | 16 39 | 16 19 | 3 39 |
| S 29 | 22 31 | 19 31 | 2 53 | 18 45 | 3 34 | 11 56 | 2 26 | 24 17 | 1 11 | 10 3 | 1 8 | 22 56 | 0 37 | 19 3 | 0 39 | 5 28 | 1 25 | 2 41 | 15 44 | 14 26 | 13 56 | 16 37 | 16 18 | 3 39 |
| S 30 | 22 38 | 19 43 | 3 43 | 18 29 | 3 46 | 11 56 | 2 32 | 24 14 | 1 11 | 10 2 | 1 9 | 22 56 | 0 36 | 19 2 | 0 39 | 5 28 | 1 25 | 2 41 | 15 44 | 14 24 | 13 55 | 16 36 | 16 17 | 3 39 |
| M31 | 22n44 | 19n 1 | 4s23 | 18n15 | 3s56 | 11n56 | 2s39 | 24n11 | 1n11 | 10s 1 | 1s 9 | 22n57 | 0s36 | 19n 1 | 0n39 | 5n27 | 1n25 | 2s41 | 15s44 | 14s22 | 13s54 | 16n35 | 16s16 | 3n39 |

Julian Day Number = 2130258.5, Delta T = 16m40s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'35, Lahiri = 11°35'36 Julian Calendar 1 May 1120 == Greg. Calendar 8 May 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## JUNE 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 3 27 | 16♊15'54 | 18♋20 | 10°R 6 | 8♉59 | 12♋49 | 7♓ 9 | 29♊ 7 | 7♌53 | 19♍32 | 1♉40 | 8°R17 | 6♏54 | 23♋31 | 28°R 2 | T 1 |
| W 2 | 17 7 24 | 17°13'07 | 0♌12 | 9♊38 | 9°23 | 13°27 | 7°13 | 29°15 | 7°56 | 19°33 | 1°41 | 8♏10 | 6°50 | 23°38 | 27♏58 | W 2 |
| T 3 | 17 11 20 | 18°10'19 | 12° 4 | 9°14 | 9°48 | 14° 5 | 7°16 | 29°22 | 7°58 | 19°33 | 1°42 | 8° 5 | 6°47 | 23°45 | 27°55 | T 3 |
| F 4 | 17 15 17 | 19° 7'31 | 23°58 | 8°53 | 10°15 | 14°43 | 7°20 | 29°30 | 8° 1 | 19°33 | 1°43 | 8° 0 | 6°44 | 23°51 | 27°51 | F 4 |
| S 5 | 17 19 13 | 20° 4'42 | 6♍ 0 | 8°35 | 10°43 | 15°21 | 7°23 | 29°38 | 8° 4 | 19°33 | 1°44 | 7°57 | 6°41 | 23°58 | 27°47 | S 5 |
| S 6 | 17 23 10 | 21° 1'53 | 18°12 | 8°22 | 11°13 | 15°59 | 7°26 | 29°46 | 8° 7 | 19°34 | 1°45 | 7°D56 | 6°38 | 24° 5 | 27°43 | S 6 |
| M 7 | 17 27 6 | 21°59'03 | 0♎39 | 8°13 | 11°44 | 16°37 | 7°28 | 29°53 | 8° 9 | 19°34 | 1°45 | 7°56 | 6°35 | 24°12 | 27°40 | M 7 |
| T 8 | 17 31 3 | 22°56'13 | 13°27 | 8° 8 | 12°17 | 17°14 | 7°31 | 0♋ 1 | 8°12 | 19°35 | 1°46 | 7°57 | 6°31 | 24°18 | 27°36 | T 8 |
| W 9 | 17 35 0 | 23°53'22 | 26°39 | 8°D 8 | 12°50 | 17°52 | 7°33 | 0° 9 | 8°15 | 19°35 | 1°47 | 7°59 | 6°28 | 24°25 | 27°32 | W 9 |
| T 10 | 17 38 56 | 24°50'31 | 10♏18 | 8°12 | 13°26 | 18°30 | 7°35 | 0°17 | 8°18 | 19°36 | 1°48 | 7°R59 | 6°25 | 24°32 | 27°29 | T 10 |
| F 11 | 17 42 53 | 25°47'39 | 24°25 | 8°22 | 14° 2 | 19° 8 | 7°37 | 0°25 | 8°21 | 19°36 | 1°49 | 7°58 | 6°22 | 24°39 | 27°26 | F 11 |
| S 12 | 17 46 49 | 26°44'48 | 8♐58 | 8°36 | 14°39 | 19°46 | 7°39 | 0°32 | 8°24 | 19°37 | 1°50 | 7°55 | 6°19 | 24°45 | 27°22 | S 12 |
| S 13 | 17 50 46 | 27°41'56 | 23°52 | 8°56 | 15°18 | 20°24 | 7°41 | 0°40 | 8°27 | 19°37 | 1°51 | 7°50 | 6°16 | 24°52 | 27°19 | S 13 |
| M14 | 17 54 42 | 28°39'05 | 8♑59 | 9°20 | 15°58 | 21° 2 | 7°42 | 0°48 | 8°30 | 19°38 | 1°52 | 7°43 | 6°12 | 24°59 | 27°16 | M14 |
| T 15 | 17 58 39 | 29°36'13 | 24°10 | 9°49 | 16°39 | 21°40 | 7°43 | 0°56 | 8°33 | 19°39 | 1°52 | 7°35 | 6° 9 | 25° 5 | 27°12 | T 15 |
| W16 | 18 2 35 | 0♒33'21 | 9♒14 | 10°23 | 17°20 | 22°17 | 7°44 | 1° 4 | 8°36 | 19°39 | 1°53 | 7°28 | 6° 6 | 25°12 | 27° 9 | W16 |
| T 17 | 18 6 32 | 1°30'30 | 24° 2 | 11° 2 | 18° 3 | 22°55 | 7°45 | 1°11 | 8°39 | 19°40 | 1°54 | 7°22 | 6° 3 | 25°19 | 27° 6 | T 17 |
| F 18 | 18 10 29 | 2°27'39 | 8♓28 | 11°46 | 18°47 | 23°33 | 7°46 | 1°19 | 8°43 | 19°41 | 1°55 | 7°18 | 6° 0 | 25°26 | 27° 3 | F 18 |
| S 19 | 18 14 25 | 3°24'49 | 22°29 | 12°35 | 19°32 | 24°11 | 7°46 | 1°27 | 8°46 | 19°42 | 1°56 | 7°15 | 5°56 | 25°32 | 27° 0 | S 19 |
| S 20 | 18 18 22 | 4°21'59 | 6♈ 5 | 13°29 | 20°17 | 24°49 | 7°46 | 1°35 | 8°49 | 19°42 | 1°56 | 7°D15 | 5°53 | 25°39 | 26°57 | S 20 |
| M21 | 18 22 18 | 5°19'10 | 19°17 | 14°27 | 21° 4 | 25°27 | 7°R46 | 1°43 | 8°52 | 19°43 | 1°57 | 7°15 | 5°50 | 25°46 | 26°55 | M21 |
| T 22 | 18 26 15 | 6°16'21 | 2♉ 9 | 15°29 | 21°51 | 26° 5 | 7°46 | 1°51 | 8°55 | 19°44 | 1°58 | 7°R16 | 5°47 | 25°52 | 26°52 | T 22 |
| W23 | 18 30 11 | 7°13'32 | 14°43 | 16°37 | 22°39 | 26°42 | 7°46 | 1°58 | 8°59 | 19°45 | 1°58 | 7°16 | 5°44 | 25°59 | 26°49 | W23 |
| T 24 | 18 34 8 | 8°10'45 | 27° 5 | 17°49 | 23°27 | 27°20 | 7°45 | 2° 6 | 9° 2 | 19°46 | 1°59 | 7°14 | 5°41 | 26° 6 | 26°47 | T 24 |
| F 25 | 18 38 4 | 9° 7'58 | 9♊16 | 19° 5 | 24°17 | 27°58 | 7°44 | 2°14 | 9° 5 | 19°47 | 2° 0 | 7°10 | 5°37 | 26°13 | 26°44 | F 25 |
| S 26 | 18 42 1 | 10° 5'11 | 21°20 | 20°25 | 25° 7 | 28°36 | 7°43 | 2°22 | 9° 9 | 19°48 | 2° 0 | 7° 3 | 5°34 | 26°19 | 26°42 | S 26 |
| S 27 | 18 45 58 | 11° 2'25 | 3♋18 | 21°50 | 25°58 | 29°14 | 7°42 | 2°30 | 9°12 | 19°49 | 2° 1 | 6°53 | 5°31 | 26°26 | 26°40 | S 27 |
| M28 | 18 49 54 | 11°59'39 | 15°13 | 23°19 | 26°49 | 29°52 | 7°41 | 2°37 | 9°16 | 19°50 | 2° 1 | 6°42 | 5°28 | 26°33 | 26°37 | M28 |
| T 29 | 18 53 51 | 12°56'54 | 27° 5 | 24°52 | 27°41 | 0♌30 | 7°39 | 2°45 | 9°19 | 19°51 | 2° 2 | 6°30 | 5°25 | 26°40 | 26°35 | T 29 |
| W30 | 18 57 47 | 13♋54'09 | 8♌57 | 26♊29 | 28♉34 | 1♌ 8 | 7♓38 | 2♋53 | 9♌22 | 19♍52 | 2♉ 3 | 6♏18 | 5♏22 | 26♋46 | 26♏33 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n50 | 17n29 | 4s51 | 18n 2 | 4s 4 | 11n57 | 2s45 | 24n 7 | 1n11 | 10s 0 | 1s 9 | 22n57 | 0s36 | 19n 1 | 0n39 | 5n27 | 1n24 | 2s41 | 15s44 | 14s20 | 13s53 | 16n33 | 16s15 | 3n39 |
| W 2 | 22 56 | 15 12 | 5 7 | 17 51 | 4 12 | 11 59 | 2 51 | 24 3 | 1 12 | 9 59 | 1 10 | 22 57 | 0 36 | 19 0 | 0 39 | 5 27 | 1 24 | 2 41 | 15 44 | 14 18 | 13 52 | 16 32 | 16 14 | 3 39 |
| T 3 | 23 1 | 12 19 | 5 9 | 17 42 | 4 18 | 12 2 | 2 56 | 23 59 | 1 12 | 9 58 | 1 10 | 22 57 | 0 36 | 18 59 | 0 39 | 5 27 | 1 24 | 2 41 | 15 45 | 14 16 | 13 51 | 16 31 | 16 13 | 3 40 |
| F 4 | 23 6 | 8 54 | 4 58 | 17 34 | 4 22 | 12 6 | 3 1 | 23 55 | 1 12 | 9 57 | 1 10 | 22 57 | 0 36 | 18 59 | 0 39 | 5 27 | 1 24 | 2 40 | 15 45 | 14 14 | 13 50 | 16 29 | 16 12 | 3 40 |
| S 5 | 23 11 | 5 7 | 4 34 | 17 28 | 4 25 | 12 10 | 3 6 | 23 51 | 1 12 | 9 56 | 1 11 | 22 57 | 0 36 | 18 58 | 0 39 | 5 27 | 1 24 | 2 40 | 15 45 | 14 14 | 13 49 | 16 28 | 16 11 | 3 40 |
| S 6 | 23 15 | 1 4 | 3 57 | 17 25 | 4 27 | 12 15 | 3 10 | 23 46 | 1 12 | 9 55 | 1 11 | 22 57 | 0 36 | 18 57 | 0 39 | 5 26 | 1 24 | 2 40 | 15 45 | 14 13 | 13 48 | 16 27 | 16 10 | 3 40 |
| M 7 | 23 18 | 3s 8 | 3 8 | 17 23 | 4 27 | 12 21 | 3 14 | 23 42 | 1 12 | 9 54 | 1 11 | 22 57 | 0 36 | 18 56 | 0 39 | 5 26 | 1 24 | 2 40 | 15 46 | 14 13 | 13 46 | 16 25 | 16 10 | 3 40 |
| T 8 | 23 22 | 7 18 | 2 9 | 17 23 | 4 26 | 12 27 | 3 18 | 23 37 | 1 12 | 9 54 | 1 12 | 22 58 | 0 36 | 18 56 | 0 39 | 5 26 | 1 24 | 2 40 | 15 46 | 14 14 | 13 45 | 16 24 | 16 9 | 3 40 |
| W 9 | 23 25 | 11 16 | 1 1 | 17 25 | 4 24 | 12 34 | 3 22 | 23 32 | 1 12 | 9 53 | 1 12 | 22 58 | 0 35 | 18 55 | 0 39 | 5 26 | 1 24 | 2 40 | 15 46 | 14 14 | 13 44 | 16 23 | 16 8 | 3 40 |
| T 10 | 23 27 | 14 47 | 0n12 | 17 30 | 4 20 | 12 41 | 3 25 | 23 27 | 1 12 | 9 53 | 1 12 | 22 58 | 0 35 | 18 54 | 0 39 | 5 26 | 1 24 | 2 40 | 15 46 | 14 14 | 13 43 | 16 21 | 16 7 | 3 40 |
| F 11 | 23 29 | 17 33 | 1 27 | 17 36 | 4 16 | 12 49 | 3 28 | 23 22 | 1 12 | 9 52 | 1 12 | 22 58 | 0 35 | 18 53 | 0 39 | 5 25 | 1 24 | 2 40 | 15 46 | 14 14 | 13 42 | 16 20 | 16 6 | 3 40 |
| S 12 | 23 31 | 19 17 | 2 39 | 17 43 | 4 10 | 12 57 | 3 31 | 23 16 | 1 12 | 9 52 | 1 13 | 22 58 | 0 35 | 18 52 | 0 39 | 5 25 | 1 24 | 2 40 | 15 47 | 14 13 | 13 41 | 16 19 | 16 6 | 3 40 |
| S 13 | 23 32 | 19 43 | 3 41 | 17 53 | 4 3 | 13 6 | 3 33 | 23 10 | 1 12 | 9 52 | 1 13 | 22 58 | 0 35 | 18 52 | 0 39 | 5 25 | 1 24 | 2 40 | 15 47 | 14 11 | 13 40 | 16 17 | 16 5 | 3 40 |
| M14 | 23 33 | 18 46 | 4 29 | 18 4 | 3 56 | 13 16 | 3 35 | 23 5 | 1 12 | 9 51 | 1 13 | 22 58 | 0 35 | 18 51 | 0 39 | 5 25 | 1 24 | 2 40 | 15 47 | 14 9 | 13 39 | 16 16 | 16 4 | 3 40 |
| T 15 | 23 33 | 16 29 | 4 58 | 18 17 | 3 48 | 13 25 | 3 37 | 22 59 | 1 12 | 9 51 | 1 14 | 22 58 | 0 35 | 18 50 | 0 39 | 5 24 | 1 24 | 2 40 | 15 47 | 14 6 | 13 38 | 16 15 | 16 3 | 3 40 |
| W16 | 23 33 | 13 6 | 5 6 | 18 30 | 3 38 | 13 35 | 3 39 | 22 52 | 1 12 | 9 51 | 1 14 | 22 58 | 0 35 | 18 49 | 0 39 | 5 24 | 1 24 | 2 40 | 15 48 | 14 4 | 13 37 | 16 13 | 16 3 | 3 40 |
| T 17 | 23 33 | 8 57 | 4 54 | 18 46 | 3 28 | 13 46 | 3 40 | 22 46 | 1 12 | 9 51 | 1 14 | 22 58 | 0 35 | 18 48 | 0 39 | 5 24 | 1 24 | 2 40 | 15 48 | 14 2 | 13 36 | 16 12 | 16 2 | 3 40 |
| F 18 | 23 32 | 4 23 | 4 22 | 19 2 | 3 18 | 13 56 | 3 42 | 22 40 | 1 12 | 9 51 | 1 15 | 22 58 | 0 35 | 18 47 | 0 39 | 5 23 | 1 24 | 2 40 | 15 48 | 14 1 | 13 35 | 16 11 | 16 1 | 3 40 |
| S 19 | 23 30 | 0n19 | 3 36 | 19 19 | 3 7 | 14 7 | 3 43 | 22 33 | 1 12 | 9 51 | 1 15 | 22 58 | 0 35 | 18 47 | 0 39 | 5 23 | 1 24 | 2 40 | 15 48 | 14 0 | 13 34 | 16 9 | 16 1 | 3 40 |
| S 20 | 23 29 | 4 51 | 2 39 | 19 37 | 2 55 | 14 19 | 3 43 | 22 26 | 1 11 | 9 51 | 1 15 | 22 58 | 0 34 | 18 46 | 0 39 | 5 23 | 1 24 | 2 40 | 15 49 | 14 0 | 13 33 | 16 8 | 16 0 | 3 40 |
| M21 | 23 27 | 9 3 | 1 35 | 19 56 | 2 43 | 14 30 | 3 44 | 22 19 | 1 11 | 9 52 | 1 16 | 22 58 | 0 34 | 18 45 | 0 39 | 5 22 | 1 24 | 2 40 | 15 49 | 14 0 | 13 32 | 16 7 | 15 59 | 3 40 |
| T 22 | 23 24 | 12 42 | 0 27 | 20 15 | 2 31 | 14 42 | 3 45 | 22 12 | 1 11 | 9 52 | 1 16 | 22 58 | 0 34 | 18 44 | 0 39 | 5 22 | 1 24 | 2 40 | 15 49 | 14 0 | 13 31 | 16 5 | 15 59 | 3 40 |
| W23 | 23 21 | 15 42 | 0s40 | 20 35 | 2 18 | 14 54 | 3 45 | 22 5 | 1 11 | 9 52 | 1 16 | 22 58 | 0 34 | 18 43 | 0 39 | 5 21 | 1 24 | 2 40 | 15 50 | 14 0 | 13 30 | 16 4 | 15 58 | 3 40 |
| T 24 | 23 18 | 17 55 | 1 44 | 20 55 | 2 5 | 15 6 | 3 45 | 21 57 | 1 11 | 9 53 | 1 16 | 22 58 | 0 34 | 18 42 | 0 39 | 5 21 | 1 24 | 2 40 | 15 50 | 13 59 | 13 29 | 16 3 | 15 58 | 3 40 |
| F 25 | 23 14 | 19 16 | 2 42 | 21 14 | 1 52 | 15 18 | 3 45 | 21 50 | 1 11 | 9 54 | 1 17 | 22 58 | 0 34 | 18 41 | 0 39 | 5 21 | 1 24 | 2 40 | 15 50 | 13 58 | 13 27 | 16 1 | 15 57 | 3 40 |
| S 26 | 23 10 | 19 44 | 3 32 | 21 34 | 1 39 | 15 30 | 3 45 | 21 42 | 1 11 | 9 54 | 1 17 | 22 58 | 0 34 | 18 40 | 0 39 | 5 20 | 1 24 | 2 40 | 15 50 | 13 56 | 13 26 | 16 0 | 15 57 | 3 40 |
| S 27 | 23 5 | 19 18 | 4 12 | 21 53 | 1 25 | 15 42 | 3 44 | 21 34 | 1 11 | 9 55 | 1 17 | 22 58 | 0 34 | 18 39 | 0 39 | 5 20 | 1 23 | 2 40 | 15 51 | 13 53 | 13 25 | 15 58 | 15 56 | 3 40 |
| M28 | 23 0 | 18 1 | 4 41 | 22 11 | 1 12 | 15 55 | 3 44 | 21 26 | 1 11 | 9 56 | 1 18 | 22 58 | 0 34 | 18 39 | 0 39 | 5 19 | 1 23 | 2 40 | 15 51 | 13 49 | 13 24 | 15 57 | 15 56 | 3 40 |
| T 29 | 22 55 | 15 58 | 4 58 | 22 29 | 0 58 | 16 7 | 3 43 | 21 18 | 1 11 | 9 57 | 1 18 | 22 58 | 0 34 | 18 38 | 0 39 | 5 19 | 1 23 | 2 40 | 15 51 | 13 45 | 13 23 | 15 56 | 15 55 | 3 40 |
| W30 | 22n49 | 13n15 | 5s 2 | 22n45 | 0s45 | 16n19 | 3s42 | 21n 9 | 1n11 | 9s57 | 1s18 | 22n58 | 0s34 | 18n37 | 0n39 | 5n18 | 1n23 | 2s40 | 15s51 | 13s41 | 13s22 | 15n54 | 15s55 | 3n39 |

Julian Day Number = 2130289.5, Delta T = 16m40s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'40, Lahiri = 11°35'40 Julian Calendar 1 June 1120 == Greg. Calendar 8 June 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## JULY 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 1 44 | 14♋51'25 | 20♌49 | 28♊10 | 29♉27 | 1♌46 | 7°R36 | 3♋ 0 | 9♌26 | 19♍53 | 2♉ 3 | 6°R 7 | 5♏18 | 26♋53 | 26°R31 | T 1 |
| F 2 | 19 5 40 | 15°48'41 | 2♍45 | 29°54 | 0♊20 | 2°24 | 7♓34 | 3° 8 | 9°29 | 19°55 | 2° 4 | 5♏58 | 5°15 | 27° 0 | 26♏29 | F 2 |
| S 3 | 19 9 37 | 16°45'58 | 14°47 | 1♋42 | 1°15 | 3° 1 | 7°31 | 3°16 | 9°33 | 19°56 | 2° 4 | 5°51 | 5°12 | 27° 6 | 26°27 | S 3 |
| S 4 | 19 13 33 | 17°43'15 | 26°59 | 3°33 | 2°10 | 3°39 | 7°29 | 3°24 | 9°36 | 19°57 | 2° 5 | 5°47 | 5° 9 | 27°13 | 26°26 | S 4 |
| M 5 | 19 17 30 | 18°40'32 | 9♎24 | 5°26 | 3° 5 | 4°17 | 7°26 | 3°31 | 9°40 | 19°58 | 2° 5 | 5°45 | 5° 6 | 27°20 | 26°24 | M 5 |
| T 6 | 19 21 27 | 19°37'50 | 22° 8 | 7°23 | 4° 1 | 4°55 | 7°23 | 3°39 | 9°43 | 20° 0 | 2° 5 | 5°D45 | 5° 2 | 27°27 | 26°23 | T 6 |
| W 7 | 19 25 23 | 20°35'08 | 5♏14 | 9°21 | 4°57 | 5°33 | 7°20 | 3°46 | 9°47 | 20° 1 | 2° 6 | 5°R45 | 4°59 | 27°33 | 26°21 | W 7 |
| T 8 | 19 29 20 | 21°32'27 | 18°47 | 11°22 | 5°53 | 6°11 | 7°17 | 3°54 | 9°51 | 20° 2 | 2° 6 | 5°44 | 4°56 | 27°40 | 26°20 | T 8 |
| F 9 | 19 33 16 | 22°29'46 | 2♐48 | 13°24 | 6°51 | 6°49 | 7°13 | 4° 2 | 9°54 | 20° 4 | 2° 7 | 5°42 | 4°53 | 27°47 | 26°18 | F 9 |
| S 10 | 19 37 13 | 23°27'06 | 17°18 | 15°27 | 7°48 | 7°27 | 7°10 | 4° 9 | 9°58 | 20° 5 | 2° 7 | 5°37 | 4°50 | 27°53 | 26°17 | S 10 |
| S 11 | 19 41 9 | 24°24'27 | 2♑13 | 17°32 | 8°46 | 8° 5 | 7° 6 | 4°17 | 10° 1 | 20° 6 | 2° 7 | 5°30 | 4°47 | 28° 0 | 26°16 | S 11 |
| M12 | 19 45 6 | 25°21'48 | 17°26 | 19°37 | 9°45 | 8°43 | 7° 2 | 4°24 | 10° 5 | 20° 8 | 2° 8 | 5°21 | 4°43 | 28° 7 | 26°15 | M12 |
| T 13 | 19 49 2 | 26°19'11 | 2♒46 | 21°42 | 10°43 | 9°21 | 6°58 | 4°32 | 10° 9 | 20° 9 | 2° 8 | 5°11 | 4°40 | 28°14 | 26°14 | T 13 |
| W14 | 19 52 59 | 27°16'34 | 18° 3 | 23°48 | 11°42 | 9°59 | 6°54 | 4°39 | 10°12 | 20°11 | 2° 8 | 5° 0 | 4°37 | 28°20 | 26°13 | W14 |
| T 15 | 19 56 56 | 28°13'58 | 3♓ 4 | 25°53 | 12°42 | 10°37 | 6°49 | 4°46 | 10°16 | 20°12 | 2° 8 | 4°51 | 4°34 | 28°27 | 26°13 | T 15 |
| F 16 | 20 0 52 | 29°11'23 | 17°43 | 27°58 | 13°42 | 11°15 | 6°45 | 4°54 | 10°20 | 20°14 | 2° 9 | 4°44 | 4°31 | 28°34 | 26°12 | F 16 |
| S 17 | 20 4 49 | 0♈ 8'50 | 1♈53 | 0♈ 2 | 14°42 | 11°53 | 6°40 | 5° 1 | 10°23 | 20°15 | 2° 9 | 4°40 | 4°28 | 28°41 | 26°12 | S 17 |
| S 18 | 20 8 45 | 1° 6'18 | 15°35 | 2° 6 | 15°43 | 12°31 | 6°35 | 5° 9 | 10°27 | 20°17 | 2° 9 | 4°38 | 4°24 | 28°47 | 26°11 | S 18 |
| M19 | 20 12 42 | 2° 3'48 | 28°48 | 4° 8 | 16°44 | 13° 9 | 6°30 | 5°16 | 10°31 | 20°19 | 2° 9 | 4°37 | 4°21 | 28°54 | 26°11 | M19 |
| T 20 | 20 16 38 | 3° 1'19 | 11♉38 | 6° 9 | 17°45 | 13°47 | 6°24 | 5°23 | 10°34 | 20°20 | 2° 9 | 4°37 | 4°18 | 29° 1 | 26°11 | T 20 |
| W21 | 20 20 35 | 3°58'51 | 24° 8 | 8° 9 | 18°47 | 14°25 | 6°19 | 5°30 | 10°38 | 20°22 | 2° 9 | 4°37 | 4°15 | 29° 7 | 26°10 | W21 |
| T 22 | 20 24 31 | 4°56'25 | 6♊23 | 10° 8 | 19°48 | 15° 3 | 6°13 | 5°38 | 10°42 | 20°24 | 2°10 | 4°34 | 4°12 | 29°14 | 26°D10 | T 22 |
| F 23 | 20 28 28 | 5°54'00 | 18°27 | 12° 6 | 20°51 | 15°41 | 6° 8 | 5°45 | 10°46 | 20°25 | 2°10 | 4°29 | 4° 8 | 29°21 | 26°10 | F 23 |
| S 24 | 20 32 25 | 6°51'37 | 0♋24 | 14° 2 | 21°53 | 16°19 | 6° 2 | 5°52 | 10°49 | 20°27 | 2°10 | 4°21 | 4° 5 | 29°28 | 26°11 | S 24 |
| S 25 | 20 36 21 | 7°49'15 | 12°17 | 15°57 | 22°56 | 16°57 | 5°56 | 5°59 | 10°53 | 20°29 | 2°10 | 4°10 | 4° 2 | 29°34 | 26°11 | S 25 |
| M26 | 20 40 18 | 8°46'54 | 24° 9 | 17°50 | 23°59 | 17°35 | 5°49 | 6° 6 | 10°57 | 20°30 | 2°R10 | 3°57 | 3°59 | 29°41 | 26°11 | M26 |
| T 27 | 20 44 14 | 9°44'35 | 6♌ 1 | 19°42 | 25° 2 | 18°14 | 5°43 | 6°13 | 11° 0 | 20°32 | 2°10 | 3°43 | 3°56 | 29°48 | 26°12 | T 27 |
| W28 | 20 48 11 | 10°42'18 | 17°55 | 21°32 | 26° 6 | 18°52 | 5°37 | 6°20 | 11° 4 | 20°34 | 2°10 | 3°29 | 3°53 | 29°55 | 26°12 | W28 |
| T 29 | 20 52 7 | 11°40'01 | 29°52 | 23°21 | 27°10 | 19°30 | 5°30 | 6°27 | 11° 8 | 20°36 | 2°10 | 3°17 | 3°49 | 0♌ 1 | 26°13 | T 29 |
| F 30 | 20 56 4 | 12°37'46 | 11♍53 | 25° 9 | 28°14 | 20° 8 | 5°24 | 6°34 | 11°12 | 20°38 | 2°10 | 3° 6 | 3°46 | 0° 8 | 26°13 | F 30 |
| S 31 | 21 0 0 | 13♌35'32 | 24♍ 1 | 26♌55 | 29♊18 | 20♌46 | 5♓17 | 6♋40 | 11♌15 | 20♍39 | 2♉ 9 | 2♏58 | 3♏43 | 0♌15 | 26♏14 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n43 | 10n 0 | 4s52 | 23n 0 | 0s32 | 16n32 | 3s41 | 21n 1 | 1n11 | 9s59 | 1s19 | 22n57 | 0s34 | 18n36 | 0n39 | 5n18 | 1n23 | 2s40 | 15s52 | 13s37 | 13s21 | 15n53 | 15s55 | 3n39 |
| F 2 | 22 37 | 6 20 | 4 30 | 23 14 | 0 19 | 16 44 | 3 40 | 20 52 | 1 11 | 10 0 | 1 19 | 22 57 | 0 34 | 18 35 | 0 39 | 5 17 | 1 23 | 2 40 | 15 52 | 13 34 | 13 20 | 15 51 | 15 54 | 3 39 |
| S 3 | 22 30 | 2 24 | 3 56 | 23 26 | 0 7 | 16 57 | 3 38 | 20 43 | 1 11 | 10 1 | 1 19 | 22 57 | 0 33 | 18 34 | 0 39 | 5 17 | 1 23 | 2 40 | 15 52 | 13 32 | 13 19 | 15 50 | 15 54 | 3 39 |
| S 4 | 22 22 | 1s42 | 3 10 | 23 35 | 0n 5 | 17 9 | 3 37 | 20 34 | 1 11 | 10 2 | 1 20 | 22 57 | 0 33 | 18 33 | 0 39 | 5 16 | 1 23 | 2 41 | 15 53 | 13 31 | 13 18 | 15 49 | 15 54 | 3 39 |
| M 5 | 22 15 | 5 49 | 2 15 | 23 43 | 0 17 | 17 21 | 3 35 | 20 25 | 1 11 | 10 3 | 1 20 | 22 57 | 0 33 | 18 32 | 0 39 | 5 16 | 1 23 | 2 41 | 15 53 | 13 30 | 13 17 | 15 47 | 15 53 | 3 39 |
| T 6 | 22 6 | 9 46 | 1 12 | 23 49 | 0 28 | 17 33 | 3 34 | 20 16 | 1 11 | 10 5 | 1 20 | 22 57 | 0 33 | 18 31 | 0 39 | 5 15 | 1 23 | 2 41 | 15 53 | 13 30 | 13 16 | 15 46 | 15 53 | 3 39 |
| W 7 | 21 58 | 13 22 | 0 3 | 23 51 | 0 38 | 17 45 | 3 32 | 20 7 | 1 11 | 10 6 | 1 20 | 22 57 | 0 33 | 18 30 | 0 39 | 5 15 | 1 23 | 2 41 | 15 54 | 13 30 | 13 15 | 15 45 | 15 53 | 3 39 |
| T 8 | 21 49 | 16 24 | 1n 9 | 23 52 | 0 48 | 17 57 | 3 30 | 19 57 | 1 10 | 10 7 | 1 21 | 22 57 | 0 33 | 18 29 | 0 39 | 5 14 | 1 23 | 2 41 | 15 54 | 13 30 | 13 14 | 15 43 | 15 53 | 3 39 |
| F 9 | 21 40 | 18 34 | 2 18 | 23 49 | 0 57 | 18 9 | 3 28 | 19 47 | 1 10 | 10 9 | 1 21 | 22 56 | 0 33 | 18 28 | 0 39 | 5 14 | 1 23 | 2 41 | 15 54 | 13 29 | 13 13 | 15 42 | 15 52 | 3 39 |
| S 10 | 21 30 | 19 36 | 3 21 | 23 44 | 1 6 | 18 20 | 3 25 | 19 38 | 1 10 | 10 11 | 1 21 | 22 56 | 0 33 | 18 27 | 0 39 | 5 13 | 1 23 | 2 42 | 15 54 | 13 27 | 13 11 | 15 40 | 15 52 | 3 38 |
| S 11 | 21 20 | 19 20 | 4 12 | 23 36 | 1 13 | 18 31 | 3 23 | 19 28 | 1 10 | 10 12 | 1 22 | 22 56 | 0 33 | 18 26 | 0 39 | 5 12 | 1 23 | 2 42 | 15 55 | 13 25 | 13 10 | 15 39 | 15 52 | 3 38 |
| M12 | 21 10 | 17 41 | 4 46 | 23 26 | 1 20 | 18 42 | 3 21 | 19 18 | 1 10 | 10 14 | 1 22 | 22 56 | 0 33 | 18 25 | 0 39 | 5 12 | 1 23 | 2 42 | 15 55 | 13 22 | 13 9 | 15 38 | 15 52 | 3 38 |
| T 13 | 20 59 | 14 45 | 5 0 | 23 13 | 1 26 | 18 53 | 3 18 | 19 7 | 1 10 | 10 16 | 1 22 | 22 56 | 0 33 | 18 24 | 0 39 | 5 11 | 1 23 | 2 42 | 15 55 | 13 18 | 13 8 | 15 36 | 15 52 | 3 38 |
| W14 | 20 48 | 10 51 | 4 53 | 22 57 | 1 31 | 19 4 | 3 16 | 18 57 | 1 10 | 10 18 | 1 22 | 22 55 | 0 33 | 18 23 | 0 39 | 5 11 | 1 23 | 2 42 | 15 56 | 13 15 | 13 7 | 15 35 | 15 52 | 3 38 |
| T 15 | 20 37 | 6 18 | 4 25 | 22 38 | 1 36 | 19 14 | 3 13 | 18 47 | 1 10 | 10 20 | 1 23 | 22 55 | 0 33 | 18 22 | 0 39 | 5 10 | 1 23 | 2 42 | 15 56 | 13 12 | 13 6 | 15 33 | 15 52 | 3 38 |
| F 16 | 20 25 | 1 29 | 3 41 | 22 17 | 1 39 | 19 24 | 3 10 | 18 36 | 1 10 | 10 22 | 1 23 | 22 55 | 0 33 | 18 21 | 0 39 | 5 9 | 1 23 | 2 43 | 15 56 | 13 10 | 13 5 | 15 32 | 15 52 | 3 38 |
| S 17 | 20 13 | 3n15 | 2 44 | 21 54 | 1 42 | 19 34 | 3 7 | 18 25 | 1 10 | 10 24 | 1 23 | 22 55 | 0 32 | 18 20 | 0 39 | 5 9 | 1 23 | 2 43 | 15 57 | 13 8 | 13 4 | 15 30 | 15 52 | 3 38 |
| S 18 | 20 0 | 7 41 | 1 39 | 21 29 | 1 45 | 19 44 | 3 4 | 18 14 | 1 10 | 10 26 | 1 23 | 22 55 | 0 32 | 18 19 | 0 39 | 5 8 | 1 23 | 2 43 | 15 57 | 13 7 | 13 3 | 15 29 | 15 52 | 3 37 |
| M19 | 19 48 | 11 35 | 0 31 | 21 2 | 1 46 | 19 53 | 3 1 | 18 3 | 1 9 | 10 28 | 1 24 | 22 54 | 0 32 | 18 18 | 0 39 | 5 7 | 1 23 | 2 43 | 15 57 | 13 7 | 13 2 | 15 28 | 15 52 | 3 37 |
| T 20 | 19 34 | 14 48 | 0s37 | 20 33 | 1 47 | 20 2 | 2 58 | 17 52 | 1 9 | 10 30 | 1 24 | 22 54 | 0 32 | 18 17 | 0 39 | 5 7 | 1 23 | 2 44 | 15 57 | 13 7 | 13 1 | 15 26 | 15 52 | 3 37 |
| W21 | 19 21 | 17 16 | 1 41 | 20 2 | 1 47 | 20 10 | 2 55 | 17 41 | 1 9 | 10 32 | 1 24 | 22 54 | 0 32 | 18 16 | 0 39 | 5 6 | 1 23 | 2 44 | 15 58 | 13 7 | 13 0 | 15 25 | 15 52 | 3 37 |
| T 22 | 19 7 | 18 52 | 2 39 | 19 29 | 1 46 | 20 18 | 2 52 | 17 30 | 1 9 | 10 35 | 1 24 | 22 54 | 0 32 | 18 15 | 0 39 | 5 5 | 1 23 | 2 44 | 15 58 | 13 6 | 12 59 | 15 23 | 15 52 | 3 37 |
| F 23 | 18 53 | 19 34 | 3 29 | 18 55 | 1 45 | 20 26 | 2 48 | 17 18 | 1 9 | 10 37 | 1 25 | 22 53 | 0 32 | 18 14 | 0 39 | 5 5 | 1 23 | 2 44 | 15 58 | 13 4 | 12 58 | 15 22 | 15 52 | 3 37 |
| S 24 | 18 39 | 19 24 | 4 9 | 18 20 | 1 43 | 20 33 | 2 45 | 17 7 | 1 9 | 10 39 | 1 25 | 22 53 | 0 32 | 18 13 | 0 39 | 5 4 | 1 23 | 2 45 | 15 59 | 13 2 | 12 56 | 15 20 | 15 53 | 3 37 |
| S 25 | 18 24 | 18 21 | 4 39 | 17 44 | 1 41 | 20 40 | 2 42 | 16 55 | 1 9 | 10 42 | 1 25 | 22 53 | 0 32 | 18 12 | 0 39 | 5 3 | 1 23 | 2 45 | 15 59 | 12 58 | 12 55 | 15 19 | 15 53 | 3 36 |
| M26 | 18 9 | 16 32 | 4 55 | 17 7 | 1 38 | 20 47 | 2 38 | 16 43 | 1 9 | 10 44 | 1 25 | 22 53 | 0 32 | 18 11 | 0 39 | 5 3 | 1 23 | 2 45 | 15 59 | 12 54 | 12 54 | 15 18 | 15 53 | 3 36 |
| T 27 | 17 54 | 14 1 | 4 59 | 16 28 | 1 35 | 20 53 | 2 35 | 16 31 | 1 9 | 10 47 | 1 26 | 22 52 | 0 32 | 18 10 | 0 39 | 5 2 | 1 23 | 2 46 | 16 0 | 12 49 | 12 53 | 15 16 | 15 53 | 3 36 |
| W28 | 17 38 | 10 55 | 4 50 | 15 49 | 1 31 | 20 59 | 2 31 | 16 19 | 1 8 | 10 50 | 1 26 | 22 52 | 0 32 | 18 9 | 0 39 | 5 1 | 1 23 | 2 46 | 16 0 | 12 44 | 12 52 | 15 15 | 15 54 | 3 36 |
| T 29 | 17 22 | 7 23 | 4 29 | 15 10 | 1 27 | 21 4 | 2 27 | 16 7 | 1 8 | 10 52 | 1 26 | 22 52 | 0 32 | 18 8 | 0 39 | 5 0 | 1 23 | 2 46 | 16 0 | 12 40 | 12 51 | 15 13 | 15 54 | 3 36 |
| F 30 | 17 6 | 3 31 | 3 55 | 14 29 | 1 22 | 21 9 | 2 24 | 15 55 | 1 8 | 10 55 | 1 26 | 22 52 | 0 32 | 18 7 | 0 39 | 5 0 | 1 23 | 2 46 | 16 1 | 12 36 | 12 50 | 15 12 | 15 54 | 3 36 |
| S 31 | 16n49 | 0s31 | 3s10 | 13n48 | 1n17 | 21n13 | 2s20 | 15n43 | 1n 8 | 10s58 | 1s26 | 22n51 | 0s32 | 18n 6 | 0n39 | 4n59 | 1n23 | 2s47 | 16s 1 | 12s33 | 12s49 | 15n10 | 15s55 | 3n35 |

Julian Day Number = 2130319.5, Delta T = 16m39s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'44, Lahiri = 11°35'44 Julian Calendar 1 July 1120 == Greg. Calendar 8 July 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## AUGUST 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 3 57 | 14♌33'19 | 6♎18 | 28♌40 | 0♋22 | 21♌24 | 5°R10 | 6♋47 | 11♌19 | 20♍41 | 2°R 9 | 2°R53 | 3♏40 | 0♌21 | 26♏15 | S 1 |
| M 2 | 21 7 54 | 15°31'08 | 18°47 | 0♍23 | 1°27 | 22° 2 | 5♓ 3 | 6°54 | 11°23 | 20°43 | 2♉ 9 | 2♏50 | 3°37 | 0°28 | 26°16 | M 2 |
| T 3 | 21 11 50 | 16°28'58 | 1♏31 | 2° 5 | 2°32 | 22°41 | 4°56 | 7° 1 | 11°27 | 20°45 | 2° 9 | 2°D50 | 3°33 | 0°35 | 26°17 | T 3 |
| W 4 | 21 15 47 | 17°26'49 | 14°35 | 3°46 | 3°37 | 23°19 | 4°49 | 7° 7 | 11°30 | 20°47 | 2° 9 | 2°R50 | 3°30 | 0°42 | 26°19 | W 4 |
| T 5 | 21 19 43 | 18°24'41 | 28° 1 | 5°25 | 4°43 | 23°57 | 4°41 | 7°14 | 11°34 | 20°49 | 2° 9 | 2°49 | 3°27 | 0°48 | 26°20 | T 5 |
| F 6 | 21 23 40 | 19°22'35 | 11♐53 | 7° 3 | 5°48 | 24°35 | 4°34 | 7°20 | 11°38 | 20°51 | 2° 8 | 2°48 | 3°24 | 0°55 | 26°21 | F 6 |
| S 7 | 21 27 36 | 20°20'30 | 26°12 | 8°40 | 6°54 | 25°14 | 4°26 | 7°27 | 11°41 | 20°53 | 2° 8 | 2°44 | 3°21 | 1° 2 | 26°23 | S 7 |
| S 8 | 21 31 33 | 21°18'27 | 10♑55 | 10°15 | 8° 0 | 25°52 | 4°19 | 7°33 | 11°45 | 20°55 | 2° 8 | 2°37 | 3°18 | 1° 8 | 26°24 | S 8 |
| M 9 | 21 35 29 | 22°16'24 | 25°57 | 11°49 | 9° 6 | 26°30 | 4°11 | 7°39 | 11°49 | 20°57 | 2° 8 | 2°29 | 3°14 | 1°15 | 26°26 | M 9 |
| T 10 | 21 39 26 | 23°14'24 | 11♒10 | 13°22 | 10°13 | 27° 8 | 4° 4 | 7°46 | 11°52 | 20°59 | 2° 7 | 2°19 | 3°11 | 1°22 | 26°28 | T 10 |
| W11 | 21 43 23 | 24°12'24 | 26°24 | 14°53 | 11°19 | 27°47 | 3°56 | 7°52 | 11°56 | 21° 1 | 2° 7 | 2° 9 | 3° 8 | 1°29 | 26°30 | W11 |
| T 12 | 21 47 19 | 25°10'27 | 11♓27 | 16°23 | 12°26 | 28°25 | 3°48 | 7°58 | 12° 0 | 21° 3 | 2° 7 | 2° 0 | 3° 5 | 1°35 | 26°32 | T 12 |
| F 13 | 21 51 16 | 26° 8'31 | 26°10 | 17°51 | 13°33 | 29° 3 | 3°40 | 8° 4 | 12° 3 | 21° 5 | 2° 6 | 1°54 | 3° 2 | 1°42 | 26°34 | F 13 |
| S 14 | 21 55 12 | 27° 6'37 | 10♈27 | 19°19 | 14°40 | 29°42 | 3°33 | 8°10 | 12° 7 | 21° 7 | 2° 6 | 1°50 | 2°59 | 1°49 | 26°36 | S 14 |
| S 15 | 21 59 9 | 28° 4'45 | 24°15 | 20°45 | 15°48 | 0♍20 | 3°25 | 8°16 | 12°11 | 21° 9 | 2° 6 | 1°48 | 2°55 | 1°56 | 26°38 | S 15 |
| M16 | 22 3 5 | 29° 2'55 | 7♉34 | 22° 9 | 16°55 | 0°58 | 3°17 | 8°22 | 12°14 | 21°11 | 2° 5 | 1°D48 | 2°52 | 2° 2 | 26°40 | M16 |
| T 17 | 22 7 2 | 0♍ 1'08 | 20°28 | 23°33 | 18° 3 | 1°37 | 3° 9 | 8°28 | 12°18 | 21°13 | 2° 5 | 1°48 | 2°49 | 2° 9 | 26°43 | T 17 |
| W18 | 22 10 58 | 0°59'22 | 3♊ 0 | 24°54 | 19°11 | 2°15 | 3° 1 | 8°34 | 12°22 | 21°15 | 2° 4 | 1°R49 | 2°46 | 2°16 | 26°45 | W18 |
| T 19 | 22 14 55 | 1°57'38 | 15°15 | 26°15 | 20°19 | 2°54 | 2°53 | 8°40 | 12°25 | 21°18 | 2° 4 | 1°48 | 2°43 | 2°22 | 26°48 | T 19 |
| F 20 | 22 18 52 | 2°55'57 | 27°17 | 27°34 | 21°27 | 3°32 | 2°45 | 8°45 | 12°29 | 21°20 | 2° 3 | 1°45 | 2°39 | 2°29 | 26°51 | F 20 |
| S 21 | 22 22 48 | 3°54'17 | 9♋12 | 28°51 | 22°35 | 4°11 | 2°37 | 8°51 | 12°32 | 21°22 | 2° 3 | 1°39 | 2°36 | 2°36 | 26°53 | S 21 |
| S 22 | 22 26 45 | 4°52'40 | 21° 4 | 0♎ 7 | 23°44 | 4°49 | 2°29 | 8°56 | 12°36 | 21°24 | 2° 2 | 1°32 | 2°33 | 2°43 | 26°56 | S 22 |
| M23 | 22 30 41 | 5°51'05 | 2♌56 | 1°21 | 24°53 | 5°28 | 2°21 | 9° 2 | 12°39 | 21°26 | 2° 2 | 1°22 | 2°30 | 2°49 | 26°59 | M23 |
| T 24 | 22 34 38 | 6°49'32 | 14°50 | 2°33 | 26° 1 | 6° 6 | 2°13 | 9° 7 | 12°43 | 21°28 | 2° 1 | 1°12 | 2°27 | 2°56 | 27° 2 | T 24 |
| W25 | 22 38 34 | 7°48'00 | 26°48 | 3°44 | 27°10 | 6°45 | 2° 5 | 9°12 | 12°46 | 21°31 | 2° 1 | 1° 2 | 2°24 | 3° 3 | 27° 5 | W25 |
| T 26 | 22 42 31 | 8°46'31 | 8♍53 | 4°52 | 28°19 | 7°23 | 1°58 | 9°18 | 12°50 | 21°33 | 2° 0 | 0°52 | 2°20 | 3°10 | 27° 9 | T 26 |
| F 27 | 22 46 27 | 9°45'04 | 21° 4 | 5°59 | 29°29 | 8° 2 | 1°50 | 9°23 | 12°53 | 21°35 | 1°59 | 0°44 | 2°17 | 3°16 | 27°12 | F 27 |
| S 28 | 22 50 24 | 10°43'38 | 3♎24 | 7° 3 | 0♌38 | 8°40 | 1°42 | 9°28 | 12°57 | 21°37 | 1°59 | 0°38 | 2°14 | 3°23 | 27°15 | S 28 |
| S 29 | 22 54 20 | 11°42'14 | 15°54 | 8° 5 | 1°48 | 9°19 | 1°34 | 9°33 | 13° 0 | 21°39 | 1°58 | 0°35 | 2°11 | 3°30 | 27°19 | S 29 |
| M30 | 22 58 17 | 12°40'53 | 28°35 | 9° 5 | 2°57 | 9°58 | 1°26 | 9°38 | 13° 3 | 21°42 | 1°58 | 0°D34 | 2° 8 | 3°36 | 27°22 | M30 |
| T 31 | 23 2 14 | 13♍39'33 | 11♏29 | 10♎ 2 | 4♌ 7 | 10♍36 | 1♓19 | 9♋43 | 13♌ 7 | 21♍44 | 1♉57 | 0♏34 | 2♏ 5 | 3♌43 | 27♏26 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n33 | 4s35 | 2s15 | 13n 7 | 1n12 | 21n17 | 2s16 | 15n30 | 1n 8 | 11s 0 | 1s27 | 22n51 | 0s32 | 18n 5 | 0n39 | 4n58 | 1n22 | 2s47 | 16s 1 | 12s32 | 12s48 | 15n 9 | 15s55 | 3n35 |
| M 2 | 16 15 | 8 32 | 1 14 | 12 25 | 1 6 | 21 20 | 2 12 | 15 18 | 1 8 | 11 3 | 1 27 | 22 51 | 0 32 | 18 4 | 0 39 | 4 57 | 1 22 | 2 47 | 16 1 | 12 31 | 12 47 | 15 7 | 15 55 | 3 35 |
| T 3 | 15 58 | 12 10 | 0 7 | 11 43 | 1 0 | 21 23 | 2 8 | 15 5 | 1 8 | 11 6 | 1 27 | 22 50 | 0 31 | 18 3 | 0 39 | 4 57 | 1 22 | 2 48 | 16 2 | 12 31 | 12 46 | 15 6 | 15 56 | 3 35 |
| W 4 | 15 41 | 15 18 | 1n 2 | 11 0 | 0 54 | 21 26 | 2 4 | 14 52 | 1 7 | 11 9 | 1 27 | 22 50 | 0 31 | 18 2 | 0 39 | 4 56 | 1 22 | 2 48 | 16 2 | 12 31 | 12 45 | 15 5 | 15 56 | 3 35 |
| T 5 | 15 23 | 17 43 | 2 9 | 10 18 | 0 47 | 21 28 | 2 1 | 14 39 | 1 7 | 11 11 | 1 27 | 22 50 | 0 31 | 18 1 | 0 39 | 4 55 | 1 22 | 2 48 | 16 2 | 12 31 | 12 43 | 15 3 | 15 57 | 3 35 |
| F 6 | 15 5 | 19 9 | 3 11 | 9 35 | 0 40 | 21 29 | 1 57 | 14 26 | 1 7 | 11 14 | 1 28 | 22 50 | 0 31 | 18 0 | 0 39 | 4 54 | 1 22 | 2 49 | 16 3 | 12 30 | 12 42 | 15 2 | 15 57 | 3 34 |
| S 7 | 14 46 | 19 26 | 4 3 | 8 53 | 0 33 | 21 30 | 1 53 | 14 13 | 1 7 | 11 17 | 1 28 | 22 49 | 0 31 | 17 59 | 0 39 | 4 53 | 1 22 | 2 49 | 16 3 | 12 29 | 12 41 | 15 0 | 15 58 | 3 34 |
| S 8 | 14 28 | 18 26 | 4 41 | 8 10 | 0 26 | 21 30 | 1 49 | 14 0 | 1 7 | 11 20 | 1 28 | 22 49 | 0 31 | 17 58 | 0 39 | 4 53 | 1 22 | 2 49 | 16 3 | 12 26 | 12 40 | 14 59 | 15 58 | 3 34 |
| M 9 | 14 9 | 16 8 | 5 0 | 7 27 | 0 19 | 21 30 | 1 45 | 13 47 | 1 7 | 11 23 | 1 28 | 22 49 | 0 31 | 17 57 | 0 39 | 4 52 | 1 22 | 2 50 | 16 4 | 12 23 | 12 39 | 14 57 | 15 59 | 3 34 |
| T 10 | 13 50 | 12 43 | 4 59 | 6 45 | 0 11 | 21 29 | 1 41 | 13 34 | 1 6 | 11 26 | 1 28 | 22 48 | 0 31 | 17 56 | 0 39 | 4 51 | 1 22 | 2 50 | 16 4 | 12 20 | 12 38 | 14 56 | 15 59 | 3 34 |
| W11 | 13 31 | 8 27 | 4 36 | 6 2 | 0 3 | 21 28 | 1 37 | 13 20 | 1 6 | 11 29 | 1 28 | 22 48 | 0 31 | 17 55 | 0 39 | 4 50 | 1 22 | 2 51 | 16 4 | 12 17 | 12 37 | 14 54 | 16 0 | 3 34 |
| T 12 | 13 11 | 3 42 | 3 54 | 5 20 | 0s 4 | 21 26 | 1 32 | 13 7 | 1 6 | 11 32 | 1 28 | 22 48 | 0 31 | 17 54 | 0 39 | 4 49 | 1 22 | 2 51 | 16 4 | 12 14 | 12 36 | 14 53 | 16 0 | 3 33 |
| F 13 | 12 52 | 1n11 | 2 58 | 4 38 | 0 12 | 21 24 | 1 28 | 12 53 | 1 6 | 11 35 | 1 29 | 22 47 | 0 31 | 17 53 | 0 39 | 4 49 | 1 22 | 2 51 | 16 5 | 12 11 | 12 35 | 14 51 | 16 1 | 3 33 |
| S 14 | 12 32 | 5 51 | 1 51 | 3 56 | 0 21 | 21 21 | 1 24 | 12 39 | 1 6 | 11 38 | 1 29 | 22 47 | 0 31 | 17 52 | 0 39 | 4 48 | 1 22 | 2 52 | 16 5 | 12 10 | 12 34 | 14 50 | 16 2 | 3 33 |
| S 15 | 12 12 | 10 4 | 0 40 | 3 15 | 0 29 | 21 17 | 1 20 | 12 26 | 1 6 | 11 41 | 1 29 | 22 47 | 0 31 | 17 51 | 0 39 | 4 47 | 1 22 | 2 52 | 16 5 | 12 9 | 12 33 | 14 48 | 16 2 | 3 33 |
| M16 | 11 52 | 13 37 | 0s31 | 2 33 | 0 37 | 21 13 | 1 16 | 12 12 | 1 5 | 11 44 | 1 29 | 22 46 | 0 31 | 17 50 | 0 39 | 4 46 | 1 22 | 2 53 | 16 6 | 12 9 | 12 31 | 14 47 | 16 3 | 3 33 |
| T 17 | 11 31 | 16 22 | 1 38 | 1 53 | 0 46 | 21 8 | 1 12 | 11 58 | 1 5 | 11 47 | 1 29 | 22 46 | 0 31 | 17 49 | 0 39 | 4 45 | 1 22 | 2 53 | 16 6 | 12 9 | 12 30 | 14 45 | 16 4 | 3 33 |
| W18 | 11 10 | 18 16 | 2 39 | 1 12 | 0 54 | 21 3 | 1 8 | 11 44 | 1 5 | 11 50 | 1 29 | 22 46 | 0 31 | 17 48 | 0 39 | 4 44 | 1 22 | 2 53 | 16 6 | 12 10 | 12 29 | 14 44 | 16 5 | 3 33 |
| T 19 | 10 50 | 19 15 | 3 30 | 0 33 | 1 3 | 20 57 | 1 4 | 11 30 | 1 5 | 11 53 | 1 29 | 22 45 | 0 31 | 17 47 | 0 39 | 4 44 | 1 22 | 2 54 | 16 6 | 12 9 | 12 28 | 14 42 | 16 5 | 3 32 |
| F 20 | 10 29 | 19 19 | 4 12 | 0s 7 | 1 11 | 20 51 | 1 0 | 11 16 | 1 5 | 11 56 | 1 29 | 22 45 | 0 31 | 17 46 | 0 39 | 4 43 | 1 22 | 2 54 | 16 7 | 12 8 | 12 27 | 14 41 | 16 6 | 3 32 |
| S 21 | 10 7 | 18 32 | 4 42 | 0 45 | 1 20 | 20 44 | 0 56 | 11 1 | 1 4 | 11 59 | 1 29 | 22 45 | 0 31 | 17 45 | 0 39 | 4 42 | 1 22 | 2 55 | 16 7 | 12 6 | 12 26 | 14 39 | 16 7 | 3 32 |
| S 22 | 9 46 | 16 57 | 5 0 | 1 23 | 1 28 | 20 36 | 0 52 | 10 47 | 1 4 | 12 2 | 1 29 | 22 44 | 0 31 | 17 44 | 0 39 | 4 41 | 1 22 | 2 55 | 16 7 | 12 4 | 12 25 | 14 38 | 16 8 | 3 32 |
| M23 | 9 24 | 14 39 | 5 5 | 2 1 | 1 37 | 20 28 | 0 48 | 10 33 | 1 4 | 12 4 | 1 29 | 22 44 | 0 30 | 17 43 | 0 39 | 4 40 | 1 22 | 2 55 | 16 7 | 12 0 | 12 24 | 14 37 | 16 8 | 3 32 |
| T 24 | 9 3 | 11 44 | 4 56 | 2 38 | 1 45 | 20 19 | 0 44 | 10 18 | 1 4 | 12 7 | 1 29 | 22 44 | 0 30 | 17 42 | 0 39 | 4 39 | 1 22 | 2 56 | 16 8 | 11 57 | 12 23 | 14 35 | 16 9 | 3 32 |
| W25 | 8 41 | 8 20 | 4 35 | 3 13 | 1 54 | 20 10 | 0 40 | 10 4 | 1 4 | 12 10 | 1 29 | 22 43 | 0 30 | 17 41 | 0 39 | 4 38 | 1 22 | 2 56 | 16 8 | 11 53 | 12 22 | 14 34 | 16 10 | 3 31 |
| T 26 | 8 19 | 4 33 | 4 1 | 3 48 | 2 2 | 20 0 | 0 36 | 9 49 | 1 3 | 12 13 | 1 30 | 22 43 | 0 30 | 17 40 | 0 39 | 4 38 | 1 22 | 2 57 | 16 8 | 11 50 | 12 21 | 14 32 | 16 11 | 3 31 |
| F 27 | 7 57 | 0 33 | 3 16 | 4 22 | 2 10 | 19 50 | 0 32 | 9 34 | 1 3 | 12 16 | 1 30 | 22 43 | 0 30 | 17 39 | 0 39 | 4 37 | 1 22 | 2 57 | 16 8 | 11 47 | 12 19 | 14 31 | 16 12 | 3 31 |
| S 28 | 7 35 | 3s31 | 2 21 | 4 56 | 2 18 | 19 39 | 0 28 | 9 20 | 1 3 | 12 19 | 1 30 | 22 43 | 0 30 | 17 38 | 0 39 | 4 36 | 1 22 | 2 58 | 16 9 | 11 45 | 12 18 | 14 29 | 16 13 | 3 31 |
| S 29 | 7 12 | 7 29 | 1 18 | 5 28 | 2 26 | 19 28 | 0 24 | 9 5 | 1 3 | 12 22 | 1 30 | 22 42 | 0 30 | 17 37 | 0 39 | 4 35 | 1 22 | 2 58 | 16 9 | 11 44 | 12 17 | 14 28 | 16 14 | 3 31 |
| M30 | 6 50 | 11 11 | 0 11 | 5 58 | 2 34 | 19 16 | 0 20 | 8 50 | 1 3 | 12 24 | 1 30 | 22 42 | 0 30 | 17 36 | 0 39 | 4 34 | 1 22 | 2 58 | 16 9 | 11 43 | 12 16 | 14 26 | 16 15 | 3 31 |
| T 31 | 6n27 | 14s25 | 0n59 | 6s28 | 2s42 | 19n 3 | 0s17 | 8n35 | 1n 2 | 12s27 | 1s30 | 22n42 | 0s30 | 17n35 | 0n39 | 4n33 | 1n22 | 2s59 | 16s 9 | 11s44 | 12s15 | 14n25 | 16s16 | 3n31 |

Julian Day Number = 2130350.5, Delta T = 16m39s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'48, Lahiri = 11°35'49 Julian Calendar 1 Aug. 1120 == Greg. Calendar 8 Aug. 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## SEPTEMBER 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 6 10 | 14♍38'14 | 24♏38 | 10♎56 | 5♌17 | 11♍15 | 1°R11 | 9♋47 | 13♌10 | 21♍46 | 1°R56 | 0♏36 | 2♏ 1 | 3♌50 | 27♏30 | W 1 |
| T 2 | 23 10 7 | 15°36'58 | 8♐ 5 | 11°47 | 6°27 | 11°54 | 1♓ 4 | 9°52 | 13°13 | 21°48 | 1♉55 | 0°37 | 1°58 | 3°57 | 27°34 | T 2 |
| F 3 | 23 14 3 | 16°35'43 | 21°52 | 12°35 | 7°37 | 12°32 | 0°56 | 9°57 | 13°17 | 21°50 | 1°55 | 0°R37 | 1°55 | 4° 3 | 27°38 | F 3 |
| S 4 | 23 18 0 | 17°34'30 | 5♑59 | 13°20 | 8°47 | 13°11 | 0°49 | 10° 1 | 13°20 | 21°53 | 1°54 | 0°35 | 1°52 | 4°10 | 27°42 | S 4 |
| S 5 | 23 21 56 | 18°33'19 | 20°25 | 14° 0 | 9°58 | 13°50 | 0°42 | 10° 6 | 13°23 | 21°55 | 1°53 | 0°32 | 1°49 | 4°17 | 27°46 | S 5 |
| M 6 | 23 25 53 | 19°32'10 | 5♒ 7 | 14°37 | 11° 8 | 14°28 | 0°35 | 10°10 | 13°26 | 21°57 | 1°52 | 0°27 | 1°45 | 4°23 | 27°50 | M 6 |
| T 7 | 23 29 49 | 20°31'02 | 19°59 | 15° 8 | 12°19 | 15° 7 | 0°28 | 10°14 | 13°30 | 21°59 | 1°52 | 0°21 | 1°42 | 4°30 | 27°54 | T 7 |
| W 8 | 23 33 46 | 21°29'56 | 4♓53 | 15°35 | 13°30 | 15°46 | 0°21 | 10°18 | 13°33 | 22° 2 | 1°51 | 0°15 | 1°39 | 4°37 | 27°58 | W 8 |
| T 9 | 23 37 43 | 22°28'52 | 19°42 | 15°57 | 14°41 | 16°25 | 0°14 | 10°22 | 13°36 | 22° 4 | 1°50 | 0°10 | 1°36 | 4°44 | 28° 3 | T 9 |
| F 10 | 23 41 39 | 23°27'50 | 4♈16 | 16°13 | 15°52 | 17° 4 | 0° 7 | 10°26 | 13°39 | 22° 6 | 1°49 | 0° 6 | 1°33 | 4°50 | 28° 7 | F 10 |
| S 11 | 23 45 36 | 24°26'50 | 18°29 | 16°23 | 17° 3 | 17°43 | 0° 1 | 10°30 | 13°42 | 22° 8 | 1°48 | 0° 4 | 1°30 | 4°57 | 28°11 | S 11 |
| S 12 | 23 49 32 | 25°25'52 | 2♉17 | 16°R27 | 18°14 | 18°21 | 29♒54 | 10°34 | 13°45 | 22°10 | 1°47 | 0°D 3 | 1°26 | 5° 4 | 28°16 | S 12 |
| M13 | 23 53 29 | 26°24'57 | 15°40 | 16°23 | 19°25 | 19° 0 | 29°48 | 10°38 | 13°48 | 22°13 | 1°47 | 0° 4 | 1°23 | 5°11 | 28°21 | M13 |
| T 14 | 23 57 25 | 27°24'04 | 28°38 | 16°13 | 20°37 | 19°39 | 29°42 | 10°41 | 13°51 | 22°15 | 1°46 | 0° 6 | 1°20 | 5°17 | 28°25 | T 14 |
| W15 | 0 1 22 | 28°23'14 | 11♊14 | 15°54 | 21°48 | 20°18 | 29°36 | 10°45 | 13°54 | 22°17 | 1°45 | 0° 7 | 1°17 | 5°24 | 28°30 | W15 |
| T 16 | 0 5 18 | 29°22'25 | 23°32 | 15°28 | 23° 0 | 20°57 | 29°30 | 10°48 | 13°57 | 22°19 | 1°44 | 0° 9 | 1°14 | 5°31 | 28°35 | T 16 |
| F 17 | 0 9 15 | 0♎21'40 | 5♋37 | 14°54 | 24°12 | 21°36 | 29°24 | 10°52 | 14° 0 | 22°22 | 1°43 | 0°R 9 | 1°10 | 5°37 | 28°40 | F 17 |
| S 18 | 0 13 12 | 1°20'56 | 17°33 | 14°11 | 25°24 | 22°15 | 29°18 | 10°55 | 14° 2 | 22°24 | 1°42 | 0° 7 | 1° 7 | 5°44 | 28°45 | S 18 |
| S 19 | 0 17 8 | 2°20'15 | 29°26 | 13°22 | 26°36 | 22°54 | 29°13 | 10°58 | 14° 5 | 22°26 | 1°41 | 0° 5 | 1° 4 | 5°51 | 28°50 | S 19 |
| M20 | 0 21 5 | 3°19'36 | 11♌18 | 12°25 | 27°48 | 23°33 | 29° 7 | 11° 1 | 14° 8 | 22°28 | 1°40 | 0° 1 | 1° 1 | 5°58 | 28°55 | M20 |
| T 21 | 0 25 1 | 4°18'59 | 23°15 | 11°22 | 29° 0 | 24°12 | 29° 2 | 11° 4 | 14°11 | 22°30 | 1°39 | 29♎57 | 0°58 | 6° 4 | 29° 0 | T 21 |
| W22 | 0 28 58 | 5°18'25 | 5♍19 | 10°15 | 0♍12 | 24°51 | 28°57 | 11° 7 | 14°13 | 22°33 | 1°38 | 29°52 | 0°55 | 6°11 | 29° 6 | W22 |
| T 23 | 0 32 54 | 6°17'52 | 17°32 | 9° 4 | 1°24 | 25°31 | 28°52 | 11° 9 | 14°16 | 22°35 | 1°37 | 29°48 | 0°51 | 6°18 | 29°11 | T 23 |
| F 24 | 0 36 51 | 7°17'22 | 29°56 | 7°51 | 2°37 | 26°10 | 28°48 | 11°12 | 14°19 | 22°37 | 1°36 | 29°45 | 0°48 | 6°24 | 29°16 | F 24 |
| S 25 | 0 40 47 | 8°16'54 | 12♎32 | 6°39 | 3°49 | 26°49 | 28°43 | 11°15 | 14°21 | 22°39 | 1°35 | 29°43 | 0°45 | 6°31 | 29°22 | S 25 |
| S 26 | 0 44 44 | 9°16'28 | 25°21 | 5°29 | 5° 2 | 27°28 | 28°39 | 11°17 | 14°24 | 22°41 | 1°34 | 29°D42 | 0°42 | 6°38 | 29°27 | S 26 |
| M27 | 0 48 40 | 10°16'04 | 8♏22 | 4°24 | 6°15 | 28° 7 | 28°35 | 11°19 | 14°26 | 22°44 | 1°33 | 29°42 | 0°39 | 6°45 | 29°33 | M27 |
| T 28 | 0 52 37 | 11°15'43 | 21°36 | 3°26 | 7°27 | 28°47 | 28°31 | 11°21 | 14°29 | 22°46 | 1°32 | 29°43 | 0°36 | 6°51 | 29°38 | T 28 |
| W29 | 0 56 34 | 12°15'23 | 5♐ 3 | 2°35 | 8°40 | 29°26 | 28°27 | 11°24 | 14°31 | 22°48 | 1°31 | 29°45 | 0°32 | 6°58 | 29°44 | W29 |
| T 30 | 1 0 30 | 13♎15'04 | 18♐42 | 1♎54 | 9♍53 | 0♎ 5 | 28♒24 | 11♋25 | 14♌33 | 22♍50 | 1♉30 | 29♎46 | 0♏29 | 7♌ 5 | 29♏50 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n 5 | 16s58 | 2n 6 | 6s56 | 2s49 | 18n50 | 0s13 | 8n20 | 1n 2 | 12s30 | 1s30 | 22n41 | 0s30 | 17n34 | 0n39 | 4n32 | 1n22 | 2s59 | 16s10 | 11s44 | 12s14 | 14n23 | 16s17 | 3n30 |
| T 2 | 5 42 | 18 39 | 3 9 | 7 23 | 2 56 | 18 36 | 0 9 | 8 5 | 1 2 | 12 32 | 1 30 | 22 41 | 0 30 | 17 33 | 0 39 | 4 31 | 1 22 | 3 0 | 16 10 | 11 44 | 12 13 | 14 21 | 16 18 | 3 30 |
| F 3 | 5 19 | 19 17 | 4 2 | 7 48 | 3 3 | 18 22 | 0 5 | 7 50 | 1 2 | 12 35 | 1 30 | 22 41 | 0 30 | 17 32 | 0 39 | 4 31 | 1 22 | 3 0 | 16 10 | 11 44 | 12 12 | 14 20 | 16 19 | 3 30 |
| S 4 | 4 56 | 18 44 | 4 42 | 8 11 | 3 9 | 18 7 | 0 2 | 7 35 | 1 1 | 12 38 | 1 29 | 22 40 | 0 30 | 17 31 | 0 39 | 4 30 | 1 22 | 3 1 | 16 10 | 11 44 | 12 11 | 14 18 | 16 20 | 3 30 |
| S 5 | 4 33 | 16 58 | 5 5 | 8 33 | 3 15 | 17 52 | 0n 2 | 7 20 | 1 1 | 12 40 | 1 29 | 22 40 | 0 30 | 17 30 | 0 39 | 4 29 | 1 22 | 3 1 | 16 11 | 11 43 | 12 10 | 14 17 | 16 21 | 3 30 |
| M 6 | 4 10 | 14 5 | 5 9 | 8 52 | 3 21 | 17 36 | 0 6 | 7 5 | 1 1 | 12 43 | 1 29 | 22 40 | 0 30 | 17 29 | 0 39 | 4 28 | 1 22 | 3 2 | 16 11 | 11 41 | 12 8 | 14 15 | 16 22 | 3 30 |
| T 7 | 3 46 | 10 16 | 4 52 | 9 9 | 3 26 | 17 20 | 0 9 | 6 49 | 1 1 | 12 45 | 1 29 | 22 40 | 0 30 | 17 29 | 0 39 | 4 27 | 1 22 | 3 2 | 16 11 | 11 39 | 12 7 | 14 14 | 16 23 | 3 30 |
| W 8 | 3 23 | 5 48 | 4 15 | 9 23 | 3 30 | 17 3 | 0 13 | 6 34 | 1 1 | 12 48 | 1 29 | 22 39 | 0 30 | 17 28 | 0 39 | 4 26 | 1 22 | 3 2 | 16 11 | 11 37 | 12 6 | 14 12 | 16 24 | 3 30 |
| T 9 | 3 0 | 1 0 | 3 22 | 9 35 | 3 34 | 16 46 | 0 16 | 6 19 | 1 0 | 12 50 | 1 29 | 22 39 | 0 30 | 17 27 | 0 39 | 4 25 | 1 22 | 3 3 | 16 11 | 11 35 | 12 5 | 14 11 | 16 25 | 3 29 |
| F 10 | 2 36 | 3n47 | 2 16 | 9 44 | 3 37 | 16 28 | 0 19 | 6 3 | 1 0 | 12 52 | 1 29 | 22 39 | 0 30 | 17 26 | 0 39 | 4 24 | 1 22 | 3 3 | 16 12 | 11 34 | 12 4 | 14 9 | 16 26 | 3 29 |
| S 11 | 2 13 | 8 15 | 1 3 | 9 50 | 3 39 | 16 10 | 0 23 | 5 48 | 1 0 | 12 55 | 1 29 | 22 38 | 0 30 | 17 25 | 0 39 | 4 24 | 1 22 | 3 4 | 16 12 | 11 33 | 12 3 | 14 8 | 16 27 | 3 29 |
| S 12 | 1 49 | 12 8 | 0s12 | 9 52 | 3 40 | 15 51 | 0 26 | 5 32 | 1 0 | 12 57 | 1 29 | 22 38 | 0 30 | 17 24 | 0 39 | 4 23 | 1 22 | 3 4 | 16 12 | 11 33 | 12 2 | 14 6 | 16 28 | 3 29 |
| M13 | 1 26 | 15 16 | 1 24 | 9 51 | 3 39 | 15 32 | 0 29 | 5 17 | 0 59 | 12 59 | 1 29 | 22 38 | 0 30 | 17 23 | 0 39 | 4 22 | 1 22 | 3 5 | 16 12 | 11 33 | 12 1 | 14 5 | 16 29 | 3 29 |
| T 14 | 1 2 | 17 31 | 2 30 | 9 45 | 3 38 | 15 12 | 0 32 | 5 1 | 0 59 | 13 1 | 1 29 | 22 38 | 0 30 | 17 23 | 0 39 | 4 21 | 1 22 | 3 5 | 16 12 | 11 34 | 12 0 | 14 3 | 16 30 | 3 29 |
| W15 | 0 39 | 18 50 | 3 26 | 9 35 | 3 35 | 14 52 | 0 36 | 4 45 | 0 59 | 13 3 | 1 29 | 22 37 | 0 29 | 17 22 | 0 39 | 4 20 | 1 22 | 3 6 | 16 12 | 11 34 | 11 58 | 14 2 | 16 32 | 3 29 |
| T 16 | 0 15 | 19 12 | 4 12 | 9 21 | 3 31 | 14 31 | 0 39 | 4 30 | 0 58 | 13 5 | 1 29 | 22 37 | 0 29 | 17 21 | 0 39 | 4 19 | 1 22 | 3 6 | 16 13 | 11 34 | 11 57 | 14 0 | 16 33 | 3 29 |
| F 17 | 0s 9 | 18 41 | 4 45 | 9 2 | 3 25 | 14 10 | 0 42 | 4 14 | 0 58 | 13 7 | 1 29 | 22 37 | 0 29 | 17 20 | 0 39 | 4 18 | 1 22 | 3 7 | 16 13 | 11 34 | 11 56 | 13 59 | 16 34 | 3 29 |
| S 18 | 0 32 | 17 20 | 5 6 | 8 38 | 3 17 | 13 49 | 0 45 | 3 58 | 0 58 | 13 9 | 1 28 | 22 37 | 0 29 | 17 19 | 0 40 | 4 17 | 1 22 | 3 7 | 16 13 | 11 34 | 11 55 | 13 57 | 16 35 | 3 28 |
| S 19 | 0 56 | 15 16 | 5 13 | 8 10 | 3 7 | 13 27 | 0 47 | 3 43 | 0 58 | 13 11 | 1 28 | 22 37 | 0 29 | 17 19 | 0 40 | 4 17 | 1 22 | 3 7 | 16 13 | 11 33 | 11 54 | 13 56 | 16 36 | 3 28 |
| M20 | 1 20 | 12 33 | 5 7 | 7 37 | 2 56 | 13 5 | 0 50 | 3 27 | 0 57 | 13 13 | 1 28 | 22 36 | 0 29 | 17 18 | 0 40 | 4 16 | 1 22 | 3 8 | 16 13 | 11 32 | 11 53 | 13 54 | 16 37 | 3 28 |
| T 21 | 1 43 | 9 18 | 4 48 | 7 0 | 2 42 | 12 42 | 0 53 | 3 11 | 0 57 | 13 14 | 1 28 | 22 36 | 0 29 | 17 17 | 0 40 | 4 15 | 1 22 | 3 8 | 16 13 | 11 30 | 11 52 | 13 52 | 16 39 | 3 28 |
| W22 | 2 7 | 5 39 | 4 16 | 6 19 | 2 27 | 12 19 | 0 56 | 2 55 | 0 57 | 13 16 | 1 28 | 22 36 | 0 29 | 17 16 | 0 40 | 4 14 | 1 22 | 3 9 | 16 13 | 11 29 | 11 51 | 13 51 | 16 40 | 3 28 |
| T 23 | 2 31 | 1 42 | 3 31 | 5 36 | 2 10 | 11 56 | 0 58 | 2 39 | 0 57 | 13 17 | 1 28 | 22 36 | 0 29 | 17 16 | 0 40 | 4 13 | 1 22 | 3 9 | 16 14 | 11 27 | 11 50 | 13 49 | 16 41 | 3 28 |
| F 24 | 2 54 | 2s22 | 2 37 | 4 50 | 1 51 | 11 32 | 1 1 | 2 23 | 0 56 | 13 19 | 1 28 | 22 36 | 0 29 | 17 15 | 0 40 | 4 12 | 1 22 | 3 10 | 16 14 | 11 26 | 11 48 | 13 48 | 16 42 | 3 28 |
| S 25 | 3 18 | 6 24 | 1 33 | 4 3 | 1 32 | 11 8 | 1 3 | 2 8 | 0 56 | 13 20 | 1 28 | 22 35 | 0 29 | 17 14 | 0 40 | 4 11 | 1 22 | 3 10 | 16 14 | 11 26 | 11 47 | 13 46 | 16 44 | 3 28 |
| S 26 | 3 42 | 10 13 | 0 24 | 3 17 | 1 12 | 10 44 | 1 6 | 1 52 | 0 56 | 13 22 | 1 27 | 22 35 | 0 29 | 17 13 | 0 40 | 4 11 | 1 23 | 3 11 | 16 14 | 11 25 | 11 46 | 13 45 | 16 45 | 3 28 |
| M27 | 4 5 | 13 37 | 0n48 | 2 32 | 0 51 | 10 19 | 1 8 | 1 36 | 0 55 | 13 23 | 1 27 | 22 35 | 0 29 | 17 13 | 0 40 | 4 10 | 1 23 | 3 11 | 16 14 | 11 25 | 11 45 | 13 43 | 16 46 | 3 28 |
| T 28 | 4 29 | 16 21 | 1 58 | 1 50 | 0 30 | 9 54 | 1 10 | 1 20 | 0 55 | 13 24 | 1 27 | 22 35 | 0 29 | 17 12 | 0 40 | 4 9 | 1 23 | 3 11 | 16 14 | 11 26 | 11 44 | 13 42 | 16 47 | 3 28 |
| W29 | 4 52 | 18 14 | 3 3 | 1 11 | 0 10 | 9 28 | 1 12 | 1 4 | 0 55 | 13 25 | 1 27 | 22 35 | 0 29 | 17 11 | 0 40 | 4 8 | 1 23 | 3 12 | 16 14 | 11 26 | 11 43 | 13 40 | 16 48 | 3 28 |
| T 30 | 5s15 | 19s 6 | 3n59 | 0s37 | 0n 9 | 9n 3 | 1n14 | 0n48 | 0n54 | 13s27 | 1s27 | 22n35 | 0s29 | 17n11 | 0n40 | 4n 7 | 1n23 | 3s12 | 16s14 | 11s27 | 11s42 | 13n38 | 16s50 | 3n27 |

Julian Day Number = 2130381.5, Delta T = 16m39s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'52, Lahiri = 11°35'53 Julian Calendar 1 Sept. 1120 == Greg. Calendar 8 Sept. 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## OCTOBER 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 4 27 | 14♎14'48 | 2♉34 | 1°R24 | 11♍ 6 | 0♎45 | 28°R20 | 11♋27 | 14♌36 | 22♍52 | 1°R29 | 29♎47 | 0♏26 | 7♌12 | 29♏56 | F 1 |
| S 2 | 1 8 23 | 15°14'33 | 16°37 | 1♎ 5 | 12°19 | 1°24 | 28♒17 | 11°29 | 14°38 | 22°54 | 1♉28 | 29°R47 | 0°23 | 7°18 | 0♐ 1 | S 2 |
| S 3 | 1 12 20 | 16°14'20 | 0♒51 | 0°D57 | 13°32 | 2° 3 | 28°14 | 11°31 | 14°40 | 22°56 | 1°27 | 29°47 | 0°20 | 7°25 | 0° 7 | S 3 |
| M 4 | 1 16 16 | 17°14'09 | 15°12 | 1° 0 | 14°45 | 2°43 | 28°11 | 11°32 | 14°42 | 22°58 | 1°25 | 29°46 | 0°16 | 7°32 | 0°13 | M 4 |
| T 5 | 1 20 13 | 18°13'59 | 29°38 | 1°14 | 15°59 | 3°22 | 28° 9 | 11°34 | 14°45 | 23° 0 | 1°24 | 29°44 | 0°13 | 7°38 | 0°19 | T 5 |
| W 6 | 1 24 9 | 19°13'51 | 14♓ 4 | 1°39 | 17°12 | 4° 1 | 28° 6 | 11°35 | 14°47 | 23° 2 | 1°23 | 29°43 | 0°10 | 7°45 | 0°25 | W 6 |
| T 7 | 1 28 6 | 20°13'45 | 28°26 | 2°13 | 18°25 | 4°41 | 28° 4 | 11°36 | 14°49 | 23° 5 | 1°22 | 29°42 | 0° 7 | 7°52 | 0°31 | T 7 |
| F 8 | 1 32 3 | 21°13'40 | 12♈37 | 2°56 | 19°39 | 5°20 | 28° 2 | 11°37 | 14°51 | 23° 7 | 1°21 | 29°41 | 0° 4 | 7°59 | 0°38 | F 8 |
| S 9 | 1 35 59 | 22°13'38 | 26°33 | 3°46 | 20°52 | 6° 0 | 28° 0 | 11°38 | 14°53 | 23° 9 | 1°20 | 29°D41 | 0° 1 | 8° 5 | 0°44 | S 9 |
| S 10 | 1 39 56 | 23°13'37 | 10♉11 | 4°44 | 22° 6 | 6°39 | 27°59 | 11°39 | 14°55 | 23°11 | 1°19 | 29°41 | 29♎57 | 8°12 | 0°50 | S 10 |
| M11 | 1 43 52 | 24°13'39 | 23°29 | 5°48 | 23°20 | 7°19 | 27°57 | 11°40 | 14°56 | 23°13 | 1°18 | 29°41 | 29°54 | 8°19 | 0°56 | M11 |
| T 12 | 1 47 49 | 25°13'43 | 6♊26 | 6°58 | 24°33 | 7°59 | 27°56 | 11°41 | 14°58 | 23°15 | 1°17 | 29°42 | 29°51 | 8°25 | 1° 3 | T 12 |
| W13 | 1 51 45 | 26°13'48 | 19° 4 | 8°12 | 25°47 | 8°38 | 27°55 | 11°41 | 15° 0 | 23°16 | 1°16 | 29°42 | 29°48 | 8°32 | 1° 9 | W13 |
| T 14 | 1 55 42 | 27°13'56 | 1♋25 | 9°30 | 27° 1 | 9°18 | 27°54 | 11°42 | 15° 2 | 23°18 | 1°14 | 29°43 | 29°45 | 8°39 | 1°15 | T 14 |
| F 15 | 1 59 38 | 28°14'06 | 13°32 | 10°52 | 28°15 | 9°58 | 27°53 | 11°42 | 15° 3 | 23°20 | 1°13 | 29°43 | 29°42 | 8°46 | 1°22 | F 15 |
| S 16 | 2 3 35 | 29°14'18 | 25°30 | 12°17 | 29°29 | 10°37 | 27°53 | 11°42 | 15° 5 | 23°22 | 1°12 | 29°43 | 29°38 | 8°52 | 1°28 | S 16 |
| S 17 | 2 7 32 | 0♏14'32 | 7♌23 | 13°44 | 0♎43 | 11°17 | 27°D53 | 11°R42 | 15° 7 | 23°24 | 1°11 | 29°43 | 29°35 | 8°59 | 1°35 | S 17 |
| M18 | 2 11 28 | 1°14'48 | 19°16 | 15°13 | 1°57 | 11°57 | 27°53 | 11°42 | 15° 8 | 23°26 | 1°10 | 29°43 | 29°32 | 9° 6 | 1°41 | M18 |
| T 19 | 2 15 25 | 2°15'07 | 1♍13 | 16°43 | 3°11 | 12°36 | 27°53 | 11°42 | 15°10 | 23°28 | 1° 9 | 29°43 | 29°29 | 9°13 | 1°48 | T 19 |
| W20 | 2 19 21 | 3°15'27 | 13°20 | 18°15 | 4°25 | 13°16 | 27°54 | 11°42 | 15°11 | 23°30 | 1° 8 | 29°43 | 29°26 | 9°19 | 1°55 | W20 |
| T 21 | 2 23 18 | 4°15'49 | 25°38 | 19°48 | 5°40 | 13°56 | 27°54 | 11°42 | 15°12 | 23°31 | 1° 6 | 29°44 | 29°22 | 9°26 | 2° 1 | T 21 |
| F 22 | 2 27 14 | 5°16'13 | 8♎12 | 21°22 | 6°54 | 14°36 | 27°55 | 11°41 | 15°14 | 23°33 | 1° 5 | 29°44 | 29°19 | 9°33 | 2° 8 | F 22 |
| S 23 | 2 31 11 | 6°16'39 | 21° 3 | 22°56 | 8° 8 | 15°16 | 27°56 | 11°41 | 15°15 | 23°35 | 1° 4 | 29°45 | 29°16 | 9°39 | 2°15 | S 23 |
| S 24 | 2 35 7 | 7°17'06 | 4♏12 | 24°31 | 9°23 | 15°56 | 27°57 | 11°40 | 15°16 | 23°37 | 1° 3 | 29°R45 | 29°13 | 9°46 | 2°21 | S 24 |
| M25 | 2 39 4 | 8°17'36 | 17°38 | 26° 7 | 10°37 | 16°36 | 27°59 | 11°39 | 15°17 | 23°38 | 1° 2 | 29°44 | 29°10 | 9°53 | 2°28 | M25 |
| T 26 | 2 43 1 | 9°18'07 | 1♐19 | 27°42 | 11°51 | 17°16 | 28° 0 | 11°38 | 15°18 | 23°40 | 1° 1 | 29°44 | 29° 7 | 10° 0 | 2°35 | T 26 |
| W27 | 2 46 57 | 10°18'39 | 15°13 | 29°18 | 13° 6 | 17°56 | 28° 2 | 11°37 | 15°19 | 23°42 | 1° 0 | 29°42 | 29° 3 | 10° 6 | 2°42 | W27 |
| T 28 | 2 50 54 | 11°19'13 | 29°16 | 0♏54 | 14°20 | 18°36 | 28° 4 | 11°36 | 15°20 | 23°43 | 0°59 | 29°41 | 29° 0 | 10°13 | 2°49 | T 28 |
| F 29 | 2 54 50 | 12°19'48 | 13♑26 | 2°30 | 15°35 | 19°16 | 28° 7 | 11°35 | 15°21 | 23°45 | 0°58 | 29°39 | 28°57 | 10°20 | 2°56 | F 29 |
| S 30 | 2 58 47 | 13°20'25 | 27°39 | 4° 6 | 16°50 | 19°56 | 28° 9 | 11°33 | 15°22 | 23°47 | 0°56 | 29°38 | 28°54 | 10°26 | 3° 3 | S 30 |
| S 31 | 3 2 43 | 14♏21'03 | 11♒52 | 5♏41 | 18♎ 4 | 20♎36 | 28♒12 | 11♋32 | 15♌23 | 23♍48 | 0♉55 | 29°D38 | 28♎51 | 10♌33 | 3♐10 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 5s39 | 18s50 | 4n41 | 0s 9 | 0n27 | 8n37 | 1n17 | 0n32 | 0n54 | 13s28 | 1s27 | 22n35 | 0s29 | 17n10 | 0n40 | 4n 6 | 1n23 | 3s13 | 16s14 | 11s27 | 11s41 | 13n37 | 16s51 | 3n27 | F 1 |
| S 2 | 6 2 | 17 25 | 5 8 | 0n15 | 0 44 | 8 11 | 1 18 | 0 16 | 0 54 | 13 29 | 1 26 | 22 35 | 0 29 | 17 9 | 0 40 | 4 6 | 1 23 | 3 13 | 16 14 | 11 27 | 11 40 | 13 35 | 16 52 | 3 27 | S 2 |
| S 3 | 6 25 | 14 55 | 5 16 | 0 32 | 1 0 | 7 44 | 1 20 | 0s 0 | 0 53 | 13 29 | 1 26 | 22 34 | 0 29 | 17 9 | 0 40 | 4 5 | 1 23 | 3 14 | 16 15 | 11 27 | 11 38 | 13 34 | 16 54 | 3 27 | S 3 |
| M 4 | 6 48 | 11 30 | 5 5 | 0 43 | 1 14 | 7 18 | 1 22 | 0 16 | 0 53 | 13 30 | 1 26 | 22 34 | 0 29 | 17 8 | 0 40 | 4 4 | 1 23 | 3 14 | 16 15 | 11 26 | 11 37 | 13 32 | 16 55 | 3 27 | M 4 |
| T 5 | 7 11 | 7 22 | 4 34 | 0 49 | 1 26 | 6 51 | 1 24 | 0 32 | 0 53 | 13 31 | 1 26 | 22 34 | 0 29 | 17 8 | 0 40 | 4 3 | 1 23 | 3 14 | 16 15 | 11 26 | 11 36 | 13 31 | 16 56 | 3 27 | T 5 |
| W 6 | 7 34 | 2 49 | 3 47 | 0 49 | 1 36 | 6 23 | 1 25 | 0 48 | 0 53 | 13 32 | 1 26 | 22 34 | 0 29 | 17 7 | 0 40 | 4 2 | 1 23 | 3 15 | 16 15 | 11 25 | 11 35 | 13 29 | 16 57 | 3 27 | W 6 |
| T 7 | 7 56 | 1n53 | 2 45 | 0 43 | 1 45 | 5 56 | 1 27 | 1 4 | 0 52 | 13 32 | 1 25 | 22 34 | 0 28 | 17 6 | 0 40 | 4 2 | 1 23 | 3 15 | 16 15 | 11 25 | 11 34 | 13 27 | 16 59 | 3 27 | T 7 |
| F 8 | 8 19 | 6 26 | 1 33 | 0 33 | 1 53 | 5 28 | 1 28 | 1 20 | 0 52 | 13 33 | 1 25 | 22 34 | 0 28 | 17 6 | 0 40 | 4 1 | 1 23 | 3 16 | 16 15 | 11 25 | 11 33 | 13 26 | 17 0 | 3 27 | F 8 |
| S 9 | 8 42 | 10 33 | 0 17 | 0 18 | 1 58 | 5 1 | 1 30 | 1 36 | 0 52 | 13 33 | 1 25 | 22 34 | 0 28 | 17 5 | 0 40 | 4 0 | 1 23 | 3 16 | 16 15 | 11 25 | 11 32 | 13 24 | 17 1 | 3 27 | S 9 |
| S 10 | 9 4 | 14 1 | 0s58 | 0s 1 | 2 3 | 4 33 | 1 31 | 1 52 | 0 51 | 13 34 | 1 25 | 22 34 | 0 28 | 17 5 | 0 40 | 3 59 | 1 23 | 3 16 | 16 15 | 11 25 | 11 31 | 13 23 | 17 3 | 3 27 | S 10 |
| M11 | 9 26 | 16 40 | 2 8 | 0 23 | 2 6 | 4 4 | 1 32 | 2 8 | 0 51 | 13 34 | 1 25 | 22 34 | 0 28 | 17 4 | 0 40 | 3 59 | 1 23 | 3 17 | 16 15 | 11 25 | 11 29 | 13 21 | 17 4 | 3 27 | M11 |
| T 12 | 9 48 | 18 22 | 3 10 | 0 49 | 2 8 | 3 36 | 1 34 | 2 24 | 0 50 | 13 34 | 1 25 | 22 34 | 0 28 | 17 4 | 0 40 | 3 58 | 1 23 | 3 17 | 16 15 | 11 25 | 11 28 | 13 20 | 17 5 | 3 27 | T 12 |
| W13 | 10 10 | 19 6 | 4 1 | 1 17 | 2 9 | 3 8 | 1 35 | 2 40 | 0 50 | 13 34 | 1 24 | 22 34 | 0 28 | 17 3 | 0 40 | 3 57 | 1 23 | 3 18 | 16 15 | 11 25 | 11 27 | 13 18 | 17 6 | 3 27 | W13 |
| T 14 | 10 32 | 18 53 | 4 40 | 1 48 | 2 9 | 2 39 | 1 36 | 2 56 | 0 50 | 13 34 | 1 24 | 22 34 | 0 28 | 17 3 | 0 40 | 3 56 | 1 23 | 3 18 | 16 15 | 11 25 | 11 26 | 13 16 | 17 8 | 3 27 | T 14 |
| F 15 | 10 54 | 17 48 | 5 5 | 2 21 | 2 9 | 2 10 | 1 37 | 3 12 | 0 49 | 13 34 | 1 24 | 22 34 | 0 28 | 17 2 | 0 40 | 3 56 | 1 23 | 3 18 | 16 15 | 11 25 | 11 25 | 13 15 | 17 9 | 3 27 | F 15 |
| S 16 | 11 15 | 15 57 | 5 16 | 2 56 | 2 7 | 1 42 | 1 37 | 3 28 | 0 49 | 13 34 | 1 24 | 22 34 | 0 28 | 17 2 | 0 41 | 3 55 | 1 23 | 3 19 | 16 15 | 11 25 | 11 24 | 13 13 | 17 10 | 3 27 | S 16 |
| S 17 | 11 37 | 13 26 | 5 14 | 3 32 | 2 5 | 1 13 | 1 38 | 3 44 | 0 49 | 13 34 | 1 23 | 22 34 | 0 28 | 17 2 | 0 41 | 3 54 | 1 23 | 3 19 | 16 15 | 11 25 | 11 23 | 13 12 | 17 12 | 3 27 | S 17 |
| M18 | 11 58 | 10 23 | 4 59 | 4 9 | 2 2 | 0 44 | 1 39 | 4 0 | 0 48 | 13 34 | 1 23 | 22 34 | 0 28 | 17 1 | 0 41 | 3 53 | 1 23 | 3 19 | 16 15 | 11 25 | 11 22 | 13 10 | 17 13 | 3 27 | M18 |
| T 19 | 12 19 | 6 52 | 4 31 | 4 47 | 1 58 | 0 15 | 1 39 | 4 16 | 0 48 | 13 34 | 1 23 | 22 34 | 0 28 | 17 1 | 0 41 | 3 53 | 1 23 | 3 20 | 16 15 | 11 25 | 11 20 | 13 8 | 17 14 | 3 27 | T 19 |
| W20 | 12 39 | 3 3 | 3 50 | 5 26 | 1 54 | 0s14 | 1 40 | 4 32 | 0 48 | 13 33 | 1 23 | 22 34 | 0 28 | 17 0 | 0 41 | 3 52 | 1 23 | 3 20 | 16 15 | 11 26 | 11 19 | 13 7 | 17 15 | 3 27 | W20 |
| T 21 | 13 0 | 0s59 | 2 58 | 6 5 | 1 50 | 0 43 | 1 40 | 4 48 | 0 47 | 13 33 | 1 23 | 22 34 | 0 28 | 17 0 | 0 41 | 3 51 | 1 23 | 3 20 | 16 15 | 11 26 | 11 18 | 13 5 | 17 17 | 3 27 | T 21 |
| F 22 | 13 20 | 5 3 | 1 57 | 6 45 | 1 45 | 1 13 | 1 41 | 5 4 | 0 47 | 13 32 | 1 22 | 22 34 | 0 28 | 17 0 | 0 41 | 3 51 | 1 23 | 3 21 | 16 15 | 11 26 | 11 17 | 13 4 | 17 18 | 3 27 | F 22 |
| S 23 | 13 41 | 9 0 | 0 48 | 7 25 | 1 39 | 1 42 | 1 41 | 5 19 | 0 46 | 13 32 | 1 22 | 22 35 | 0 28 | 16 59 | 0 41 | 3 50 | 1 23 | 3 21 | 16 15 | 11 26 | 11 16 | 13 2 | 17 19 | 3 27 | S 23 |
| S 24 | 14 0 | 12 36 | 0n25 | 8 5 | 1 34 | 2 11 | 1 41 | 5 35 | 0 46 | 13 31 | 1 22 | 22 35 | 0 28 | 16 59 | 0 41 | 3 49 | 1 23 | 3 21 | 16 15 | 11 26 | 11 15 | 13 0 | 17 21 | 3 27 | S 24 |
| M25 | 14 20 | 15 37 | 1 38 | 8 45 | 1 28 | 2 40 | 1 41 | 5 51 | 0 46 | 13 31 | 1 22 | 22 35 | 0 28 | 16 59 | 0 41 | 3 49 | 1 23 | 3 22 | 16 15 | 11 26 | 11 14 | 12 59 | 17 22 | 3 27 | M25 |
| T 26 | 14 40 | 17 49 | 2 46 | 9 26 | 1 22 | 3 9 | 1 41 | 6 7 | 0 45 | 13 30 | 1 22 | 22 35 | 0 28 | 16 58 | 0 41 | 3 48 | 1 23 | 3 22 | 16 15 | 11 26 | 11 13 | 12 57 | 17 23 | 3 27 | T 26 |
| W27 | 14 59 | 18 59 | 3 46 | 10 5 | 1 16 | 3 39 | 1 41 | 6 22 | 0 45 | 13 29 | 1 21 | 22 35 | 0 27 | 16 58 | 0 41 | 3 47 | 1 23 | 3 22 | 16 14 | 11 25 | 11 11 | 12 56 | 17 24 | 3 27 | W27 |
| T 28 | 15 18 | 19 0 | 4 33 | 10 45 | 1 10 | 4 8 | 1 41 | 6 38 | 0 44 | 13 28 | 1 21 | 22 35 | 0 27 | 16 58 | 0 41 | 3 47 | 1 24 | 3 23 | 16 14 | 11 25 | 11 10 | 12 54 | 17 26 | 3 27 | T 28 |
| F 29 | 15 37 | 17 50 | 5 4 | 11 24 | 1 3 | 4 37 | 1 41 | 6 54 | 0 44 | 13 27 | 1 21 | 22 35 | 0 27 | 16 58 | 0 41 | 3 46 | 1 24 | 3 23 | 16 14 | 11 24 | 11 9 | 12 52 | 17 27 | 3 27 | F 29 |
| S 30 | 15 55 | 15 34 | 5 16 | 12 3 | 0 57 | 5 6 | 1 41 | 7 9 | 0 44 | 13 26 | 1 21 | 22 36 | 0 27 | 16 57 | 0 41 | 3 46 | 1 24 | 3 23 | 16 14 | 11 24 | 11 8 | 12 51 | 17 28 | 3 28 | S 30 |
| S 31 | 16s13 | 12s22 | 5n 9 | 12s41 | 0n50 | 5s35 | 1n40 | 7s25 | 0n43 | 13s25 | 1s20 | 22n36 | 0s27 | 16n57 | 0n41 | 3n45 | 1n24 | 3s23 | 16s14 | 11s24 | 11s 7 | 12n49 | 17s29 | 3n28 | S 31 |

Julian Day Number = 2130411.5, Delta T = 16m39s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°28'56, Lahiri = 11°35'57 Julian Calendar 1 Oct. 1120 == Greg. Calendar 8 Oct. 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## NOVEMBER 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 6 40 | 15♏21'41 | 26♒ 2 | 7♏17 | 19♎19 | 21♎16 | 28♒15 | 11°R30 | 15♌24 | 23♍50 | 0°R54 | 29♎38 | 28♎47 | 10♌40 | 3♐17 | M 1 |
| T 2 | 3 10 36 | 16°22'21 | 10♓ 8 | 8°53 | 20°34 | 21°56 | 28°18 | 11♋29 | 15°24 | 23°51 | 0♉53 | 29°39 | 28°44 | 10°47 | 3°24 | T 2 |
| W 3 | 3 14 33 | 17°23'02 | 24° 8 | 10°28 | 21°48 | 22°36 | 28°21 | 11°27 | 15°25 | 23°53 | 0°52 | 29°40 | 28°41 | 10°53 | 3°31 | W 3 |
| T 4 | 3 18 30 | 18°23'44 | 8♈ 0 | 12° 3 | 23° 3 | 23°16 | 28°24 | 11°25 | 15°26 | 23°54 | 0°51 | 29°42 | 28°38 | 11° 0 | 3°38 | T 4 |
| F 5 | 3 22 26 | 19°24'28 | 21°42 | 13°39 | 24°18 | 23°57 | 28°28 | 11°23 | 15°26 | 23°56 | 0°50 | 29°43 | 28°35 | 11° 7 | 3°45 | F 5 |
| S 6 | 3 26 23 | 20°25'13 | 5♉12 | 15°14 | 25°33 | 24°37 | 28°32 | 11°21 | 15°27 | 23°57 | 0°49 | 29°R43 | 28°32 | 11°14 | 3°52 | S 6 |
| S 7 | 3 30 19 | 21°25'58 | 18°30 | 16°49 | 26°48 | 25°17 | 28°36 | 11°19 | 15°27 | 23°59 | 0°48 | 29°42 | 28°28 | 11°20 | 3°59 | S 7 |
| M 8 | 3 34 16 | 22°26'46 | 1♊33 | 18°23 | 28° 2 | 25°58 | 28°40 | 11°16 | 15°27 | 24° 0 | 0°47 | 29°39 | 28°25 | 11°27 | 4° 6 | M 8 |
| T 9 | 3 38 12 | 23°27'34 | 14°21 | 19°58 | 29°17 | 26°38 | 28°45 | 11°14 | 15°28 | 24° 1 | 0°46 | 29°36 | 28°22 | 11°34 | 4°13 | T 9 |
| W10 | 3 42 9 | 24°28'24 | 26°54 | 21°33 | 0♏32 | 27°18 | 28°49 | 11°11 | 15°28 | 24° 3 | 0°45 | 29°32 | 28°19 | 11°40 | 4°20 | W10 |
| T 11 | 3 46 5 | 25°29'15 | 9♋13 | 23° 7 | 1°47 | 27°59 | 28°54 | 11° 9 | 15°28 | 24° 4 | 0°44 | 29°27 | 28°16 | 11°47 | 4°27 | T 11 |
| F 12 | 3 50 2 | 26°30'08 | 21°20 | 24°42 | 3° 2 | 28°39 | 28°59 | 11° 6 | 15°28 | 24° 5 | 0°43 | 29°23 | 28°13 | 11°54 | 4°34 | F 12 |
| S 13 | 3 53 59 | 27°31'02 | 3♌18 | 26°16 | 4°17 | 29°19 | 29° 4 | 11° 3 | 15°29 | 24° 6 | 0°42 | 29°20 | 28° 9 | 12° 1 | 4°41 | S 13 |
| S 14 | 3 57 55 | 28°31'57 | 15°11 | 27°50 | 5°32 | 29°59 | 29° 9 | 11° 0 | 15°R29 | 24° 8 | 0°41 | 29°17 | 28° 6 | 12° 7 | 4°49 | S 14 |
| M15 | 4 1 52 | 29°32'53 | 27° 3 | 29°25 | 6°47 | 0♏40 | 29°15 | 10°57 | 15°29 | 24° 9 | 0°40 | 29°D16 | 28° 3 | 12°14 | 4°56 | M15 |
| T 16 | 4 5 48 | 0♐33'51 | 8♍59 | 0♐59 | 8° 2 | 1°21 | 29°20 | 10°54 | 15°28 | 24°10 | 0°39 | 29°17 | 28° 0 | 12°21 | 5° 3 | T 16 |
| W17 | 4 9 45 | 1°34'50 | 21° 4 | 2°33 | 9°18 | 2° 2 | 29°26 | 10°51 | 15°28 | 24°11 | 0°38 | 29°18 | 27°57 | 12°27 | 5°10 | W17 |
| T 18 | 4 13 41 | 2°35'51 | 3♎22 | 4° 7 | 10°33 | 2°42 | 29°32 | 10°48 | 15°28 | 24°12 | 0°37 | 29°20 | 27°53 | 12°34 | 5°17 | T 18 |
| F 19 | 4 17 38 | 3°36'52 | 15°59 | 5°42 | 11°48 | 3°23 | 29°39 | 10°44 | 15°28 | 24°13 | 0°36 | 29°21 | 27°50 | 12°41 | 5°24 | F 19 |
| S 20 | 4 21 34 | 4°37'55 | 28°57 | 7°16 | 13° 3 | 4° 3 | 29°45 | 10°41 | 15°28 | 24°14 | 0°35 | 29°R22 | 27°47 | 12°48 | 5°32 | S 20 |
| S 21 | 4 25 31 | 5°38'58 | 12♏19 | 8°50 | 14°18 | 4°44 | 29°51 | 10°37 | 15°27 | 24°15 | 0°34 | 29°21 | 27°44 | 12°54 | 5°39 | S 21 |
| M22 | 4 29 28 | 6°40'03 | 26° 4 | 10°25 | 15°33 | 5°25 | 29°58 | 10°34 | 15°27 | 24°16 | 0°33 | 29°19 | 27°41 | 13° 1 | 5°46 | M22 |
| T 23 | 4 33 24 | 7°41'08 | 10♐10 | 11°59 | 16°49 | 6° 6 | 0♓ 5 | 10°30 | 15°26 | 24°17 | 0°32 | 29°14 | 27°38 | 13° 8 | 5°53 | T 23 |
| W24 | 4 37 21 | 8°42'15 | 24°34 | 13°34 | 18° 4 | 6°46 | 0°12 | 10°26 | 15°26 | 24°18 | 0°32 | 29° 8 | 27°34 | 13°14 | 6° 0 | W24 |
| T 25 | 4 41 17 | 9°43'22 | 9♑ 8 | 15° 9 | 19°19 | 7°27 | 0°19 | 10°22 | 15°25 | 24°19 | 0°31 | 29° 2 | 27°31 | 13°21 | 6° 7 | T 25 |
| F 26 | 4 45 14 | 10°44'29 | 23°46 | 16°44 | 20°34 | 8° 8 | 0°27 | 10°18 | 15°25 | 24°20 | 0°30 | 28°55 | 27°28 | 13°28 | 6°15 | F 26 |
| S 27 | 4 49 10 | 11°45'37 | 8♒20 | 18°19 | 21°49 | 8°49 | 0°34 | 10°14 | 15°24 | 24°21 | 0°29 | 28°50 | 27°25 | 13°35 | 6°22 | S 27 |
| S 28 | 4 53 7 | 12°46'45 | 22°46 | 19°54 | 23° 5 | 9°30 | 0°42 | 10°10 | 15°23 | 24°21 | 0°28 | 28°46 | 27°22 | 13°41 | 6°29 | S 28 |
| M29 | 4 57 3 | 13°47'53 | 6♓59 | 21°29 | 24°20 | 10°11 | 0°50 | 10° 6 | 15°22 | 24°22 | 0°27 | 28°44 | 27°19 | 13°48 | 6°36 | M29 |
| T 30 | 5 1 0 | 14♐49'02 | 20♓59 | 23♐ 4 | 25♏35 | 10♏52 | 0♓58 | 10♋ 2 | 15♌22 | 24♍23 | 0♉27 | 28°D44 | 27♎15 | 13♌55 | 6♐43 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s31 | 8s27 | 4n43 | 13s19 | 0n43 | 6s 3 | 1n40 | 7s40 | 0n43 | 13s24 | 1s20 | 22n36 | 0s27 | 16n57 | 0n41 | 3n44 | 1n24 | 3s24 | 16s14 | 11s24 | 11s 6 | 12n48 | 17s31 | 3n28 |
| T 2 | 16 49 | 4 5 | 4 1 | 13 57 | 0 37 | 6 32 | 1 39 | 7 56 | 0 42 | 13 22 | 1 20 | 22 36 | 0 27 | 16 57 | 0 41 | 3 44 | 1 24 | 3 24 | 16 14 | 11 24 | 11 5 | 12 46 | 17 32 | 3 28 |
| W 3 | 17 6 | 0n28 | 3 4 | 14 33 | 0 30 | 7 1 | 1 39 | 8 11 | 0 42 | 13 21 | 1 20 | 22 36 | 0 27 | 16 57 | 0 41 | 3 43 | 1 24 | 3 24 | 16 14 | 11 24 | 11 3 | 12 44 | 17 33 | 3 28 |
| T 4 | 17 23 | 4 59 | 1 57 | 15 9 | 0 23 | 7 29 | 1 38 | 8 26 | 0 42 | 13 20 | 1 20 | 22 37 | 0 27 | 16 57 | 0 41 | 3 43 | 1 24 | 3 24 | 16 14 | 11 25 | 11 2 | 12 43 | 17 34 | 3 28 |
| F 5 | 17 40 | 9 11 | 0 44 | 15 45 | 0 16 | 7 57 | 1 37 | 8 42 | 0 41 | 13 18 | 1 19 | 22 37 | 0 27 | 16 56 | 0 41 | 3 42 | 1 24 | 3 25 | 16 14 | 11 25 | 11 1 | 12 41 | 17 36 | 3 28 |
| S 6 | 17 56 | 12 51 | 0s30 | 16 20 | 0 10 | 8 25 | 1 37 | 8 57 | 0 41 | 13 17 | 1 19 | 22 37 | 0 27 | 16 56 | 0 41 | 3 42 | 1 24 | 3 25 | 16 13 | 11 25 | 11 0 | 12 40 | 17 37 | 3 28 |
| S 7 | 18 12 | 15 47 | 1 42 | 16 54 | 0 3 | 8 53 | 1 36 | 9 12 | 0 40 | 13 15 | 1 19 | 22 37 | 0 27 | 16 56 | 0 41 | 3 41 | 1 24 | 3 25 | 16 13 | 11 25 | 10 59 | 12 38 | 17 38 | 3 28 |
| M 8 | 18 28 | 17 51 | 2 46 | 17 27 | 0s 4 | 9 21 | 1 35 | 9 27 | 0 40 | 13 13 | 1 19 | 22 38 | 0 27 | 16 56 | 0 41 | 3 41 | 1 24 | 3 25 | 16 13 | 11 24 | 10 58 | 12 36 | 17 39 | 3 28 |
| T 9 | 18 43 | 18 58 | 3 41 | 17 59 | 0 11 | 9 49 | 1 34 | 9 42 | 0 39 | 13 12 | 1 19 | 22 38 | 0 27 | 16 56 | 0 42 | 3 40 | 1 24 | 3 26 | 16 13 | 11 23 | 10 57 | 12 35 | 17 40 | 3 28 |
| W10 | 18 59 | 19 7 | 4 24 | 18 31 | 0 17 | 10 16 | 1 33 | 9 57 | 0 39 | 13 10 | 1 18 | 22 38 | 0 27 | 16 56 | 0 42 | 3 40 | 1 24 | 3 26 | 16 13 | 11 21 | 10 55 | 12 33 | 17 42 | 3 29 |
| T 11 | 19 13 | 18 20 | 4 54 | 19 1 | 0 24 | 10 43 | 1 32 | 10 12 | 0 38 | 13 8 | 1 18 | 22 38 | 0 27 | 16 56 | 0 42 | 3 39 | 1 24 | 3 26 | 16 13 | 11 20 | 10 54 | 12 31 | 17 43 | 3 29 |
| F 12 | 19 28 | 16 45 | 5 10 | 19 31 | 0 30 | 11 10 | 1 31 | 10 27 | 0 38 | 13 6 | 1 18 | 22 39 | 0 27 | 16 56 | 0 42 | 3 39 | 1 24 | 3 26 | 16 12 | 11 18 | 10 53 | 12 30 | 17 44 | 3 29 |
| S 13 | 19 42 | 14 26 | 5 12 | 20 0 | 0 37 | 11 37 | 1 29 | 10 42 | 0 38 | 13 4 | 1 18 | 22 39 | 0 26 | 16 56 | 0 42 | 3 38 | 1 24 | 3 26 | 16 12 | 11 17 | 10 52 | 12 28 | 17 45 | 3 29 |
| S 14 | 19 56 | 11 33 | 5 1 | 20 28 | 0 43 | 12 3 | 1 28 | 10 57 | 0 37 | 13 2 | 1 18 | 22 39 | 0 26 | 16 56 | 0 42 | 3 38 | 1 24 | 3 26 | 16 12 | 11 16 | 10 51 | 12 27 | 17 46 | 3 29 |
| M15 | 20 9 | 8 12 | 4 37 | 20 55 | 0 49 | 12 29 | 1 27 | 11 11 | 0 37 | 13 0 | 1 17 | 22 40 | 0 26 | 16 56 | 0 42 | 3 38 | 1 24 | 3 27 | 16 12 | 11 16 | 10 50 | 12 25 | 17 47 | 3 29 |
| T 16 | 20 22 | 4 31 | 4 1 | 21 21 | 0 55 | 12 55 | 1 25 | 11 26 | 0 36 | 12 58 | 1 17 | 22 40 | 0 26 | 16 56 | 0 42 | 3 37 | 1 24 | 3 27 | 16 12 | 11 16 | 10 49 | 12 23 | 17 48 | 3 29 |
| W17 | 20 34 | 0 35 | 3 14 | 21 46 | 1 1 | 13 20 | 1 24 | 11 41 | 0 36 | 12 55 | 1 17 | 22 40 | 0 26 | 16 56 | 0 42 | 3 37 | 1 24 | 3 27 | 16 12 | 11 17 | 10 48 | 12 22 | 17 50 | 3 29 |
| T 18 | 20 47 | 3s27 | 2 17 | 22 10 | 1 7 | 13 45 | 1 22 | 11 55 | 0 35 | 12 53 | 1 17 | 22 41 | 0 26 | 16 56 | 0 42 | 3 36 | 1 25 | 3 27 | 16 11 | 11 17 | 10 46 | 12 20 | 17 51 | 3 30 |
| F 19 | 20 58 | 7 26 | 1 12 | 22 32 | 1 12 | 14 10 | 1 21 | 12 9 | 0 35 | 12 51 | 1 17 | 22 41 | 0 26 | 16 57 | 0 42 | 3 36 | 1 25 | 3 27 | 16 11 | 11 18 | 10 45 | 12 18 | 17 52 | 3 30 |
| S 20 | 21 10 | 11 11 | 0 2 | 22 54 | 1 17 | 14 35 | 1 19 | 12 24 | 0 34 | 12 48 | 1 16 | 22 41 | 0 26 | 16 57 | 0 42 | 3 36 | 1 25 | 3 27 | 16 11 | 11 18 | 10 44 | 12 17 | 17 53 | 3 30 |
| S 21 | 21 21 | 14 30 | 1n10 | 23 14 | 1 23 | 14 59 | 1 17 | 12 38 | 0 34 | 12 46 | 1 16 | 22 42 | 0 26 | 16 57 | 0 42 | 3 35 | 1 25 | 3 27 | 16 11 | 11 18 | 10 43 | 12 15 | 17 54 | 3 30 |
| M22 | 21 31 | 17 5 | 2 20 | 23 34 | 1 28 | 15 22 | 1 15 | 12 52 | 0 33 | 12 43 | 1 16 | 22 42 | 0 26 | 16 57 | 0 42 | 3 35 | 1 25 | 3 27 | 16 11 | 11 17 | 10 42 | 12 13 | 17 55 | 3 30 |
| T 23 | 21 42 | 18 43 | 3 23 | 23 52 | 1 33 | 15 46 | 1 14 | 13 6 | 0 33 | 12 40 | 1 16 | 22 42 | 0 26 | 16 57 | 0 42 | 3 35 | 1 25 | 3 28 | 16 10 | 11 15 | 10 41 | 12 12 | 17 56 | 3 30 |
| W24 | 21 51 | 19 11 | 4 15 | 24 9 | 1 37 | 16 9 | 1 12 | 13 20 | 0 32 | 12 38 | 1 16 | 22 43 | 0 26 | 16 57 | 0 42 | 3 34 | 1 25 | 3 28 | 16 10 | 11 13 | 10 39 | 12 10 | 17 57 | 3 31 |
| T 25 | 22 1 | 18 24 | 4 51 | 24 24 | 1 42 | 16 31 | 1 10 | 13 34 | 0 32 | 12 35 | 1 15 | 22 43 | 0 26 | 16 58 | 0 42 | 3 34 | 1 25 | 3 28 | 16 10 | 11 11 | 10 38 | 12 9 | 17 58 | 3 31 |
| F 26 | 22 10 | 16 24 | 5 8 | 24 38 | 1 46 | 16 53 | 1 8 | 13 48 | 0 31 | 12 32 | 1 15 | 22 44 | 0 25 | 16 58 | 0 42 | 3 34 | 1 25 | 3 28 | 16 10 | 11 8 | 10 37 | 12 7 | 17 59 | 3 31 |
| S 27 | 22 18 | 13 21 | 5 5 | 24 51 | 1 50 | 17 15 | 1 6 | 14 1 | 0 31 | 12 29 | 1 15 | 22 44 | 0 25 | 16 58 | 0 42 | 3 33 | 1 25 | 3 28 | 16 9 | 11 7 | 10 36 | 12 5 | 18 0 | 3 31 |
| S 28 | 22 26 | 9 32 | 4 43 | 25 3 | 1 53 | 17 36 | 1 4 | 14 15 | 0 30 | 12 27 | 1 15 | 22 44 | 0 25 | 16 58 | 0 42 | 3 33 | 1 25 | 3 28 | 16 9 | 11 5 | 10 35 | 12 4 | 18 1 | 3 31 |
| M29 | 22 34 | 5 13 | 4 3 | 25 13 | 1 57 | 17 57 | 1 2 | 14 28 | 0 30 | 12 24 | 1 15 | 22 45 | 0 25 | 16 59 | 0 42 | 3 33 | 1 25 | 3 28 | 16 9 | 11 5 | 10 34 | 12 2 | 18 2 | 3 32 |
| T 30 | 22s41 | 0s41 | 3n10 | 25s22 | 2s 0 | 18s17 | 1n 0 | 14s42 | 0n29 | 12s21 | 1s14 | 22n45 | 0s25 | 16n59 | 0n42 | 3n33 | 1n25 | 3s28 | 16s 9 | 11s 5 | 10s33 | 12n 0 | 18s 3 | 3n32 |

Julian Day Number = 2130442.5, Delta T = 16m38s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'01, Lahiri = 11°36'01 Julian Calendar 1 Nov. 1120 == Greg. Calendar 8 Nov. 1120


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# ASTRODIENST EPHEMERIS for the year 1120
# geocentric

## DECEMBER 1120 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 4 57 | 15♐50'11 | 4♈43 | 24♐40 | 26♏50 | 11♏32 | 1♓ 6 | 9°R58 | 15°R21 | 24♍23 | 0°R26 | 28♎45 | 27♎12 | 14♌ 2 | 6♐50 | W 1 |
| T 2 | 5 8 53 | 16°51'19 | 18°14 | 26°15 | 28° 6 | 12°13 | 1°14 | 9♋54 | 15♌20 | 24°24 | 0♉25 | 28°46 | 27° 9 | 14° 8 | 6°57 | T 2 |
| F 3 | 5 12 50 | 17°52'29 | 1♉31 | 27°51 | 29°21 | 12°54 | 1°22 | 9°49 | 15°19 | 24°25 | 0°24 | 28°R47 | 27° 6 | 14°15 | 7° 4 | F 3 |
| S 4 | 5 16 46 | 18°53'38 | 14°36 | 29°26 | 0♐36 | 13°35 | 1°31 | 9°45 | 15°18 | 24°25 | 0°24 | 28°45 | 27° 3 | 14°22 | 7°11 | S 4 |
| S 5 | 5 20 43 | 19°54'47 | 27°31 | 1♉ 2 | 1°52 | 14°17 | 1°40 | 9°40 | 15°17 | 24°26 | 0°23 | 28°42 | 26°59 | 14°28 | 7°18 | S 5 |
| M 6 | 5 24 39 | 20°55'57 | 10♊14 | 2°37 | 3° 7 | 14°58 | 1°49 | 9°36 | 15°15 | 24°26 | 0°22 | 28°36 | 26°56 | 14°35 | 7°25 | M 6 |
| T 7 | 5 28 36 | 21°57'07 | 22°47 | 4°13 | 4°22 | 15°39 | 1°58 | 9°31 | 15°14 | 24°27 | 0°22 | 28°27 | 26°53 | 14°42 | 7°32 | T 7 |
| W 8 | 5 32 32 | 22°58'17 | 5♋ 9 | 5°48 | 5°38 | 16°20 | 2° 7 | 9°27 | 15°13 | 24°27 | 0°21 | 28°17 | 26°50 | 14°49 | 7°39 | W 8 |
| T 9 | 5 36 29 | 23°59'28 | 17°22 | 7°23 | 6°53 | 17° 1 | 2°16 | 9°22 | 15°12 | 24°27 | 0°21 | 28° 5 | 26°47 | 14°55 | 7°46 | T 9 |
| F 10 | 5 40 26 | 25° 0'38 | 29°25 | 8°58 | 8° 8 | 17°42 | 2°25 | 9°17 | 15°10 | 24°28 | 0°20 | 27°54 | 26°44 | 15° 2 | 7°53 | F 10 |
| S 11 | 5 44 22 | 26° 1'49 | 11♌21 | 10°32 | 9°23 | 18°23 | 2°35 | 9°12 | 15° 9 | 24°28 | 0°19 | 27°45 | 26°40 | 15° 9 | 8° 0 | S 11 |
| S 12 | 5 48 19 | 27° 3'00 | 23°12 | 12° 5 | 10°39 | 19° 5 | 2°44 | 9° 8 | 15° 7 | 24°28 | 0°19 | 27°37 | 26°37 | 15°15 | 8° 7 | S 12 |
| M13 | 5 52 15 | 28° 4'11 | 5♍ 3 | 13°38 | 11°54 | 19°46 | 2°54 | 9° 3 | 15° 6 | 24°29 | 0°18 | 27°31 | 26°34 | 15°22 | 8°14 | M13 |
| T 14 | 5 56 12 | 29° 5'23 | 16°56 | 15°10 | 13° 9 | 20°27 | 3° 4 | 8°58 | 15° 4 | 24°29 | 0°18 | 27°28 | 26°31 | 15°29 | 8°21 | T 14 |
| W15 | 6 0 8 | 0♎ 6'35 | 28°57 | 16°41 | 14°25 | 21° 9 | 3°14 | 8°53 | 15° 3 | 24°29 | 0°17 | 27°D27 | 26°28 | 15°36 | 8°28 | W15 |
| T 16 | 6 4 5 | 1° 7'47 | 11♎11 | 18°10 | 15°40 | 21°50 | 3°24 | 8°48 | 15° 1 | 24°29 | 0°17 | 27°28 | 26°25 | 15°42 | 8°34 | T 16 |
| F 17 | 6 8 1 | 2° 8'59 | 23°44 | 19°37 | 16°55 | 22°32 | 3°34 | 8°43 | 15° 0 | 24°29 | 0°16 | 27°R28 | 26°21 | 15°49 | 8°41 | F 17 |
| S 18 | 6 11 58 | 3°10'11 | 6♏40 | 21° 2 | 18°11 | 23°13 | 3°45 | 8°38 | 14°58 | 24°29 | 0°16 | 27°28 | 26°18 | 15°56 | 8°48 | S 18 |
| S 19 | 6 15 55 | 4°11'23 | 20° 3 | 22°24 | 19°26 | 23°54 | 3°55 | 8°34 | 14°56 | 24°30 | 0°15 | 27°26 | 26°15 | 16° 2 | 8°55 | S 19 |
| M20 | 6 19 51 | 5°12'36 | 3♐55 | 23°43 | 20°42 | 24°36 | 4° 6 | 8°29 | 14°54 | 24°R30 | 0°15 | 27°21 | 26°12 | 16° 9 | 9° 1 | M20 |
| T 21 | 6 23 48 | 6°13'48 | 18°14 | 24°58 | 21°57 | 25°17 | 4°17 | 8°24 | 14°52 | 24°30 | 0°15 | 27°13 | 26° 9 | 16°16 | 9° 8 | T 21 |
| W22 | 6 27 44 | 7°15'00 | 2♑57 | 26° 9 | 23°12 | 25°59 | 4°28 | 8°19 | 14°51 | 24°29 | 0°14 | 27° 4 | 26° 5 | 16°23 | 9°14 | W22 |
| T 23 | 6 31 41 | 8°16'12 | 17°55 | 27°15 | 24°28 | 26°41 | 4°38 | 8°14 | 14°49 | 24°29 | 0°14 | 26°53 | 26° 2 | 16°29 | 9°21 | T 23 |
| F 24 | 6 35 37 | 9°17'23 | 3♒ 0 | 28°15 | 25°43 | 27°22 | 4°49 | 8° 9 | 14°47 | 24°29 | 0°14 | 26°41 | 25°59 | 16°36 | 9°27 | F 24 |
| S 25 | 6 39 34 | 10°18'34 | 18° 1 | 29° 8 | 26°58 | 28° 4 | 5° 1 | 8° 4 | 14°45 | 24°29 | 0°13 | 26°32 | 25°56 | 16°43 | 9°34 | S 25 |
| S 26 | 6 43 30 | 11°19'44 | 2♓49 | 29°53 | 28°14 | 28°45 | 5°12 | 7°59 | 14°43 | 24°29 | 0°13 | 26°24 | 25°53 | 16°49 | 9°40 | S 26 |
| M27 | 6 47 27 | 12°20'53 | 17°19 | 0♒30 | 29°29 | 29°27 | 5°23 | 7°54 | 14°41 | 24°29 | 0°13 | 26°20 | 25°50 | 16°56 | 9°47 | M27 |
| T 28 | 6 51 24 | 13°22'01 | 1♈25 | 0°58 | 0♑44 | 0♐ 9 | 5°35 | 7°49 | 14°39 | 24°28 | 0°13 | 26°17 | 25°46 | 17° 3 | 9°53 | T 28 |
| W29 | 6 55 20 | 14°23'09 | 15° 9 | 1°16 | 2° 0 | 0°51 | 5°46 | 7°44 | 14°36 | 24°28 | 0°12 | 26°D17 | 25°43 | 17°10 | 9°59 | W29 |
| T 30 | 6 59 17 | 15°24'15 | 28°32 | 1°R22 | 3°15 | 1°32 | 5°58 | 7°39 | 14°34 | 24°28 | 0°12 | 26°R17 | 25°40 | 17°16 | 10° 6 | T 30 |
| F 31 | 7 3 13 | 16♑25'21 | 11♉37 | 1♒17 | 4♑30 | 2♐14 | 6♓10 | 7♋34 | 14♌32 | 24♍27 | 0♉12 | 26♎16 | 25♎37 | 17♌23 | 10♐12 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s48 | 3n49 | 2n 6 | 25s29 | 2s 2 | 18s36 | 0n58 | 14s55 | 0n28 | 12s17 | 1s14 | 22n46 | 0s25 | 16n59 | 0n42 | 3n32 | 1n25 | 3s28 | 16s 8 | 11s 5 | 10s31 | 11n59 | 18s 4 | 3n32 |
| T 2 | 22 54 | 8 3 | 0 57 | 25 35 | 2 5 | 18 56 | 0 55 | 15 8 | 0 28 | 12 14 | 1 14 | 22 46 | 0 25 | 16 59 | 0 43 | 3 32 | 1 25 | 3 28 | 16 8 | 11 5 | 10 30 | 11 57 | 18 5 | 3 32 |
| F 3 | 23 0 | 11 50 | 0s15 | 25 39 | 2 7 | 19 14 | 0 53 | 15 21 | 0 27 | 12 11 | 1 14 | 22 46 | 0 25 | 17 0 | 0 43 | 3 32 | 1 25 | 3 28 | 16 8 | 11 5 | 10 29 | 11 55 | 18 6 | 3 32 |
| S 4 | 23 5 | 14 57 | 1 24 | 25 41 | 2 8 | 19 32 | 0 51 | 15 34 | 0 27 | 12 8 | 1 14 | 22 47 | 0 25 | 17 0 | 0 43 | 3 32 | 1 25 | 3 28 | 16 8 | 11 5 | 10 28 | 11 54 | 18 7 | 3 33 |
| S 5 | 23 10 | 17 17 | 2 28 | 25 43 | 2 10 | 19 50 | 0 49 | 15 47 | 0 26 | 12 5 | 1 14 | 22 47 | 0 25 | 17 1 | 0 43 | 3 32 | 1 25 | 3 28 | 16 7 | 11 4 | 10 27 | 11 52 | 18 8 | 3 33 |
| M 6 | 23 14 | 18 44 | 3 24 | 25 42 | 2 11 | 20 7 | 0 46 | 15 59 | 0 26 | 12 1 | 1 13 | 22 48 | 0 25 | 17 1 | 0 43 | 3 32 | 1 26 | 3 28 | 16 7 | 11 1 | 10 26 | 11 50 | 18 9 | 3 33 |
| T 7 | 23 18 | 19 13 | 4 8 | 25 40 | 2 11 | 20 24 | 0 44 | 16 12 | 0 25 | 11 58 | 1 13 | 22 48 | 0 24 | 17 1 | 0 43 | 3 31 | 1 26 | 3 28 | 16 7 | 10 58 | 10 25 | 11 49 | 18 10 | 3 33 |
| W 8 | 23 22 | 18 47 | 4 40 | 25 36 | 2 11 | 20 39 | 0 42 | 16 24 | 0 25 | 11 54 | 1 13 | 22 48 | 0 24 | 17 2 | 0 43 | 3 31 | 1 26 | 3 28 | 16 6 | 10 55 | 10 23 | 11 47 | 18 11 | 3 34 |
| T 9 | 23 25 | 17 28 | 4 59 | 25 31 | 2 10 | 20 55 | 0 39 | 16 37 | 0 24 | 11 51 | 1 13 | 22 49 | 0 24 | 17 2 | 0 43 | 3 31 | 1 26 | 3 28 | 16 6 | 10 51 | 10 22 | 11 45 | 18 11 | 3 34 |
| F 10 | 23 27 | 15 24 | 5 4 | 25 24 | 2 9 | 21 9 | 0 37 | 16 49 | 0 23 | 11 47 | 1 13 | 22 49 | 0 24 | 17 3 | 0 43 | 3 31 | 1 26 | 3 27 | 16 6 | 10 47 | 10 21 | 11 44 | 18 12 | 3 34 |
| S 11 | 23 29 | 12 43 | 4 56 | 25 15 | 2 8 | 21 23 | 0 35 | 17 1 | 0 23 | 11 44 | 1 12 | 22 50 | 0 24 | 17 3 | 0 43 | 3 31 | 1 26 | 3 27 | 16 6 | 10 43 | 10 20 | 11 42 | 18 13 | 3 34 |
| S 12 | 23 31 | 9 31 | 4 35 | 25 5 | 2 5 | 21 37 | 0 32 | 17 13 | 0 22 | 11 40 | 1 12 | 22 50 | 0 24 | 17 3 | 0 43 | 3 31 | 1 26 | 3 27 | 16 5 | 10 40 | 10 19 | 11 40 | 18 14 | 3 35 |
| M13 | 23 32 | 5 57 | 4 2 | 24 53 | 2 2 | 21 50 | 0 30 | 17 25 | 0 22 | 11 36 | 1 12 | 22 51 | 0 24 | 17 4 | 0 43 | 3 31 | 1 26 | 3 27 | 16 5 | 10 38 | 10 18 | 11 39 | 18 15 | 3 35 |
| T 14 | 23 33 | 2 8 | 3 19 | 24 39 | 1 59 | 22 2 | 0 27 | 17 37 | 0 21 | 11 33 | 1 12 | 22 51 | 0 24 | 17 4 | 0 43 | 3 31 | 1 26 | 3 27 | 16 5 | 10 37 | 10 17 | 11 37 | 18 16 | 3 35 |
| W15 | 23 33 | 1s49 | 2 26 | 24 24 | 1 54 | 22 13 | 0 25 | 17 48 | 0 20 | 11 29 | 1 12 | 22 51 | 0 24 | 17 5 | 0 43 | 3 31 | 1 26 | 3 27 | 16 4 | 10 37 | 10 15 | 11 35 | 18 16 | 3 35 |
| T 16 | 23 33 | 5 46 | 1 26 | 24 7 | 1 49 | 22 24 | 0 22 | 18 0 | 0 20 | 11 25 | 1 12 | 22 52 | 0 24 | 17 5 | 0 43 | 3 31 | 1 26 | 3 27 | 16 4 | 10 37 | 10 14 | 11 34 | 18 17 | 3 36 |
| F 17 | 23 32 | 9 34 | 0 20 | 23 49 | 1 43 | 22 34 | 0 20 | 18 11 | 0 19 | 11 21 | 1 12 | 22 52 | 0 24 | 17 6 | 0 43 | 3 31 | 1 26 | 3 27 | 16 4 | 10 37 | 10 13 | 11 32 | 18 18 | 3 36 |
| S 18 | 23 31 | 13 2 | 0n49 | 23 29 | 1 37 | 22 44 | 0 17 | 18 22 | 0 18 | 11 17 | 1 11 | 22 53 | 0 23 | 17 6 | 0 43 | 3 31 | 1 26 | 3 27 | 16 3 | 10 37 | 10 12 | 11 30 | 18 19 | 3 36 |
| S 19 | 23 29 | 15 57 | 1 57 | 23 9 | 1 29 | 22 53 | 0 15 | 18 33 | 0 18 | 11 13 | 1 11 | 22 53 | 0 23 | 17 7 | 0 43 | 3 31 | 1 26 | 3 26 | 16 3 | 10 36 | 10 11 | 11 29 | 18 19 | 3 37 |
| M20 | 23 27 | 18 4 | 3 1 | 22 47 | 1 20 | 23 1 | 0 12 | 18 44 | 0 17 | 11 9 | 1 11 | 22 54 | 0 23 | 17 8 | 0 43 | 3 31 | 1 26 | 3 26 | 16 3 | 10 35 | 10 10 | 11 27 | 18 20 | 3 37 |
| T 21 | 23 24 | 19 7 | 3 55 | 22 24 | 1 11 | 23 8 | 0 10 | 18 54 | 0 17 | 11 5 | 1 11 | 22 54 | 0 23 | 17 8 | 0 43 | 3 31 | 1 26 | 3 26 | 16 2 | 10 32 | 10 8 | 11 25 | 18 21 | 3 37 |
| W22 | 23 21 | 18 56 | 4 36 | 22 0 | 1 0 | 23 15 | 0 7 | 19 5 | 0 16 | 11 1 | 1 11 | 22 54 | 0 23 | 17 9 | 0 43 | 3 31 | 1 26 | 3 26 | 16 2 | 10 28 | 10 7 | 11 24 | 18 21 | 3 38 |
| T 23 | 23 17 | 17 25 | 4 58 | 21 36 | 0 49 | 23 21 | 0 5 | 19 15 | 0 15 | 10 57 | 1 11 | 22 55 | 0 23 | 17 9 | 0 43 | 3 31 | 1 26 | 3 26 | 16 2 | 10 24 | 10 6 | 11 22 | 18 22 | 3 38 |
| F 24 | 23 13 | 14 43 | 5 0 | 21 12 | 0 36 | 23 26 | 0 3 | 19 26 | 0 15 | 10 53 | 1 11 | 22 55 | 0 23 | 17 10 | 0 43 | 3 31 | 1 27 | 3 25 | 16 1 | 10 20 | 10 5 | 11 20 | 18 23 | 3 38 |
| S 25 | 23 9 | 11 3 | 4 41 | 20 48 | 0 22 | 23 31 | 0 0 | 19 36 | 0 14 | 10 49 | 1 10 | 22 56 | 0 23 | 17 11 | 0 43 | 3 31 | 1 27 | 3 25 | 16 1 | 10 17 | 10 4 | 11 19 | 18 23 | 3 38 |
| S 26 | 23 4 | 6 44 | 4 3 | 20 24 | 0 8 | 23 35 | 0s 2 | 19 46 | 0 13 | 10 44 | 1 10 | 22 56 | 0 23 | 17 11 | 0 43 | 3 32 | 1 27 | 3 25 | 16 1 | 10 14 | 10 3 | 11 17 | 18 24 | 3 39 |
| M27 | 22 58 | 2 7 | 3 11 | 20 0 | 0n 8 | 23 38 | 0 5 | 19 55 | 0 13 | 10 40 | 1 10 | 22 56 | 0 22 | 17 12 | 0 43 | 3 32 | 1 27 | 3 25 | 16 0 | 10 12 | 10 1 | 11 15 | 18 24 | 3 39 |
| T 28 | 22 53 | 2n31 | 2 8 | 19 38 | 0 25 | 23 40 | 0 7 | 20 5 | 0 12 | 10 36 | 1 10 | 22 57 | 0 22 | 17 12 | 0 43 | 3 32 | 1 27 | 3 25 | 16 0 | 10 12 | 10 0 | 11 13 | 18 25 | 3 39 |
| W29 | 22 46 | 6 54 | 0 59 | 19 17 | 0 42 | 23 42 | 0 10 | 20 14 | 0 11 | 10 31 | 1 10 | 22 57 | 0 22 | 17 13 | 0 43 | 3 32 | 1 27 | 3 24 | 16 0 | 10 11 | 9 59 | 11 12 | 18 26 | 3 40 |
| T 30 | 22 39 | 10 49 | 0s12 | 18 58 | 1 0 | 23 43 | 0 12 | 20 24 | 0 11 | 10 27 | 1 10 | 22 58 | 0 22 | 17 14 | 0 43 | 3 32 | 1 27 | 3 24 | 15 59 | 10 11 | 9 58 | 11 10 | 18 26 | 3 40 |
| F 31 | 22s32 | 14n 7 | 1s20 | 18s41 | 1n19 | 23s43 | 0s15 | 20s33 | 0n10 | 10s22 | 1s10 | 22n58 | 0s22 | 17n14 | 0n43 | 3n32 | 1n27 | 3s24 | 15s59 | 10s11 | 9s57 | 11n 8 | 18s27 | 3n41 |

Julian Day Number = 2130472.5, Delta T = 16m38s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'05, Lahiri = 11°36'05 Julian Calendar 1 Dec. 1120 == Greg. Calendar 8 Dec. 1120


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## JANUARY 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 7 10 | 17♑26'25 | 24♉26 | 1°R 1 | 5♑46 | 2♐56 | 6♓21 | 7°R29 | 14°R30 | 24°R27 | 0°R12 | 26°R14 | 25♎34 | 17♌30 | 10♐18 | S 1 |
| S 2 | 7 11 6 | 18°27'29 | 7♊ 2 | 0♒33 | 7° 1 | 3°38 | 6°33 | 7♋25 | 14♌28 | 24♍27 | 0♉12 | 26♎ 8 | 25°31 | 17°36 | 10°24 | S 2 |
| M 3 | 7 15 3 | 19°28'32 | 19°28 | 29♑54 | 8°16 | 4°20 | 6°45 | 7°20 | 14°25 | 24°26 | 0°12 | 25°59 | 25°27 | 17°43 | 10°30 | M 3 |
| T 4 | 7 19 0 | 20°29'34 | 1♋45 | 29° 4 | 9°31 | 5° 1 | 6°58 | 7°15 | 14°23 | 24°26 | 0°11 | 25°48 | 25°24 | 17°50 | 10°36 | T 4 |
| W 5 | 7 22 56 | 21°30'35 | 13°55 | 28° 6 | 10°47 | 5°43 | 7°10 | 7°10 | 14°21 | 24°25 | 0°11 | 25°34 | 25°21 | 17°57 | 10°42 | W 5 |
| T 6 | 7 26 53 | 22°31'35 | 25°58 | 27° 0 | 12° 2 | 6°25 | 7°22 | 7° 6 | 14°18 | 24°25 | 0°11 | 25°19 | 25°18 | 18° 3 | 10°48 | T 6 |
| F 7 | 7 30 49 | 23°32'34 | 7♌56 | 25°49 | 13°17 | 7° 7 | 7°34 | 7° 1 | 14°16 | 24°24 | 0°D11 | 25° 4 | 25°15 | 18°10 | 10°54 | F 7 |
| S 8 | 7 34 46 | 24°33'32 | 19°49 | 24°34 | 14°32 | 7°49 | 7°47 | 6°56 | 14°14 | 24°23 | 0°11 | 24°50 | 25°11 | 18°17 | 11° 0 | S 8 |
| S 9 | 7 38 42 | 25°34'29 | 1♍40 | 23°19 | 15°48 | 8°31 | 7°59 | 6°52 | 14°11 | 24°23 | 0°11 | 24°39 | 25° 8 | 18°23 | 11° 5 | S 9 |
| M10 | 7 42 39 | 26°35'25 | 13°30 | 22° 5 | 17° 3 | 9°13 | 8°12 | 6°47 | 14° 9 | 24°22 | 0°11 | 24°31 | 25° 5 | 18°30 | 11°11 | M10 |
| T 11 | 7 46 35 | 27°36'21 | 25°23 | 20°54 | 18°18 | 9°55 | 8°24 | 6°43 | 14° 6 | 24°21 | 0°12 | 24°25 | 25° 2 | 18°37 | 11°17 | T 11 |
| W12 | 7 50 32 | 28°37'16 | 7♎22 | 19°47 | 19°33 | 10°38 | 8°37 | 6°38 | 14° 4 | 24°21 | 0°12 | 24°23 | 24°59 | 18°44 | 11°22 | W12 |
| T 13 | 7 54 28 | 29°38'09 | 19°34 | 18°48 | 20°49 | 11°20 | 8°50 | 6°34 | 14° 1 | 24°20 | 0°12 | 24°22 | 24°56 | 18°50 | 11°28 | T 13 |
| F 14 | 7 58 25 | 0♒39'02 | 2♏ 1 | 17°55 | 22° 4 | 12° 2 | 9° 3 | 6°30 | 13°59 | 24°19 | 0°12 | 24°22 | 24°52 | 18°57 | 11°33 | F 14 |
| S 15 | 8 2 22 | 1°39'55 | 14°51 | 17°11 | 23°19 | 12°44 | 9°16 | 6°25 | 13°56 | 24°18 | 0°12 | 24°21 | 24°49 | 19° 4 | 11°39 | S 15 |
| S 16 | 8 6 18 | 2°40'46 | 28° 7 | 16°34 | 24°34 | 13°26 | 9°29 | 6°21 | 13°54 | 24°17 | 0°12 | 24°19 | 24°46 | 19°10 | 11°44 | S 16 |
| M17 | 8 10 15 | 3°41'36 | 11♐53 | 16° 7 | 25°50 | 14° 8 | 9°42 | 6°17 | 13°51 | 24°16 | 0°12 | 24°15 | 24°43 | 19°17 | 11°49 | M17 |
| T 18 | 8 14 11 | 4°42'25 | 26° 9 | 15°47 | 27° 5 | 14°51 | 9°55 | 6°13 | 13°48 | 24°16 | 0°13 | 24° 7 | 24°40 | 19°24 | 11°54 | T 18 |
| W19 | 8 18 8 | 5°43'14 | 10♑53 | 15°36 | 28°20 | 15°33 | 10° 8 | 6° 9 | 13°46 | 24°15 | 0°13 | 23°58 | 24°37 | 19°31 | 12° 0 | W19 |
| T 20 | 8 22 4 | 6°44'01 | 25°59 | 15°D33 | 29°35 | 16°15 | 10°21 | 6° 5 | 13°43 | 24°14 | 0°13 | 23°47 | 24°33 | 19°37 | 12° 5 | T 20 |
| F 21 | 8 26 1 | 7°44'46 | 11♒17 | 15°36 | 0♒50 | 16°58 | 10°35 | 6° 1 | 13°41 | 24°13 | 0°13 | 23°35 | 24°30 | 19°44 | 12°10 | F 21 |
| S 22 | 8 29 58 | 8°45'31 | 26°35 | 15°47 | 2° 6 | 17°40 | 10°48 | 5°57 | 13°38 | 24°12 | 0°14 | 23°25 | 24°27 | 19°51 | 12°15 | S 22 |
| S 23 | 8 33 54 | 9°46'13 | 11♓43 | 16° 4 | 3°21 | 18°22 | 11° 2 | 5°54 | 13°35 | 24°11 | 0°14 | 23°17 | 24°24 | 19°57 | 12°19 | S 23 |
| M24 | 8 37 51 | 10°46'54 | 26°31 | 16°27 | 4°36 | 19° 5 | 11°15 | 5°50 | 13°33 | 24° 9 | 0°14 | 23°12 | 24°21 | 20° 4 | 12°24 | M24 |
| T 25 | 8 41 47 | 11°47'34 | 10♈53 | 16°56 | 5°51 | 19°47 | 11°29 | 5°47 | 13°30 | 24° 8 | 0°15 | 23°10 | 24°17 | 20°11 | 12°29 | T 25 |
| W26 | 8 45 44 | 12°48'11 | 24°48 | 17°29 | 7° 6 | 20°30 | 11°42 | 5°43 | 13°28 | 24° 7 | 0°15 | 23°D 9 | 24°14 | 20°17 | 12°34 | W26 |
| T 27 | 8 49 40 | 13°48'47 | 8♉17 | 18° 7 | 8°21 | 21°12 | 11°56 | 5°40 | 13°25 | 24° 6 | 0°16 | 23°R 9 | 24°11 | 20°24 | 12°38 | T 27 |
| F 28 | 8 53 37 | 14°49'21 | 21°21 | 18°50 | 9°36 | 21°55 | 12°10 | 5°36 | 13°22 | 24° 5 | 0°16 | 23° 9 | 24° 8 | 20°31 | 12°43 | F 28 |
| S 29 | 8 57 33 | 15°49'53 | 4♊ 5 | 19°36 | 10°51 | 22°37 | 12°23 | 5°33 | 13°20 | 24° 4 | 0°17 | 23° 8 | 24° 5 | 20°38 | 12°47 | S 29 |
| S 30 | 9 1 30 | 16°50'23 | 16°34 | 20°26 | 12° 7 | 23°20 | 12°37 | 5°30 | 13°17 | 24° 2 | 0°17 | 23° 4 | 24° 2 | 20°44 | 12°51 | S 30 |
| M31 | 9 5 27 | 17♒50'52 | 28♊49 | 21♑19 | 13♒22 | 24♐ 2 | 12♓51 | 5♋27 | 13♌14 | 24♍ 1 | 0♉18 | 22♎57 | 23♎58 | 20♌51 | 12♐56 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s24 | 16n39 | 2s23 | 18s27 | 1n37 | 23s43 | 0s17 | 20s42 | 0n 9 | 10s18 | 1s10 | 22n58 | 0s22 | 17n15 | 0n44 | 3n33 | 1n27 | 3s23 | 15s59 | 10s10 | 9s56 | 11n 7 | 18s27 | 3n41 |
| S 2 | 22 16 | 18 20 | 3 17 | 18 15 | 1 56 | 23 41 | 0 19 | 20 50 | 0 8 | 10 13 | 1 9 | 22 59 | 0 22 | 17 16 | 0 44 | 3 33 | 1 27 | 3 23 | 15 58 | 10 8 | 9 54 | 11 5 | 18 28 | 3 41 |
| M 3 | 22 8 | 19 7 | 4 2 | 18 5 | 2 14 | 23 39 | 0 22 | 20 59 | 0 8 | 10 9 | 1 9 | 22 59 | 0 22 | 17 17 | 0 44 | 3 33 | 1 27 | 3 23 | 15 58 | 10 5 | 9 53 | 11 3 | 18 28 | 3 42 |
| T 4 | 21 59 | 18 59 | 4 34 | 17 59 | 2 31 | 23 37 | 0 24 | 21 7 | 0 7 | 10 4 | 1 9 | 23 0 | 0 21 | 17 17 | 0 44 | 3 33 | 1 27 | 3 23 | 15 58 | 10 1 | 9 52 | 11 2 | 18 29 | 3 42 |
| W 5 | 21 49 | 17 58 | 4 53 | 17 55 | 2 46 | 23 33 | 0 26 | 21 15 | 0 6 | 9 59 | 1 9 | 23 0 | 0 21 | 17 18 | 0 44 | 3 34 | 1 27 | 3 22 | 15 57 | 9 56 | 9 51 | 11 0 | 18 29 | 3 42 |
| T 6 | 21 40 | 16 9 | 4 59 | 17 54 | 3 0 | 23 29 | 0 29 | 21 23 | 0 6 | 9 55 | 1 9 | 23 0 | 0 21 | 17 19 | 0 44 | 3 34 | 1 27 | 3 22 | 15 57 | 9 50 | 9 50 | 10 58 | 18 30 | 3 43 |
| F 7 | 21 29 | 13 40 | 4 52 | 17 56 | 3 13 | 23 24 | 0 31 | 21 31 | 0 5 | 9 50 | 1 9 | 23 1 | 0 21 | 17 19 | 0 44 | 3 34 | 1 27 | 3 22 | 15 57 | 9 45 | 9 49 | 10 57 | 18 30 | 3 43 |
| S 8 | 21 19 | 10 38 | 4 32 | 17 59 | 3 23 | 23 18 | 0 33 | 21 39 | 0 4 | 9 45 | 1 9 | 23 1 | 0 21 | 17 20 | 0 44 | 3 34 | 1 27 | 3 21 | 15 56 | 9 40 | 9 48 | 10 55 | 18 30 | 3 44 |
| S 9 | 21 8 | 7 12 | 4 0 | 18 5 | 3 30 | 23 12 | 0 35 | 21 46 | 0 3 | 9 40 | 1 9 | 23 1 | 0 21 | 17 21 | 0 44 | 3 35 | 1 27 | 3 21 | 15 56 | 9 36 | 9 46 | 10 53 | 18 31 | 3 44 |
| M10 | 20 56 | 3 28 | 3 18 | 18 12 | 3 35 | 23 5 | 0 38 | 21 54 | 0 3 | 9 36 | 1 9 | 23 2 | 0 21 | 17 22 | 0 44 | 3 35 | 1 27 | 3 21 | 15 56 | 9 33 | 9 45 | 10 51 | 18 31 | 3 44 |
| T 11 | 20 44 | 0s24 | 2 27 | 18 20 | 3 38 | 22 57 | 0 40 | 22 1 | 0 2 | 9 31 | 1 8 | 23 2 | 0 21 | 17 22 | 0 44 | 3 35 | 1 27 | 3 20 | 15 55 | 9 31 | 9 44 | 10 50 | 18 31 | 3 45 |
| W12 | 20 32 | 4 18 | 1 29 | 18 30 | 3 38 | 22 49 | 0 42 | 22 8 | 0 1 | 9 26 | 1 8 | 23 3 | 0 21 | 17 23 | 0 44 | 3 36 | 1 28 | 3 20 | 15 55 | 9 30 | 9 43 | 10 48 | 18 32 | 3 45 |
| T 13 | 20 19 | 8 5 | 0 25 | 18 40 | 3 36 | 22 39 | 0 44 | 22 14 | 0 0 | 9 21 | 1 8 | 23 3 | 0 20 | 17 24 | 0 44 | 3 36 | 1 28 | 3 20 | 15 55 | 9 29 | 9 42 | 10 46 | 18 32 | 3 46 |
| F 14 | 20 6 | 11 36 | 0n40 | 18 51 | 3 32 | 22 29 | 0 46 | 22 21 | 0s 0 | 9 16 | 1 8 | 23 3 | 0 20 | 17 24 | 0 44 | 3 36 | 1 28 | 3 19 | 15 54 | 9 29 | 9 41 | 10 45 | 18 32 | 3 46 |
| S 15 | 19 53 | 14 41 | 1 46 | 19 2 | 3 26 | 22 19 | 0 48 | 22 27 | 0 1 | 9 11 | 1 8 | 23 4 | 0 20 | 17 25 | 0 44 | 3 37 | 1 28 | 3 19 | 15 54 | 9 29 | 9 39 | 10 43 | 18 33 | 3 46 |
| S 16 | 19 39 | 17 6 | 2 48 | 19 14 | 3 19 | 22 8 | 0 50 | 22 33 | 0 2 | 9 6 | 1 8 | 23 4 | 0 20 | 17 26 | 0 44 | 3 37 | 1 28 | 3 18 | 15 53 | 9 28 | 9 38 | 10 41 | 18 33 | 3 47 |
| M17 | 19 25 | 18 38 | 3 43 | 19 25 | 3 10 | 21 56 | 0 52 | 22 39 | 0 3 | 9 1 | 1 8 | 23 4 | 0 20 | 17 27 | 0 44 | 3 38 | 1 28 | 3 18 | 15 53 | 9 27 | 9 37 | 10 39 | 18 33 | 3 47 |
| T 18 | 19 11 | 19 3 | 4 26 | 19 37 | 3 1 | 21 43 | 0 54 | 22 45 | 0 4 | 8 56 | 1 8 | 23 5 | 0 20 | 17 28 | 0 44 | 3 38 | 1 28 | 3 18 | 15 53 | 9 24 | 9 36 | 10 38 | 18 34 | 3 48 |
| W19 | 18 56 | 18 14 | 4 53 | 19 48 | 2 51 | 21 30 | 0 56 | 22 50 | 0 4 | 8 51 | 1 8 | 23 5 | 0 20 | 17 28 | 0 44 | 3 38 | 1 28 | 3 17 | 15 52 | 9 20 | 9 35 | 10 36 | 18 34 | 3 48 |
| T 20 | 18 41 | 16 7 | 5 1 | 19 59 | 2 40 | 21 16 | 0 57 | 22 55 | 0 5 | 8 46 | 1 8 | 23 5 | 0 20 | 17 29 | 0 44 | 3 39 | 1 28 | 3 17 | 15 52 | 9 16 | 9 33 | 10 34 | 18 34 | 3 49 |
| F 21 | 18 25 | 12 52 | 4 47 | 20 10 | 2 29 | 21 1 | 0 59 | 23 1 | 0 6 | 8 41 | 1 8 | 23 5 | 0 19 | 17 30 | 0 44 | 3 39 | 1 28 | 3 16 | 15 52 | 9 12 | 9 32 | 10 33 | 18 34 | 3 49 |
| S 22 | 18 9 | 8 45 | 4 13 | 20 20 | 2 18 | 20 46 | 1 1 | 23 5 | 0 7 | 8 35 | 1 8 | 23 6 | 0 19 | 17 31 | 0 44 | 3 40 | 1 28 | 3 16 | 15 51 | 9 8 | 9 31 | 10 31 | 18 34 | 3 50 |
| S 23 | 17 53 | 4 6 | 3 21 | 20 30 | 2 6 | 20 31 | 1 2 | 23 10 | 0 8 | 8 30 | 1 7 | 23 6 | 0 19 | 17 31 | 0 44 | 3 40 | 1 28 | 3 16 | 15 51 | 9 5 | 9 30 | 10 29 | 18 35 | 3 50 |
| M24 | 17 37 | 0n41 | 2 16 | 20 39 | 1 54 | 20 14 | 1 4 | 23 14 | 0 9 | 8 25 | 1 7 | 23 6 | 0 19 | 17 32 | 0 44 | 3 41 | 1 28 | 3 15 | 15 51 | 9 3 | 9 29 | 10 27 | 18 35 | 3 50 |
| T 25 | 17 20 | 5 19 | 1 5 | 20 47 | 1 42 | 19 57 | 1 6 | 23 19 | 0 9 | 8 20 | 1 7 | 23 7 | 0 19 | 17 33 | 0 44 | 3 41 | 1 28 | 3 15 | 15 50 | 9 2 | 9 28 | 10 26 | 18 35 | 3 51 |
| W26 | 17 3 | 9 31 | 0s 9 | 20 54 | 1 31 | 19 40 | 1 7 | 23 23 | 0 10 | 8 15 | 1 7 | 23 7 | 0 19 | 17 34 | 0 44 | 3 42 | 1 28 | 3 14 | 15 50 | 9 2 | 9 26 | 10 24 | 18 35 | 3 51 |
| T 27 | 16 45 | 13 5 | 1 20 | 21 1 | 1 19 | 19 22 | 1 9 | 23 26 | 0 11 | 8 9 | 1 7 | 23 7 | 0 19 | 17 34 | 0 44 | 3 42 | 1 28 | 3 14 | 15 50 | 9 2 | 9 25 | 10 22 | 18 35 | 3 52 |
| F 28 | 16 28 | 15 52 | 2 24 | 21 6 | 1 8 | 19 3 | 1 10 | 23 30 | 0 12 | 8 4 | 1 7 | 23 7 | 0 18 | 17 35 | 0 44 | 3 43 | 1 28 | 3 13 | 15 49 | 9 2 | 9 24 | 10 21 | 18 35 | 3 52 |
| S 29 | 16 10 | 17 48 | 3 19 | 21 11 | 0 56 | 18 44 | 1 11 | 23 33 | 0 13 | 7 59 | 1 7 | 23 8 | 0 18 | 17 36 | 0 44 | 3 43 | 1 28 | 3 13 | 15 49 | 9 2 | 9 23 | 10 19 | 18 35 | 3 53 |
| S 30 | 15 52 | 18 49 | 4 4 | 21 15 | 0 45 | 18 24 | 1 13 | 23 37 | 0 14 | 7 53 | 1 7 | 23 8 | 0 18 | 17 37 | 0 44 | 3 44 | 1 28 | 3 12 | 15 49 | 9 0 | 9 22 | 10 17 | 18 35 | 3 53 |
| M31 | 15s33 | 18n56 | 4s37 | 21s17 | 0n35 | 18s 4 | 1s14 | 23s39 | 0s15 | 7s48 | 1s 7 | 23n 8 | 0s18 | 17n37 | 0n44 | 3n44 | 1n28 | 3s12 | 15s48 | 8s58 | 9s21 | 10n15 | 18s35 | 3n54 |

Julian Day Number = 2130503.5, Delta T = 16m38s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'09, Lahiri = 11°36'10 Julian Calendar 1 Jan. 1121 == Greg. Calendar 8 Jan. 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## FEBRUARY 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 9 23 | 18♒51'18 | 10♋56 | 22♑15 | 14♒37 | 24♐45 | 13♓ 5 | 5°R24 | 13°R12 | 24°R 0 | 0♉18 | 22°R48 | 23♎55 | 20♌58 | 13♐ 0 | T 1 |
| W 2 | 9 13 20 | 19°51'43 | 22°56 | 23°15 | 15°52 | 25°27 | 13°19 | 5♋21 | 13♌ 9 | 23♍59 | 0°19 | 22♎36 | 23°52 | 21° 4 | 13° 4 | W 2 |
| T 3 | 9 17 16 | 20°52'06 | 4♌52 | 24°16 | 17° 7 | 26°10 | 13°33 | 5°19 | 13° 7 | 23°57 | 0°19 | 22°24 | 23°49 | 21°11 | 13° 8 | T 3 |
| F 4 | 9 21 13 | 21°52'27 | 16°45 | 25°21 | 18°22 | 26°53 | 13°47 | 5°16 | 13° 4 | 23°56 | 0°20 | 22°12 | 23°46 | 21°18 | 13°12 | F 4 |
| S 5 | 9 25 9 | 22°52'46 | 28°36 | 26°27 | 19°37 | 27°35 | 14° 1 | 5°14 | 13° 1 | 23°55 | 0°20 | 22° 1 | 23°42 | 21°25 | 13°16 | S 5 |
| S 6 | 9 29 6 | 23°53'03 | 10♍28 | 27°36 | 20°52 | 28°18 | 14°15 | 5°11 | 12°59 | 23°53 | 0°21 | 21°51 | 23°39 | 21°31 | 13°20 | S 6 |
| M 7 | 9 33 2 | 24°53'19 | 22°21 | 28°47 | 22° 7 | 29° 1 | 14°29 | 5° 9 | 12°56 | 23°52 | 0°22 | 21°45 | 23°36 | 21°38 | 13°23 | M 7 |
| T 8 | 9 36 59 | 25°53'33 | 4♎18 | 29°59 | 23°22 | 29°44 | 14°43 | 5° 7 | 12°54 | 23°51 | 0°22 | 21°40 | 23°33 | 21°45 | 13°27 | T 8 |
| W 9 | 9 40 55 | 26°53'46 | 16°23 | 1♒14 | 24°37 | 0♑26 | 14°57 | 5° 4 | 12°51 | 23°49 | 0°23 | 21°D39 | 23°30 | 21°51 | 13°30 | W 9 |
| T 10 | 9 44 52 | 27°53'56 | 28°37 | 2°30 | 25°52 | 1° 9 | 15°11 | 5° 2 | 12°49 | 23°48 | 0°24 | 21°39 | 23°27 | 21°58 | 13°34 | T 10 |
| F 11 | 9 48 49 | 28°54'06 | 11♏ 6 | 3°48 | 27° 6 | 1°52 | 15°25 | 5° 0 | 12°46 | 23°46 | 0°24 | 21°40 | 23°23 | 22° 5 | 13°37 | F 11 |
| S 12 | 9 52 45 | 29°54'13 | 23°54 | 5° 7 | 28°21 | 2°35 | 15°40 | 4°59 | 12°44 | 23°45 | 0°25 | 21°R41 | 23°20 | 22°12 | 13°41 | S 12 |
| S 13 | 9 56 42 | 0♓54'20 | 7♐ 4 | 6°28 | 29°36 | 3°18 | 15°54 | 4°57 | 12°41 | 23°43 | 0°26 | 21°41 | 23°17 | 22°18 | 13°44 | S 13 |
| M14 | 10 0 38 | 1°54'24 | 20°40 | 7°50 | 0♓51 | 4° 0 | 16° 8 | 4°55 | 12°39 | 23°42 | 0°27 | 21°39 | 23°14 | 22°25 | 13°47 | M14 |
| T 15 | 10 4 35 | 2°54'27 | 4♑45 | 9°14 | 2° 6 | 4°43 | 16°22 | 4°54 | 12°36 | 23°40 | 0°27 | 21°35 | 23°11 | 22°32 | 13°50 | T 15 |
| W16 | 10 8 31 | 3°54'28 | 19°16 | 10°39 | 3°21 | 5°26 | 16°37 | 4°52 | 12°34 | 23°39 | 0°28 | 21°30 | 23° 8 | 22°38 | 13°53 | W16 |
| T 17 | 10 12 28 | 4°54'28 | 4♒11 | 12° 5 | 4°36 | 6° 9 | 16°51 | 4°51 | 12°32 | 23°37 | 0°29 | 21°23 | 23° 4 | 22°45 | 13°56 | T 17 |
| F 18 | 10 16 24 | 5°54'26 | 19°21 | 13°33 | 5°51 | 6°52 | 17° 6 | 4°50 | 12°29 | 23°36 | 0°30 | 21°16 | 23° 1 | 22°52 | 13°58 | F 18 |
| S 19 | 10 20 21 | 6°54'22 | 4♓38 | 15° 2 | 7° 5 | 7°35 | 17°20 | 4°49 | 12°27 | 23°34 | 0°31 | 21° 9 | 22°58 | 22°58 | 14° 1 | S 19 |
| S 20 | 10 24 18 | 7°54'15 | 19°50 | 16°32 | 8°20 | 8°18 | 17°34 | 4°48 | 12°25 | 23°32 | 0°32 | 21° 4 | 22°55 | 23° 5 | 14° 4 | S 20 |
| M21 | 10 28 14 | 8°54'07 | 4♈46 | 18° 4 | 9°35 | 9° 1 | 17°49 | 4°47 | 12°22 | 23°31 | 0°33 | 21° 1 | 22°52 | 23°12 | 14° 6 | M21 |
| T 22 | 10 32 11 | 9°53'57 | 19°20 | 19°37 | 10°50 | 9°44 | 18° 3 | 4°46 | 12°20 | 23°29 | 0°33 | 21°D 0 | 22°48 | 23°19 | 14° 9 | T 22 |
| W23 | 10 36 7 | 10°53'44 | 3♉28 | 21°11 | 12° 5 | 10°27 | 18°18 | 4°46 | 12°18 | 23°28 | 0°34 | 21° 0 | 22°45 | 23°25 | 14°11 | W23 |
| T 24 | 10 40 4 | 11°53'29 | 17° 7 | 22°46 | 13°19 | 11°10 | 18°32 | 4°45 | 12°16 | 23°26 | 0°35 | 21° 2 | 22°42 | 23°32 | 14°13 | T 24 |
| F 25 | 10 44 0 | 12°53'12 | 0♊19 | 24°22 | 14°34 | 11°53 | 18°47 | 4°45 | 12°13 | 23°24 | 0°36 | 21° 3 | 22°39 | 23°39 | 14°15 | F 25 |
| S 26 | 10 47 57 | 13°52'53 | 13° 8 | 26° 0 | 15°49 | 12°36 | 19° 1 | 4°45 | 12°11 | 23°23 | 0°37 | 21°R 4 | 22°36 | 23°45 | 14°17 | S 26 |
| S 27 | 10 51 53 | 14°52'31 | 25°37 | 27°39 | 17° 3 | 13°19 | 19°16 | 4°44 | 12° 9 | 23°21 | 0°38 | 21° 3 | 22°33 | 23°52 | 14°19 | S 27 |
| M28 | 10 55 50 | 15♓52'07 | 7♋51 | 29♒19 | 18♓18 | 14♑ 2 | 19♓30 | 4°D44 | 12♌ 7 | 23♍20 | 0♉39 | 21♎ 1 | 22♎29 | 23♌59 | 14♐21 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s15 | 18n10 | 4s56 | 21s19 | 0n24 | 17s43 | 1s15 | 23s42 | 0s15 | 7s42 | 1s 7 | 23n 8 | 0s18 | 17n38 | 0n44 | 3n45 | 1n28 | 3s11 | 15s48 | 8s54 | 9s19 | 10n14 | 18s35 | 3n54 |
| W 2 | 14 56 | 16 37 | 5 3 | 21 19 | 0 14 | 17 22 | 1 16 | 23 45 | 0 16 | 7 37 | 1 7 | 23 9 | 0 18 | 17 39 | 0 44 | 3 45 | 1 28 | 3 11 | 15 48 | 8 50 | 9 18 | 10 12 | 18 35 | 3 55 |
| T 3 | 14 36 | 14 21 | 4 56 | 21 18 | 0 4 | 17 0 | 1 17 | 23 47 | 0 17 | 7 32 | 1 7 | 23 9 | 0 18 | 17 40 | 0 44 | 3 46 | 1 29 | 3 10 | 15 47 | 8 46 | 9 17 | 10 10 | 18 35 | 3 55 |
| F 4 | 14 17 | 11 30 | 4 36 | 21 16 | 0s 6 | 16 38 | 1 18 | 23 49 | 0 18 | 7 26 | 1 7 | 23 9 | 0 18 | 17 40 | 0 44 | 3 46 | 1 29 | 3 10 | 15 47 | 8 41 | 9 16 | 10 8 | 18 35 | 3 56 |
| S 5 | 13 57 | 8 12 | 4 4 | 21 13 | 0 15 | 16 15 | 1 19 | 23 51 | 0 19 | 7 21 | 1 7 | 23 9 | 0 17 | 17 41 | 0 44 | 3 47 | 1 29 | 3 9 | 15 47 | 8 37 | 9 15 | 10 7 | 18 35 | 3 56 |
| S 6 | 13 37 | 4 34 | 3 22 | 21 8 | 0 24 | 15 52 | 1 20 | 23 52 | 0 20 | 7 15 | 1 7 | 23 10 | 0 17 | 17 42 | 0 44 | 3 48 | 1 29 | 3 9 | 15 46 | 8 33 | 9 14 | 10 5 | 18 35 | 3 57 |
| M 7 | 13 17 | 0 45 | 2 30 | 21 3 | 0 33 | 15 29 | 1 21 | 23 54 | 0 21 | 7 10 | 1 7 | 23 10 | 0 17 | 17 43 | 0 44 | 3 48 | 1 29 | 3 8 | 15 46 | 8 31 | 9 12 | 10 3 | 18 35 | 3 57 |
| T 8 | 12 57 | 3s 7 | 1 32 | 20 56 | 0 42 | 15 5 | 1 22 | 23 55 | 0 22 | 7 4 | 1 7 | 23 10 | 0 17 | 17 43 | 0 44 | 3 49 | 1 29 | 3 8 | 15 46 | 8 29 | 9 11 | 10 2 | 18 35 | 3 58 |
| W 9 | 12 36 | 6 54 | 0 28 | 20 47 | 0 50 | 14 40 | 1 22 | 23 56 | 0 23 | 6 59 | 1 7 | 23 10 | 0 17 | 17 44 | 0 44 | 3 49 | 1 29 | 3 7 | 15 45 | 8 29 | 9 10 | 10 0 | 18 35 | 3 58 |
| T 10 | 12 16 | 10 27 | 0n37 | 20 38 | 0 58 | 14 15 | 1 23 | 23 56 | 0 24 | 6 53 | 1 7 | 23 11 | 0 17 | 17 45 | 0 44 | 3 50 | 1 29 | 3 7 | 15 45 | 8 29 | 9 9 | 9 58 | 18 35 | 3 59 |
| F 11 | 11 55 | 13 36 | 1 43 | 20 27 | 1 5 | 13 50 | 1 23 | 23 57 | 0 24 | 6 48 | 1 7 | 23 11 | 0 17 | 17 45 | 0 44 | 3 51 | 1 29 | 3 6 | 15 45 | 8 29 | 9 8 | 9 56 | 18 35 | 4 0 |
| S 12 | 11 33 | 16 10 | 2 45 | 20 14 | 1 12 | 13 25 | 1 24 | 23 57 | 0 25 | 6 42 | 1 6 | 23 11 | 0 17 | 17 46 | 0 44 | 3 51 | 1 29 | 3 6 | 15 45 | 8 29 | 9 6 | 9 55 | 18 35 | 4 0 |
| S 13 | 11 12 | 17 59 | 3 40 | 20 1 | 1 19 | 12 59 | 1 24 | 23 57 | 0 26 | 6 36 | 1 6 | 23 11 | 0 16 | 17 47 | 0 44 | 3 52 | 1 29 | 3 5 | 15 44 | 8 29 | 9 5 | 9 53 | 18 34 | 4 1 |
| M14 | 10 51 | 18 49 | 4 24 | 19 46 | 1 25 | 12 33 | 1 25 | 23 57 | 0 27 | 6 31 | 1 6 | 23 11 | 0 16 | 17 48 | 0 44 | 3 52 | 1 29 | 3 5 | 15 44 | 8 29 | 9 4 | 9 51 | 18 34 | 4 1 |
| T 15 | 10 29 | 18 33 | 4 55 | 19 30 | 1 31 | 12 6 | 1 25 | 23 56 | 0 28 | 6 25 | 1 6 | 23 11 | 0 16 | 17 48 | 0 44 | 3 53 | 1 29 | 3 4 | 15 44 | 8 27 | 9 3 | 9 49 | 18 34 | 4 2 |
| W16 | 10 7 | 17 5 | 5 8 | 19 12 | 1 37 | 11 39 | 1 25 | 23 56 | 0 29 | 6 20 | 1 6 | 23 12 | 0 16 | 17 49 | 0 44 | 3 54 | 1 29 | 3 4 | 15 43 | 8 25 | 9 2 | 9 48 | 18 34 | 4 2 |
| T 17 | 9 45 | 14 26 | 5 0 | 18 53 | 1 42 | 11 12 | 1 26 | 23 55 | 0 30 | 6 14 | 1 6 | 23 12 | 0 16 | 17 50 | 0 44 | 3 54 | 1 29 | 3 3 | 15 43 | 8 23 | 9 1 | 9 46 | 18 34 | 4 3 |
| F 18 | 9 23 | 10 47 | 4 32 | 18 32 | 1 47 | 10 44 | 1 26 | 23 53 | 0 31 | 6 8 | 1 6 | 23 12 | 0 16 | 17 50 | 0 44 | 3 55 | 1 29 | 3 2 | 15 43 | 8 20 | 8 59 | 9 44 | 18 33 | 4 3 |
| S 19 | 9 1 | 6 23 | 3 44 | 18 10 | 1 51 | 10 17 | 1 26 | 23 52 | 0 32 | 6 3 | 1 6 | 23 12 | 0 16 | 17 51 | 0 44 | 3 56 | 1 29 | 3 2 | 15 42 | 8 17 | 8 58 | 9 42 | 18 33 | 4 4 |
| S 20 | 8 39 | 1 35 | 2 41 | 17 47 | 1 55 | 9 48 | 1 26 | 23 50 | 0 33 | 5 57 | 1 6 | 23 12 | 0 15 | 17 52 | 0 44 | 3 56 | 1 29 | 3 1 | 15 42 | 8 15 | 8 57 | 9 41 | 18 33 | 4 4 |
| M21 | 8 16 | 3n14 | 1 27 | 17 23 | 1 59 | 9 20 | 1 26 | 23 49 | 0 34 | 5 51 | 1 6 | 23 13 | 0 15 | 17 52 | 0 44 | 3 57 | 1 29 | 3 1 | 15 42 | 8 14 | 8 56 | 9 39 | 18 33 | 4 5 |
| T 22 | 7 54 | 7 45 | 0 9 | 16 57 | 2 3 | 8 52 | 1 26 | 23 47 | 0 35 | 5 46 | 1 6 | 23 13 | 0 15 | 17 53 | 0 44 | 3 58 | 1 29 | 3 0 | 15 42 | 8 14 | 8 55 | 9 37 | 18 32 | 4 6 |
| W23 | 7 31 | 11 40 | 1s 7 | 16 29 | 2 5 | 8 23 | 1 25 | 23 44 | 0 36 | 5 40 | 1 6 | 23 13 | 0 15 | 17 53 | 0 44 | 3 58 | 1 29 | 3 0 | 15 41 | 8 14 | 8 53 | 9 35 | 18 32 | 4 6 |
| T 24 | 7 8 | 14 50 | 2 17 | 16 0 | 2 8 | 7 54 | 1 25 | 23 42 | 0 37 | 5 34 | 1 6 | 23 13 | 0 15 | 17 54 | 0 44 | 3 59 | 1 29 | 2 59 | 15 41 | 8 15 | 8 52 | 9 34 | 18 32 | 4 7 |
| F 25 | 6 45 | 17 6 | 3 18 | 15 30 | 2 10 | 7 25 | 1 25 | 23 39 | 0 38 | 5 29 | 1 6 | 23 13 | 0 15 | 17 55 | 0 44 | 4 0 | 1 29 | 2 59 | 15 41 | 8 15 | 8 51 | 9 32 | 18 31 | 4 7 |
| S 26 | 6 22 | 18 25 | 4 6 | 14 58 | 2 12 | 6 55 | 1 25 | 23 36 | 0 39 | 5 23 | 1 6 | 23 13 | 0 15 | 17 55 | 0 44 | 4 0 | 1 29 | 2 58 | 15 41 | 8 15 | 8 50 | 9 30 | 18 31 | 4 8 |
| S 27 | 5 59 | 18 47 | 4 42 | 14 25 | 2 13 | 6 26 | 1 24 | 23 33 | 0 40 | 5 17 | 1 6 | 23 13 | 0 15 | 17 56 | 0 44 | 4 1 | 1 29 | 2 57 | 15 40 | 8 15 | 8 49 | 9 28 | 18 31 | 4 8 |
| M28 | 5s36 | 18n16 | 5s 3 | 13s51 | 2s14 | 5s56 | 1s24 | 23s29 | 0s41 | 5s11 | 1s 6 | 23n14 | 0s14 | 17n56 | 0n44 | 4n 2 | 1n29 | 2s57 | 15s40 | 8s14 | 8s47 | 9n27 | 18s30 | 4n 9 |

Julian Day Number = 2130534.5, Delta T = 16m38s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'13, Lahiri = 11°36'14 Julian Calendar 1 Feb. 1121 == Greg. Calendar 8 Feb. 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## MARCH 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 59 47 | 16♓51'40 | 19♋54 | 1♓ 0 | 19♓33 | 14♉46 | 19♓45 | 4♋44 | 12°R 5 | 23°R18 | 0♉40 | 20°R57 | 22♎26 | 24♌ 5 | 14♐23 | T 1 |
| W 2 | 11 3 43 | 17°51'12 | 1♌49 | 2°43 | 20°47 | 15°29 | 19°59 | 4°45 | 12♌ 3 | 23♍16 | 0°41 | 20♎52 | 22°23 | 24°12 | 14°24 | W 2 |
| T 3 | 11 7 40 | 18°50'41 | 13°41 | 4°27 | 22° 2 | 16°12 | 20°14 | 4°45 | 12° 1 | 23°15 | 0°42 | 20°46 | 22°20 | 24°19 | 14°26 | T 3 |
| F 4 | 11 11 36 | 19°50'07 | 25°32 | 6°12 | 23°16 | 16°55 | 20°28 | 4°45 | 11°59 | 23°13 | 0°43 | 20°40 | 22°17 | 24°26 | 14°27 | F 4 |
| S 5 | 11 15 33 | 20°49'32 | 7♍24 | 7°58 | 24°31 | 17°38 | 20°43 | 4°46 | 11°57 | 23°11 | 0°44 | 20°35 | 22°14 | 24°32 | 14°29 | S 5 |
| S 6 | 11 19 29 | 21°48'54 | 19°19 | 9°46 | 25°46 | 18°21 | 20°57 | 4°46 | 11°56 | 23°10 | 0°46 | 20°31 | 22°10 | 24°39 | 14°30 | S 6 |
| M 7 | 11 23 26 | 22°48'15 | 1♎19 | 11°35 | 27° 0 | 19° 4 | 21°11 | 4°47 | 11°54 | 23° 8 | 0°47 | 20°28 | 22° 7 | 24°46 | 14°31 | M 7 |
| T 8 | 11 27 22 | 23°47'33 | 13°26 | 13°26 | 28°15 | 19°48 | 21°26 | 4°48 | 11°52 | 23° 6 | 0°48 | 20°26 | 22° 4 | 24°52 | 14°32 | T 8 |
| W 9 | 11 31 19 | 24°46'49 | 25°42 | 15°18 | 29°29 | 20°31 | 21°40 | 4°49 | 11°50 | 23° 5 | 0°49 | 20°D26 | 22° 1 | 24°59 | 14°33 | W 9 |
| T 10 | 11 35 15 | 25°46'03 | 8♏ 8 | 17°11 | 0♈43 | 21°14 | 21°55 | 4°50 | 11°49 | 23° 3 | 0°50 | 20°27 | 21°58 | 25° 6 | 14°34 | T 10 |
| F 11 | 11 39 12 | 26°45'16 | 20°48 | 19° 5 | 1°58 | 21°57 | 22° 9 | 4°51 | 11°47 | 23° 1 | 0°51 | 20°29 | 21°54 | 25°12 | 14°35 | F 11 |
| S 12 | 11 43 9 | 27°44'26 | 3♐43 | 21° 1 | 3°12 | 22°41 | 22°24 | 4°52 | 11°45 | 23° 0 | 0°52 | 20°30 | 21°51 | 25°19 | 14°35 | S 12 |
| S 13 | 11 47 5 | 28°43'35 | 16°55 | 22°58 | 4°27 | 23°24 | 22°38 | 4°54 | 11°44 | 22°58 | 0°53 | 20°32 | 21°48 | 25°26 | 14°36 | S 13 |
| M14 | 11 51 2 | 29°42'42 | 0♑29 | 24°57 | 5°41 | 24° 7 | 22°53 | 4°55 | 11°42 | 22°56 | 0°55 | 20°R32 | 21°45 | 25°33 | 14°36 | M14 |
| T 15 | 11 54 58 | 0♈41'48 | 14°24 | 26°56 | 6°56 | 24°50 | 23° 7 | 4°57 | 11°41 | 22°55 | 0°56 | 20°31 | 21°42 | 25°39 | 14°37 | T 15 |
| W16 | 11 58 55 | 1°40'51 | 28°40 | 28°57 | 8°10 | 25°34 | 23°22 | 4°58 | 11°39 | 22°53 | 0°57 | 20°30 | 21°39 | 25°46 | 14°37 | W16 |
| T 17 | 12 2 51 | 2°39'53 | 13♒15 | 0♈59 | 9°24 | 26°17 | 23°36 | 5° 0 | 11°38 | 22°52 | 0°58 | 20°28 | 21°35 | 25°53 | 14°37 | T 17 |
| F 18 | 12 6 48 | 3°38'53 | 28° 5 | 3° 2 | 10°39 | 27° 0 | 23°50 | 5° 2 | 11°37 | 22°50 | 0°59 | 20°26 | 21°32 | 25°59 | 14°37 | F 18 |
| S 19 | 12 10 44 | 4°37'51 | 13♓ 2 | 5° 6 | 11°53 | 27°44 | 24° 5 | 5° 4 | 11°35 | 22°48 | 1° 1 | 20°24 | 21°29 | 26° 6 | 14°R37 | S 19 |
| S 20 | 12 14 41 | 5°36'47 | 27°59 | 7°10 | 13° 7 | 28°27 | 24°19 | 5° 6 | 11°34 | 22°47 | 1° 2 | 20°22 | 21°26 | 26°13 | 14°37 | S 20 |
| M21 | 12 18 38 | 6°35'41 | 12♈47 | 9°16 | 14°21 | 29°10 | 24°34 | 5° 8 | 11°33 | 22°45 | 1° 3 | 20°22 | 21°23 | 26°19 | 14°37 | M21 |
| T 22 | 12 22 34 | 7°34'32 | 27°19 | 11°21 | 15°36 | 29°54 | 24°48 | 5°11 | 11°32 | 22°43 | 1° 4 | 20°D22 | 21°19 | 26°26 | 14°37 | T 22 |
| W23 | 12 26 31 | 8°33'22 | 11♉29 | 13°27 | 16°50 | 0♒37 | 25° 2 | 5°13 | 11°31 | 22°42 | 1° 6 | 20°22 | 21°16 | 26°33 | 14°37 | W23 |
| T 24 | 12 30 27 | 9°32'10 | 25°14 | 15°33 | 18° 4 | 1°20 | 25°16 | 5°16 | 11°30 | 22°40 | 1° 7 | 20°23 | 21°13 | 26°40 | 14°36 | T 24 |
| F 25 | 12 34 24 | 10°30'55 | 8♊34 | 17°38 | 19°18 | 2° 3 | 25°31 | 5°18 | 11°29 | 22°39 | 1° 8 | 20°24 | 21°10 | 26°46 | 14°35 | F 25 |
| S 26 | 12 38 20 | 11°29'38 | 21°29 | 19°43 | 20°32 | 2°47 | 25°45 | 5°21 | 11°28 | 22°37 | 1°10 | 20°25 | 21° 7 | 26°53 | 14°35 | S 26 |
| S 27 | 12 42 17 | 12°28'19 | 4♋ 3 | 21°47 | 21°46 | 3°30 | 25°59 | 5°24 | 11°27 | 22°36 | 1°11 | 20°25 | 21° 4 | 27° 0 | 14°34 | S 27 |
| M28 | 12 46 13 | 13°26'58 | 16°20 | 23°50 | 23° 1 | 4°13 | 26°13 | 5°27 | 11°26 | 22°34 | 1°12 | 20°R25 | 21° 0 | 27° 6 | 14°33 | M28 |
| T 29 | 12 50 10 | 14°25'34 | 28°24 | 25°51 | 24°15 | 4°57 | 26°27 | 5°30 | 11°25 | 22°33 | 1°13 | 20°25 | 20°57 | 27°13 | 14°32 | T 29 |
| W30 | 12 54 7 | 15°24'08 | 10♌19 | 27°50 | 25°29 | 5°40 | 26°42 | 5°33 | 11°25 | 22°31 | 1°15 | 20°25 | 20°54 | 27°20 | 14°31 | W30 |
| T 31 | 12 58 3 | 16♈22'40 | 22♌10 | 29♈46 | 26♈43 | 6♒23 | 26♓56 | 5♋36 | 11♌24 | 22♍30 | 1♉16 | 20♎24 | 20♎51 | 27♌26 | 14♐30 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat |
| T 1 | 5s13 | 16n56 | 5s11 | 13s15 | 2s14 | 5s26 | 1s23 | 23s26 | 0s42 | 5s 6 | 1s 6 | 23n14 | 0s14 | 17n57 | 0n44 | 4n 2 | 1n29 | 2s56 | 15s40 | 8s13 | 8s46 | 9n25 | 18s30 | 4n 9 |
| W 2 | 4 49 | 14 52 | 5 6 | 12 38 | 2 14 | 4 56 | 1 22 | 23 22 | 0 43 | 5 0 | 1 6 | 23 14 | 0 14 | 17 57 | 0 44 | 4 3 | 1 29 | 2 56 | 15 40 | 8 11 | 8 45 | 9 23 | 18 30 | 4 10 |
| T 3 | 4 26 | 12 12 | 4 47 | 11 59 | 2 13 | 4 26 | 1 22 | 23 18 | 0 44 | 4 54 | 1 6 | 23 14 | 0 14 | 17 58 | 0 44 | 4 4 | 1 29 | 2 55 | 15 39 | 8 9 | 8 44 | 9 21 | 18 29 | 4 11 |
| F 4 | 4 3 | 9 3 | 4 16 | 11 19 | 2 12 | 3 55 | 1 21 | 23 14 | 0 45 | 4 49 | 1 6 | 23 14 | 0 14 | 17 58 | 0 44 | 4 4 | 1 29 | 2 55 | 15 39 | 8 7 | 8 43 | 9 20 | 18 29 | 4 11 |
| S 5 | 3 39 | 5 31 | 3 34 | 10 38 | 2 11 | 3 25 | 1 20 | 23 9 | 0 47 | 4 43 | 1 6 | 23 14 | 0 14 | 17 59 | 0 44 | 4 5 | 1 29 | 2 54 | 15 39 | 8 5 | 8 42 | 9 18 | 18 28 | 4 12 |
| S 6 | 3 16 | 1 46 | 2 42 | 9 55 | 2 9 | 2 54 | 1 19 | 23 4 | 0 48 | 4 37 | 1 6 | 23 14 | 0 14 | 17 59 | 0 44 | 4 6 | 1 29 | 2 53 | 15 39 | 8 3 | 8 40 | 9 16 | 18 28 | 4 12 |
| M 7 | 2 52 | 2s 6 | 1 43 | 9 11 | 2 6 | 2 24 | 1 18 | 22 59 | 0 49 | 4 31 | 1 6 | 23 14 | 0 14 | 18 0 | 0 44 | 4 6 | 1 29 | 2 53 | 15 38 | 8 2 | 8 39 | 9 14 | 18 28 | 4 13 |
| T 8 | 2 29 | 5 55 | 0 38 | 8 26 | 2 3 | 1 53 | 1 17 | 22 54 | 0 50 | 4 26 | 1 6 | 23 14 | 0 13 | 18 0 | 0 44 | 4 7 | 1 29 | 2 52 | 15 38 | 8 1 | 8 38 | 9 13 | 18 27 | 4 13 |
| W 9 | 2 5 | 9 32 | 0n29 | 7 39 | 1 59 | 1 22 | 1 16 | 22 49 | 0 51 | 4 20 | 1 6 | 23 15 | 0 13 | 18 1 | 0 43 | 4 8 | 1 29 | 2 52 | 15 38 | 8 1 | 8 37 | 9 11 | 18 27 | 4 14 |
| T 10 | 1 41 | 12 46 | 1 36 | 6 51 | 1 55 | 0 52 | 1 15 | 22 43 | 0 52 | 4 14 | 1 7 | 23 15 | 0 13 | 18 1 | 0 43 | 4 8 | 1 29 | 2 51 | 15 38 | 8 2 | 8 36 | 9 9 | 18 26 | 4 15 |
| F 11 | 1 18 | 15 28 | 2 39 | 6 2 | 1 51 | 0 21 | 1 14 | 22 37 | 0 53 | 4 9 | 1 7 | 23 15 | 0 13 | 18 2 | 0 43 | 4 9 | 1 29 | 2 51 | 15 38 | 8 2 | 8 34 | 9 7 | 18 26 | 4 15 |
| S 12 | 0 54 | 17 27 | 3 36 | 5 11 | 1 45 | 0n10 | 1 13 | 22 31 | 0 54 | 4 3 | 1 7 | 23 15 | 0 13 | 18 2 | 0 43 | 4 9 | 1 29 | 2 50 | 15 37 | 8 3 | 8 33 | 9 6 | 18 25 | 4 16 |
| S 13 | 0 31 | 18 32 | 4 23 | 4 20 | 1 40 | 0 41 | 1 12 | 22 25 | 0 55 | 3 57 | 1 7 | 23 15 | 0 13 | 18 3 | 0 43 | 4 10 | 1 29 | 2 49 | 15 37 | 8 3 | 8 32 | 9 4 | 18 25 | 4 16 |
| M14 | 0 7 | 18 36 | 4 57 | 3 27 | 1 34 | 1 12 | 1 10 | 22 19 | 0 56 | 3 51 | 1 7 | 23 15 | 0 13 | 18 3 | 0 43 | 4 11 | 1 29 | 2 49 | 15 37 | 8 3 | 8 31 | 9 2 | 18 24 | 4 17 |
| T 15 | 0n17 | 17 34 | 5 14 | 2 33 | 1 27 | 1 42 | 1 9 | 22 12 | 0 57 | 3 46 | 1 7 | 23 15 | 0 13 | 18 3 | 0 43 | 4 11 | 1 29 | 2 48 | 15 37 | 8 3 | 8 30 | 9 0 | 18 24 | 4 18 |
| W16 | 0 40 | 15 25 | 5 12 | 1 38 | 1 20 | 2 13 | 1 8 | 22 5 | 0 59 | 3 40 | 1 7 | 23 15 | 0 12 | 18 4 | 0 43 | 4 12 | 1 29 | 2 48 | 15 37 | 8 3 | 8 28 | 8 59 | 18 23 | 4 18 |
| T 17 | 1 4 | 12 16 | 4 51 | 0 42 | 1 12 | 2 44 | 1 6 | 21 58 | 1 0 | 3 34 | 1 7 | 23 15 | 0 12 | 18 4 | 0 43 | 4 13 | 1 29 | 2 47 | 15 37 | 8 2 | 8 27 | 8 57 | 18 23 | 4 19 |
| F 18 | 1 27 | 8 17 | 4 10 | 0n14 | 1 4 | 3 15 | 1 4 | 21 51 | 1 1 | 3 29 | 1 7 | 23 15 | 0 12 | 18 4 | 0 43 | 4 13 | 1 29 | 2 47 | 15 36 | 8 1 | 8 26 | 8 55 | 18 22 | 4 19 |
| S 19 | 1 51 | 3 44 | 3 12 | 1 12 | 0 55 | 3 45 | 1 3 | 21 43 | 1 2 | 3 23 | 1 7 | 23 15 | 0 12 | 18 5 | 0 43 | 4 14 | 1 29 | 2 46 | 15 36 | 8 0 | 8 25 | 8 53 | 18 21 | 4 20 |
| S 20 | 2 14 | 1n 2 | 2 1 | 2 10 | 0 46 | 4 16 | 1 1 | 21 36 | 1 3 | 3 17 | 1 7 | 23 15 | 0 12 | 18 5 | 0 43 | 4 15 | 1 29 | 2 46 | 15 36 | 8 0 | 8 24 | 8 51 | 18 21 | 4 20 |
| M21 | 2 38 | 5 43 | 0 42 | 3 8 | 0 36 | 4 46 | 1 0 | 21 28 | 1 4 | 3 12 | 1 7 | 23 15 | 0 12 | 18 5 | 0 43 | 4 15 | 1 29 | 2 45 | 15 36 | 7 59 | 8 22 | 8 50 | 18 20 | 4 21 |
| T 22 | 3 1 | 9 58 | 0s38 | 4 7 | 0 26 | 5 17 | 0 58 | 21 20 | 1 5 | 3 6 | 1 7 | 23 15 | 0 12 | 18 6 | 0 43 | 4 16 | 1 29 | 2 44 | 15 36 | 7 59 | 8 21 | 8 48 | 18 20 | 4 22 |
| W23 | 3 24 | 13 32 | 1 54 | 5 6 | 0 16 | 5 47 | 0 56 | 21 12 | 1 6 | 3 0 | 1 7 | 23 15 | 0 12 | 18 6 | 0 43 | 4 17 | 1 29 | 2 44 | 15 36 | 8 0 | 8 20 | 8 46 | 18 19 | 4 22 |
| T 24 | 3 48 | 16 14 | 3 2 | 6 4 | 0 5 | 6 17 | 0 54 | 21 3 | 1 8 | 2 55 | 1 7 | 23 15 | 0 11 | 18 6 | 0 43 | 4 17 | 1 29 | 2 43 | 15 35 | 8 0 | 8 19 | 8 44 | 18 18 | 4 23 |
| F 25 | 4 11 | 17 56 | 3 57 | 7 3 | 0n 6 | 6 47 | 0 52 | 20 55 | 1 9 | 2 49 | 1 7 | 23 15 | 0 11 | 18 6 | 0 43 | 4 18 | 1 29 | 2 43 | 15 35 | 8 0 | 8 18 | 8 43 | 18 18 | 4 23 |
| S 26 | 4 34 | 18 39 | 4 38 | 8 0 | 0 17 | 7 17 | 0 50 | 20 46 | 1 10 | 2 43 | 1 7 | 23 15 | 0 11 | 18 7 | 0 43 | 4 18 | 1 29 | 2 42 | 15 35 | 8 1 | 8 16 | 8 41 | 18 17 | 4 24 |
| S 27 | 4 57 | 18 25 | 5 4 | 8 58 | 0 28 | 7 46 | 0 49 | 20 37 | 1 11 | 2 38 | 1 7 | 23 15 | 0 11 | 18 7 | 0 43 | 4 19 | 1 29 | 2 42 | 15 35 | 8 1 | 8 15 | 8 39 | 18 17 | 4 24 |
| M28 | 5 20 | 17 19 | 5 16 | 9 54 | 0 39 | 8 16 | 0 47 | 20 28 | 1 12 | 2 32 | 1 7 | 23 15 | 0 11 | 18 7 | 0 43 | 4 20 | 1 29 | 2 41 | 15 35 | 8 1 | 8 14 | 8 37 | 18 16 | 4 25 |
| T 29 | 5 43 | 15 27 | 5 14 | 10 49 | 0 50 | 8 45 | 0 45 | 20 18 | 1 13 | 2 27 | 1 7 | 23 15 | 0 11 | 18 7 | 0 43 | 4 20 | 1 29 | 2 41 | 15 35 | 8 1 | 8 13 | 8 36 | 18 15 | 4 25 |
| W30 | 6 6 | 12 57 | 4 58 | 11 42 | 1 1 | 9 14 | 0 42 | 20 9 | 1 15 | 2 21 | 1 7 | 23 15 | 0 11 | 18 7 | 0 43 | 4 21 | 1 29 | 2 40 | 15 35 | 8 1 | 8 12 | 8 34 | 18 15 | 4 26 |
| T 31 | 6n28 | 9n56 | 4s30 | 12n34 | 1n12 | 9n43 | 0s40 | 19s59 | 1s16 | 2s16 | 1s 8 | 23n15 | 0s11 | 18n 8 | 0n43 | 4n21 | 1n29 | 2s39 | 15s35 | 8s 0 | 8s11 | 8n32 | 18s14 | 4n27 |

Julian Day Number = 2130562.5, Delta T = 16m37s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'17, Lahiri = 11°36'18 Julian Calendar 1 March 1121 == Greg. Calendar 8 March 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## APRIL 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 2 0 | 17♈21'10 | 4♍ 1 | 1♉40 | 27♈57 | 7♒ 6 | 27♓10 | 5♋40 | 11°R23 | 22°R28 | 1♉17 | 20°R24 | 20♎48 | 27♌33 | 14°R29 | F 1 |
| S 2 | 13 5 56 | 18°19'38 | 15°55 | 3°32 | 29°11 | 7°50 | 27°24 | 5°43 | 11♌23 | 22♍27 | 1°19 | 20♎23 | 20°45 | 27°40 | 14♐28 | S 2 |
| S 3 | 13 9 53 | 19°18'03 | 27°56 | 5°20 | 0♉25 | 8°33 | 27°38 | 5°47 | 11°22 | 22°25 | 1°20 | 20°23 | 20°41 | 27°47 | 14°26 | S 3 |
| M 4 | 13 13 49 | 20°16'26 | 10♎ 5 | 7° 5 | 1°39 | 9°16 | 27°52 | 5°50 | 11°22 | 22°24 | 1°21 | 20°D23 | 20°38 | 27°53 | 14°25 | M 4 |
| T 5 | 13 17 46 | 21°14'48 | 22°25 | 8°46 | 2°52 | 9°59 | 28° 5 | 5°54 | 11°21 | 22°22 | 1°23 | 20°R23 | 20°35 | 28° 0 | 14°23 | T 5 |
| W 6 | 13 21 42 | 22°13'08 | 4♏57 | 10°23 | 4° 6 | 10°43 | 28°19 | 5°58 | 11°21 | 22°21 | 1°24 | 20°23 | 20°32 | 28° 7 | 14°22 | W 6 |
| T 7 | 13 25 39 | 23°11'26 | 17°42 | 11°56 | 5°20 | 11°26 | 28°33 | 6° 2 | 11°21 | 22°20 | 1°25 | 20°23 | 20°29 | 28°13 | 14°20 | T 7 |
| F 8 | 13 29 35 | 24° 9'42 | 0♐41 | 13°26 | 6°34 | 12° 9 | 28°47 | 6° 6 | 11°20 | 22°18 | 1°27 | 20°23 | 20°25 | 28°20 | 14°18 | F 8 |
| S 9 | 13 33 32 | 25° 7'57 | 13°53 | 14°51 | 7°48 | 12°52 | 29° 1 | 6°10 | 11°20 | 22°17 | 1°28 | 20°22 | 20°22 | 28°27 | 14°16 | S 9 |
| S 10 | 13 37 29 | 26° 6'10 | 27°20 | 16°11 | 9° 2 | 13°35 | 29°14 | 6°14 | 11°20 | 22°16 | 1°30 | 20°22 | 20°19 | 28°33 | 14°14 | S 10 |
| M11 | 13 41 25 | 27° 4'21 | 11♑ 1 | 17°27 | 10°16 | 14°19 | 29°28 | 6°18 | 11°20 | 22°14 | 1°31 | 20°21 | 20°16 | 28°40 | 14°12 | M11 |
| T 12 | 13 45 22 | 28° 2'31 | 24°56 | 18°39 | 11°29 | 15° 2 | 29°42 | 6°22 | 11°D20 | 22°13 | 1°32 | 20°D21 | 20°13 | 28°47 | 14°10 | T 12 |
| W13 | 13 49 18 | 29° 0'40 | 9♒ 4 | 19°46 | 12°43 | 15°45 | 29°55 | 6°27 | 11°20 | 22°12 | 1°34 | 20°21 | 20°10 | 28°53 | 14° 8 | W13 |
| T 14 | 13 53 15 | 29°58'47 | 23°22 | 20°49 | 13°57 | 16°28 | 0♈ 9 | 6°31 | 11°20 | 22°10 | 1°35 | 20°21 | 20° 6 | 29° 0 | 14° 5 | T 14 |
| F 15 | 13 57 11 | 0♉56'53 | 7♓49 | 21°46 | 15°10 | 17°11 | 0°22 | 6°36 | 11°20 | 22° 9 | 1°36 | 20°22 | 20° 3 | 29° 7 | 14° 3 | F 15 |
| S 16 | 14 1 8 | 1°54'57 | 22°21 | 22°39 | 16°24 | 17°54 | 0°36 | 6°41 | 11°20 | 22° 8 | 1°38 | 20°23 | 20° 0 | 29°14 | 14° 1 | S 16 |
| S 17 | 14 5 4 | 2°52'59 | 6♈52 | 23°27 | 17°38 | 18°37 | 0°49 | 6°45 | 11°20 | 22° 7 | 1°39 | 20°24 | 19°57 | 29°20 | 13°58 | S 17 |
| M18 | 14 9 1 | 3°51'00 | 21°18 | 24°10 | 18°51 | 19°20 | 1° 2 | 6°50 | 11°21 | 22° 6 | 1°40 | 20°R24 | 19°54 | 29°27 | 13°55 | M18 |
| T 19 | 14 12 58 | 4°49'00 | 5♉33 | 24°48 | 20° 5 | 20° 3 | 1°15 | 6°55 | 11°21 | 22° 5 | 1°42 | 20°24 | 19°50 | 29°34 | 13°53 | T 19 |
| W20 | 14 16 54 | 5°46'58 | 19°32 | 25°21 | 21°19 | 20°46 | 1°29 | 7° 0 | 11°21 | 22° 4 | 1°43 | 20°22 | 19°47 | 29°40 | 13°50 | W20 |
| T 21 | 14 20 51 | 6°44'55 | 3♊12 | 25°49 | 22°32 | 21°29 | 1°42 | 7° 5 | 11°22 | 22° 2 | 1°45 | 20°21 | 19°44 | 29°47 | 13°47 | T 21 |
| F 22 | 14 24 47 | 7°42'49 | 16°30 | 26°12 | 23°46 | 22°12 | 1°55 | 7°10 | 11°22 | 22° 1 | 1°46 | 20°18 | 19°41 | 29°54 | 13°44 | F 22 |
| S 23 | 14 28 44 | 8°40'42 | 29°27 | 26°30 | 24°59 | 22°55 | 2° 8 | 7°15 | 11°23 | 22° 0 | 1°47 | 20°16 | 19°38 | 0♍ 0 | 13°41 | S 23 |
| S 24 | 14 32 40 | 9°38'34 | 12♋ 4 | 26°43 | 26°13 | 23°38 | 2°21 | 7°21 | 11°23 | 21°59 | 1°49 | 20°13 | 19°35 | 0° 7 | 13°38 | S 24 |
| M25 | 14 36 37 | 10°36'23 | 24°23 | 26°50 | 27°26 | 24°21 | 2°34 | 7°26 | 11°24 | 21°58 | 1°50 | 20°12 | 19°31 | 0°14 | 13°35 | M25 |
| T 26 | 14 40 33 | 11°34'11 | 6♌28 | 26°R53 | 28°40 | 25° 4 | 2°46 | 7°31 | 11°25 | 21°57 | 1°51 | 20°D11 | 19°28 | 0°20 | 13°32 | T 26 |
| W27 | 14 44 30 | 12°31'57 | 18°25 | 26°51 | 29°53 | 25°46 | 2°59 | 7°37 | 11°26 | 21°56 | 1°53 | 20°11 | 19°25 | 0°27 | 13°29 | W27 |
| T 28 | 14 48 27 | 13°29'41 | 0♍16 | 26°44 | 1♊ 7 | 26°29 | 3°12 | 7°42 | 11°26 | 21°56 | 1°54 | 20°12 | 19°22 | 0°34 | 13°26 | T 28 |
| F 29 | 14 52 23 | 14°27'24 | 12° 8 | 26°33 | 2°20 | 27°12 | 3°25 | 7°48 | 11°27 | 21°55 | 1°55 | 20°13 | 19°19 | 0°40 | 13°22 | F 29 |
| S 30 | 14 56 20 | 15♉25'05 | 24♍ 4 | 26♉17 | 3♊33 | 27♒54 | 3♈37 | 7♋54 | 11♌28 | 21♍54 | 1♉57 | 20♎15 | 19♎16 | 0♍47 | 13♐19 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n51 | 6n31 | 3s50 | 13n24 | 1n23 | 10n12 | 0s38 | 19s49 | 1s17 | 2s10 | 1s 8 | 23n15 | 0s11 | 18n 8 | 0n43 | 4n22 | 1n29 | 2s39 | 15s34 | 8s 0 | 8s 9 | 8n30 | 18s13 | 4n27 |
| S 2 | 7 13 | 2 49 | 3 0 | 14 12 | 1 33 | 10 40 | 0 36 | 19 39 | 1 18 | 2 5 | 1 8 | 23 15 | 0 10 | 18 8 | 0 43 | 4 23 | 1 29 | 2 38 | 15 34 | 8 0 | 8 8 | 8 28 | 18 13 | 4 28 |
| S 3 | 7 35 | 1s 2 | 2 2 | 14 58 | 1 42 | 11 8 | 0 34 | 19 29 | 1 19 | 1 59 | 1 8 | 23 15 | 0 10 | 18 8 | 0 43 | 4 23 | 1 29 | 2 38 | 15 34 | 8 0 | 8 7 | 8 27 | 18 12 | 4 28 |
| M 4 | 7 57 | 4 53 | 0 57 | 15 42 | 1 51 | 11 36 | 0 32 | 19 19 | 1 20 | 1 54 | 1 8 | 23 15 | 0 10 | 18 8 | 0 43 | 4 24 | 1 29 | 2 37 | 15 34 | 8 0 | 8 6 | 8 25 | 18 11 | 4 29 |
| T 5 | 8 20 | 8 35 | 0n11 | 16 23 | 2 0 | 12 4 | 0 29 | 19 8 | 1 22 | 1 48 | 1 8 | 23 15 | 0 10 | 18 8 | 0 43 | 4 24 | 1 29 | 2 37 | 15 34 | 8 0 | 8 5 | 8 23 | 18 10 | 4 29 |
| W 6 | 8 41 | 11 59 | 1 20 | 17 2 | 2 8 | 12 31 | 0 27 | 18 57 | 1 23 | 1 43 | 1 8 | 23 15 | 0 10 | 18 8 | 0 43 | 4 25 | 1 29 | 2 36 | 15 34 | 8 0 | 8 3 | 8 21 | 18 10 | 4 30 |
| T 7 | 9 3 | 14 51 | 2 26 | 17 38 | 2 15 | 12 58 | 0 25 | 18 47 | 1 24 | 1 37 | 1 8 | 23 15 | 0 10 | 18 8 | 0 43 | 4 25 | 1 29 | 2 36 | 15 34 | 8 0 | 8 2 | 8 19 | 18 9 | 4 30 |
| F 8 | 9 25 | 17 2 | 3 26 | 18 12 | 2 22 | 13 25 | 0 22 | 18 36 | 1 25 | 1 32 | 1 8 | 23 15 | 0 10 | 18 8 | 0 43 | 4 26 | 1 29 | 2 35 | 15 34 | 8 0 | 8 1 | 8 18 | 18 8 | 4 31 |
| S 9 | 9 46 | 18 21 | 4 15 | 18 43 | 2 27 | 13 52 | 0 20 | 18 24 | 1 26 | 1 26 | 1 8 | 23 15 | 0 10 | 18 8 | 0 43 | 4 26 | 1 29 | 2 35 | 15 34 | 8 0 | 8 0 | 8 16 | 18 8 | 4 31 |
| S 10 | 10 8 | 18 40 | 4 52 | 19 11 | 2 32 | 14 18 | 0 18 | 18 13 | 1 28 | 1 21 | 1 8 | 23 15 | 0 10 | 18 8 | 0 43 | 4 27 | 1 29 | 2 34 | 15 34 | 7 59 | 7 58 | 8 14 | 18 7 | 4 32 |
| M11 | 10 29 | 17 54 | 5 13 | 19 37 | 2 36 | 14 43 | 0 15 | 18 2 | 1 29 | 1 16 | 1 8 | 23 15 | 0 9 | 18 8 | 0 43 | 4 27 | 1 29 | 2 34 | 15 34 | 7 59 | 7 57 | 8 12 | 18 6 | 4 32 |
| T 12 | 10 50 | 16 4 | 5 16 | 20 0 | 2 39 | 15 9 | 0 13 | 17 50 | 1 30 | 1 10 | 1 9 | 23 15 | 0 9 | 18 8 | 0 42 | 4 28 | 1 29 | 2 33 | 15 34 | 7 59 | 7 56 | 8 11 | 18 5 | 4 33 |
| W13 | 11 10 | 13 15 | 5 0 | 20 21 | 2 41 | 15 34 | 0 10 | 17 38 | 1 31 | 1 5 | 1 9 | 23 14 | 0 9 | 18 8 | 0 42 | 4 28 | 1 29 | 2 33 | 15 34 | 7 59 | 7 55 | 8 9 | 18 5 | 4 33 |
| T 14 | 11 31 | 9 36 | 4 26 | 20 39 | 2 43 | 15 58 | 0 8 | 17 26 | 1 32 | 1 0 | 1 9 | 23 14 | 0 9 | 18 8 | 0 42 | 4 29 | 1 29 | 2 32 | 15 34 | 7 59 | 7 54 | 8 7 | 18 4 | 4 34 |
| F 15 | 11 51 | 5 21 | 3 35 | 20 55 | 2 43 | 16 23 | 0 5 | 17 14 | 1 34 | 0 54 | 1 9 | 23 14 | 0 9 | 18 8 | 0 42 | 4 29 | 1 29 | 2 32 | 15 34 | 8 0 | 7 52 | 8 5 | 18 3 | 4 34 |
| S 16 | 12 12 | 0 46 | 2 29 | 21 8 | 2 42 | 16 46 | 0 3 | 17 2 | 1 35 | 0 49 | 1 9 | 23 14 | 0 9 | 18 8 | 0 42 | 4 30 | 1 29 | 2 31 | 15 34 | 8 0 | 7 51 | 8 3 | 18 2 | 4 35 |
| S 17 | 12 32 | 3n53 | 1 14 | 21 18 | 2 40 | 17 10 | 0 0 | 16 50 | 1 36 | 0 44 | 1 9 | 23 14 | 0 9 | 18 8 | 0 42 | 4 30 | 1 29 | 2 31 | 15 34 | 8 0 | 7 50 | 8 2 | 18 1 | 4 35 |
| M18 | 12 52 | 8 16 | 0s 5 | 21 26 | 2 37 | 17 33 | 0n 2 | 16 38 | 1 37 | 0 39 | 1 9 | 23 14 | 0 9 | 18 8 | 0 42 | 4 31 | 1 29 | 2 31 | 15 34 | 8 0 | 7 49 | 8 0 | 18 1 | 4 36 |
| T 19 | 13 11 | 12 8 | 1 23 | 21 32 | 2 33 | 17 55 | 0 5 | 16 25 | 1 38 | 0 33 | 1 9 | 23 14 | 0 9 | 18 8 | 0 42 | 4 31 | 1 29 | 2 30 | 15 34 | 8 0 | 7 48 | 7 58 | 18 0 | 4 36 |
| W20 | 13 31 | 15 13 | 2 34 | 21 35 | 2 28 | 18 17 | 0 7 | 16 13 | 1 40 | 0 28 | 1 9 | 23 13 | 0 8 | 18 8 | 0 42 | 4 31 | 1 29 | 2 30 | 15 34 | 8 0 | 7 46 | 7 56 | 17 59 | 4 37 |
| T 21 | 13 50 | 17 22 | 3 35 | 21 36 | 2 22 | 18 39 | 0 10 | 16 0 | 1 41 | 0 23 | 1 10 | 23 13 | 0 8 | 18 8 | 0 42 | 4 32 | 1 29 | 2 29 | 15 34 | 7 59 | 7 45 | 7 54 | 17 58 | 4 37 |
| F 22 | 14 9 | 18 31 | 4 22 | 21 34 | 2 14 | 19 0 | 0 12 | 15 47 | 1 42 | 0 18 | 1 10 | 23 13 | 0 8 | 18 7 | 0 42 | 4 32 | 1 29 | 2 29 | 15 34 | 7 58 | 7 44 | 7 53 | 17 58 | 4 38 |
| S 23 | 14 28 | 18 38 | 4 55 | 21 30 | 2 6 | 19 20 | 0 15 | 15 34 | 1 43 | 0 13 | 1 10 | 23 13 | 0 8 | 18 7 | 0 42 | 4 33 | 1 29 | 2 28 | 15 34 | 7 57 | 7 43 | 7 51 | 17 57 | 4 38 |
| S 24 | 14 46 | 17 49 | 5 12 | 21 24 | 1 56 | 19 40 | 0 17 | 15 21 | 1 44 | 0 8 | 1 10 | 23 13 | 0 8 | 18 7 | 0 42 | 4 33 | 1 29 | 2 28 | 15 34 | 7 56 | 7 42 | 7 49 | 17 56 | 4 39 |
| M25 | 15 4 | 16 11 | 5 15 | 21 15 | 1 46 | 20 0 | 0 20 | 15 8 | 1 46 | 0 3 | 1 10 | 23 13 | 0 8 | 18 7 | 0 42 | 4 33 | 1 29 | 2 27 | 15 34 | 7 56 | 7 40 | 7 47 | 17 55 | 4 39 |
| T 26 | 15 22 | 13 51 | 5 3 | 21 5 | 1 34 | 20 19 | 0 22 | 14 54 | 1 47 | 0n 2 | 1 10 | 23 12 | 0 8 | 18 7 | 0 42 | 4 34 | 1 29 | 2 27 | 15 34 | 7 55 | 7 39 | 7 45 | 17 54 | 4 39 |
| W27 | 15 40 | 10 58 | 4 38 | 20 52 | 1 21 | 20 37 | 0 25 | 14 41 | 1 48 | 0 7 | 1 10 | 23 12 | 0 8 | 18 6 | 0 42 | 4 34 | 1 29 | 2 27 | 15 34 | 7 55 | 7 38 | 7 44 | 17 54 | 4 40 |
| T 28 | 15 58 | 7 40 | 4 2 | 20 37 | 1 8 | 20 55 | 0 27 | 14 27 | 1 49 | 0 12 | 1 10 | 23 12 | 0 8 | 18 6 | 0 42 | 4 34 | 1 29 | 2 26 | 15 34 | 7 56 | 7 37 | 7 42 | 17 53 | 4 40 |
| F 29 | 16 15 | 4 3 | 3 15 | 20 20 | 0 53 | 21 13 | 0 30 | 14 14 | 1 51 | 0 17 | 1 11 | 23 12 | 0 7 | 18 6 | 0 42 | 4 35 | 1 29 | 2 26 | 15 34 | 7 56 | 7 36 | 7 40 | 17 52 | 4 41 |
| S 30 | 16n32 | 0n14 | 2s19 | 20n 2 | 0n38 | 21n29 | 0n32 | 14s 0 | 1s52 | 0n22 | 1s11 | 23n11 | 0s 7 | 18n 5 | 0n42 | 4n35 | 1n28 | 2s25 | 15s34 | 7s57 | 7s34 | 7n38 | 17s51 | 4n41 |

Julian Day Number = 2130593.5, Delta T = 16m37s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'21, Lahiri = 11°36'22 Julian Calendar 1 Apr. 1121 == Greg. Calendar 8 Apr. 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## MAY 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 0 16 | 16♉22'44 | 6♎ 9 | 25°R58 | 4♊47 | 28♒37 | 3♈50 | 8♋ 0 | 11♌29 | 21°R53 | 1♉58 | 20♎16 | 19♎12 | 0♍54 | 13°R16 | S 1 |
| M 2 | 15 4 13 | 17°20'22 | 18°27 | 25♉35 | 6° 0 | 29°19 | 4° 2 | 8° 5 | 11°30 | 21♍52 | 1°59 | 20°R17 | 19° 9 | 1° 1 | 13♐12 | M 2 |
| T 3 | 15 8 9 | 18°17'58 | 1♏ 0 | 25° 9 | 7°13 | 0♓ 2 | 4°14 | 8°11 | 11°31 | 21°51 | 2° 1 | 20°17 | 19° 6 | 1° 7 | 13° 9 | T 3 |
| W 4 | 15 12 6 | 19°15'34 | 13°49 | 24°40 | 8°26 | 0°44 | 4°27 | 8°17 | 11°32 | 21°51 | 2° 2 | 20°15 | 19° 3 | 1°14 | 13° 5 | W 4 |
| T 5 | 15 16 2 | 20°13'07 | 26°56 | 24°10 | 9°40 | 1°27 | 4°39 | 8°23 | 11°34 | 21°50 | 2° 3 | 20°12 | 19° 0 | 1°21 | 13° 1 | T 5 |
| F 6 | 15 19 59 | 21°10'40 | 10♐19 | 23°37 | 10°53 | 2° 9 | 4°51 | 8°29 | 11°35 | 21°49 | 2° 5 | 20° 7 | 18°56 | 1°27 | 12°58 | F 6 |
| S 7 | 15 23 56 | 22° 8'12 | 23°57 | 23° 4 | 12° 6 | 2°51 | 5° 3 | 8°35 | 11°36 | 21°49 | 2° 6 | 20° 3 | 18°53 | 1°34 | 12°54 | S 7 |
| S 8 | 15 27 52 | 23° 5'43 | 7♑47 | 22°30 | 13°19 | 3°34 | 5°15 | 8°42 | 11°37 | 21°48 | 2° 7 | 19°58 | 18°50 | 1°41 | 12°50 | S 8 |
| M 9 | 15 31 49 | 24° 3'12 | 21°46 | 21°56 | 14°32 | 4°16 | 5°27 | 8°48 | 11°39 | 21°48 | 2° 8 | 19°54 | 18°47 | 1°47 | 12°47 | M 9 |
| T 10 | 15 35 45 | 25° 0'41 | 5♒52 | 21°23 | 15°45 | 4°58 | 5°38 | 8°54 | 11°40 | 21°47 | 2°10 | 19°51 | 18°44 | 1°54 | 12°43 | T 10 |
| W11 | 15 39 42 | 25°58'09 | 20° 2 | 20°51 | 16°58 | 5°40 | 5°50 | 9° 0 | 11°42 | 21°46 | 2°11 | 19°D49 | 18°41 | 2° 1 | 12°39 | W11 |
| T 12 | 15 43 38 | 26°55'36 | 4♓13 | 20°21 | 18°12 | 6°22 | 6° 2 | 9° 7 | 11°43 | 21°46 | 2°12 | 19°49 | 18°37 | 2° 7 | 12°35 | T 12 |
| F 13 | 15 47 35 | 27°53'03 | 18°25 | 19°53 | 19°25 | 7° 4 | 6°13 | 9°13 | 11°45 | 21°45 | 2°13 | 19°51 | 18°34 | 2°14 | 12°31 | F 13 |
| S 14 | 15 51 31 | 28°50'29 | 2♈34 | 19°28 | 20°38 | 7°46 | 6°25 | 9°20 | 11°46 | 21°45 | 2°15 | 19°52 | 18°31 | 2°21 | 12°27 | S 14 |
| S 15 | 15 55 28 | 29°47'54 | 16°39 | 19° 6 | 21°51 | 8°28 | 6°36 | 9°26 | 11°48 | 21°45 | 2°16 | 19°R53 | 18°28 | 2°27 | 12°23 | S 15 |
| M16 | 15 59 25 | 0♊45'18 | 0♉38 | 18°48 | 23° 4 | 9°10 | 6°47 | 9°33 | 11°50 | 21°44 | 2°17 | 19°52 | 18°25 | 2°34 | 12°19 | M16 |
| T 17 | 16 3 21 | 1°42'42 | 14°28 | 18°34 | 24°17 | 9°52 | 6°58 | 9°40 | 11°51 | 21°44 | 2°18 | 19°50 | 18°22 | 2°41 | 12°15 | T 17 |
| W18 | 16 7 18 | 2°40'05 | 28° 6 | 18°23 | 25°29 | 10°33 | 7°10 | 9°46 | 11°53 | 21°44 | 2°20 | 19°46 | 18°18 | 2°48 | 12°11 | W18 |
| T 19 | 16 11 14 | 3°37'27 | 11♊30 | 18°17 | 26°42 | 11°15 | 7°20 | 9°53 | 11°55 | 21°43 | 2°21 | 19°40 | 18°15 | 2°54 | 12° 7 | T 19 |
| F 20 | 16 15 11 | 4°34'48 | 24°38 | 18°D15 | 27°55 | 11°56 | 7°31 | 10° 0 | 11°57 | 21°43 | 2°22 | 19°32 | 18°12 | 3° 1 | 12° 3 | F 20 |
| S 21 | 16 19 7 | 5°32'09 | 7♋28 | 18°18 | 29° 8 | 12°38 | 7°42 | 10° 7 | 11°59 | 21°43 | 2°23 | 19°24 | 18° 9 | 3° 8 | 11°59 | S 21 |
| S 22 | 16 23 4 | 6°29'28 | 20° 2 | 18°25 | 0♌21 | 13°19 | 7°53 | 10°14 | 12° 1 | 21°43 | 2°24 | 19°17 | 18° 6 | 3°14 | 11°55 | S 22 |
| M23 | 16 27 0 | 7°26'47 | 2♌19 | 18°36 | 1°34 | 14° 0 | 8° 3 | 10°21 | 12° 3 | 21°43 | 2°25 | 19°10 | 18° 2 | 3°21 | 11°51 | M23 |
| T 24 | 16 30 57 | 8°24'04 | 14°24 | 18°52 | 2°46 | 14°41 | 8°14 | 10°28 | 12° 5 | 21°42 | 2°27 | 19° 6 | 17°59 | 3°28 | 11°47 | T 24 |
| W25 | 16 34 54 | 9°21'21 | 26°20 | 19°13 | 3°59 | 15°22 | 8°24 | 10°35 | 12° 7 | 21°42 | 2°28 | 19° 3 | 17°56 | 3°34 | 11°42 | W25 |
| T 26 | 16 38 50 | 10°18'37 | 8♍11 | 19°38 | 5°12 | 16° 3 | 8°34 | 10°42 | 12° 9 | 21°42 | 2°29 | 19°D 2 | 17°53 | 3°41 | 11°38 | T 26 |
| F 27 | 16 42 47 | 11°15'51 | 20° 2 | 20° 8 | 6°25 | 16°44 | 8°44 | 10°49 | 12°12 | 21°D42 | 2°30 | 19° 2 | 17°50 | 3°48 | 11°34 | F 27 |
| S 28 | 16 46 43 | 12°13'05 | 1♎59 | 20°41 | 7°37 | 17°25 | 8°55 | 10°56 | 12°14 | 21°42 | 2°31 | 19° 3 | 17°47 | 3°54 | 11°30 | S 28 |
| S 29 | 16 50 40 | 13°10'19 | 14° 6 | 21°20 | 8°50 | 18° 5 | 9° 4 | 11° 3 | 12°16 | 21°42 | 2°32 | 19°R 4 | 17°43 | 4° 1 | 11°26 | S 29 |
| M30 | 16 54 36 | 14° 7'31 | 26°29 | 22° 2 | 10° 2 | 18°46 | 9°14 | 11°10 | 12°18 | 21°42 | 2°33 | 19° 4 | 17°40 | 4° 8 | 11°22 | M30 |
| T 31 | 16 58 33 | 15♊ 4'43 | 9♏11 | 22♉48 | 11♋15 | 19♓26 | 9♈24 | 11♋18 | 12♌21 | 21♍42 | 2♉34 | 19♎ 2 | 17♎37 | 4♍14 | 11♐18 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n49 | 3s38 | 1s17 | 19n42 | 0n22 | 21n46 | 0n35 | 13s46 | 1s53 | 0n27 | 1s11 | 23n11 | 0s 7 | 18n 5 | 0n42 | 4n35 | 1n28 | 2s25 | 15s34 | 7s57 | 7s33 | 7n36 | 17s50 | 4n42 |
| M 2 | 17 5 | 7 25 | 0 10 | 19 20 | 0 6 | 22 1 | 0 37 | 13 33 | 1 54 | 0 32 | 1 11 | 23 11 | 0 7 | 18 5 | 0 42 | 4 36 | 1 28 | 2 25 | 15 34 | 7 58 | 7 32 | 7 35 | 17 50 | 4 42 |
| T 3 | 17 21 | 10 58 | 0n59 | 18 58 | 0s11 | 22 16 | 0 40 | 13 19 | 1 55 | 0 36 | 1 11 | 23 11 | 0 7 | 18 5 | 0 42 | 4 36 | 1 28 | 2 24 | 15 34 | 7 58 | 7 31 | 7 33 | 17 49 | 4 42 |
| W 4 | 17 37 | 14 4 | 2 6 | 18 34 | 0 28 | 22 30 | 0 42 | 13 5 | 1 57 | 0 41 | 1 11 | 23 10 | 0 7 | 18 4 | 0 42 | 4 36 | 1 28 | 2 24 | 15 34 | 7 57 | 7 30 | 7 31 | 17 48 | 4 43 |
| T 5 | 17 53 | 16 31 | 3 7 | 18 10 | 0 46 | 22 44 | 0 44 | 12 51 | 1 58 | 0 46 | 1 11 | 23 10 | 0 7 | 18 4 | 0 42 | 4 36 | 1 28 | 2 24 | 15 34 | 7 56 | 7 28 | 7 29 | 17 47 | 4 43 |
| F 6 | 18 8 | 18 8 | 4 0 | 17 45 | 1 3 | 22 57 | 0 47 | 12 36 | 1 59 | 0 50 | 1 12 | 23 10 | 0 7 | 18 3 | 0 42 | 4 37 | 1 28 | 2 23 | 15 34 | 7 54 | 7 27 | 7 27 | 17 46 | 4 43 |
| S 7 | 18 23 | 18 45 | 4 40 | 17 20 | 1 21 | 23 10 | 0 49 | 12 22 | 2 0 | 0 55 | 1 12 | 23 10 | 0 7 | 18 3 | 0 42 | 4 37 | 1 28 | 2 23 | 15 34 | 7 52 | 7 26 | 7 26 | 17 46 | 4 44 |
| S 8 | 18 38 | 18 15 | 5 5 | 16 55 | 1 38 | 23 21 | 0 51 | 12 8 | 2 1 | 1 0 | 1 12 | 23 9 | 0 7 | 18 3 | 0 42 | 4 37 | 1 28 | 2 23 | 15 34 | 7 50 | 7 25 | 7 24 | 17 45 | 4 44 |
| M 9 | 18 52 | 16 39 | 5 12 | 16 30 | 1 54 | 23 32 | 0 54 | 11 54 | 2 3 | 1 4 | 1 12 | 23 9 | 0 6 | 18 2 | 0 42 | 4 37 | 1 28 | 2 22 | 15 34 | 7 49 | 7 23 | 7 22 | 17 44 | 4 44 |
| T 10 | 19 6 | 14 3 | 5 0 | 16 6 | 2 10 | 23 43 | 0 56 | 11 39 | 2 4 | 1 9 | 1 12 | 23 9 | 0 6 | 18 2 | 0 42 | 4 37 | 1 28 | 2 22 | 15 35 | 7 48 | 7 22 | 7 20 | 17 43 | 4 45 |
| W11 | 19 20 | 10 36 | 4 30 | 15 43 | 2 25 | 23 52 | 0 58 | 11 25 | 2 5 | 1 13 | 1 12 | 23 8 | 0 6 | 18 1 | 0 41 | 4 38 | 1 28 | 2 22 | 15 35 | 7 47 | 7 21 | 7 18 | 17 42 | 4 45 |
| T 12 | 19 34 | 6 33 | 3 43 | 15 21 | 2 39 | 24 2 | 1 0 | 11 10 | 2 6 | 1 18 | 1 12 | 23 8 | 0 6 | 18 1 | 0 41 | 4 38 | 1 28 | 2 21 | 15 35 | 7 47 | 7 20 | 7 17 | 17 42 | 4 45 |
| F 13 | 19 47 | 2 6 | 2 43 | 15 1 | 2 53 | 24 10 | 1 3 | 10 56 | 2 7 | 1 22 | 1 13 | 23 8 | 0 6 | 18 0 | 0 41 | 4 38 | 1 28 | 2 21 | 15 35 | 7 48 | 7 19 | 7 15 | 17 41 | 4 46 |
| S 14 | 20 0 | 2n27 | 1 33 | 14 43 | 3 5 | 24 18 | 1 5 | 10 41 | 2 9 | 1 27 | 1 13 | 23 7 | 0 6 | 18 0 | 0 41 | 4 38 | 1 28 | 2 21 | 15 35 | 7 48 | 7 17 | 7 13 | 17 40 | 4 46 |
| S 15 | 20 12 | 6 51 | 0 18 | 14 26 | 3 16 | 24 25 | 1 7 | 10 26 | 2 10 | 1 31 | 1 13 | 23 7 | 0 6 | 17 59 | 0 41 | 4 38 | 1 28 | 2 20 | 15 35 | 7 49 | 7 16 | 7 11 | 17 39 | 4 46 |
| M16 | 20 24 | 10 50 | 0s58 | 14 12 | 3 26 | 24 31 | 1 9 | 10 11 | 2 11 | 1 35 | 1 13 | 23 7 | 0 6 | 17 59 | 0 41 | 4 38 | 1 28 | 2 20 | 15 35 | 7 48 | 7 15 | 7 9 | 17 38 | 4 47 |
| T 17 | 20 36 | 14 12 | 2 9 | 13 59 | 3 35 | 24 36 | 1 11 | 9 57 | 2 12 | 1 40 | 1 13 | 23 6 | 0 6 | 17 58 | 0 41 | 4 38 | 1 28 | 2 20 | 15 35 | 7 47 | 7 14 | 7 8 | 17 38 | 4 47 |
| W18 | 20 47 | 16 43 | 3 12 | 13 49 | 3 42 | 24 41 | 1 13 | 9 42 | 2 13 | 1 44 | 1 14 | 23 6 | 0 6 | 17 58 | 0 41 | 4 38 | 1 28 | 2 20 | 15 35 | 7 46 | 7 13 | 7 6 | 17 37 | 4 47 |
| T 19 | 20 59 | 18 15 | 4 3 | 13 42 | 3 48 | 24 45 | 1 15 | 9 27 | 2 15 | 1 48 | 1 14 | 23 5 | 0 6 | 17 57 | 0 41 | 4 38 | 1 28 | 2 19 | 15 36 | 7 44 | 7 11 | 7 4 | 17 36 | 4 47 |
| F 20 | 21 9 | 18 47 | 4 40 | 13 36 | 3 53 | 24 49 | 1 17 | 9 12 | 2 16 | 1 52 | 1 14 | 23 5 | 0 5 | 17 57 | 0 41 | 4 39 | 1 28 | 2 19 | 15 36 | 7 41 | 7 10 | 7 2 | 17 35 | 4 48 |
| S 21 | 21 20 | 18 19 | 5 1 | 13 33 | 3 57 | 24 51 | 1 18 | 8 57 | 2 17 | 1 56 | 1 14 | 23 4 | 0 5 | 17 56 | 0 41 | 4 39 | 1 28 | 2 19 | 15 36 | 7 38 | 7 9 | 7 0 | 17 35 | 4 48 |
| S 22 | 21 30 | 16 58 | 5 8 | 13 33 | 4 0 | 24 53 | 1 20 | 8 43 | 2 18 | 2 0 | 1 14 | 23 4 | 0 5 | 17 56 | 0 41 | 4 39 | 1 28 | 2 19 | 15 36 | 7 35 | 7 8 | 6 59 | 17 34 | 4 48 |
| M23 | 21 39 | 14 52 | 5 0 | 13 34 | 4 2 | 24 54 | 1 22 | 8 28 | 2 19 | 2 4 | 1 14 | 23 4 | 0 5 | 17 55 | 0 41 | 4 39 | 1 28 | 2 18 | 15 36 | 7 32 | 7 6 | 6 57 | 17 33 | 4 48 |
| T 24 | 21 48 | 12 8 | 4 39 | 13 38 | 4 2 | 24 55 | 1 24 | 8 13 | 2 20 | 2 8 | 1 15 | 23 3 | 0 5 | 17 54 | 0 41 | 4 39 | 1 28 | 2 18 | 15 36 | 7 31 | 7 5 | 6 55 | 17 32 | 4 48 |
| W25 | 21 57 | 8 57 | 4 6 | 13 44 | 4 1 | 24 55 | 1 25 | 7 58 | 2 22 | 2 12 | 1 15 | 23 3 | 0 5 | 17 54 | 0 41 | 4 39 | 1 28 | 2 18 | 15 37 | 7 29 | 7 4 | 6 53 | 17 32 | 4 49 |
| T 26 | 22 6 | 5 25 | 3 22 | 13 52 | 4 0 | 24 54 | 1 27 | 7 43 | 2 23 | 2 16 | 1 15 | 23 2 | 0 5 | 17 53 | 0 41 | 4 39 | 1 28 | 2 18 | 15 37 | 7 29 | 7 3 | 6 51 | 17 31 | 4 49 |
| F 27 | 22 14 | 1 40 | 2 30 | 14 3 | 3 57 | 24 52 | 1 28 | 7 28 | 2 24 | 2 20 | 1 15 | 23 2 | 0 5 | 17 53 | 0 41 | 4 39 | 1 27 | 2 18 | 15 37 | 7 29 | 7 2 | 6 49 | 17 30 | 4 49 |
| S 28 | 22 22 | 2s11 | 1 31 | 14 15 | 3 54 | 24 49 | 1 30 | 7 13 | 2 25 | 2 24 | 1 15 | 23 1 | 0 5 | 17 52 | 0 41 | 4 39 | 1 27 | 2 17 | 15 37 | 7 30 | 7 0 | 6 48 | 17 30 | 4 49 |
| S 29 | 22 29 | 6 0 | 0 27 | 14 29 | 3 49 | 24 46 | 1 31 | 6 58 | 2 26 | 2 27 | 1 16 | 23 1 | 0 5 | 17 51 | 0 41 | 4 39 | 1 27 | 2 17 | 15 37 | 7 30 | 6 59 | 6 46 | 17 29 | 4 49 |
| M30 | 22 36 | 9 39 | 0n40 | 14 45 | 3 44 | 24 42 | 1 32 | 6 43 | 2 27 | 2 31 | 1 16 | 23 0 | 0 4 | 17 51 | 0 41 | 4 38 | 1 27 | 2 17 | 15 37 | 7 30 | 6 58 | 6 44 | 17 28 | 4 49 |
| T 31 | 22n43 | 12s57 | 1n46 | 15n 2 | 3s38 | 24n38 | 1n34 | 6s28 | 2s28 | 2n35 | 1s16 | 23n 0 | 0s 4 | 17n50 | 0n41 | 4n38 | 1n27 | 2s17 | 15s38 | 7s29 | 6s57 | 6n42 | 17s27 | 4n50 |

Julian Day Number = 2130623.5, Delta T = 16m37s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'26, Lahiri = 11°36'26 Julian Calendar 1 May 1121 == Greg. Calendar 8 May 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## JUNE 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 2 29 | 16♊ 1'54 | 22♏14 | 23♉39 | 12♋27 | 20♓ 7 | 9♈33 | 11♋25 | 12♌23 | 21♍43 | 2♉35 | 18°R58 | 17♎34 | 4♍21 | 11°R14 | W 1 |
| T 2 | 17 6 26 | 16°59'05 | 5♐39 | 24°34 | 13°40 | 20°47 | 9°43 | 11°32 | 12°26 | 21°43 | 2°36 | 18♎51 | 17°31 | 4°28 | 11♐10 | T 2 |
| F 3 | 17 10 23 | 17°56'16 | 19°25 | 25°32 | 14°52 | 21°27 | 9°52 | 11°40 | 12°28 | 21°43 | 2°37 | 18°43 | 17°28 | 4°34 | 11° 6 | F 3 |
| S 4 | 17 14 19 | 18°53'26 | 3♑29 | 26°35 | 16° 5 | 22° 7 | 10° 1 | 11°47 | 12°31 | 21°43 | 2°38 | 18°34 | 17°24 | 4°41 | 11° 1 | S 4 |
| S 5 | 17 18 16 | 19°50'36 | 17°46 | 27°41 | 17°17 | 22°47 | 10°10 | 11°54 | 12°33 | 21°44 | 2°39 | 18°24 | 17°21 | 4°48 | 10°57 | S 5 |
| M 6 | 17 22 12 | 20°47'45 | 2♒11 | 28°51 | 18°30 | 23°27 | 10°19 | 12° 2 | 12°36 | 21°44 | 2°40 | 18°16 | 17°18 | 4°55 | 10°53 | M 6 |
| T 7 | 17 26 9 | 21°44'55 | 16°37 | 0♊ 5 | 19°42 | 24° 6 | 10°28 | 12° 9 | 12°38 | 21°44 | 2°41 | 18°10 | 17°15 | 5° 1 | 10°49 | T 7 |
| W 8 | 17 30 5 | 22°42'05 | 0♓59 | 1°22 | 20°54 | 24°46 | 10°37 | 12°17 | 12°41 | 21°45 | 2°42 | 18° 6 | 17°12 | 5° 8 | 10°45 | W 8 |
| T 9 | 17 34 2 | 23°39'14 | 15°15 | 2°43 | 22° 6 | 25°25 | 10°45 | 12°24 | 12°44 | 21°45 | 2°43 | 18° 4 | 17° 8 | 5°15 | 10°41 | T 9 |
| F 10 | 17 37 58 | 24°36'24 | 29°21 | 4° 8 | 23°19 | 26° 4 | 10°54 | 12°32 | 12°47 | 21°45 | 2°44 | 18°D 4 | 17° 5 | 5°21 | 10°38 | F 10 |
| S 11 | 17 41 55 | 25°33'34 | 13♈18 | 5°36 | 24°31 | 26°44 | 11° 2 | 12°39 | 12°49 | 21°46 | 2°45 | 18°R 4 | 17° 2 | 5°28 | 10°34 | S 11 |
| S 12 | 17 45 52 | 26°30'45 | 27° 4 | 7° 8 | 25°43 | 27°23 | 11°10 | 12°47 | 12°52 | 21°46 | 2°46 | 18° 4 | 16°59 | 5°35 | 10°30 | S 12 |
| M13 | 17 49 48 | 27°27'55 | 10♉40 | 8°43 | 26°55 | 28° 1 | 11°18 | 12°54 | 12°55 | 21°47 | 2°47 | 18° 2 | 16°56 | 5°41 | 10°26 | M13 |
| T 14 | 17 53 45 | 28°25'06 | 24° 6 | 10°21 | 28° 7 | 28°40 | 11°26 | 13° 2 | 12°58 | 21°47 | 2°48 | 17°58 | 16°53 | 5°48 | 10°22 | T 14 |
| W15 | 17 57 41 | 29°22'17 | 7♊21 | 12° 3 | 29°19 | 29°19 | 11°34 | 13°10 | 13° 1 | 21°48 | 2°48 | 17°51 | 16°49 | 5°55 | 10°18 | W15 |
| T 16 | 18 1 38 | 0♋19'28 | 20°24 | 13°48 | 0♌31 | 29°57 | 11°42 | 13°17 | 13° 4 | 21°49 | 2°49 | 17°41 | 16°46 | 6° 1 | 10°15 | T 16 |
| F 17 | 18 5 34 | 1°16'39 | 3♋15 | 15°36 | 1°43 | 0♈35 | 11°49 | 13°25 | 13° 7 | 21°49 | 2°50 | 17°29 | 16°43 | 6° 8 | 10°11 | F 17 |
| S 18 | 18 9 31 | 2°13'51 | 15°52 | 17°27 | 2°55 | 1°13 | 11°56 | 13°33 | 13°10 | 21°50 | 2°51 | 17°17 | 16°40 | 6°15 | 10° 7 | S 18 |
| S 19 | 18 13 27 | 3°11'02 | 28°16 | 19°21 | 4° 7 | 1°51 | 12° 4 | 13°40 | 13°13 | 21°51 | 2°52 | 17° 5 | 16°37 | 6°21 | 10° 4 | S 19 |
| M20 | 18 17 24 | 4° 8'14 | 10♌28 | 21°18 | 5°19 | 2°29 | 12°11 | 13°48 | 13°16 | 21°51 | 2°52 | 16°54 | 16°33 | 6°28 | 10° 0 | M20 |
| T 21 | 18 21 21 | 5° 5'25 | 22°28 | 23°17 | 6°31 | 3° 6 | 12°17 | 13°56 | 13°19 | 21°52 | 2°53 | 16°45 | 16°30 | 6°35 | 9°57 | T 21 |
| W22 | 18 25 17 | 6° 2'37 | 4♍22 | 25°18 | 7°43 | 3°43 | 12°24 | 14° 3 | 13°22 | 21°53 | 2°54 | 16°39 | 16°27 | 6°41 | 9°53 | W22 |
| T 23 | 18 29 14 | 6°59'48 | 16°11 | 27°21 | 8°55 | 4°20 | 12°31 | 14°11 | 13°25 | 21°54 | 2°55 | 16°35 | 16°24 | 6°48 | 9°50 | T 23 |
| F 24 | 18 33 10 | 7°57'00 | 28° 0 | 29°26 | 10° 6 | 4°57 | 12°37 | 14°19 | 13°29 | 21°55 | 2°55 | 16°34 | 16°21 | 6°55 | 9°47 | F 24 |
| S 25 | 18 37 7 | 8°54'12 | 9♎56 | 1♋32 | 11°18 | 5°34 | 12°43 | 14°27 | 13°32 | 21°56 | 2°56 | 16°33 | 16°18 | 7° 1 | 9°43 | S 25 |
| S 26 | 18 41 3 | 9°51'24 | 22° 2 | 3°39 | 12°30 | 6°11 | 12°49 | 14°34 | 13°35 | 21°56 | 2°57 | 16°33 | 16°14 | 7° 8 | 9°40 | S 26 |
| M27 | 18 45 0 | 10°48'36 | 4♏25 | 5°47 | 13°41 | 6°47 | 12°55 | 14°42 | 13°38 | 21°57 | 2°57 | 16°33 | 16°11 | 7°15 | 9°37 | M27 |
| T 28 | 18 48 56 | 11°45'48 | 17°10 | 7°55 | 14°53 | 7°23 | 13° 1 | 14°50 | 13°42 | 21°58 | 2°58 | 16°30 | 16° 8 | 7°21 | 9°34 | T 28 |
| W29 | 18 52 53 | 12°43'01 | 0♐19 | 10° 3 | 16° 4 | 7°59 | 13° 7 | 14°58 | 13°45 | 21°59 | 2°58 | 16°25 | 16° 5 | 7°28 | 9°31 | W29 |
| T 30 | 18 56 50 | 13♋40'13 | 13♐55 | 12♋12 | 17♌16 | 8♈35 | 13♈12 | 15♋ 6 | 13♌48 | 22♍ 0 | 2♉59 | 16♎17 | 16♎ 2 | 7♍35 | 9♐28 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n49 | 15s42 | 2n48 | 15n21 | 3s32 | 24n32 | 1n35 | 6s13 | 2s29 | 2n38 | 1s16 | 22n59 | 0s 4 | 17n49 | 0n41 | 4n38 | 1n27 | 2s17 | 15s38 | 7s28 | 6s56 | 6n40 | 17s27 | 4n50 |
| T 2 | 22 55 | 17 42 | 3 43 | 15 42 | 3 24 | 24 26 | 1 36 | 5 58 | 2 31 | 2 42 | 1 16 | 22 59 | 0 4 | 17 48 | 0 41 | 4 38 | 1 27 | 2 17 | 15 38 | 7 25 | 6 54 | 6 39 | 17 26 | 4 50 |
| F 3 | 23 0 | 18 43 | 4 26 | 16 3 | 3 16 | 24 20 | 1 37 | 5 44 | 2 32 | 2 45 | 1 17 | 22 58 | 0 4 | 17 48 | 0 41 | 4 38 | 1 27 | 2 16 | 15 38 | 7 22 | 6 53 | 6 37 | 17 25 | 4 50 |
| S 4 | 23 5 | 18 37 | 4 54 | 16 26 | 3 8 | 24 12 | 1 38 | 5 29 | 2 33 | 2 49 | 1 17 | 22 58 | 0 4 | 17 47 | 0 41 | 4 38 | 1 27 | 2 16 | 15 38 | 7 18 | 6 52 | 6 35 | 17 25 | 4 50 |
| S 5 | 23 10 | 17 20 | 5 4 | 16 50 | 2 58 | 24 4 | 1 39 | 5 14 | 2 34 | 2 52 | 1 17 | 22 57 | 0 4 | 17 46 | 0 41 | 4 38 | 1 27 | 2 16 | 15 39 | 7 15 | 6 51 | 6 33 | 17 24 | 4 50 |
| M 6 | 23 14 | 14 58 | 4 55 | 17 15 | 2 49 | 23 55 | 1 40 | 4 59 | 2 35 | 2 55 | 1 17 | 22 56 | 0 4 | 17 45 | 0 41 | 4 38 | 1 27 | 2 16 | 15 39 | 7 12 | 6 49 | 6 31 | 17 24 | 4 50 |
| T 7 | 23 18 | 11 40 | 4 28 | 17 41 | 2 39 | 23 46 | 1 41 | 4 44 | 2 36 | 2 59 | 1 17 | 22 56 | 0 4 | 17 45 | 0 41 | 4 37 | 1 27 | 2 16 | 15 39 | 7 9 | 6 48 | 6 29 | 17 23 | 4 50 |
| W 8 | 23 21 | 7 41 | 3 43 | 18 7 | 2 28 | 23 35 | 1 42 | 4 29 | 2 37 | 3 2 | 1 18 | 22 55 | 0 4 | 17 44 | 0 41 | 4 37 | 1 27 | 2 16 | 15 39 | 7 8 | 6 47 | 6 28 | 17 22 | 4 50 |
| T 9 | 23 24 | 3 18 | 2 46 | 18 34 | 2 17 | 23 24 | 1 42 | 4 15 | 2 38 | 3 5 | 1 18 | 22 55 | 0 4 | 17 43 | 0 41 | 4 37 | 1 27 | 2 16 | 15 40 | 7 7 | 6 46 | 6 26 | 17 22 | 4 50 |
| F 10 | 23 26 | 1n14 | 1 38 | 19 1 | 2 6 | 23 13 | 1 43 | 4 0 | 2 39 | 3 8 | 1 18 | 22 54 | 0 3 | 17 42 | 0 41 | 4 37 | 1 27 | 2 16 | 15 40 | 7 7 | 6 45 | 6 24 | 17 21 | 4 50 |
| S 11 | 23 29 | 5 40 | 0 25 | 19 28 | 1 54 | 23 1 | 1 43 | 3 45 | 2 40 | 3 11 | 1 18 | 22 53 | 0 3 | 17 41 | 0 41 | 4 37 | 1 27 | 2 16 | 15 40 | 7 7 | 6 43 | 6 22 | 17 21 | 4 50 |
| S 12 | 23 30 | 9 44 | 0s48 | 19 55 | 1 42 | 22 48 | 1 44 | 3 31 | 2 41 | 3 14 | 1 19 | 22 53 | 0 3 | 17 41 | 0 41 | 4 36 | 1 27 | 2 15 | 15 40 | 7 7 | 6 42 | 6 20 | 17 20 | 4 50 |
| M13 | 23 32 | 13 14 | 1 57 | 20 22 | 1 30 | 22 34 | 1 44 | 3 16 | 2 42 | 3 17 | 1 19 | 22 52 | 0 3 | 17 40 | 0 41 | 4 36 | 1 27 | 2 15 | 15 40 | 7 6 | 6 41 | 6 19 | 17 19 | 4 50 |
| T 14 | 23 32 | 16 0 | 2 59 | 20 49 | 1 18 | 22 20 | 1 44 | 3 2 | 2 43 | 3 20 | 1 19 | 22 51 | 0 3 | 17 39 | 0 41 | 4 36 | 1 27 | 2 15 | 15 41 | 7 5 | 6 40 | 6 17 | 17 19 | 4 50 |
| W15 | 23 33 | 17 51 | 3 50 | 21 15 | 1 6 | 22 6 | 1 45 | 2 47 | 2 44 | 3 23 | 1 19 | 22 51 | 0 3 | 17 38 | 0 41 | 4 36 | 1 27 | 2 15 | 15 41 | 7 2 | 6 38 | 6 15 | 17 18 | 4 50 |
| T 16 | 23 33 | 18 44 | 4 28 | 21 41 | 0 53 | 21 50 | 1 45 | 2 33 | 2 45 | 3 26 | 1 20 | 22 50 | 0 3 | 17 37 | 0 41 | 4 35 | 1 27 | 2 15 | 15 41 | 6 58 | 6 37 | 6 13 | 17 18 | 4 50 |
| F 17 | 23 33 | 18 39 | 4 52 | 22 5 | 0 41 | 21 34 | 1 45 | 2 19 | 2 46 | 3 28 | 1 20 | 22 49 | 0 3 | 17 36 | 0 41 | 4 35 | 1 27 | 2 15 | 15 41 | 6 54 | 6 36 | 6 11 | 17 17 | 4 50 |
| S 18 | 23 32 | 17 37 | 5 1 | 22 29 | 0 29 | 21 18 | 1 45 | 2 4 | 2 47 | 3 31 | 1 20 | 22 49 | 0 3 | 17 35 | 0 40 | 4 35 | 1 27 | 2 15 | 15 42 | 6 49 | 6 35 | 6 9 | 17 17 | 4 50 |
| S 19 | 23 31 | 15 47 | 4 56 | 22 51 | 0 17 | 21 1 | 1 45 | 1 50 | 2 48 | 3 33 | 1 20 | 22 48 | 0 3 | 17 35 | 0 40 | 4 34 | 1 27 | 2 15 | 15 42 | 6 44 | 6 34 | 6 8 | 17 16 | 4 50 |
| M20 | 23 29 | 13 16 | 4 37 | 23 11 | 0 5 | 20 43 | 1 44 | 1 36 | 2 49 | 3 36 | 1 21 | 22 47 | 0 3 | 17 34 | 0 40 | 4 34 | 1 26 | 2 15 | 15 42 | 6 40 | 6 32 | 6 6 | 17 16 | 4 50 |
| T 21 | 23 27 | 10 13 | 4 5 | 23 29 | 0n 6 | 20 25 | 1 44 | 1 22 | 2 50 | 3 38 | 1 21 | 22 47 | 0 2 | 17 33 | 0 40 | 4 34 | 1 26 | 2 15 | 15 42 | 6 37 | 6 31 | 6 4 | 17 15 | 4 50 |
| W22 | 23 25 | 6 48 | 3 24 | 23 46 | 0 18 | 20 6 | 1 44 | 1 8 | 2 51 | 3 41 | 1 21 | 22 46 | 0 2 | 17 32 | 0 40 | 4 33 | 1 26 | 2 15 | 15 43 | 6 34 | 6 30 | 6 2 | 17 15 | 4 50 |
| T 23 | 23 22 | 3 7 | 2 34 | 24 0 | 0 28 | 19 47 | 1 43 | 0 54 | 2 52 | 3 43 | 1 21 | 22 45 | 0 2 | 17 31 | 0 40 | 4 33 | 1 26 | 2 15 | 15 43 | 6 33 | 6 29 | 6 0 | 17 15 | 4 50 |
| F 24 | 23 19 | 0s41 | 1 37 | 24 11 | 0 38 | 19 27 | 1 43 | 0 40 | 2 53 | 3 45 | 1 22 | 22 44 | 0 2 | 17 30 | 0 40 | 4 33 | 1 26 | 2 15 | 15 43 | 6 32 | 6 27 | 5 58 | 17 14 | 4 50 |
| S 25 | 23 15 | 4 29 | 0 35 | 24 20 | 0 48 | 19 6 | 1 42 | 0 27 | 2 54 | 3 48 | 1 22 | 22 44 | 0 2 | 17 29 | 0 40 | 4 32 | 1 26 | 2 15 | 15 44 | 6 32 | 6 26 | 5 57 | 17 14 | 4 50 |
| S 26 | 23 11 | 8 10 | 0n29 | 24 27 | 0 57 | 18 46 | 1 42 | 0 13 | 2 55 | 3 50 | 1 22 | 22 43 | 0 2 | 17 28 | 0 40 | 4 32 | 1 26 | 2 15 | 15 44 | 6 32 | 6 25 | 5 55 | 17 13 | 4 50 |
| M27 | 23 6 | 11 36 | 1 33 | 24 31 | 1 5 | 18 24 | 1 41 | 0n 1 | 2 56 | 3 52 | 1 22 | 22 42 | 0 2 | 17 27 | 0 40 | 4 31 | 1 26 | 2 15 | 15 44 | 6 32 | 6 24 | 5 53 | 17 13 | 4 50 |
| T 28 | 23 2 | 14 34 | 2 34 | 24 32 | 1 13 | 18 2 | 1 40 | 0 14 | 2 57 | 3 54 | 1 23 | 22 41 | 0 2 | 17 26 | 0 40 | 4 31 | 1 26 | 2 16 | 15 44 | 6 31 | 6 22 | 5 51 | 17 13 | 4 50 |
| W29 | 22 56 | 16 54 | 3 30 | 24 30 | 1 20 | 17 40 | 1 39 | 0 27 | 2 58 | 3 56 | 1 23 | 22 41 | 0 2 | 17 25 | 0 40 | 4 31 | 1 26 | 2 16 | 15 45 | 6 29 | 6 21 | 5 49 | 17 12 | 4 50 |
| T 30 | 22n51 | 18s22 | 4n15 | 24n25 | 1n26 | 17n17 | 1n38 | 0n41 | 2s59 | 3n58 | 1s23 | 22n40 | 0s 2 | 17n24 | 0n40 | 4n30 | 1n26 | 2s16 | 15s45 | 6s26 | 6s20 | 5n47 | 17s12 | 4n50 |

Julian Day Number = 2130654.5, Delta T = 16m37s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'30, Lahiri = 11°36'30 Julian Calendar 1 June 1121 == Greg. Calendar 8 June 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## JULY 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 0 46 | 14♋37'27 | 27♐56 | 14♋19 | 18♌27 | 9♈10 | 13♈17 | 15♋13 | 13♌52 | 22♍ 2 | 2♉59 | 16°R 7 | 15♎59 | 7♍42 | 9°R25 | F 1 |
| S 2 | 19 4 43 | 15°34'41 | 12♑21 | 16°27 | 19°38 | 9°45 | 13°22 | 15°21 | 13°55 | 22° 3 | 3° 0 | 15♎56 | 15°55 | 7°48 | 9♐22 | S 2 |
| S 3 | 19 8 39 | 16°31'55 | 27° 2 | 18°33 | 20°50 | 10°20 | 13°27 | 15°29 | 13°58 | 22° 4 | 3° 0 | 15°45 | 15°52 | 7°55 | 9°19 | S 3 |
| M 4 | 19 12 36 | 17°29'10 | 11♒52 | 20°39 | 22° 1 | 10°55 | 13°32 | 15°37 | 14° 2 | 22° 5 | 3° 1 | 15°35 | 15°49 | 8° 2 | 9°16 | M 4 |
| T 5 | 19 16 32 | 18°26'26 | 26°41 | 22°43 | 23°12 | 11°30 | 13°37 | 15°44 | 14° 5 | 22° 6 | 3° 1 | 15°27 | 15°46 | 8° 8 | 9°14 | T 5 |
| W 6 | 19 20 29 | 19°23'42 | 11♓23 | 24°46 | 24°23 | 12° 4 | 13°41 | 15°52 | 14° 9 | 22° 7 | 3° 2 | 15°22 | 15°43 | 8°15 | 9°11 | W 6 |
| T 7 | 19 24 26 | 20°21'00 | 25°52 | 26°48 | 25°34 | 12°38 | 13°45 | 16° 0 | 14°12 | 22° 9 | 3° 2 | 15°19 | 15°39 | 8°22 | 9° 9 | T 7 |
| F 8 | 19 28 22 | 21°18'19 | 10♈ 5 | 28°48 | 26°45 | 13°12 | 13°49 | 16° 8 | 14°16 | 22°10 | 3° 3 | 15°18 | 15°36 | 8°28 | 9° 6 | F 8 |
| S 9 | 19 32 19 | 22°15'38 | 24° 0 | 0♌47 | 27°56 | 13°45 | 13°53 | 16°15 | 14°19 | 22°11 | 3° 3 | 15°18 | 15°33 | 8°35 | 9° 4 | S 9 |
| S 10 | 19 36 15 | 23°12'59 | 7♉38 | 2°44 | 29° 7 | 14°18 | 13°57 | 16°23 | 14°23 | 22°12 | 3° 4 | 15°18 | 15°30 | 8°42 | 9° 2 | S 10 |
| M11 | 19 40 12 | 24°10'21 | 21° 0 | 4°39 | 0♍18 | 14°51 | 14° 0 | 16°31 | 14°26 | 22°14 | 3° 4 | 15°16 | 15°27 | 8°48 | 8°59 | M11 |
| T 12 | 19 44 8 | 25° 7'45 | 4♊ 8 | 6°33 | 1°29 | 15°24 | 14° 4 | 16°39 | 14°30 | 22°15 | 3° 4 | 15°11 | 15°24 | 8°55 | 8°57 | T 12 |
| W13 | 19 48 5 | 26° 5'09 | 17° 4 | 8°26 | 2°39 | 15°56 | 14° 7 | 16°46 | 14°33 | 22°17 | 3° 5 | 15° 4 | 15°20 | 9° 2 | 8°55 | W13 |
| T 14 | 19 52 1 | 27° 2'34 | 29°48 | 10°16 | 3°50 | 16°28 | 14°10 | 16°54 | 14°37 | 22°18 | 3° 5 | 14°54 | 15°17 | 9° 8 | 8°53 | T 14 |
| F 15 | 19 55 58 | 28° 0'01 | 12♋20 | 12° 6 | 5° 1 | 17° 0 | 14°12 | 17° 2 | 14°41 | 22°19 | 3° 5 | 14°42 | 15°14 | 9°15 | 8°51 | F 15 |
| S 16 | 19 59 55 | 28°57'29 | 24°42 | 13°53 | 6°11 | 17°31 | 14°15 | 17° 9 | 14°44 | 22°21 | 3° 5 | 14°29 | 15°11 | 9°22 | 8°49 | S 16 |
| S 17 | 20 3 51 | 29°54'58 | 6♌55 | 15°39 | 7°22 | 18° 2 | 14°17 | 17°17 | 14°48 | 22°22 | 3° 6 | 14°16 | 15° 8 | 9°28 | 8°48 | S 17 |
| M18 | 20 7 48 | 0♌52'27 | 18°58 | 17°24 | 8°32 | 18°33 | 14°20 | 17°25 | 14°52 | 22°24 | 3° 6 | 14° 5 | 15° 5 | 9°35 | 8°46 | M18 |
| T 19 | 20 11 44 | 1°49'58 | 0♍53 | 19° 6 | 9°43 | 19° 3 | 14°22 | 17°32 | 14°55 | 22°25 | 3° 6 | 13°55 | 15° 1 | 9°42 | 8°44 | T 19 |
| W20 | 20 15 41 | 2°47'30 | 12°42 | 20°48 | 10°53 | 19°33 | 14°23 | 17°40 | 14°59 | 22°27 | 3° 6 | 13°49 | 14°58 | 9°48 | 8°43 | W20 |
| T 21 | 20 19 37 | 3°45'02 | 24°29 | 22°27 | 12° 3 | 20° 3 | 14°25 | 17°48 | 15° 3 | 22°29 | 3° 6 | 13°45 | 14°55 | 9°55 | 8°42 | T 21 |
| F 22 | 20 23 34 | 4°42'36 | 6♎18 | 24° 5 | 13°14 | 20°32 | 14°26 | 17°55 | 15° 6 | 22°30 | 3° 6 | 13°43 | 14°52 | 10° 2 | 8°40 | F 22 |
| S 23 | 20 27 30 | 5°40'10 | 18°12 | 25°42 | 14°24 | 21° 1 | 14°28 | 18° 3 | 15°10 | 22°32 | 3° 6 | 13°D43 | 14°49 | 10° 8 | 8°39 | S 23 |
| S 24 | 20 31 27 | 6°37'46 | 0♏17 | 27°17 | 15°34 | 21°30 | 14°29 | 18°10 | 15°14 | 22°34 | 3° 7 | 13°43 | 14°45 | 10°15 | 8°38 | S 24 |
| M25 | 20 35 23 | 7°35'22 | 12°38 | 28°50 | 16°44 | 21°58 | 14°29 | 18°18 | 15°17 | 22°35 | 3° 7 | 13°R43 | 14°42 | 10°22 | 8°37 | M25 |
| T 26 | 20 39 20 | 8°33'00 | 25°20 | 0♍22 | 17°53 | 22°26 | 14°30 | 18°25 | 15°21 | 22°37 | 3° 7 | 13°42 | 14°39 | 10°28 | 8°36 | T 26 |
| W27 | 20 43 17 | 9°30'39 | 8♐27 | 1°53 | 19° 3 | 22°53 | 14°30 | 18°33 | 15°25 | 22°39 | 3° 7 | 13°38 | 14°36 | 10°35 | 8°35 | W27 |
| T 28 | 20 47 13 | 10°28'19 | 22° 4 | 3°21 | 20°13 | 23°20 | 14°31 | 18°40 | 15°29 | 22°40 | 3°R 7 | 13°33 | 14°33 | 10°42 | 8°34 | T 28 |
| F 29 | 20 51 10 | 11°25'59 | 6♑ 9 | 4°49 | 21°23 | 23°46 | 14°R31 | 18°47 | 15°32 | 22°42 | 3° 7 | 13°25 | 14°30 | 10°48 | 8°33 | F 29 |
| S 30 | 20 55 6 | 12°23'42 | 20°42 | 6°14 | 22°32 | 24°12 | 14°30 | 18°55 | 15°36 | 22°44 | 3° 7 | 13°16 | 14°26 | 10°55 | 8°33 | S 30 |
| S 31 | 20 59 3 | 13♌21'25 | 5♒35 | 7♍38 | 23♍42 | 24♈38 | 14♈30 | 19♋ 2 | 15♌40 | 22♍46 | 3♉ 7 | 13♎ 7 | 14♎23 | 11♍ 2 | 8♐32 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n45 | 18s46 | 4n46 | 24n17 | 1n31 | 16n54 | 1n37 | 0n54 | 3s 0 | 3n59 | 1s23 | 22n39 | 0s 2 | 17n23 | 0n40 | 4n30 | 1n26 | 2s16 | 15s45 | 6s22 | 6s19 | 5n46 | 17s12 | 4n49 |
| S 2 | 22 38 | 18 0 | 5 0 | 24 7 | 1 36 | 16 31 | 1 36 | 1 7 | 3 1 | 4 1 | 1 24 | 22 38 | 0 2 | 17 22 | 0 40 | 4 29 | 1 26 | 2 16 | 15 45 | 6 18 | 6 18 | 5 44 | 17 11 | 4 49 |
| S 3 | 22 31 | 16 1 | 4 55 | 23 54 | 1 40 | 16 7 | 1 34 | 1 20 | 3 1 | 4 3 | 1 24 | 22 37 | 0 1 | 17 21 | 0 40 | 4 29 | 1 26 | 2 16 | 15 46 | 6 14 | 6 16 | 5 42 | 17 11 | 4 49 |
| M 4 | 22 24 | 12 59 | 4 30 | 23 39 | 1 43 | 15 42 | 1 33 | 1 33 | 3 2 | 4 4 | 1 24 | 22 37 | 0 1 | 17 20 | 0 40 | 4 28 | 1 26 | 2 16 | 15 46 | 6 10 | 6 15 | 5 40 | 17 11 | 4 49 |
| T 5 | 22 16 | 9 7 | 3 47 | 23 22 | 1 45 | 15 17 | 1 32 | 1 46 | 3 3 | 4 6 | 1 24 | 22 36 | 0 1 | 17 19 | 0 40 | 4 28 | 1 26 | 2 16 | 15 46 | 6 7 | 6 14 | 5 38 | 17 11 | 4 49 |
| W 6 | 22 8 | 4 43 | 2 49 | 23 2 | 1 47 | 14 52 | 1 30 | 1 58 | 3 4 | 4 7 | 1 25 | 22 35 | 0 1 | 17 18 | 0 40 | 4 27 | 1 26 | 2 16 | 15 47 | 6 5 | 6 13 | 5 36 | 17 10 | 4 49 |
| T 7 | 22 0 | 0 6 | 1 41 | 22 40 | 1 48 | 14 27 | 1 28 | 2 11 | 3 5 | 4 9 | 1 25 | 22 34 | 0 1 | 17 17 | 0 40 | 4 27 | 1 26 | 2 16 | 15 47 | 6 4 | 6 11 | 5 35 | 17 10 | 4 49 |
| F 8 | 21 51 | 4n26 | 0 28 | 22 16 | 1 48 | 14 1 | 1 27 | 2 23 | 3 5 | 4 10 | 1 25 | 22 33 | 0 1 | 17 16 | 0 40 | 4 26 | 1 26 | 2 17 | 15 47 | 6 3 | 6 10 | 5 33 | 17 10 | 4 48 |
| S 9 | 21 42 | 8 38 | 0s46 | 21 50 | 1 48 | 13 34 | 1 25 | 2 35 | 3 6 | 4 11 | 1 25 | 22 32 | 0 1 | 17 15 | 0 40 | 4 26 | 1 26 | 2 17 | 15 48 | 6 3 | 6 9 | 5 31 | 17 10 | 4 48 |
| S 10 | 21 33 | 12 18 | 1 55 | 21 23 | 1 47 | 13 8 | 1 23 | 2 48 | 3 7 | 4 13 | 1 26 | 22 32 | 0 1 | 17 14 | 0 40 | 4 25 | 1 26 | 2 17 | 15 48 | 6 3 | 6 8 | 5 29 | 17 10 | 4 48 |
| M11 | 21 23 | 15 15 | 2 57 | 20 54 | 1 45 | 12 41 | 1 21 | 3 0 | 3 8 | 4 14 | 1 26 | 22 31 | 0 1 | 17 13 | 0 40 | 4 24 | 1 26 | 2 17 | 15 48 | 6 2 | 6 7 | 5 27 | 17 10 | 4 48 |
| T 12 | 21 12 | 17 20 | 3 48 | 20 23 | 1 43 | 12 14 | 1 19 | 3 12 | 3 9 | 4 15 | 1 26 | 22 30 | 0 1 | 17 12 | 0 40 | 4 24 | 1 26 | 2 17 | 15 48 | 6 0 | 6 5 | 5 25 | 17 9 | 4 48 |
| W13 | 21 2 | 18 30 | 4 26 | 19 51 | 1 41 | 11 46 | 1 17 | 3 23 | 3 9 | 4 16 | 1 27 | 22 29 | 0 1 | 17 11 | 0 40 | 4 23 | 1 26 | 2 17 | 15 49 | 5 58 | 6 4 | 5 24 | 17 9 | 4 47 |
| T 14 | 20 51 | 18 42 | 4 51 | 19 19 | 1 37 | 11 18 | 1 15 | 3 35 | 3 10 | 4 17 | 1 27 | 22 28 | 0 0 | 17 10 | 0 40 | 4 23 | 1 26 | 2 18 | 15 49 | 5 54 | 6 3 | 5 22 | 17 9 | 4 47 |
| F 15 | 20 39 | 17 59 | 5 1 | 18 45 | 1 34 | 10 50 | 1 12 | 3 46 | 3 11 | 4 17 | 1 27 | 22 27 | 0 0 | 17 9 | 0 40 | 4 22 | 1 26 | 2 18 | 15 49 | 5 49 | 6 2 | 5 20 | 17 9 | 4 47 |
| S 16 | 20 28 | 16 25 | 4 56 | 18 10 | 1 29 | 10 22 | 1 10 | 3 58 | 3 11 | 4 18 | 1 27 | 22 26 | 0 0 | 17 8 | 0 40 | 4 22 | 1 26 | 2 18 | 15 50 | 5 44 | 6 0 | 5 18 | 17 9 | 4 47 |
| S 17 | 20 16 | 14 8 | 4 38 | 17 34 | 1 25 | 9 53 | 1 8 | 4 9 | 3 12 | 4 19 | 1 28 | 22 25 | 0 0 | 17 7 | 0 40 | 4 21 | 1 26 | 2 18 | 15 50 | 5 39 | 5 59 | 5 16 | 17 9 | 4 47 |
| M18 | 20 3 | 11 17 | 4 8 | 16 58 | 1 20 | 9 25 | 1 5 | 4 20 | 3 13 | 4 19 | 1 28 | 22 25 | 0 0 | 17 6 | 0 40 | 4 20 | 1 26 | 2 18 | 15 50 | 5 35 | 5 58 | 5 14 | 17 9 | 4 46 |
| T 19 | 19 51 | 7 59 | 3 27 | 16 20 | 1 14 | 8 56 | 1 2 | 4 31 | 3 13 | 4 20 | 1 28 | 22 24 | 0 0 | 17 4 | 0 40 | 4 20 | 1 25 | 2 19 | 15 51 | 5 31 | 5 57 | 5 13 | 17 9 | 4 46 |
| W20 | 19 38 | 4 24 | 2 37 | 15 43 | 1 9 | 8 26 | 1 0 | 4 42 | 3 14 | 4 20 | 1 29 | 22 23 | 0n 0 | 17 3 | 0 40 | 4 19 | 1 25 | 2 19 | 15 51 | 5 28 | 5 55 | 5 11 | 17 9 | 4 46 |
| T 21 | 19 24 | 0 40 | 1 41 | 15 5 | 1 2 | 7 57 | 0 57 | 4 52 | 3 15 | 4 21 | 1 29 | 22 22 | 0 0 | 17 2 | 0 40 | 4 18 | 1 25 | 2 19 | 15 51 | 5 27 | 5 54 | 5 9 | 17 9 | 4 46 |
| F 22 | 19 11 | 3s 7 | 0 39 | 14 26 | 0 56 | 7 27 | 0 54 | 5 3 | 3 15 | 4 21 | 1 29 | 22 21 | 0 0 | 17 1 | 0 40 | 4 18 | 1 25 | 2 19 | 15 51 | 5 26 | 5 53 | 5 7 | 17 9 | 4 45 |
| S 23 | 18 56 | 6 48 | 0n24 | 13 47 | 0 49 | 6 57 | 0 51 | 5 13 | 3 16 | 4 21 | 1 29 | 22 20 | 0 0 | 17 0 | 0 40 | 4 17 | 1 25 | 2 20 | 15 52 | 5 26 | 5 52 | 5 5 | 17 9 | 4 45 |
| S 24 | 18 42 | 10 16 | 1 27 | 13 8 | 0 42 | 6 27 | 0 48 | 5 23 | 3 16 | 4 21 | 1 30 | 22 19 | 0 0 | 16 59 | 0 40 | 4 16 | 1 25 | 2 20 | 15 52 | 5 26 | 5 51 | 5 3 | 17 9 | 4 45 |
| M25 | 18 27 | 13 21 | 2 28 | 12 28 | 0 35 | 5 57 | 0 45 | 5 33 | 3 17 | 4 21 | 1 30 | 22 18 | 0 0 | 16 58 | 0 40 | 4 16 | 1 25 | 2 20 | 15 52 | 5 26 | 5 49 | 5 2 | 17 9 | 4 45 |
| T 26 | 18 13 | 15 54 | 3 23 | 11 49 | 0 27 | 5 27 | 0 42 | 5 43 | 3 17 | 4 21 | 1 30 | 22 17 | 0 1 | 16 57 | 0 40 | 4 15 | 1 25 | 2 20 | 15 53 | 5 26 | 5 48 | 5 0 | 17 9 | 4 44 |
| W27 | 17 57 | 17 43 | 4 10 | 11 9 | 0 19 | 4 57 | 0 39 | 5 52 | 3 18 | 4 21 | 1 30 | 22 16 | 0 1 | 16 56 | 0 40 | 4 14 | 1 25 | 2 21 | 15 53 | 5 24 | 5 47 | 4 58 | 17 9 | 4 44 |
| T 28 | 17 42 | 18 35 | 4 44 | 10 30 | 0 11 | 4 26 | 0 35 | 6 2 | 3 18 | 4 21 | 1 31 | 22 15 | 0 1 | 16 55 | 0 40 | 4 13 | 1 25 | 2 21 | 15 53 | 5 22 | 5 46 | 4 56 | 17 10 | 4 44 |
| F 29 | 17 26 | 18 23 | 5 2 | 9 50 | 0 3 | 3 56 | 0 32 | 6 11 | 3 19 | 4 21 | 1 31 | 22 14 | 0 1 | 16 53 | 0 40 | 4 13 | 1 25 | 2 21 | 15 54 | 5 19 | 5 44 | 4 54 | 17 10 | 4 44 |
| S 30 | 17 10 | 16 58 | 5 2 | 9 11 | 0s 6 | 3 25 | 0 29 | 6 20 | 3 19 | 4 21 | 1 31 | 22 13 | 0 1 | 16 52 | 0 40 | 4 12 | 1 25 | 2 22 | 15 54 | 5 16 | 5 43 | 4 52 | 17 10 | 4 43 |
| S 31 | 16n53 | 14s24 | 4n42 | 8n31 | 0s14 | 2n54 | 0n25 | 6n29 | 3s20 | 4n20 | 1s32 | 22n13 | 0n 1 | 16n51 | 0n40 | 4n11 | 1n25 | 2s22 | 15s54 | 5s12 | 5s42 | 4n51 | 17s10 | 4n43 |

Julian Day Number = 2130684.5, Delta T = 16m36s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'34, Lahiri = 11°36'34 Julian Calendar 1 July 1121 == Greg. Calendar 8 July 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## AUGUST 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 2 59 | 14♌19'10 | 20♒41 | 9♍ 0 | 24♍51 | 25♈ 3 | 14°R30 | 19♋10 | 15♌44 | 22♍48 | 3°R 6 | 12°R59 | 14♎20 | 11♍ 8 | 8°R32 | M 1 |
| T 2 | 21 6 56 | 15°16'56 | 5♓50 | 10°21 | 26° 0 | 25°28 | 14♈29 | 19°17 | 15°47 | 22°49 | 3♉ 6 | 12♎53 | 14°17 | 11°15 | 8♐32 | T 2 |
| W 3 | 21 10 52 | 16°14'44 | 20°52 | 11°40 | 27° 9 | 25°52 | 14°28 | 19°24 | 15°51 | 22°51 | 3° 6 | 12°49 | 14°14 | 11°22 | 8°31 | W 3 |
| T 4 | 21 14 49 | 17°12'33 | 5♈39 | 12°57 | 28°19 | 26°16 | 14°27 | 19°31 | 15°55 | 22°53 | 3° 6 | 12°47 | 14°11 | 11°28 | 8°31 | T 4 |
| F 5 | 21 18 46 | 18°10'24 | 20° 5 | 14°13 | 29°28 | 26°39 | 14°25 | 19°38 | 15°58 | 22°55 | 3° 6 | 12°D47 | 14° 7 | 11°35 | 8°D31 | F 5 |
| S 6 | 21 22 42 | 19° 8'17 | 4♉ 9 | 15°26 | 0♎37 | 27° 2 | 14°24 | 19°46 | 16° 2 | 22°57 | 3° 6 | 12°48 | 14° 4 | 11°42 | 8°31 | S 6 |
| S 7 | 21 26 39 | 20° 6'12 | 17°49 | 16°38 | 1°45 | 27°24 | 14°22 | 19°53 | 16° 6 | 22°59 | 3° 6 | 12°R48 | 14° 1 | 11°48 | 8°31 | S 7 |
| M 8 | 21 30 35 | 21° 4'09 | 1♊ 8 | 17°47 | 2°54 | 27°45 | 14°20 | 20° 0 | 16°10 | 23° 1 | 3° 5 | 12°48 | 13°58 | 11°55 | 8°31 | M 8 |
| T 9 | 21 34 32 | 22° 2'08 | 14° 8 | 18°55 | 4° 3 | 28° 6 | 14°18 | 20° 7 | 16°13 | 23° 3 | 3° 5 | 12°45 | 13°55 | 12° 2 | 8°32 | T 9 |
| W10 | 21 38 28 | 23° 0'09 | 26°52 | 20° 0 | 5°11 | 28°27 | 14°15 | 20°14 | 16°17 | 23° 5 | 3° 5 | 12°41 | 13°51 | 12° 8 | 8°32 | W10 |
| T 11 | 21 42 25 | 23°58'11 | 9♋22 | 21° 3 | 6°20 | 28°47 | 14°13 | 20°21 | 16°21 | 23° 7 | 3° 5 | 12°35 | 13°48 | 12°15 | 8°33 | T 11 |
| F 12 | 21 46 21 | 24°56'16 | 21°40 | 22° 3 | 7°28 | 29° 6 | 14°10 | 20°28 | 16°25 | 23° 9 | 3° 4 | 12°27 | 13°45 | 12°22 | 8°33 | F 12 |
| S 13 | 21 50 18 | 25°54'22 | 3♌49 | 23° 1 | 8°36 | 29°25 | 14° 7 | 20°34 | 16°28 | 23°11 | 3° 4 | 12°18 | 13°42 | 12°28 | 8°34 | S 13 |
| S 14 | 21 54 15 | 26°52'30 | 15°50 | 23°56 | 9°44 | 29°43 | 14° 4 | 20°41 | 16°32 | 23°13 | 3° 4 | 12° 9 | 13°39 | 12°35 | 8°35 | S 14 |
| M15 | 21 58 11 | 27°50'40 | 27°45 | 24°48 | 10°52 | 0♉ 0 | 14° 1 | 20°48 | 16°36 | 23°15 | 3° 3 | 12° 1 | 13°36 | 12°42 | 8°35 | M15 |
| T 16 | 22 2 8 | 28°48'52 | 9♍36 | 25°37 | 12° 0 | 0°17 | 13°57 | 20°55 | 16°39 | 23°17 | 3° 3 | 11°55 | 13°32 | 12°48 | 8°36 | T 16 |
| W17 | 22 6 4 | 29°47'05 | 21°23 | 26°23 | 13° 8 | 0°33 | 13°54 | 21° 1 | 16°43 | 23°19 | 3° 2 | 11°51 | 13°29 | 12°55 | 8°37 | W17 |
| T 18 | 22 10 1 | 0♍45'20 | 3♎11 | 27° 5 | 14°16 | 0°49 | 13°50 | 21° 8 | 16°47 | 23°21 | 3° 2 | 11°49 | 13°26 | 13° 2 | 8°38 | T 18 |
| F 19 | 22 13 57 | 1°43'37 | 15° 0 | 27°43 | 15°23 | 1° 4 | 13°46 | 21°15 | 16°50 | 23°23 | 3° 1 | 11°D49 | 13°23 | 13° 8 | 8°40 | F 19 |
| S 20 | 22 17 54 | 2°41'55 | 26°56 | 28°17 | 16°31 | 1°18 | 13°41 | 21°21 | 16°54 | 23°25 | 3° 1 | 11°50 | 13°20 | 13°15 | 8°41 | S 20 |
| S 21 | 22 21 50 | 3°40'15 | 9♏ 2 | 28°47 | 17°38 | 1°31 | 13°37 | 21°28 | 16°58 | 23°27 | 3° 1 | 11°51 | 13°16 | 13°22 | 8°42 | S 21 |
| M22 | 22 25 47 | 4°38'37 | 21°23 | 29°13 | 18°45 | 1°44 | 13°32 | 21°34 | 17° 1 | 23°30 | 3° 0 | 11°53 | 13°13 | 13°28 | 8°44 | M22 |
| T 23 | 22 29 44 | 5°37'00 | 4♐ 2 | 29°33 | 19°52 | 1°56 | 13°28 | 21°40 | 17° 5 | 23°32 | 3° 0 | 11°R53 | 13°10 | 13°35 | 8°45 | T 23 |
| W24 | 22 33 40 | 6°35'25 | 17° 5 | 29°48 | 20°59 | 2° 7 | 13°23 | 21°47 | 17° 8 | 23°34 | 2°59 | 11°53 | 13° 7 | 13°42 | 8°47 | W24 |
| T 25 | 22 37 37 | 7°33'52 | 0♑35 | 29°57 | 22° 5 | 2°18 | 13°18 | 21°53 | 17°12 | 23°36 | 2°58 | 11°51 | 13° 4 | 13°48 | 8°49 | T 25 |
| F 26 | 22 41 33 | 8°32'20 | 14°33 | 0°R 0 | 23°12 | 2°27 | 13°12 | 21°59 | 17°16 | 23°38 | 2°58 | 11°47 | 13° 1 | 13°55 | 8°51 | F 26 |
| S 27 | 22 45 30 | 9°30'50 | 28°59 | 29°57 | 24°18 | 2°36 | 13° 7 | 22° 5 | 17°19 | 23°40 | 2°57 | 11°43 | 12°57 | 14° 2 | 8°53 | S 27 |
| S 28 | 22 49 26 | 10°29'22 | 13♒50 | 29°47 | 25°24 | 2°44 | 13° 1 | 22°11 | 17°23 | 23°43 | 2°57 | 11°39 | 12°54 | 14° 8 | 8°55 | S 28 |
| M29 | 22 53 23 | 11°27'55 | 28°57 | 29°31 | 26°30 | 2°52 | 12°56 | 22°17 | 17°26 | 23°45 | 2°56 | 11°35 | 12°51 | 14°15 | 8°57 | M29 |
| T 30 | 22 57 19 | 12°26'30 | 14♓12 | 29° 8 | 27°36 | 2°58 | 12°50 | 22°23 | 17°30 | 23°47 | 2°55 | 11°31 | 12°48 | 14°22 | 8°59 | T 30 |
| W31 | 23 1 16 | 13♍25'07 | 29♓25 | 28♍37 | 28♎42 | 3♉ 4 | 12♈44 | 22♋29 | 17♌33 | 23♍49 | 2♉55 | 11♎30 | 12♎45 | 14♍28 | 9♐ 1 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n37 | 10s51 | 4n 2 | 7n52 | 0s23 | 2n23 | 0n22 | 6n38 | 3s20 | 4n20 | 1s32 | 22n12 | 0n 1 | 16n50 | 0n40 | 4n11 | 1n25 | 2s22 | 15s54 | 5s 9 | 5s41 | 4n49 | 17s10 | 4n43 |
| T 2 | 16 20 | 6 33 | 3 5 | 7 13 | 0 32 | 1 52 | 0 18 | 6 47 | 3 21 | 4 19 | 1 32 | 22 11 | 0 1 | 16 49 | 0 40 | 4 10 | 1 25 | 2 23 | 15 55 | 5 7 | 5 39 | 4 47 | 17 11 | 4 43 |
| W 3 | 16 2 | 1 53 | 1 55 | 6 35 | 0 41 | 1 21 | 0 14 | 6 55 | 3 21 | 4 19 | 1 32 | 22 10 | 0 1 | 16 48 | 0 40 | 4 9 | 1 25 | 2 23 | 15 55 | 5 5 | 5 38 | 4 45 | 17 11 | 4 42 |
| T 4 | 15 45 | 2n50 | 0 38 | 5 57 | 0 51 | 0 50 | 0 10 | 7 3 | 3 21 | 4 18 | 1 33 | 22 9 | 0 1 | 16 47 | 0 40 | 4 8 | 1 25 | 2 23 | 15 55 | 5 4 | 5 37 | 4 43 | 17 11 | 4 42 |
| F 5 | 15 27 | 7 17 | 0s39 | 5 19 | 1 0 | 0 19 | 0 7 | 7 11 | 3 22 | 4 17 | 1 33 | 22 8 | 0 1 | 16 46 | 0 40 | 4 7 | 1 25 | 2 24 | 15 56 | 5 4 | 5 36 | 4 41 | 17 11 | 4 42 |
| S 6 | 15 9 | 11 12 | 1 52 | 4 42 | 1 9 | 0s12 | 0 3 | 7 19 | 3 22 | 4 16 | 1 33 | 22 7 | 0 2 | 16 45 | 0 40 | 4 7 | 1 25 | 2 24 | 15 56 | 5 5 | 5 34 | 4 39 | 17 12 | 4 41 |
| S 7 | 14 51 | 14 23 | 2 57 | 4 5 | 1 19 | 0 43 | 0s 1 | 7 27 | 3 22 | 4 15 | 1 33 | 22 6 | 0 2 | 16 43 | 0 40 | 4 6 | 1 25 | 2 24 | 15 56 | 5 5 | 5 33 | 4 38 | 17 12 | 4 41 |
| M 8 | 14 32 | 16 43 | 3 50 | 3 30 | 1 28 | 1 14 | 0 5 | 7 35 | 3 22 | 4 14 | 1 34 | 22 5 | 0 2 | 16 42 | 0 40 | 4 5 | 1 25 | 2 25 | 15 57 | 5 5 | 5 32 | 4 36 | 17 12 | 4 41 |
| T 9 | 14 14 | 18 8 | 4 30 | 2 54 | 1 38 | 1 45 | 0 9 | 7 42 | 3 23 | 4 13 | 1 34 | 22 4 | 0 2 | 16 41 | 0 40 | 4 4 | 1 25 | 2 25 | 15 57 | 5 4 | 5 31 | 4 34 | 17 12 | 4 41 |
| W10 | 13 55 | 18 35 | 4 56 | 2 20 | 1 48 | 2 16 | 0 13 | 7 49 | 3 23 | 4 12 | 1 34 | 22 3 | 0 2 | 16 40 | 0 40 | 4 4 | 1 25 | 2 25 | 15 57 | 5 2 | 5 29 | 4 32 | 17 13 | 4 40 |
| T 11 | 13 36 | 18 7 | 5 7 | 1 46 | 1 57 | 2 47 | 0 17 | 7 56 | 3 23 | 4 11 | 1 34 | 22 2 | 0 2 | 16 39 | 0 40 | 4 3 | 1 25 | 2 26 | 15 57 | 4 59 | 5 28 | 4 30 | 17 13 | 4 40 |
| F 12 | 13 16 | 16 48 | 5 4 | 1 14 | 2 7 | 3 18 | 0 22 | 8 2 | 3 23 | 4 10 | 1 35 | 22 1 | 0 2 | 16 38 | 0 40 | 4 2 | 1 25 | 2 26 | 15 58 | 4 56 | 5 27 | 4 28 | 17 14 | 4 40 |
| S 13 | 12 57 | 14 45 | 4 46 | 0 42 | 2 16 | 3 49 | 0 26 | 8 9 | 3 23 | 4 8 | 1 35 | 22 0 | 0 2 | 16 37 | 0 40 | 4 1 | 1 25 | 2 26 | 15 58 | 4 53 | 5 26 | 4 27 | 17 14 | 4 39 |
| S 14 | 12 37 | 12 5 | 4 17 | 0 12 | 2 25 | 4 20 | 0 30 | 8 15 | 3 23 | 4 7 | 1 35 | 21 59 | 0 2 | 16 36 | 0 40 | 4 0 | 1 25 | 2 27 | 15 58 | 4 50 | 5 25 | 4 25 | 17 14 | 4 39 |
| M15 | 12 17 | 8 56 | 3 36 | 0s17 | 2 35 | 4 51 | 0 35 | 8 21 | 3 23 | 4 5 | 1 35 | 21 58 | 0 2 | 16 34 | 0 40 | 3 59 | 1 25 | 2 27 | 15 59 | 4 46 | 5 23 | 4 23 | 17 15 | 4 39 |
| T 16 | 11 56 | 5 27 | 2 46 | 0 45 | 2 44 | 5 22 | 0 39 | 8 27 | 3 23 | 4 4 | 1 36 | 21 57 | 0 2 | 16 33 | 0 40 | 3 59 | 1 25 | 2 28 | 15 59 | 4 44 | 5 22 | 4 21 | 17 15 | 4 39 |
| W17 | 11 36 | 1 46 | 1 49 | 1 12 | 2 53 | 5 52 | 0 43 | 8 33 | 3 23 | 4 2 | 1 36 | 21 56 | 0 3 | 16 32 | 0 40 | 3 58 | 1 25 | 2 28 | 15 59 | 4 42 | 5 21 | 4 19 | 17 16 | 4 38 |
| T 18 | 11 15 | 1s59 | 0 47 | 1 36 | 3 1 | 6 23 | 0 48 | 8 38 | 3 23 | 4 0 | 1 36 | 21 56 | 0 3 | 16 31 | 0 40 | 3 57 | 1 25 | 2 28 | 15 59 | 4 42 | 5 20 | 4 17 | 17 16 | 4 38 |
| F 19 | 10 55 | 5 40 | 0n17 | 1 59 | 3 10 | 6 53 | 0 52 | 8 43 | 3 23 | 3 58 | 1 36 | 21 55 | 0 3 | 16 30 | 0 40 | 3 56 | 1 25 | 2 29 | 16 0 | 4 41 | 5 18 | 4 15 | 17 17 | 4 38 |
| S 20 | 10 34 | 9 10 | 1 22 | 2 20 | 3 18 | 7 24 | 0 57 | 8 48 | 3 23 | 3 57 | 1 37 | 21 54 | 0 3 | 16 29 | 0 40 | 3 55 | 1 25 | 2 29 | 16 0 | 4 42 | 5 17 | 4 14 | 17 17 | 4 37 |
| S 21 | 10 12 | 12 19 | 2 23 | 2 39 | 3 25 | 7 54 | 1 1 | 8 53 | 3 23 | 3 55 | 1 37 | 21 53 | 0 3 | 16 28 | 0 40 | 3 54 | 1 25 | 2 30 | 16 0 | 4 42 | 5 16 | 4 12 | 17 18 | 4 37 |
| M22 | 9 51 | 14 59 | 3 19 | 2 56 | 3 33 | 8 24 | 1 6 | 8 58 | 3 22 | 3 53 | 1 37 | 21 52 | 0 3 | 16 27 | 0 40 | 3 54 | 1 25 | 2 30 | 16 0 | 4 43 | 5 15 | 4 10 | 17 18 | 4 37 |
| T 23 | 9 30 | 17 0 | 4 7 | 3 10 | 3 39 | 8 53 | 1 11 | 9 2 | 3 22 | 3 51 | 1 37 | 21 51 | 0 3 | 16 26 | 0 40 | 3 53 | 1 25 | 2 30 | 16 1 | 4 43 | 5 13 | 4 8 | 17 19 | 4 37 |
| W24 | 9 8 | 18 12 | 4 44 | 3 21 | 3 45 | 9 23 | 1 15 | 9 6 | 3 22 | 3 49 | 1 37 | 21 50 | 0 3 | 16 25 | 0 40 | 3 52 | 1 25 | 2 31 | 16 1 | 4 43 | 5 12 | 4 6 | 17 19 | 4 36 |
| T 25 | 8 46 | 18 26 | 5 7 | 3 30 | 3 51 | 9 52 | 1 20 | 9 10 | 3 22 | 3 46 | 1 38 | 21 49 | 0 3 | 16 24 | 0 40 | 3 51 | 1 25 | 2 31 | 16 1 | 4 42 | 5 11 | 4 4 | 17 20 | 4 36 |
| F 26 | 8 24 | 17 35 | 5 12 | 3 35 | 3 55 | 10 22 | 1 24 | 9 14 | 3 21 | 3 44 | 1 38 | 21 48 | 0 3 | 16 23 | 0 40 | 3 50 | 1 25 | 2 32 | 16 1 | 4 41 | 5 10 | 4 3 | 17 20 | 4 36 |
| S 27 | 8 2 | 15 35 | 4 59 | 3 37 | 3 59 | 10 51 | 1 29 | 9 17 | 3 21 | 3 42 | 1 38 | 21 47 | 0 4 | 16 21 | 0 40 | 3 49 | 1 25 | 2 32 | 16 2 | 4 39 | 5 8 | 4 1 | 17 21 | 4 35 |
| S 28 | 7 40 | 12 31 | 4 25 | 3 36 | 4 1 | 11 20 | 1 34 | 9 21 | 3 20 | 3 40 | 1 38 | 21 46 | 0 4 | 16 20 | 0 40 | 3 48 | 1 25 | 2 33 | 16 2 | 4 38 | 5 7 | 3 59 | 17 21 | 4 35 |
| M29 | 7 18 | 8 34 | 3 32 | 3 30 | 4 2 | 11 48 | 1 39 | 9 24 | 3 20 | 3 37 | 1 38 | 21 46 | 0 4 | 16 19 | 0 40 | 3 48 | 1 25 | 2 33 | 16 2 | 4 36 | 5 6 | 3 57 | 17 22 | 4 35 |
| T 30 | 6 55 | 4 2 | 2 24 | 3 21 | 4 2 | 12 17 | 1 43 | 9 26 | 3 19 | 3 35 | 1 39 | 21 45 | 0 4 | 16 18 | 0 40 | 3 47 | 1 25 | 2 33 | 16 2 | 4 35 | 5 5 | 3 55 | 17 23 | 4 35 |
| W31 | 6n33 | 0n46 | 1n 6 | 3s 7 | 4s 1 | 12s45 | 1s48 | 9n29 | 3s18 | 3n32 | 1s39 | 21n44 | 0n 4 | 16n17 | 0n40 | 3n46 | 1n25 | 2s34 | 16s 3 | 4s34 | 5s 3 | 3n53 | 17s23 | 4n34 |

Julian Day Number = 2130715.5, Delta T = 16m36s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'38, Lahiri = 11°36'39 Julian Calendar 1 Aug. 1121 == Greg. Calendar 8 Aug. 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## SEPTEMBER 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 5 13 | 14♍23'47 | 14♈26 | 28°R 0 | 29♎48 | 3♉ 9 | 12°R37 | 22♋35 | 17♌37 | 23♍51 | 2°R54 | 11°D29 | 12♎42 | 14♍35 | 9♐ 4 | T 1 |
| F 2 | 23 9 9 | 15°22'28 | 29° 7 | 27♍15 | 0♏53 | 3°13 | 12♈31 | 22°40 | 17°40 | 23°54 | 2♉53 | 11♎30 | 12°38 | 14°42 | 9° 6 | F 2 |
| S 3 | 23 13 6 | 16°21'12 | 13♉24 | 26°25 | 1°58 | 3°16 | 12°25 | 22°46 | 17°43 | 23°56 | 2°53 | 11°31 | 12°35 | 14°48 | 9° 9 | S 3 |
| S 4 | 23 17 2 | 17°19'58 | 27°14 | 25°29 | 3° 3 | 3°18 | 12°18 | 22°52 | 17°47 | 23°58 | 2°52 | 11°33 | 12°32 | 14°55 | 9°11 | S 4 |
| M 5 | 23 20 59 | 18°18'46 | 10♊39 | 24°28 | 4° 8 | 3°20 | 12°11 | 22°57 | 17°50 | 24° 0 | 2°51 | 11°34 | 12°29 | 15° 2 | 9°14 | M 5 |
| T 6 | 23 24 55 | 19°17'37 | 23°40 | 23°24 | 5°12 | 3°R20 | 12° 5 | 23° 3 | 17°54 | 24° 2 | 2°50 | 11°R34 | 12°26 | 15° 8 | 9°17 | T 6 |
| W 7 | 23 28 52 | 20°16'30 | 6♋20 | 22°18 | 6°16 | 3°20 | 11°58 | 23° 8 | 17°57 | 24° 5 | 2°50 | 11°33 | 12°22 | 15°15 | 9°20 | W 7 |
| T 8 | 23 32 48 | 21°15'26 | 18°43 | 21°11 | 7°21 | 3°19 | 11°51 | 23°13 | 18° 0 | 24° 7 | 2°49 | 11°31 | 12°19 | 15°22 | 9°23 | T 8 |
| F 9 | 23 36 45 | 22°14'23 | 0♌54 | 20° 5 | 8°24 | 3°16 | 11°43 | 23°19 | 18° 3 | 24° 9 | 2°48 | 11°29 | 12°16 | 15°28 | 9°26 | F 9 |
| S 10 | 23 40 41 | 23°13'23 | 12°54 | 19° 2 | 9°28 | 3°13 | 11°36 | 23°24 | 18° 7 | 24°11 | 2°47 | 11°26 | 12°13 | 15°35 | 9°29 | S 10 |
| S 11 | 23 44 38 | 24°12'25 | 24°48 | 18° 3 | 10°31 | 3° 9 | 11°29 | 23°29 | 18°10 | 24°14 | 2°46 | 11°23 | 12°10 | 15°42 | 9°32 | S 11 |
| M12 | 23 48 35 | 25°11'30 | 6♍37 | 17°11 | 11°35 | 3° 5 | 11°21 | 23°34 | 18°13 | 24°16 | 2°45 | 11°20 | 12° 7 | 15°48 | 9°35 | M12 |
| T 13 | 23 52 31 | 26°10'36 | 18°25 | 16°26 | 12°38 | 2°59 | 11°14 | 23°39 | 18°16 | 24°18 | 2°45 | 11°18 | 12° 3 | 15°55 | 9°38 | T 13 |
| W14 | 23 56 28 | 27° 9'45 | 0♎14 | 15°51 | 13°40 | 2°52 | 11° 6 | 23°44 | 18°19 | 24°20 | 2°44 | 11°17 | 12° 0 | 16° 2 | 9°42 | W14 |
| T 15 | 0 0 24 | 28° 8'55 | 12° 5 | 15°24 | 14°43 | 2°45 | 10°58 | 23°48 | 18°22 | 24°23 | 2°43 | 11°D17 | 11°57 | 16° 8 | 9°45 | T 15 |
| F 16 | 0 4 21 | 29° 8'08 | 24° 2 | 15° 8 | 15°45 | 2°36 | 10°51 | 23°53 | 18°25 | 24°25 | 2°42 | 11°17 | 11°54 | 16°15 | 9°49 | F 16 |
| S 17 | 0 8 17 | 0♎ 7'22 | 6♏ 5 | 15°D 3 | 16°47 | 2°27 | 10°43 | 23°58 | 18°28 | 24°27 | 2°41 | 11°18 | 11°51 | 16°22 | 9°53 | S 17 |
| S 18 | 0 12 14 | 1° 6'39 | 18°19 | 15° 8 | 17°48 | 2°17 | 10°35 | 24° 2 | 18°32 | 24°29 | 2°40 | 11°19 | 11°48 | 16°28 | 9°56 | S 18 |
| M19 | 0 16 10 | 2° 5'58 | 0♐45 | 15°24 | 18°49 | 2° 6 | 10°27 | 24° 7 | 18°34 | 24°31 | 2°39 | 11°20 | 11°44 | 16°35 | 10° 0 | M19 |
| T 20 | 0 20 7 | 3° 5'18 | 13°27 | 15°50 | 19°50 | 1°54 | 10°19 | 24°11 | 18°37 | 24°34 | 2°38 | 11°21 | 11°41 | 16°41 | 10° 4 | T 20 |
| W21 | 0 24 4 | 4° 4'40 | 26°29 | 16°26 | 20°51 | 1°41 | 10°11 | 24°15 | 18°40 | 24°36 | 2°37 | 11°21 | 11°38 | 16°48 | 10° 8 | W21 |
| T 22 | 0 28 0 | 5° 4'04 | 9♑52 | 17°10 | 21°51 | 1°28 | 10° 3 | 24°19 | 18°43 | 24°38 | 2°36 | 11°R21 | 11°35 | 16°55 | 10°12 | T 22 |
| F 23 | 0 31 57 | 6° 3'30 | 23°40 | 18° 3 | 22°51 | 1°14 | 9°55 | 24°24 | 18°46 | 24°40 | 2°35 | 11°21 | 11°32 | 17° 1 | 10°16 | F 23 |
| S 24 | 0 35 53 | 7° 2'58 | 7♒51 | 19° 3 | 23°50 | 0°59 | 9°47 | 24°28 | 18°49 | 24°42 | 2°34 | 11°21 | 11°28 | 17° 8 | 10°20 | S 24 |
| S 25 | 0 39 50 | 8° 2'27 | 22°25 | 20° 9 | 24°49 | 0°44 | 9°39 | 24°31 | 18°52 | 24°45 | 2°33 | 11°20 | 11°25 | 17°15 | 10°25 | S 25 |
| M26 | 0 43 46 | 9° 1'58 | 7♓18 | 21°22 | 25°48 | 0°28 | 9°31 | 24°35 | 18°54 | 24°47 | 2°32 | 11°20 | 11°22 | 17°21 | 10°29 | M26 |
| T 27 | 0 47 43 | 10° 1'31 | 22°22 | 22°39 | 26°46 | 0°11 | 9°23 | 24°39 | 18°57 | 24°49 | 2°31 | 11°20 | 11°19 | 17°28 | 10°33 | T 27 |
| W28 | 0 51 39 | 11° 1'06 | 7♈29 | 24° 1 | 27°44 | 29♈54 | 9°14 | 24°43 | 19° 0 | 24°51 | 2°30 | 11°20 | 11°16 | 17°35 | 10°38 | W28 |
| T 29 | 0 55 36 | 12° 0'43 | 22°31 | 25°27 | 28°42 | 29°36 | 9° 6 | 24°46 | 19° 2 | 24°53 | 2°29 | 11°20 | 11°13 | 17°41 | 10°42 | T 29 |
| F 30 | 0 59 32 | 13♎ 0'22 | 7♉18 | 26♍56 | 29♏38 | 29♈17 | 8♈58 | 24♋50 | 19♌ 5 | 24♍55 | 2♉28 | 11♎20 | 11♎ 9 | 17♍48 | 10♐47 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n10 | 5n28 | 0s16 | 2s50 | 3s57 | 13s12 | 1s53 | 9n31 | 3s18 | 3n30 | 1s39 | 21n43 | 0n 4 | 16n16 | 0n41 | 3n45 | 1n25 | 2s34 | 16s 3 | 4s34 | 5s 2 | 3n51 | 17s24 | 4n34 |
| F 2 | 5 47 | 9 43 | 1 36 | 2 27 | 3 52 | 13 40 | 1 57 | 9 33 | 3 17 | 3 27 | 1 39 | 21 42 | 0 4 | 16 15 | 0 41 | 3 44 | 1 25 | 2 35 | 16 3 | 4 34 | 5 1 | 3 50 | 17 25 | 4 34 |
| S 3 | 5 25 | 13 17 | 2 47 | 2 1 | 3 46 | 14 7 | 2 2 | 9 35 | 3 16 | 3 24 | 1 39 | 21 41 | 0 4 | 16 14 | 0 41 | 3 43 | 1 25 | 2 35 | 16 3 | 4 35 | 5 0 | 3 48 | 17 25 | 4 33 |
| S 4 | 5 2 | 15 58 | 3 46 | 1 31 | 3 37 | 14 34 | 2 7 | 9 37 | 3 15 | 3 22 | 1 39 | 21 40 | 0 4 | 16 13 | 0 41 | 3 42 | 1 25 | 2 36 | 16 4 | 4 35 | 4 58 | 3 46 | 17 26 | 4 33 |
| M 5 | 4 39 | 17 41 | 4 31 | 0 57 | 3 26 | 15 1 | 2 12 | 9 38 | 3 14 | 3 19 | 1 39 | 21 40 | 0 4 | 16 12 | 0 41 | 3 41 | 1 25 | 2 36 | 16 4 | 4 36 | 4 57 | 3 44 | 17 27 | 4 33 |
| T 6 | 4 15 | 18 24 | 5 0 | 0 20 | 3 13 | 15 27 | 2 16 | 9 39 | 3 13 | 3 16 | 1 40 | 21 39 | 0 4 | 16 11 | 0 41 | 3 40 | 1 25 | 2 36 | 16 4 | 4 36 | 4 56 | 3 42 | 17 27 | 4 33 |
| W 7 | 3 52 | 18 10 | 5 14 | 0n20 | 2 59 | 15 53 | 2 21 | 9 40 | 3 12 | 3 13 | 1 40 | 21 38 | 0 5 | 16 10 | 0 41 | 3 40 | 1 25 | 2 37 | 16 4 | 4 35 | 4 55 | 3 40 | 17 28 | 4 32 |
| T 8 | 3 29 | 17 4 | 5 13 | 1 1 | 2 43 | 16 19 | 2 26 | 9 41 | 3 11 | 3 10 | 1 40 | 21 37 | 0 5 | 16 9 | 0 41 | 3 39 | 1 25 | 2 37 | 16 4 | 4 35 | 4 53 | 3 38 | 17 29 | 4 32 |
| F 9 | 3 6 | 15 12 | 4 58 | 1 44 | 2 25 | 16 45 | 2 30 | 9 41 | 3 10 | 3 7 | 1 40 | 21 36 | 0 5 | 16 8 | 0 41 | 3 38 | 1 25 | 2 38 | 16 5 | 4 34 | 4 52 | 3 37 | 17 29 | 4 32 |
| S 10 | 2 42 | 12 43 | 4 29 | 2 26 | 2 6 | 17 10 | 2 35 | 9 41 | 3 9 | 3 5 | 1 40 | 21 36 | 0 5 | 16 7 | 0 41 | 3 37 | 1 25 | 2 38 | 16 5 | 4 32 | 4 51 | 3 35 | 17 30 | 4 32 |
| S 11 | 2 19 | 9 42 | 3 50 | 3 7 | 1 46 | 17 34 | 2 40 | 9 41 | 3 7 | 3 2 | 1 40 | 21 35 | 0 5 | 16 6 | 0 41 | 3 36 | 1 25 | 2 39 | 16 5 | 4 31 | 4 50 | 3 33 | 17 31 | 4 31 |
| M12 | 1 55 | 6 20 | 3 0 | 3 46 | 1 26 | 17 59 | 2 44 | 9 41 | 3 6 | 2 59 | 1 40 | 21 34 | 0 5 | 16 5 | 0 41 | 3 35 | 1 25 | 2 39 | 16 5 | 4 30 | 4 48 | 3 31 | 17 31 | 4 31 |
| T 13 | 1 32 | 2 42 | 2 3 | 4 22 | 1 6 | 18 22 | 2 49 | 9 41 | 3 4 | 2 56 | 1 40 | 21 33 | 0 5 | 16 4 | 0 41 | 3 34 | 1 25 | 2 40 | 16 5 | 4 30 | 4 47 | 3 29 | 17 32 | 4 31 |
| W14 | 1 8 | 1s 1 | 1 1 | 4 54 | 0 46 | 18 46 | 2 53 | 9 40 | 3 3 | 2 52 | 1 40 | 21 33 | 0 5 | 16 3 | 0 41 | 3 33 | 1 25 | 2 40 | 16 6 | 4 29 | 4 46 | 3 27 | 17 33 | 4 30 |
| T 15 | 0 44 | 4 44 | 0n 4 | 5 23 | 0 26 | 19 9 | 2 58 | 9 39 | 3 1 | 2 49 | 1 40 | 21 32 | 0 5 | 16 2 | 0 41 | 3 33 | 1 25 | 2 41 | 16 6 | 4 29 | 4 45 | 3 26 | 17 34 | 4 30 |
| F 16 | 0 21 | 8 17 | 1 10 | 5 46 | 0 7 | 19 32 | 3 2 | 9 38 | 2 59 | 2 46 | 1 40 | 21 31 | 0 5 | 16 1 | 0 41 | 3 32 | 1 25 | 2 41 | 16 6 | 4 29 | 4 44 | 3 24 | 17 34 | 4 30 |
| S 17 | 0s 3 | 11 31 | 2 13 | 6 5 | 0n11 | 19 54 | 3 6 | 9 36 | 2 57 | 2 43 | 1 41 | 21 30 | 0 6 | 16 0 | 0 41 | 3 31 | 1 25 | 2 41 | 16 6 | 4 29 | 4 42 | 3 22 | 17 35 | 4 30 |
| S 18 | 0 27 | 14 18 | 3 12 | 6 18 | 0 27 | 20 16 | 3 11 | 9 34 | 2 56 | 2 40 | 1 41 | 21 30 | 0 6 | 16 0 | 0 41 | 3 30 | 1 25 | 2 42 | 16 6 | 4 30 | 4 41 | 3 20 | 17 36 | 4 29 |
| M19 | 0 50 | 16 28 | 4 2 | 6 26 | 0 43 | 20 37 | 3 15 | 9 33 | 2 54 | 2 37 | 1 41 | 21 29 | 0 6 | 15 59 | 0 41 | 3 29 | 1 25 | 2 42 | 16 6 | 4 30 | 4 40 | 3 18 | 17 37 | 4 29 |
| T 20 | 1 14 | 17 52 | 4 41 | 6 29 | 0 57 | 20 58 | 3 19 | 9 30 | 2 51 | 2 34 | 1 41 | 21 28 | 0 6 | 15 58 | 0 41 | 3 28 | 1 25 | 2 43 | 16 7 | 4 31 | 4 39 | 3 16 | 17 38 | 4 29 |
| W21 | 1 38 | 18 23 | 5 7 | 6 26 | 1 9 | 21 19 | 3 23 | 9 28 | 2 49 | 2 31 | 1 41 | 21 28 | 0 6 | 15 57 | 0 41 | 3 27 | 1 25 | 2 43 | 16 7 | 4 31 | 4 37 | 3 14 | 17 38 | 4 29 |
| T 22 | 2 1 | 17 54 | 5 18 | 6 19 | 1 20 | 21 39 | 3 27 | 9 26 | 2 47 | 2 27 | 1 41 | 21 27 | 0 6 | 15 56 | 0 41 | 3 26 | 1 25 | 2 44 | 16 7 | 4 31 | 4 36 | 3 13 | 17 39 | 4 29 |
| F 23 | 2 25 | 16 22 | 5 11 | 6 8 | 1 30 | 21 59 | 3 31 | 9 23 | 2 45 | 2 24 | 1 41 | 21 27 | 0 6 | 15 55 | 0 41 | 3 26 | 1 25 | 2 44 | 16 7 | 4 31 | 4 35 | 3 11 | 17 40 | 4 28 |
| S 24 | 2 49 | 13 48 | 4 45 | 5 51 | 1 38 | 22 18 | 3 35 | 9 20 | 2 42 | 2 21 | 1 41 | 21 26 | 0 6 | 15 54 | 0 41 | 3 25 | 1 25 | 2 45 | 16 7 | 4 30 | 4 34 | 3 9 | 17 41 | 4 28 |
| S 25 | 3 12 | 10 19 | 4 0 | 5 31 | 1 45 | 22 36 | 3 39 | 9 17 | 2 40 | 2 18 | 1 41 | 21 25 | 0 6 | 15 54 | 0 41 | 3 24 | 1 25 | 2 45 | 16 7 | 4 30 | 4 32 | 3 7 | 17 42 | 4 28 |
| M26 | 3 36 | 6 7 | 2 58 | 5 8 | 1 50 | 22 54 | 3 43 | 9 14 | 2 37 | 2 15 | 1 41 | 21 25 | 0 7 | 15 53 | 0 41 | 3 23 | 1 25 | 2 45 | 16 7 | 4 30 | 4 31 | 3 5 | 17 42 | 4 28 |
| T 27 | 3 59 | 1 27 | 1 44 | 4 41 | 1 55 | 23 12 | 3 47 | 9 10 | 2 35 | 2 12 | 1 41 | 21 24 | 0 7 | 15 52 | 0 41 | 3 22 | 1 25 | 2 46 | 16 7 | 4 30 | 4 30 | 3 3 | 17 43 | 4 27 |
| W28 | 4 23 | 3n19 | 0 21 | 4 11 | 1 58 | 23 29 | 3 50 | 9 7 | 2 32 | 2 8 | 1 41 | 21 24 | 0 7 | 15 51 | 0 41 | 3 21 | 1 25 | 2 46 | 16 8 | 4 30 | 4 29 | 3 1 | 17 44 | 4 27 |
| T 29 | 4 46 | 7 51 | 1s 2 | 3 39 | 2 0 | 23 46 | 3 54 | 9 3 | 2 29 | 2 5 | 1 40 | 21 23 | 0 7 | 15 50 | 0 41 | 3 20 | 1 25 | 2 47 | 16 8 | 4 30 | 4 27 | 3 0 | 17 45 | 4 27 |
| F 30 | 5s10 | 11n49 | 2s20 | 3n 5 | 2n 1 | 24s 2 | 3s57 | 9n 0 | 2s26 | 2n 2 | 1s40 | 21n23 | 0n 7 | 15n50 | 0n41 | 3n20 | 1n25 | 2s47 | 16s 8 | 4s30 | 4s26 | 2n58 | 17s46 | 4n27 |

Julian Day Number = 2130746.5, Delta T = 16m36s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'42, Lahiri = 11°36'43 Julian Calendar 1 Sept. 1121 == Greg. Calendar 8 Sept. 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## OCTOBER 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 3 29 | 14♎ 0'03 | 21♉44 | 28♍28 | 0♐35 | 28°R58 | 8°R50 | 24♋53 | 19♌ 7 | 24♍58 | 2°R27 | 11°R20 | 11♎ 6 | 17♍55 | 10♐52 | S 1 |
| S 2 | 1 7 26 | 14°59'47 | 5♊45 | 0♎ 2 | 1°31 | 28♈39 | 8♈42 | 24°56 | 19°10 | 25° 0 | 2♉26 | 11♎19 | 11° 3 | 18° 1 | 10°56 | S 2 |
| M 3 | 1 11 22 | 15°59'33 | 19°19 | 1°37 | 2°26 | 28°19 | 8°34 | 24°59 | 19°12 | 25° 2 | 2°25 | 11°19 | 11° 0 | 18° 8 | 11° 1 | M 3 |
| T 4 | 1 15 19 | 16°59'21 | 2♋26 | 3°14 | 3°21 | 27°59 | 8°26 | 25° 2 | 19°15 | 25° 4 | 2°24 | 11°18 | 10°57 | 18°15 | 11° 6 | T 4 |
| W 5 | 1 19 15 | 17°59'11 | 15°10 | 4°52 | 4°15 | 27°39 | 8°18 | 25° 5 | 19°17 | 25° 6 | 2°23 | 11°D18 | 10°53 | 18°21 | 11°11 | W 5 |
| T 6 | 1 23 12 | 18°59'04 | 27°34 | 6°31 | 5° 9 | 27°18 | 8°11 | 25° 8 | 19°19 | 25° 8 | 2°22 | 11°18 | 10°50 | 18°28 | 11°16 | T 6 |
| F 7 | 1 27 8 | 19°58'59 | 9♌42 | 8°10 | 6° 2 | 26°58 | 8° 3 | 25°11 | 19°22 | 25°10 | 2°21 | 11°19 | 10°47 | 18°35 | 11°21 | F 7 |
| S 8 | 1 31 5 | 20°58'56 | 21°38 | 9°50 | 6°55 | 26°37 | 7°55 | 25°13 | 19°24 | 25°12 | 2°19 | 11°19 | 10°44 | 18°41 | 11°26 | S 8 |
| S 9 | 1 35 1 | 21°58'55 | 3♍29 | 11°30 | 7°47 | 26°16 | 7°47 | 25°16 | 19°26 | 25°14 | 2°18 | 11°21 | 10°41 | 18°48 | 11°31 | S 9 |
| M10 | 1 38 58 | 22°58'56 | 15°16 | 13°10 | 8°38 | 25°55 | 7°40 | 25°18 | 19°28 | 25°16 | 2°17 | 11°22 | 10°38 | 18°55 | 11°36 | M10 |
| T 11 | 1 42 55 | 23°59'00 | 27° 5 | 14°50 | 9°28 | 25°34 | 7°32 | 25°21 | 19°30 | 25°18 | 2°16 | 11°23 | 10°34 | 19° 1 | 11°41 | T 11 |
| W12 | 1 46 51 | 24°59'05 | 8♎57 | 16°30 | 10°18 | 25°13 | 7°25 | 25°23 | 19°32 | 25°20 | 2°15 | 11°R23 | 10°31 | 19° 8 | 11°47 | W12 |
| T 13 | 1 50 48 | 25°59'13 | 20°56 | 18°10 | 11° 7 | 24°52 | 7°18 | 25°25 | 19°34 | 25°22 | 2°14 | 11°23 | 10°28 | 19°15 | 11°52 | T 13 |
| F 14 | 1 54 44 | 26°59'22 | 3♏ 3 | 19°50 | 11°55 | 24°31 | 7°10 | 25°27 | 19°36 | 25°24 | 2°13 | 11°22 | 10°25 | 19°21 | 11°57 | F 14 |
| S 15 | 1 58 41 | 27°59'33 | 15°21 | 21°29 | 12°43 | 24°10 | 7° 3 | 25°29 | 19°38 | 25°26 | 2°12 | 11°20 | 10°22 | 19°28 | 12° 3 | S 15 |
| S 16 | 2 2 37 | 28°59'46 | 27°50 | 23° 8 | 13°29 | 23°50 | 6°56 | 25°31 | 19°40 | 25°28 | 2°11 | 11°17 | 10°19 | 19°35 | 12° 8 | S 16 |
| M17 | 2 6 34 | 0♏ 0'01 | 10♐31 | 24°47 | 14°15 | 23°30 | 6°49 | 25°32 | 19°42 | 25°30 | 2° 9 | 11°15 | 10°15 | 19°41 | 12°14 | M17 |
| T 18 | 2 10 30 | 1° 0'17 | 23°26 | 26°25 | 15° 0 | 23°11 | 6°43 | 25°34 | 19°44 | 25°32 | 2° 8 | 11°12 | 10°12 | 19°48 | 12°20 | T 18 |
| W19 | 2 14 27 | 2° 0'35 | 6♑35 | 28° 3 | 15°44 | 22°52 | 6°36 | 25°35 | 19°45 | 25°34 | 2° 7 | 11° 9 | 10° 9 | 19°54 | 12°25 | W19 |
| T 20 | 2 18 24 | 3° 0'55 | 20° 0 | 29°41 | 16°26 | 22°33 | 6°30 | 25°37 | 19°47 | 25°36 | 2° 6 | 11° 8 | 10° 6 | 20° 1 | 12°31 | T 20 |
| F 21 | 2 22 20 | 4° 1'15 | 3♒42 | 1♏19 | 17° 8 | 22°15 | 6°23 | 25°38 | 19°49 | 25°38 | 2° 5 | 11°D 7 | 10° 3 | 20° 8 | 12°37 | F 21 |
| S 22 | 2 26 17 | 5° 1'38 | 17°40 | 2°56 | 17°49 | 21°57 | 6°17 | 25°39 | 19°50 | 25°40 | 2° 4 | 11° 8 | 9°59 | 20°14 | 12°42 | S 22 |
| S 23 | 2 30 13 | 6° 2'01 | 1♓55 | 4°32 | 18°28 | 21°40 | 6°11 | 25°40 | 19°52 | 25°41 | 2° 3 | 11° 9 | 9°56 | 20°21 | 12°48 | S 23 |
| M24 | 2 34 10 | 7° 2'26 | 16°25 | 6° 9 | 19° 6 | 21°24 | 6° 5 | 25°41 | 19°53 | 25°43 | 2° 2 | 11°10 | 9°53 | 20°28 | 12°54 | M24 |
| T 25 | 2 38 6 | 8° 2'53 | 1♈ 5 | 7°45 | 19°43 | 21° 8 | 5°59 | 25°42 | 19°55 | 25°45 | 2° 0 | 11°11 | 9°50 | 20°34 | 13° 0 | T 25 |
| W26 | 2 42 3 | 9° 3'21 | 15°51 | 9°21 | 20°19 | 20°53 | 5°54 | 25°42 | 19°56 | 25°47 | 1°59 | 11°R12 | 9°47 | 20°41 | 13° 6 | W26 |
| T 27 | 2 45 59 | 10° 3'50 | 0♉37 | 10°56 | 20°53 | 20°39 | 5°48 | 25°43 | 19°57 | 25°48 | 1°58 | 11°10 | 9°44 | 20°48 | 13°12 | T 27 |
| F 28 | 2 49 56 | 11° 4'21 | 15°14 | 12°31 | 21°26 | 20°25 | 5°43 | 25°43 | 19°59 | 25°50 | 1°57 | 11° 8 | 9°40 | 20°54 | 13°18 | F 28 |
| S 29 | 2 53 53 | 12° 4'53 | 29°37 | 14° 6 | 21°57 | 20°12 | 5°38 | 25°44 | 20° 0 | 25°52 | 1°56 | 11° 4 | 9°37 | 21° 1 | 13°24 | S 29 |
| S 30 | 2 57 49 | 13° 5'28 | 13♊39 | 15°41 | 22°27 | 20° 0 | 5°33 | 25°44 | 20° 1 | 25°54 | 1°55 | 10°59 | 9°34 | 21° 8 | 13°30 | S 30 |
| M31 | 3 1 46 | 14♏ 6'04 | 27♊18 | 17♏15 | 22♐55 | 19♈48 | 5♈28 | 25°R44 | 20♌ 2 | 25♍55 | 1♉54 | 10♎53 | 9♎31 | 21♍14 | 13♐36 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s33 | 14n58 | 3s26 | 2n28 | 2n 2 | 24s17 | 4s 1 | 8n56 | 2s23 | 1n59 | 1s40 | 21n22 | 0n 7 | 15n49 | 0n41 | 3n19 | 1n25 | 2s48 | 16s 8 | 4s30 | 4s25 | 2n56 | 17s47 | 4n27 |
| S 2 | 5 56 | 17 7 | 4 19 | 1 50 | 2 1 | 24 32 | 4 4 | 8 52 | 2 20 | 1 56 | 1 40 | 21 22 | 0 7 | 15 48 | 0 41 | 3 18 | 1 25 | 2 48 | 16 8 | 4 30 | 4 24 | 2 54 | 17 47 | 4 26 |
| M 3 | 6 19 | 18 13 | 4 55 | 1 11 | 2 0 | 24 47 | 4 7 | 8 48 | 2 17 | 1 53 | 1 40 | 21 21 | 0 7 | 15 47 | 0 41 | 3 17 | 1 25 | 2 48 | 16 8 | 4 30 | 4 22 | 2 52 | 17 48 | 4 26 |
| T 4 | 6 42 | 18 18 | 5 14 | 0 30 | 1 58 | 25 1 | 4 10 | 8 43 | 2 14 | 1 50 | 1 40 | 21 21 | 0 7 | 15 47 | 0 41 | 3 16 | 1 25 | 2 49 | 16 8 | 4 30 | 4 21 | 2 50 | 17 49 | 4 26 |
| W 5 | 7 5 | 17 26 | 5 17 | 0s11 | 1 55 | 25 14 | 4 13 | 8 39 | 2 11 | 1 47 | 1 40 | 21 20 | 0 8 | 15 46 | 0 41 | 3 15 | 1 25 | 2 49 | 16 8 | 4 29 | 4 20 | 2 48 | 17 50 | 4 26 |
| T 6 | 7 28 | 15 45 | 5 5 | 0 53 | 1 52 | 25 27 | 4 16 | 8 35 | 2 7 | 1 44 | 1 40 | 21 20 | 0 8 | 15 45 | 0 42 | 3 15 | 1 25 | 2 50 | 16 8 | 4 29 | 4 19 | 2 47 | 17 51 | 4 26 |
| F 7 | 7 51 | 13 25 | 4 40 | 1 36 | 1 48 | 25 39 | 4 18 | 8 30 | 2 4 | 1 41 | 1 40 | 21 19 | 0 8 | 15 44 | 0 42 | 3 14 | 1 25 | 2 50 | 16 8 | 4 30 | 4 17 | 2 45 | 17 52 | 4 26 |
| S 8 | 8 14 | 10 32 | 4 3 | 2 19 | 1 44 | 25 51 | 4 21 | 8 26 | 2 1 | 1 38 | 1 40 | 21 19 | 0 8 | 15 44 | 0 42 | 3 13 | 1 25 | 2 50 | 16 8 | 4 30 | 4 16 | 2 43 | 17 53 | 4 25 |
| S 9 | 8 36 | 7 15 | 3 15 | 3 2 | 1 40 | 26 2 | 4 23 | 8 22 | 1 57 | 1 35 | 1 40 | 21 19 | 0 8 | 15 43 | 0 42 | 3 12 | 1 25 | 2 51 | 16 8 | 4 30 | 4 15 | 2 41 | 17 53 | 4 25 |
| M10 | 8 59 | 3 41 | 2 20 | 3 46 | 1 35 | 26 12 | 4 25 | 8 17 | 1 54 | 1 32 | 1 39 | 21 18 | 0 8 | 15 42 | 0 42 | 3 11 | 1 25 | 2 51 | 16 8 | 4 31 | 4 14 | 2 39 | 17 54 | 4 25 |
| T 11 | 9 21 | 0s 2 | 1 19 | 4 29 | 1 30 | 26 22 | 4 27 | 8 13 | 1 50 | 1 29 | 1 39 | 21 18 | 0 8 | 15 42 | 0 42 | 3 11 | 1 25 | 2 52 | 16 8 | 4 31 | 4 12 | 2 37 | 17 55 | 4 25 |
| W12 | 9 43 | 3 46 | 0 13 | 5 13 | 1 25 | 26 32 | 4 29 | 8 9 | 1 47 | 1 26 | 1 39 | 21 18 | 0 8 | 15 41 | 0 42 | 3 10 | 1 25 | 2 52 | 16 8 | 4 31 | 4 11 | 2 35 | 17 56 | 4 25 |
| T 13 | 10 5 | 7 24 | 0n53 | 5 56 | 1 19 | 26 40 | 4 30 | 8 4 | 1 43 | 1 24 | 1 39 | 21 18 | 0 8 | 15 41 | 0 42 | 3 9 | 1 25 | 2 52 | 16 8 | 4 31 | 4 10 | 2 34 | 17 57 | 4 25 |
| F 14 | 10 27 | 10 45 | 1 57 | 6 40 | 1 13 | 26 49 | 4 32 | 8 0 | 1 39 | 1 21 | 1 39 | 21 17 | 0 9 | 15 40 | 0 42 | 3 8 | 1 25 | 2 53 | 16 8 | 4 31 | 4 9 | 2 32 | 17 58 | 4 24 |
| S 15 | 10 49 | 13 41 | 2 57 | 7 23 | 1 7 | 26 56 | 4 33 | 7 56 | 1 36 | 1 18 | 1 39 | 21 17 | 0 9 | 15 40 | 0 42 | 3 8 | 1 26 | 2 53 | 16 8 | 4 30 | 4 7 | 2 30 | 17 58 | 4 24 |
| S 16 | 11 10 | 16 2 | 3 50 | 8 5 | 1 1 | 27 4 | 4 34 | 7 52 | 1 32 | 1 16 | 1 39 | 21 17 | 0 9 | 15 39 | 0 42 | 3 7 | 1 26 | 2 54 | 16 8 | 4 29 | 4 6 | 2 28 | 17 59 | 4 24 |
| M17 | 11 31 | 17 39 | 4 31 | 8 48 | 0 55 | 27 10 | 4 35 | 7 48 | 1 29 | 1 13 | 1 38 | 21 17 | 0 9 | 15 38 | 0 42 | 3 6 | 1 26 | 2 54 | 16 8 | 4 28 | 4 5 | 2 26 | 18 0 | 4 24 |
| T 18 | 11 53 | 18 23 | 5 0 | 9 29 | 0 48 | 27 16 | 4 36 | 7 44 | 1 25 | 1 11 | 1 38 | 21 16 | 0 9 | 15 38 | 0 42 | 3 5 | 1 26 | 2 54 | 16 8 | 4 27 | 4 4 | 2 24 | 18 1 | 4 24 |
| W19 | 12 14 | 18 9 | 5 14 | 10 11 | 0 42 | 27 22 | 4 36 | 7 41 | 1 21 | 1 8 | 1 38 | 21 16 | 0 9 | 15 37 | 0 42 | 3 5 | 1 26 | 2 55 | 16 8 | 4 26 | 4 2 | 2 22 | 18 2 | 4 24 |
| T 20 | 12 34 | 16 55 | 5 12 | 10 52 | 0 35 | 27 26 | 4 36 | 7 37 | 1 18 | 1 6 | 1 38 | 21 16 | 0 9 | 15 37 | 0 42 | 3 4 | 1 26 | 2 55 | 16 8 | 4 25 | 4 1 | 2 21 | 18 3 | 4 24 |
| F 21 | 12 55 | 14 42 | 4 51 | 11 32 | 0 29 | 27 31 | 4 36 | 7 34 | 1 14 | 1 3 | 1 38 | 21 16 | 0 9 | 15 36 | 0 42 | 3 3 | 1 26 | 2 55 | 16 8 | 4 25 | 4 0 | 2 19 | 18 3 | 4 24 |
| S 22 | 13 15 | 11 35 | 4 14 | 12 12 | 0 22 | 27 34 | 4 36 | 7 30 | 1 10 | 1 1 | 1 37 | 21 16 | 0 9 | 15 36 | 0 42 | 3 3 | 1 26 | 2 56 | 16 8 | 4 25 | 3 58 | 2 17 | 18 4 | 4 23 |
| S 23 | 13 36 | 7 44 | 3 20 | 12 51 | 0 15 | 27 37 | 4 36 | 7 27 | 1 7 | 0 59 | 1 37 | 21 16 | 0 10 | 15 36 | 0 42 | 3 2 | 1 26 | 2 56 | 16 8 | 4 26 | 3 57 | 2 15 | 18 5 | 4 23 |
| M24 | 13 56 | 3 21 | 2 12 | 13 30 | 0 9 | 27 40 | 4 35 | 7 25 | 1 3 | 0 57 | 1 37 | 21 16 | 0 10 | 15 35 | 0 42 | 3 1 | 1 26 | 2 56 | 16 8 | 4 26 | 3 56 | 2 13 | 18 6 | 4 23 |
| T 25 | 14 15 | 1n17 | 0 55 | 14 8 | 0 2 | 27 42 | 4 34 | 7 22 | 0 59 | 0 55 | 1 37 | 21 16 | 0 10 | 15 35 | 0 42 | 3 1 | 1 26 | 2 57 | 16 8 | 4 27 | 3 55 | 2 11 | 18 7 | 4 23 |
| W26 | 14 35 | 5 52 | 0s26 | 14 45 | 0s 5 | 27 44 | 4 33 | 7 20 | 0 56 | 0 53 | 1 36 | 21 16 | 0 10 | 15 34 | 0 42 | 3 0 | 1 26 | 2 57 | 16 8 | 4 27 | 3 53 | 2 9 | 18 8 | 4 23 |
| T 27 | 14 54 | 10 6 | 1 45 | 15 21 | 0 11 | 27 44 | 4 31 | 7 17 | 0 52 | 0 51 | 1 36 | 21 16 | 0 10 | 15 34 | 0 42 | 2 59 | 1 26 | 2 57 | 16 8 | 4 26 | 3 52 | 2 8 | 18 8 | 4 23 |
| F 28 | 15 13 | 13 41 | 2 56 | 15 57 | 0 18 | 27 45 | 4 29 | 7 16 | 0 49 | 0 49 | 1 36 | 21 16 | 0 10 | 15 34 | 0 42 | 2 59 | 1 26 | 2 58 | 16 8 | 4 25 | 3 51 | 2 6 | 18 9 | 4 23 |
| S 29 | 15 32 | 16 20 | 3 55 | 16 32 | 0 25 | 27 45 | 4 27 | 7 14 | 0 45 | 0 47 | 1 36 | 21 16 | 0 10 | 15 33 | 0 42 | 2 58 | 1 26 | 2 58 | 16 8 | 4 24 | 3 50 | 2 4 | 18 10 | 4 23 |
| S 30 | 15 50 | 17 57 | 4 38 | 17 6 | 0 31 | 27 44 | 4 24 | 7 12 | 0 42 | 0 45 | 1 35 | 21 16 | 0 10 | 15 33 | 0 42 | 2 57 | 1 26 | 2 58 | 16 8 | 4 22 | 3 48 | 2 2 | 18 11 | 4 23 |
| M31 | 16s 9 | 18n28 | 5s 4 | 17s40 | 0s37 | 27s42 | 4s21 | 7n11 | 0s39 | 0n44 | 1s35 | 21n16 | 0n11 | 15n33 | 0n43 | 2n57 | 1n26 | 2s58 | 16s 8 | 4s20 | 3s47 | 2n 0 | 18s12 | 4n23 |

Julian Day Number = 2130776.5, Delta T = 16m36s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'46, Lahiri = 11°36'47 Julian Calendar 1 Oct. 1121 == Greg. Calendar 8 Oct. 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## NOVEMBER 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 5 42 | 15♏ 6'41 | 10♋31 | 18♏49 | 23♐22 | 19°R37 | 5°R24 | 25°R44 | 20♌ 3 | 25♍57 | 1°R53 | 10°R48 | 9♎28 | 21♍21 | 13♐42 | T 1 |
| W 2 | 3 9 39 | 16° 7'20 | 23°19 | 20°24 | 23°47 | 19♈27 | 5♈19 | 25♋44 | 20° 4 | 25°58 | 1♉52 | 10♎45 | 9°25 | 21°28 | 13°49 | W 2 |
| T 3 | 3 13 35 | 17° 8'01 | 5♌46 | 21°57 | 24°10 | 19°18 | 5°15 | 25°44 | 20° 5 | 26° 0 | 1°50 | 10°42 | 9°21 | 21°34 | 13°55 | T 3 |
| F 4 | 3 17 32 | 18° 8'44 | 17°56 | 23°31 | 24°31 | 19°10 | 5°11 | 25°43 | 20° 6 | 26° 1 | 1°49 | 10°D41 | 9°18 | 21°41 | 14° 1 | F 4 |
| S 5 | 3 21 28 | 19° 9'28 | 29°53 | 25° 5 | 24°50 | 19° 2 | 5° 7 | 25°43 | 20° 7 | 26° 3 | 1°48 | 10°42 | 9°15 | 21°48 | 14° 7 | S 5 |
| S 6 | 3 25 25 | 20°10'14 | 11♍43 | 26°38 | 25° 8 | 18°55 | 5° 4 | 25°42 | 20° 8 | 26° 4 | 1°47 | 10°43 | 9°12 | 21°54 | 14°14 | S 6 |
| M 7 | 3 29 22 | 21°11'01 | 23°30 | 28°11 | 25°23 | 18°50 | 5° 0 | 25°42 | 20° 8 | 26° 6 | 1°46 | 10°45 | 9° 9 | 22° 1 | 14°20 | M 7 |
| T 8 | 3 33 18 | 22°11'50 | 5♎20 | 29°45 | 25°37 | 18°44 | 4°57 | 25°41 | 20° 9 | 26° 7 | 1°45 | 10°R46 | 9° 5 | 22° 8 | 14°26 | T 8 |
| W 9 | 3 37 15 | 23°12'41 | 17°17 | 1♐18 | 25°48 | 18°40 | 4°54 | 25°40 | 20°10 | 26° 9 | 1°44 | 10°46 | 9° 2 | 22°14 | 14°33 | W 9 |
| T 10 | 3 41 11 | 24°13'33 | 29°24 | 2°51 | 25°57 | 18°37 | 4°51 | 25°39 | 20°10 | 26°10 | 1°43 | 10°44 | 8°59 | 22°21 | 14°39 | T 10 |
| F 11 | 3 45 8 | 25°14'26 | 11♏44 | 4°23 | 26° 3 | 18°34 | 4°48 | 25°38 | 20°11 | 26°12 | 1°42 | 10°40 | 8°56 | 22°28 | 14°46 | F 11 |
| S 12 | 3 49 4 | 26°15'20 | 24°18 | 5°56 | 26° 8 | 18°32 | 4°46 | 25°37 | 20°11 | 26°13 | 1°41 | 10°34 | 8°53 | 22°34 | 14°52 | S 12 |
| S 13 | 3 53 1 | 27°16'16 | 7♐ 7 | 7°29 | 26°R10 | 18°31 | 4°44 | 25°35 | 20°11 | 26°14 | 1°40 | 10°26 | 8°50 | 22°41 | 14°59 | S 13 |
| M14 | 3 56 57 | 28°17'12 | 20°11 | 9° 1 | 26° 9 | 18°D31 | 4°42 | 25°34 | 20°12 | 26°15 | 1°39 | 10°17 | 8°46 | 22°47 | 15° 5 | M14 |
| T 15 | 4 0 54 | 29°18'10 | 3♑28 | 10°34 | 26° 7 | 18°31 | 4°40 | 25°32 | 20°12 | 26°17 | 1°38 | 10° 8 | 8°43 | 22°54 | 15°12 | T 15 |
| W16 | 4 4 51 | 0♐19'08 | 16°57 | 12° 6 | 26° 1 | 18°33 | 4°38 | 25°31 | 20°12 | 26°18 | 1°37 | 10° 1 | 8°40 | 23° 1 | 15°18 | W16 |
| T 17 | 4 8 47 | 1°20'08 | 0♒37 | 13°38 | 25°54 | 18°35 | 4°37 | 25°29 | 20°12 | 26°19 | 1°36 | 9°55 | 8°37 | 23° 7 | 15°25 | T 17 |
| F 18 | 4 12 44 | 2°21'08 | 14°25 | 15°10 | 25°43 | 18°38 | 4°36 | 25°27 | 20°12 | 26°20 | 1°35 | 9°51 | 8°34 | 23°14 | 15°31 | F 18 |
| S 19 | 4 16 40 | 3°22'08 | 28°21 | 16°42 | 25°31 | 18°42 | 4°35 | 25°25 | 20°R12 | 26°21 | 1°34 | 9°D49 | 8°30 | 23°21 | 15°38 | S 19 |
| S 20 | 4 20 37 | 4°23'09 | 12♓25 | 18°14 | 25°15 | 18°46 | 4°34 | 25°23 | 20°12 | 26°22 | 1°33 | 9°49 | 8°27 | 23°27 | 15°45 | S 20 |
| M21 | 4 24 33 | 5°24'11 | 26°35 | 19°45 | 24°58 | 18°51 | 4°33 | 25°21 | 20°12 | 26°24 | 1°32 | 9°50 | 8°24 | 23°34 | 15°51 | M21 |
| T 22 | 4 28 30 | 6°25'13 | 10♈51 | 21°16 | 24°38 | 18°57 | 4°33 | 25°18 | 20°12 | 26°25 | 1°31 | 9°R51 | 8°21 | 23°41 | 15°58 | T 22 |
| W23 | 4 32 26 | 7°26'16 | 25°10 | 22°47 | 24°15 | 19° 4 | 4°D33 | 25°16 | 20°12 | 26°26 | 1°31 | 9°50 | 8°18 | 23°47 | 16° 5 | W23 |
| T 24 | 4 36 23 | 8°27'19 | 9♉28 | 24°17 | 23°51 | 19°11 | 4°33 | 25°13 | 20°12 | 26°27 | 1°30 | 9°46 | 8°15 | 23°54 | 16°11 | T 24 |
| F 25 | 4 40 20 | 9°28'23 | 23°42 | 25°46 | 23°24 | 19°19 | 4°33 | 25°11 | 20°11 | 26°27 | 1°29 | 9°40 | 8°11 | 24° 1 | 16°18 | F 25 |
| S 26 | 4 44 16 | 10°29'28 | 7♊46 | 27°14 | 22°56 | 19°28 | 4°33 | 25° 8 | 20°11 | 26°28 | 1°28 | 9°31 | 8° 8 | 24° 7 | 16°25 | S 26 |
| S 27 | 4 48 13 | 11°30'33 | 21°36 | 28°42 | 22°26 | 19°37 | 4°34 | 25° 5 | 20°11 | 26°29 | 1°27 | 9°21 | 8° 5 | 24°14 | 16°31 | S 27 |
| M28 | 4 52 9 | 12°31'39 | 5♋ 7 | 0♑ 9 | 21°54 | 19°47 | 4°35 | 25° 2 | 20°10 | 26°30 | 1°26 | 9°10 | 8° 2 | 24°21 | 16°38 | M28 |
| T 29 | 4 56 6 | 13°32'45 | 18°17 | 1°34 | 21°20 | 19°58 | 4°36 | 24°59 | 20°10 | 26°31 | 1°25 | 8°59 | 7°59 | 24°27 | 16°45 | T 29 |
| W30 | 5 0 2 | 14♐33'52 | 1♌ 6 | 2♑58 | 20♐46 | 20♈ 9 | 4♈37 | 24♋56 | 20♌ 9 | 26♍32 | 1♉25 | 8♎49 | 7♎56 | 24♍34 | 16♐51 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s27 | 17n57 | 5s12 | 18s12 | 0s44 | 27s41 | 4s18 | 7n10 | 0s35 | 0n42 | 1s35 | 21n16 | 0n11 | 15n32 | 0n43 | 2n56 | 1n26 | 2s59 | 16s 8 | 4s18 | 3s46 | 1n58 | 18s12 | 4n23 |
| W 2 | 16 44 | 16 31 | 5 5 | 18 44 | 0 50 | 27 38 | 4 14 | 7 9 | 0 32 | 0 41 | 1 35 | 21 16 | 0 11 | 15 32 | 0 43 | 2 56 | 1 26 | 2 59 | 16 8 | 4 16 | 3 45 | 1 56 | 18 13 | 4 23 |
| T 3 | 17 2 | 14 20 | 4 43 | 19 15 | 0 56 | 27 35 | 4 10 | 7 9 | 0 29 | 0 39 | 1 34 | 21 16 | 0 11 | 15 32 | 0 43 | 2 55 | 1 26 | 2 59 | 16 7 | 4 15 | 3 43 | 1 55 | 18 14 | 4 23 |
| F 4 | 17 19 | 11 35 | 4 9 | 19 44 | 1 2 | 27 32 | 4 6 | 7 9 | 0 26 | 0 38 | 1 34 | 21 17 | 0 11 | 15 32 | 0 43 | 2 54 | 1 26 | 2 59 | 16 7 | 4 15 | 3 42 | 1 53 | 18 15 | 4 23 |
| S 5 | 17 36 | 8 22 | 3 25 | 20 13 | 1 8 | 27 28 | 4 1 | 7 9 | 0 22 | 0 37 | 1 34 | 21 17 | 0 11 | 15 31 | 0 43 | 2 54 | 1 26 | 3 0 | 16 7 | 4 15 | 3 41 | 1 51 | 18 15 | 4 22 |
| S 6 | 17 52 | 4 52 | 2 32 | 20 41 | 1 14 | 27 23 | 3 56 | 7 9 | 0 19 | 0 35 | 1 34 | 21 17 | 0 11 | 15 31 | 0 43 | 2 53 | 1 26 | 3 0 | 16 7 | 4 16 | 3 40 | 1 49 | 18 16 | 4 22 |
| M 7 | 18 8 | 1 10 | 1 33 | 21 8 | 1 19 | 27 18 | 3 50 | 7 9 | 0 16 | 0 34 | 1 33 | 21 17 | 0 11 | 15 31 | 0 43 | 2 53 | 1 26 | 3 0 | 16 7 | 4 17 | 3 38 | 1 47 | 18 17 | 4 22 |
| T 8 | 18 24 | 2s35 | 0 30 | 21 34 | 1 25 | 27 12 | 3 44 | 7 10 | 0 13 | 0 33 | 1 33 | 21 18 | 0 11 | 15 31 | 0 43 | 2 52 | 1 26 | 3 0 | 16 7 | 4 17 | 3 37 | 1 45 | 18 18 | 4 22 |
| W 9 | 18 40 | 6 16 | 0n35 | 21 59 | 1 30 | 27 6 | 3 37 | 7 11 | 0 10 | 0 32 | 1 33 | 21 18 | 0 12 | 15 31 | 0 43 | 2 52 | 1 27 | 3 1 | 16 7 | 4 17 | 3 36 | 1 44 | 18 18 | 4 22 |
| T 10 | 18 55 | 9 46 | 1 39 | 22 22 | 1 35 | 26 59 | 3 30 | 7 13 | 0 8 | 0 31 | 1 32 | 21 18 | 0 12 | 15 30 | 0 43 | 2 51 | 1 27 | 3 1 | 16 7 | 4 16 | 3 35 | 1 42 | 18 19 | 4 22 |
| F 11 | 19 10 | 12 53 | 2 40 | 22 45 | 1 40 | 26 52 | 3 22 | 7 14 | 0 5 | 0 31 | 1 32 | 21 19 | 0 12 | 15 30 | 0 43 | 2 51 | 1 27 | 3 1 | 16 6 | 4 15 | 3 33 | 1 40 | 18 20 | 4 22 |
| S 12 | 19 24 | 15 29 | 3 33 | 23 6 | 1 44 | 26 44 | 3 14 | 7 16 | 0 2 | 0 30 | 1 32 | 21 19 | 0 12 | 15 30 | 0 43 | 2 50 | 1 27 | 3 1 | 16 6 | 4 12 | 3 32 | 1 38 | 18 21 | 4 22 |
| S 13 | 19 38 | 17 22 | 4 17 | 23 27 | 1 49 | 26 35 | 3 6 | 7 18 | 0n 1 | 0 29 | 1 32 | 21 19 | 0 12 | 15 30 | 0 43 | 2 50 | 1 27 | 3 1 | 16 6 | 4 9 | 3 31 | 1 36 | 18 21 | 4 22 |
| M14 | 19 52 | 18 23 | 4 49 | 23 46 | 1 53 | 26 26 | 2 56 | 7 20 | 0 3 | 0 29 | 1 31 | 21 20 | 0 12 | 15 30 | 0 43 | 2 49 | 1 27 | 3 1 | 16 6 | 4 6 | 3 30 | 1 34 | 18 22 | 4 22 |
| T 15 | 20 6 | 18 25 | 5 5 | 24 4 | 1 57 | 26 16 | 2 47 | 7 23 | 0 6 | 0 28 | 1 31 | 21 20 | 0 12 | 15 30 | 0 43 | 2 49 | 1 27 | 3 2 | 16 6 | 4 2 | 3 28 | 1 32 | 18 23 | 4 22 |
| W16 | 20 19 | 17 26 | 5 5 | 24 20 | 2 0 | 26 6 | 2 37 | 7 26 | 0 8 | 0 28 | 1 31 | 21 21 | 0 12 | 15 30 | 0 43 | 2 48 | 1 27 | 3 2 | 16 6 | 3 59 | 3 27 | 1 31 | 18 23 | 4 22 |
| T 17 | 20 31 | 15 26 | 4 48 | 24 35 | 2 4 | 25 55 | 2 26 | 7 29 | 0 11 | 0 28 | 1 30 | 21 21 | 0 13 | 15 30 | 0 43 | 2 48 | 1 27 | 3 2 | 16 5 | 3 57 | 3 26 | 1 29 | 18 24 | 4 22 |
| F 18 | 20 44 | 12 32 | 4 13 | 24 49 | 2 7 | 25 43 | 2 15 | 7 32 | 0 13 | 0 27 | 1 30 | 21 21 | 0 13 | 15 30 | 0 43 | 2 48 | 1 27 | 3 2 | 16 5 | 3 55 | 3 25 | 1 27 | 18 25 | 4 23 |
| S 19 | 20 56 | 8 55 | 3 24 | 25 2 | 2 9 | 25 31 | 2 3 | 7 36 | 0 16 | 0 27 | 1 30 | 21 22 | 0 13 | 15 30 | 0 43 | 2 47 | 1 27 | 3 2 | 16 5 | 3 54 | 3 23 | 1 25 | 18 25 | 4 23 |
| S 20 | 21 7 | 4 45 | 2 22 | 25 13 | 2 12 | 25 18 | 1 51 | 7 40 | 0 18 | 0 27 | 1 29 | 21 22 | 0 13 | 15 30 | 0 43 | 2 47 | 1 27 | 3 2 | 16 5 | 3 54 | 3 22 | 1 23 | 18 26 | 4 23 |
| M21 | 21 18 | 0 17 | 1 11 | 25 22 | 2 14 | 25 5 | 1 38 | 7 44 | 0 20 | 0 27 | 1 29 | 21 23 | 0 13 | 15 30 | 0 43 | 2 46 | 1 27 | 3 2 | 16 5 | 3 55 | 3 21 | 1 21 | 18 26 | 4 23 |
| T 22 | 21 29 | 4n14 | 0s 5 | 25 30 | 2 15 | 24 51 | 1 25 | 7 48 | 0 22 | 0 28 | 1 29 | 21 24 | 0 13 | 15 30 | 0 44 | 2 46 | 1 27 | 3 2 | 16 4 | 3 55 | 3 20 | 1 19 | 18 27 | 4 23 |
| W23 | 21 39 | 8 31 | 1 21 | 25 37 | 2 16 | 24 37 | 1 11 | 7 52 | 0 24 | 0 28 | 1 28 | 21 24 | 0 13 | 15 30 | 0 44 | 2 46 | 1 27 | 3 3 | 16 4 | 3 55 | 3 18 | 1 18 | 18 28 | 4 23 |
| T 24 | 21 49 | 12 19 | 2 32 | 25 42 | 2 17 | 24 21 | 0 57 | 7 57 | 0 26 | 0 28 | 1 28 | 21 25 | 0 13 | 15 31 | 0 44 | 2 45 | 1 27 | 3 3 | 16 4 | 3 53 | 3 17 | 1 16 | 18 28 | 4 23 |
| F 25 | 21 58 | 15 22 | 3 32 | 25 46 | 2 17 | 24 6 | 0 43 | 8 2 | 0 28 | 0 28 | 1 28 | 21 25 | 0 14 | 15 31 | 0 44 | 2 45 | 1 27 | 3 3 | 16 4 | 3 51 | 3 16 | 1 14 | 18 29 | 4 23 |
| S 26 | 22 7 | 17 27 | 4 19 | 25 48 | 2 17 | 23 50 | 0 28 | 8 7 | 0 30 | 0 29 | 1 27 | 21 26 | 0 14 | 15 31 | 0 44 | 2 45 | 1 27 | 3 3 | 16 3 | 3 47 | 3 15 | 1 12 | 18 29 | 4 23 |
| S 27 | 22 16 | 18 28 | 4 49 | 25 48 | 2 16 | 23 33 | 0 13 | 8 13 | 0 32 | 0 29 | 1 27 | 21 26 | 0 14 | 15 31 | 0 44 | 2 44 | 1 27 | 3 3 | 16 3 | 3 43 | 3 13 | 1 10 | 18 30 | 4 23 |
| M28 | 22 24 | 18 24 | 5 3 | 25 47 | 2 14 | 23 16 | 0n 2 | 8 18 | 0 34 | 0 30 | 1 27 | 21 27 | 0 14 | 15 31 | 0 44 | 2 44 | 1 28 | 3 3 | 16 3 | 3 39 | 3 12 | 1 8 | 18 31 | 4 23 |
| T 29 | 22 32 | 17 21 | 5 0 | 25 44 | 2 12 | 22 58 | 0 18 | 8 24 | 0 36 | 0 31 | 1 27 | 21 28 | 0 14 | 15 31 | 0 44 | 2 44 | 1 28 | 3 3 | 16 3 | 3 35 | 3 11 | 1 6 | 18 31 | 4 23 |
| W30 | 22s39 | 15n26 | 4s41 | 25s40 | 2s 9 | 22s40 | 0n33 | 8n30 | 0n38 | 0n32 | 1s26 | 21n28 | 0n14 | 15n32 | 0n44 | 2n44 | 1n28 | 3s 3 | 16s 2 | 3s31 | 3s 9 | 1n 5 | 18s32 | 4n23 |

Julian Day Number = 2130807.5, Delta T = 16m35s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'51, Lahiri = 11°36'51 Julian Calendar 1 Nov. 1121 == Greg. Calendar 8 Nov. 1121


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# ASTRODIENST EPHEMERIS for the year 1121
# geocentric

## DECEMBER 1121 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 3 59 | 15♐35'00 | 13♌34 | 4♏19 | 20°R11 | 20♈21 | 4♈39 | 24°R53 | 20°R 8 | 26♍32 | 1°R24 | 8°R42 | 7♎52 | 24♍41 | 16♐58 | T 1 |
| F 2 | 5 7 55 | 16°36'09 | 25°46 | 5°39 | 19♐35 | 20°33 | 4°40 | 24♋50 | 20♌ 8 | 26°33 | 1♉23 | 8♎37 | 7°49 | 24°47 | 17° 5 | F 2 |
| S 3 | 5 11 52 | 17°37'18 | 7♍44 | 6°56 | 18°58 | 20°46 | 4°42 | 24°47 | 20° 7 | 26°34 | 1°22 | 8°35 | 7°46 | 24°54 | 17°11 | S 3 |
| S 4 | 5 15 49 | 18°38'28 | 19°34 | 8°10 | 18°22 | 21° 0 | 4°44 | 24°43 | 20° 6 | 26°35 | 1°22 | 8°D35 | 7°43 | 25° 0 | 17°18 | S 4 |
| M 5 | 5 19 45 | 19°39'39 | 1♎21 | 9°21 | 17°45 | 21°14 | 4°47 | 24°40 | 20° 5 | 26°35 | 1°21 | 8°35 | 7°40 | 25° 7 | 17°25 | M 5 |
| T 6 | 5 23 42 | 20°40'50 | 13°12 | 10°27 | 17° 9 | 21°29 | 4°49 | 24°36 | 20° 5 | 26°36 | 1°20 | 8°R35 | 7°36 | 25°14 | 17°31 | T 6 |
| W 7 | 5 27 38 | 21°42'01 | 25°11 | 11°29 | 16°34 | 21°44 | 4°52 | 24°32 | 20° 4 | 26°36 | 1°20 | 8°34 | 7°33 | 25°20 | 17°38 | W 7 |
| T 8 | 5 31 35 | 22°43'13 | 7♏23 | 12°25 | 15°59 | 22° 0 | 4°55 | 24°29 | 20° 3 | 26°37 | 1°19 | 8°30 | 7°30 | 25°27 | 17°45 | T 8 |
| F 9 | 5 35 31 | 23°44'26 | 19°52 | 13°15 | 15°25 | 22°16 | 4°58 | 24°25 | 20° 2 | 26°37 | 1°18 | 8°24 | 7°27 | 25°34 | 17°51 | F 9 |
| S 10 | 5 39 28 | 24°45'39 | 2♑40 | 13°58 | 14°53 | 22°33 | 5° 1 | 24°21 | 20° 0 | 26°38 | 1°18 | 8°15 | 7°24 | 25°40 | 17°58 | S 10 |
| S 11 | 5 43 24 | 25°46'52 | 15°48 | 14°32 | 14°22 | 22°50 | 5° 5 | 24°17 | 19°59 | 26°38 | 1°17 | 8° 3 | 7°21 | 25°47 | 18° 5 | S 11 |
| M12 | 5 47 21 | 26°48'05 | 29°15 | 14°58 | 13°53 | 23° 8 | 5° 8 | 24°13 | 19°58 | 26°38 | 1°17 | 7°50 | 7°17 | 25°54 | 18°11 | M12 |
| T 13 | 5 51 18 | 27°49'18 | 12♑59 | 15°14 | 13°25 | 23°26 | 5°12 | 24° 9 | 19°57 | 26°39 | 1°16 | 7°37 | 7°14 | 26° 0 | 18°18 | T 13 |
| W14 | 5 55 14 | 28°50'32 | 26°55 | 15°R19 | 13° 0 | 23°45 | 5°16 | 24° 5 | 19°55 | 26°39 | 1°15 | 7°25 | 7°11 | 26° 7 | 18°24 | W14 |
| T 15 | 5 59 11 | 29°51'45 | 11♒ 0 | 15°13 | 12°36 | 24° 4 | 5°21 | 24° 0 | 19°54 | 26°39 | 1°15 | 7°16 | 7° 8 | 26°14 | 18°31 | T 15 |
| F 16 | 6 3 7 | 0♑52'57 | 25° 8 | 14°56 | 12°15 | 24°23 | 5°25 | 23°56 | 19°53 | 26°40 | 1°14 | 7° 9 | 7° 5 | 26°20 | 18°37 | F 16 |
| S 17 | 6 7 4 | 1°54'10 | 9♓17 | 14°26 | 11°56 | 24°43 | 5°30 | 23°52 | 19°51 | 26°40 | 1°14 | 7° 6 | 7° 2 | 26°27 | 18°44 | S 17 |
| S 18 | 6 11 0 | 2°55'22 | 23°24 | 13°45 | 11°40 | 25° 4 | 5°35 | 23°47 | 19°50 | 26°40 | 1°13 | 7° 4 | 6°58 | 26°34 | 18°51 | S 18 |
| M19 | 6 14 57 | 3°56'33 | 7♈29 | 12°53 | 11°26 | 25°24 | 5°40 | 23°43 | 19°48 | 26°40 | 1°13 | 7° 4 | 6°55 | 26°40 | 18°57 | M19 |
| T 20 | 6 18 53 | 4°57'44 | 21°30 | 11°51 | 11°14 | 25°46 | 5°45 | 23°38 | 19°47 | 26°40 | 1°13 | 7° 4 | 6°52 | 26°47 | 19° 4 | T 20 |
| W21 | 6 22 50 | 5°58'54 | 5♉27 | 10°41 | 11° 5 | 26° 7 | 5°50 | 23°34 | 19°45 | 26°40 | 1°12 | 7° 2 | 6°49 | 26°53 | 19°10 | W21 |
| T 22 | 6 26 47 | 7° 0'04 | 19°20 | 9°26 | 10°58 | 26°29 | 5°56 | 23°29 | 19°43 | 26°R40 | 1°12 | 6°57 | 6°46 | 27° 0 | 19°16 | T 22 |
| F 23 | 6 30 43 | 8° 1'13 | 3♊ 6 | 8° 7 | 10°54 | 26°51 | 6° 2 | 23°25 | 19°42 | 26°40 | 1°11 | 6°50 | 6°42 | 27° 7 | 19°23 | F 23 |
| S 24 | 6 34 40 | 9° 2'21 | 16°44 | 6°47 | 10°D52 | 27°14 | 6° 7 | 23°20 | 19°40 | 26°40 | 1°11 | 6°39 | 6°39 | 27°13 | 19°29 | S 24 |
| S 25 | 6 38 36 | 10° 3'29 | 0♋10 | 5°29 | 10°53 | 27°37 | 6°14 | 23°15 | 19°38 | 26°40 | 1°11 | 6°27 | 6°36 | 27°20 | 19°36 | S 25 |
| M26 | 6 42 33 | 11° 4'37 | 13°23 | 4°15 | 10°56 | 28° 0 | 6°20 | 23°11 | 19°36 | 26°40 | 1°10 | 6°13 | 6°33 | 27°27 | 19°42 | M26 |
| T 27 | 6 46 29 | 12° 5'44 | 26°20 | 3° 7 | 11° 2 | 28°24 | 6°26 | 23° 6 | 19°34 | 26°40 | 1°10 | 5°59 | 6°30 | 27°33 | 19°48 | T 27 |
| W28 | 6 50 26 | 13° 6'51 | 9♌ 0 | 2° 6 | 11°10 | 28°48 | 6°33 | 23° 1 | 19°32 | 26°40 | 1°10 | 5°48 | 6°27 | 27°40 | 19°55 | W28 |
| T 29 | 6 54 23 | 14° 7'57 | 21°24 | 1°14 | 11°20 | 29°12 | 6°40 | 22°56 | 19°31 | 26°40 | 1°10 | 5°38 | 6°23 | 27°47 | 20° 1 | T 29 |
| F 30 | 6 58 19 | 15° 9'02 | 3♍33 | 0°31 | 11°32 | 29°37 | 6°46 | 22°51 | 19°29 | 26°39 | 1° 9 | 5°31 | 6°20 | 27°53 | 20° 7 | F 30 |
| S 31 | 7 2 16 | 16♑10'08 | 15♍30 | 29♐57 | 11♐47 | 0♉ 1 | 6♈54 | 22♋46 | 19♌26 | 26♍39 | 1♉ 9 | 5♎27 | 6♎17 | 28♍ 0 | 20♐13 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22s46 | 12n50 | 4s10 | 25s34 | 2s 6 | 22s22 | 0n49 | 8n36 | 0n40 | 0n32 | 1s26 | 21n29 | 0n14 | 15n32 | 0n44 | 2n43 | 1n28 | 3s 3 | 16s 2 | 3s28 | 3s 8 | 1n 3 | 18s32 | 4n24 | |
| F 2 | 22 52 | 9 44 | 3 27 | 25 27 | 2 1 | 22 4 | 1 5 | 8 42 | 0 41 | 0 33 | 1 26 | 21 30 | 0 14 | 15 32 | 0 44 | 2 43 | 1 28 | 3 3 | 16 2 | 3 26 | 3 7 | 1 1 | 18 33 | 4 24 | |
| S 3 | 22 58 | 6 17 | 2 37 | 25 18 | 1 56 | 21 45 | 1 20 | 8 49 | 0 43 | 0 35 | 1 25 | 21 31 | 0 15 | 15 32 | 0 44 | 2 43 | 1 28 | 3 3 | 16 2 | 3 25 | 3 6 | 0 59 | 18 33 | 4 24 | |
| S 4 | 23 4 | 2 38 | 1 40 | 25 7 | 1 50 | 21 27 | 1 36 | 8 55 | 0 44 | 0 36 | 1 25 | 21 31 | 0 15 | 15 33 | 0 44 | 2 43 | 1 28 | 3 3 | 16 1 | 3 25 | 3 4 | 0 57 | 18 34 | 4 24 | |
| M 5 | 23 9 | 1s 8 | 0 38 | 24 56 | 1 43 | 21 8 | 1 51 | 9 2 | 0 46 | 0 37 | 1 25 | 21 32 | 0 15 | 15 33 | 0 44 | 2 42 | 1 28 | 3 3 | 16 1 | 3 25 | 3 3 | 0 55 | 18 34 | 4 24 | |
| T 6 | 23 13 | 4 51 | 0n25 | 24 43 | 1 35 | 20 50 | 2 6 | 9 9 | 0 48 | 0 38 | 1 24 | 21 33 | 0 15 | 15 33 | 0 44 | 2 42 | 1 28 | 3 3 | 16 1 | 3 25 | 3 2 | 0 53 | 18 35 | 4 24 | |
| W 7 | 23 17 | 8 26 | 1 27 | 24 28 | 1 26 | 20 32 | 2 21 | 9 16 | 0 49 | 0 39 | 1 24 | 21 34 | 0 15 | 15 34 | 0 44 | 2 42 | 1 28 | 3 3 | 16 1 | 3 25 | 3 1 | 0 52 | 18 35 | 4 24 | |
| T 8 | 23 21 | 11 44 | 2 27 | 24 13 | 1 15 | 20 14 | 2 35 | 9 23 | 0 50 | 0 41 | 1 24 | 21 34 | 0 15 | 15 34 | 0 44 | 2 42 | 1 28 | 3 3 | 16 0 | 3 23 | 2 59 | 0 50 | 18 36 | 4 24 | |
| F 9 | 23 24 | 14 34 | 3 20 | 23 57 | 1 4 | 19 57 | 2 49 | 9 31 | 0 52 | 0 42 | 1 23 | 21 35 | 0 15 | 15 34 | 0 44 | 2 42 | 1 28 | 3 3 | 16 0 | 3 21 | 2 58 | 0 48 | 18 36 | 4 25 | |
| S 10 | 23 27 | 16 47 | 4 5 | 23 40 | 0 51 | 19 40 | 3 2 | 9 38 | 0 53 | 0 44 | 1 23 | 21 36 | 0 15 | 15 35 | 0 44 | 2 42 | 1 28 | 3 3 | 16 0 | 3 17 | 2 57 | 0 46 | 18 36 | 4 25 | |
| S 11 | 23 29 | 18 10 | 4 39 | 23 22 | 0 37 | 19 24 | 3 15 | 9 46 | 0 55 | 0 46 | 1 23 | 21 37 | 0 16 | 15 35 | 0 44 | 2 42 | 1 28 | 3 3 | 15 59 | 3 13 | 2 56 | 0 44 | 18 37 | 4 25 | |
| M12 | 23 31 | 18 36 | 4 57 | 23 5 | 0 22 | 19 8 | 3 27 | 9 54 | 0 56 | 0 48 | 1 22 | 21 38 | 0 16 | 15 36 | 0 44 | 2 41 | 1 28 | 3 2 | 15 59 | 3 7 | 2 54 | 0 42 | 18 37 | 4 25 | |
| T 13 | 23 32 | 17 57 | 4 59 | 22 47 | 0 6 | 18 54 | 3 39 | 10 2 | 0 57 | 0 49 | 1 22 | 21 39 | 0 16 | 15 36 | 0 44 | 2 41 | 1 28 | 3 2 | 15 59 | 3 2 | 2 53 | 0 40 | 18 38 | 4 25 | |
| W14 | 23 33 | 16 14 | 4 44 | 22 29 | 0n11 | 18 39 | 3 50 | 10 10 | 0 58 | 0 51 | 1 22 | 21 39 | 0 16 | 15 36 | 0 44 | 2 41 | 1 28 | 3 2 | 15 59 | 2 58 | 2 52 | 0 39 | 18 38 | 4 26 | |
| T 15 | 23 33 | 13 32 | 4 11 | 22 12 | 0 29 | 18 26 | 4 1 | 10 18 | 0 59 | 0 53 | 1 21 | 21 40 | 0 16 | 15 37 | 0 44 | 2 41 | 1 29 | 3 2 | 15 58 | 2 54 | 2 51 | 0 37 | 18 38 | 4 26 | |
| F 16 | 23 33 | 10 2 | 3 22 | 21 55 | 0 48 | 18 14 | 4 11 | 10 26 | 1 1 | 0 55 | 1 21 | 21 41 | 0 16 | 15 37 | 0 44 | 2 41 | 1 29 | 3 2 | 15 58 | 2 51 | 2 49 | 0 35 | 18 39 | 4 26 | |
| S 17 | 23 32 | 5 57 | 2 21 | 21 39 | 1 7 | 18 2 | 4 20 | 10 34 | 1 2 | 0 57 | 1 21 | 21 42 | 0 16 | 15 38 | 0 45 | 2 41 | 1 29 | 3 2 | 15 58 | 2 50 | 2 48 | 0 33 | 18 39 | 4 26 | |
| S 18 | 23 31 | 1 32 | 1 12 | 21 24 | 1 27 | 17 51 | 4 28 | 10 43 | 1 3 | 1 0 | 1 21 | 21 43 | 0 16 | 15 38 | 0 45 | 2 41 | 1 29 | 3 2 | 15 57 | 2 49 | 2 47 | 0 31 | 18 39 | 4 26 | |
| M19 | 23 29 | 2n57 | 0s 2 | 21 10 | 1 46 | 17 42 | 4 36 | 10 52 | 1 4 | 1 2 | 1 20 | 21 44 | 0 17 | 15 39 | 0 45 | 2 41 | 1 29 | 3 2 | 15 57 | 2 49 | 2 46 | 0 29 | 18 40 | 4 27 | |
| T 20 | 23 27 | 7 15 | 1 16 | 20 57 | 2 5 | 17 33 | 4 44 | 11 0 | 1 5 | 1 4 | 1 20 | 21 45 | 0 17 | 15 39 | 0 45 | 2 41 | 1 29 | 3 1 | 15 57 | 2 49 | 2 44 | 0 27 | 18 40 | 4 27 | |
| W21 | 23 25 | 11 8 | 2 24 | 20 46 | 2 22 | 17 25 | 4 50 | 11 9 | 1 6 | 1 7 | 1 20 | 21 46 | 0 17 | 15 40 | 0 45 | 2 41 | 1 29 | 3 1 | 15 56 | 2 48 | 2 43 | 0 26 | 18 40 | 4 27 | |
| T 22 | 23 22 | 14 23 | 3 23 | 20 35 | 2 38 | 17 18 | 4 57 | 11 18 | 1 7 | 1 9 | 1 19 | 21 46 | 0 17 | 15 41 | 0 45 | 2 41 | 1 29 | 3 1 | 15 56 | 2 46 | 2 42 | 0 24 | 18 41 | 4 27 | |
| F 23 | 23 18 | 16 47 | 4 10 | 20 27 | 2 52 | 17 12 | 5 2 | 11 27 | 1 8 | 1 12 | 1 19 | 21 47 | 0 17 | 15 41 | 0 45 | 2 41 | 1 29 | 3 1 | 15 56 | 2 43 | 2 41 | 0 22 | 18 41 | 4 27 | |
| S 24 | 23 14 | 18 12 | 4 43 | 20 19 | 3 3 | 17 7 | 5 7 | 11 36 | 1 9 | 1 14 | 1 19 | 21 48 | 0 17 | 15 42 | 0 45 | 2 41 | 1 29 | 3 1 | 15 55 | 2 39 | 2 39 | 0 20 | 18 41 | 4 28 | |
| S 25 | 23 10 | 18 35 | 4 58 | 20 14 | 3 13 | 17 2 | 5 11 | 11 45 | 1 9 | 1 17 | 1 19 | 21 49 | 0 17 | 15 42 | 0 45 | 2 41 | 1 29 | 3 1 | 15 55 | 2 34 | 2 38 | 0 18 | 18 41 | 4 28 | |
| M26 | 23 5 | 17 56 | 4 58 | 20 9 | 3 20 | 16 59 | 5 15 | 11 54 | 1 10 | 1 20 | 1 18 | 21 50 | 0 17 | 15 43 | 0 45 | 2 42 | 1 29 | 3 0 | 15 55 | 2 29 | 2 37 | 0 16 | 18 41 | 4 28 | |
| T 27 | 23 0 | 16 22 | 4 42 | 20 7 | 3 24 | 16 56 | 5 19 | 12 4 | 1 11 | 1 23 | 1 18 | 21 51 | 0 17 | 15 44 | 0 45 | 2 42 | 1 29 | 3 0 | 15 54 | 2 23 | 2 35 | 0 14 | 18 42 | 4 28 | |
| W28 | 22 54 | 14 2 | 4 12 | 20 6 | 3 26 | 16 55 | 5 22 | 12 13 | 1 12 | 1 25 | 1 18 | 21 52 | 0 18 | 15 44 | 0 45 | 2 42 | 1 29 | 3 0 | 15 54 | 2 19 | 2 34 | 0 13 | 18 42 | 4 29 | |
| T 29 | 22 48 | 11 7 | 3 31 | 20 7 | 3 25 | 16 54 | 5 24 | 12 22 | 1 13 | 1 28 | 1 17 | 21 53 | 0 18 | 15 45 | 0 45 | 2 42 | 1 29 | 3 0 | 15 54 | 2 15 | 2 33 | 0 11 | 18 42 | 4 29 | |
| F 30 | 22 41 | 7 46 | 2 40 | 20 10 | 3 23 | 16 53 | 5 26 | 12 32 | 1 13 | 1 31 | 1 17 | 21 54 | 0 18 | 15 46 | 0 45 | 2 42 | 1 29 | 2 59 | 15 53 | 2 12 | 2 32 | 0 9 | 18 42 | 4 29 | |
| S 31 | 22s34 | 4n 9 | 1s44 | 20s14 | 3n19 | 16s54 | 5n27 | 12n41 | 1n14 | 1n34 | 1s17 | 21n55 | 0n18 | 15n46 | 0n45 | 2n42 | 1n29 | 2s59 | 15s53 | 2s11 | 2s30 | 0n 7 | 18s42 | 4n30 | |

Julian Day Number = 2130837.5, Delta T = 16m35s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'55, Lahiri = 11°36'55 Julian Calendar 1 Dec. 1121 == Greg. Calendar 8 Dec. 1121


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## JANUARY 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 6 12 | 17♑11'12 | 27♍20 | 29°R33 | 12♐ 3 | 0♉26 | 7♈ 1 | 22°R42 | 19°R24 | 26°R39 | 1°R 9 | 5°R26 | 6♎14 | 28♍ 7 | 20♐19 | S 1 |
| M 2 | 7 10 9 | 18°12'16 | 9♎ 7 | 29♐17 | 12°22 | 0°52 | 7° 8 | 22♋37 | 19♌22 | 26♍38 | 1♉ 9 | 5°D25 | 6°11 | 28°13 | 20°26 | M 2 |
| T 3 | 7 14 5 | 19°13'20 | 20°57 | 29°D11 | 12°43 | 1°17 | 7°16 | 22°32 | 19°20 | 26°38 | 1° 9 | 5°R26 | 6° 8 | 28°20 | 20°32 | T 3 |
| W 4 | 7 18 2 | 20°14'23 | 2♏55 | 29°13 | 13° 5 | 1°43 | 7°23 | 22°27 | 19°18 | 26°38 | 1° 9 | 5♎25 | 6° 4 | 28°27 | 20°38 | W 4 |
| T 5 | 7 21 58 | 21°15'26 | 15° 7 | 29°22 | 13°29 | 2°10 | 7°31 | 22°22 | 19°16 | 26°37 | 1° 9 | 5°22 | 6° 1 | 28°33 | 20°44 | T 5 |
| F 6 | 7 25 55 | 22°16'28 | 27°39 | 29°39 | 13°56 | 2°36 | 7°39 | 22°17 | 19°14 | 26°37 | 1° 8 | 5°17 | 5°58 | 28°40 | 20°50 | F 6 |
| S 7 | 7 29 52 | 23°17'30 | 10♐32 | 0♑ 2 | 14°23 | 3° 3 | 7°47 | 22°12 | 19°11 | 26°36 | 1° 8 | 5°10 | 5°55 | 28°46 | 20°56 | S 7 |
| S 8 | 7 33 48 | 24°18'31 | 23°50 | 0°31 | 14°53 | 3°30 | 7°56 | 22° 7 | 19° 9 | 26°36 | 1°D 8 | 5° 0 | 5°52 | 28°53 | 21° 2 | S 8 |
| M 9 | 7 37 45 | 25°19'31 | 7♑33 | 1° 6 | 15°24 | 3°57 | 8° 4 | 22° 2 | 19° 7 | 26°35 | 1° 8 | 4°48 | 5°48 | 29° 0 | 21° 7 | M 9 |
| T 10 | 7 41 41 | 26°20'30 | 21°37 | 1°45 | 15°56 | 4°24 | 8°13 | 21°57 | 19° 4 | 26°34 | 1° 8 | 4°37 | 5°45 | 29° 6 | 21°13 | T 10 |
| W11 | 7 45 38 | 27°21'28 | 5♒59 | 2°29 | 16°30 | 4°52 | 8°21 | 21°52 | 19° 2 | 26°34 | 1° 9 | 4°26 | 5°42 | 29°13 | 21°19 | W11 |
| T 12 | 7 49 34 | 28°22'25 | 20°31 | 3°17 | 17° 6 | 5°20 | 8°30 | 21°47 | 19° 0 | 26°33 | 1° 9 | 4°17 | 5°39 | 29°20 | 21°25 | T 12 |
| F 13 | 7 53 31 | 29°23'20 | 5♓ 6 | 4° 9 | 17°42 | 5°48 | 8°39 | 21°43 | 18°57 | 26°32 | 1° 9 | 4°11 | 5°36 | 29°26 | 21°30 | F 13 |
| S 14 | 7 57 27 | 0♒24'15 | 19°39 | 5° 4 | 18°20 | 6°16 | 8°48 | 21°38 | 18°55 | 26°32 | 1° 9 | 4° 8 | 5°33 | 29°33 | 21°36 | S 14 |
| S 15 | 8 1 24 | 1°25'08 | 4♈ 5 | 6° 3 | 18°59 | 6°44 | 8°58 | 21°33 | 18°52 | 26°31 | 1° 9 | 4°D 7 | 5°29 | 29°40 | 21°42 | S 15 |
| M16 | 8 5 21 | 2°25'59 | 18°19 | 7° 4 | 19°40 | 7°13 | 9° 7 | 21°28 | 18°50 | 26°30 | 1° 9 | 4° 8 | 5°26 | 29°46 | 21°47 | M16 |
| T 17 | 8 9 17 | 3°26'49 | 2♉22 | 8° 7 | 20°21 | 7°42 | 9°17 | 21°23 | 18°47 | 26°29 | 1° 9 | 4°R 8 | 5°23 | 29°53 | 21°53 | T 17 |
| W18 | 8 13 14 | 4°27'37 | 16°11 | 9°13 | 21° 4 | 8°11 | 9°26 | 21°19 | 18°45 | 26°28 | 1° 9 | 4° 8 | 5°20 | 29°59 | 21°58 | W18 |
| T 19 | 8 17 10 | 5°28'24 | 29°49 | 10°21 | 21°47 | 8°40 | 9°36 | 21°14 | 18°42 | 26°28 | 1°10 | 4° 5 | 5°17 | 0♎ 6 | 22° 3 | T 19 |
| F 20 | 8 21 7 | 6°29'09 | 13♊14 | 11°32 | 22°32 | 9° 9 | 9°46 | 21° 9 | 18°40 | 26°27 | 1°10 | 4° 0 | 5°14 | 0°13 | 22° 9 | F 20 |
| S 21 | 8 25 3 | 7°29'53 | 26°28 | 12°44 | 23°17 | 9°39 | 9°56 | 21° 5 | 18°37 | 26°26 | 1°10 | 3°52 | 5°10 | 0°20 | 22°14 | S 21 |
| S 22 | 8 29 0 | 8°30'35 | 9♋30 | 13°58 | 24° 4 | 10° 9 | 10° 6 | 21° 0 | 18°35 | 26°25 | 1°10 | 3°43 | 5° 7 | 0°26 | 22°19 | S 22 |
| M23 | 8 32 56 | 9°31'15 | 22°20 | 15°13 | 24°51 | 10°39 | 10°16 | 20°55 | 18°32 | 26°24 | 1°11 | 3°33 | 5° 4 | 0°33 | 22°24 | M23 |
| T 24 | 8 36 53 | 10°31'54 | 4♌58 | 16°30 | 25°40 | 11° 9 | 10°27 | 20°51 | 18°30 | 26°23 | 1°11 | 3°22 | 5° 1 | 0°39 | 22°29 | T 24 |
| W25 | 8 40 50 | 11°32'32 | 17°23 | 17°48 | 26°29 | 11°39 | 10°37 | 20°46 | 18°27 | 26°22 | 1°11 | 3°13 | 4°58 | 0°46 | 22°35 | W25 |
| T 26 | 8 44 46 | 12°33'08 | 29°36 | 19° 8 | 27°18 | 12° 9 | 10°48 | 20°42 | 18°24 | 26°21 | 1°12 | 3° 6 | 4°54 | 0°53 | 22°40 | T 26 |
| F 27 | 8 48 43 | 13°33'42 | 11♍39 | 20°29 | 28° 9 | 12°40 | 10°58 | 20°38 | 18°22 | 26°20 | 1°12 | 3° 1 | 4°51 | 0°59 | 22°44 | F 27 |
| S 28 | 8 52 39 | 14°34'15 | 23°33 | 21°52 | 29° 0 | 13°10 | 11° 9 | 20°33 | 18°19 | 26°18 | 1°13 | 2°59 | 4°48 | 1° 6 | 22°49 | S 28 |
| S 29 | 8 56 36 | 15°34'47 | 5♎21 | 23°15 | 29°53 | 13°41 | 11°20 | 20°29 | 18°17 | 26°17 | 1°13 | 2°D58 | 4°45 | 1°13 | 22°54 | S 29 |
| M30 | 9 0 32 | 16°35'17 | 17° 8 | 24°40 | 0♑45 | 14°12 | 11°31 | 20°25 | 18°14 | 26°16 | 1°14 | 2°59 | 4°42 | 1°19 | 22°59 | M30 |
| T 31 | 9 4 29 | 17♒35'46 | 28♎57 | 26♑ 6 | 1♑39 | 14♉43 | 11♈42 | 20♋21 | 18♌11 | 26♍15 | 1♉14 | 3♎ 1 | 4♎39 | 1♎26 | 23♐ 4 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s26 | 0n25 | 0s43 | 20s19 | 3n14 | 16s55 | 5n29 | 12n51 | 1n15 | 1n38 | 1s17 | 21n56 | 0n18 | 15n47 | 0n45 | 2n42 | 1n29 | 2s59 | 15s53 | 2s10 | 2s29 | 0n 5 | 18s43 | 4n30 |
| M 2 | 22 18 | 3s20 | 0n20 | 20 26 | 3 7 | 16 56 | 5 29 | 13 0 | 1 16 | 1 41 | 1 16 | 21 57 | 0 18 | 15 48 | 0 45 | 2 43 | 1 30 | 2 59 | 15 52 | 2 10 | 2 28 | 0 3 | 18 43 | 4 30 |
| T 3 | 22 10 | 6 57 | 1 22 | 20 33 | 3 0 | 16 59 | 5 30 | 13 10 | 1 16 | 1 44 | 1 16 | 21 58 | 0 18 | 15 48 | 0 45 | 2 43 | 1 30 | 2 58 | 15 52 | 2 10 | 2 27 | 0 2 | 18 43 | 4 30 |
| W 4 | 22 1 | 10 20 | 2 21 | 20 42 | 2 51 | 17 1 | 5 30 | 13 20 | 1 17 | 1 47 | 1 16 | 21 58 | 0 18 | 15 49 | 0 45 | 2 43 | 1 30 | 2 58 | 15 52 | 2 10 | 2 25 | 0s 0 | 18 43 | 4 31 |
| T 5 | 21 52 | 13 21 | 3 14 | 20 51 | 2 42 | 17 5 | 5 29 | 13 30 | 1 18 | 1 51 | 1 15 | 21 59 | 0 18 | 15 50 | 0 45 | 2 43 | 1 30 | 2 58 | 15 51 | 2 9 | 2 24 | 0 2 | 18 43 | 4 31 |
| F 6 | 21 42 | 15 49 | 4 0 | 21 1 | 2 32 | 17 8 | 5 29 | 13 39 | 1 18 | 1 54 | 1 15 | 22 0 | 0 19 | 15 50 | 0 45 | 2 44 | 1 30 | 2 57 | 15 51 | 2 7 | 2 23 | 0 4 | 18 43 | 4 31 |
| S 7 | 21 32 | 17 35 | 4 35 | 21 11 | 2 22 | 17 12 | 5 28 | 13 49 | 1 19 | 1 57 | 1 15 | 22 1 | 0 19 | 15 51 | 0 45 | 2 44 | 1 30 | 2 57 | 15 51 | 2 4 | 2 22 | 0 6 | 18 43 | 4 32 |
| S 8 | 21 21 | 18 28 | 4 57 | 21 21 | 2 12 | 17 17 | 5 26 | 13 59 | 1 19 | 2 1 | 1 15 | 22 2 | 0 19 | 15 52 | 0 45 | 2 44 | 1 30 | 2 57 | 15 50 | 2 0 | 2 20 | 0 8 | 18 43 | 4 32 |
| M 9 | 21 10 | 18 18 | 5 2 | 21 31 | 2 2 | 17 22 | 5 25 | 14 9 | 1 20 | 2 5 | 1 14 | 22 3 | 0 19 | 15 53 | 0 45 | 2 44 | 1 30 | 2 56 | 15 50 | 1 55 | 2 19 | 0 10 | 18 43 | 4 32 |
| T 10 | 20 59 | 17 2 | 4 49 | 21 41 | 1 51 | 17 27 | 5 23 | 14 18 | 1 20 | 2 8 | 1 14 | 22 4 | 0 19 | 15 53 | 0 45 | 2 45 | 1 30 | 2 56 | 15 50 | 1 50 | 2 18 | 0 11 | 18 43 | 4 33 |
| W11 | 20 47 | 14 41 | 4 18 | 21 51 | 1 41 | 17 32 | 5 21 | 14 28 | 1 21 | 2 12 | 1 14 | 22 5 | 0 19 | 15 54 | 0 45 | 2 45 | 1 30 | 2 56 | 15 49 | 1 46 | 2 17 | 0 13 | 18 43 | 4 33 |
| T 12 | 20 35 | 11 24 | 3 30 | 22 0 | 1 31 | 17 38 | 5 19 | 14 38 | 1 21 | 2 16 | 1 14 | 22 6 | 0 19 | 15 55 | 0 45 | 2 45 | 1 30 | 2 55 | 15 49 | 1 43 | 2 15 | 0 15 | 18 43 | 4 33 |
| F 13 | 20 22 | 7 23 | 2 28 | 22 9 | 1 20 | 17 44 | 5 16 | 14 48 | 1 22 | 2 19 | 1 13 | 22 7 | 0 19 | 15 56 | 0 45 | 2 46 | 1 30 | 2 55 | 15 49 | 1 40 | 2 14 | 0 17 | 18 43 | 4 34 |
| S 14 | 20 9 | 2 57 | 1 16 | 22 17 | 1 10 | 17 50 | 5 14 | 14 58 | 1 22 | 2 23 | 1 13 | 22 7 | 0 19 | 15 56 | 0 45 | 2 46 | 1 30 | 2 55 | 15 48 | 1 39 | 2 13 | 0 19 | 18 43 | 4 34 |
| S 15 | 19 56 | 1n38 | 0 0 | 22 25 | 1 0 | 17 56 | 5 11 | 15 8 | 1 23 | 2 27 | 1 13 | 22 8 | 0 20 | 15 57 | 0 45 | 2 46 | 1 30 | 2 54 | 15 48 | 1 39 | 2 11 | 0 21 | 18 43 | 4 35 |
| M16 | 19 43 | 6 3 | 1s15 | 22 32 | 0 50 | 18 2 | 5 8 | 15 18 | 1 23 | 2 31 | 1 13 | 22 9 | 0 20 | 15 58 | 0 45 | 2 47 | 1 30 | 2 54 | 15 48 | 1 39 | 2 10 | 0 23 | 18 43 | 4 35 |
| T 17 | 19 28 | 10 5 | 2 25 | 22 38 | 0 40 | 18 8 | 5 4 | 15 28 | 1 24 | 2 35 | 1 12 | 22 10 | 0 20 | 15 59 | 0 45 | 2 47 | 1 30 | 2 54 | 15 47 | 1 39 | 2 9 | 0 24 | 18 43 | 4 35 |
| W18 | 19 14 | 13 29 | 3 25 | 22 44 | 0 30 | 18 14 | 5 1 | 15 38 | 1 24 | 2 39 | 1 12 | 22 11 | 0 20 | 16 0 | 0 45 | 2 47 | 1 30 | 2 53 | 15 47 | 1 39 | 2 8 | 0 26 | 18 43 | 4 36 |
| T 19 | 18 59 | 16 5 | 4 13 | 22 48 | 0 21 | 18 21 | 4 57 | 15 47 | 1 25 | 2 43 | 1 12 | 22 12 | 0 20 | 16 0 | 0 45 | 2 48 | 1 30 | 2 53 | 15 46 | 1 38 | 2 6 | 0 28 | 18 43 | 4 36 |
| F 20 | 18 44 | 17 46 | 4 46 | 22 52 | 0 11 | 18 27 | 4 54 | 15 57 | 1 25 | 2 47 | 1 12 | 22 12 | 0 20 | 16 1 | 0 45 | 2 48 | 1 30 | 2 52 | 15 46 | 1 36 | 2 5 | 0 30 | 18 43 | 4 36 |
| S 21 | 18 29 | 18 27 | 5 3 | 22 54 | 0 2 | 18 33 | 4 50 | 16 7 | 1 25 | 2 51 | 1 12 | 22 13 | 0 20 | 16 2 | 0 45 | 2 49 | 1 31 | 2 52 | 15 46 | 1 33 | 2 4 | 0 32 | 18 43 | 4 37 |
| S 22 | 18 13 | 18 9 | 5 4 | 22 55 | 0s 7 | 18 39 | 4 46 | 16 17 | 1 26 | 2 56 | 1 11 | 22 14 | 0 20 | 16 3 | 0 45 | 2 49 | 1 31 | 2 52 | 15 45 | 1 29 | 2 3 | 0 34 | 18 43 | 4 37 |
| M23 | 17 57 | 16 56 | 4 49 | 22 56 | 0 15 | 18 45 | 4 42 | 16 27 | 1 26 | 3 0 | 1 11 | 22 15 | 0 20 | 16 4 | 0 45 | 2 49 | 1 31 | 2 51 | 15 45 | 1 25 | 2 1 | 0 35 | 18 43 | 4 38 |
| T 24 | 17 41 | 14 54 | 4 21 | 22 55 | 0 23 | 18 51 | 4 37 | 16 37 | 1 26 | 3 4 | 1 11 | 22 16 | 0 20 | 16 4 | 0 45 | 2 50 | 1 31 | 2 51 | 15 45 | 1 21 | 2 0 | 0 37 | 18 43 | 4 38 |
| W25 | 17 24 | 12 12 | 3 40 | 22 53 | 0 31 | 18 57 | 4 33 | 16 46 | 1 27 | 3 8 | 1 11 | 22 16 | 0 21 | 16 5 | 0 45 | 2 50 | 1 31 | 2 50 | 15 44 | 1 17 | 1 59 | 0 39 | 18 42 | 4 39 |
| T 26 | 17 7 | 9 1 | 2 50 | 22 49 | 0 39 | 19 3 | 4 29 | 16 56 | 1 27 | 3 13 | 1 10 | 22 17 | 0 21 | 16 6 | 0 45 | 2 51 | 1 31 | 2 50 | 15 44 | 1 14 | 1 58 | 0 41 | 18 42 | 4 39 |
| F 27 | 16 50 | 5 30 | 1 53 | 22 45 | 0 47 | 19 8 | 4 24 | 17 6 | 1 27 | 3 17 | 1 10 | 22 18 | 0 21 | 16 7 | 0 45 | 2 51 | 1 31 | 2 49 | 15 44 | 1 12 | 1 56 | 0 43 | 18 42 | 4 39 |
| S 28 | 16 32 | 1 48 | 0 51 | 22 39 | 0 54 | 19 13 | 4 19 | 17 15 | 1 28 | 3 22 | 1 10 | 22 19 | 0 21 | 16 8 | 0 45 | 2 52 | 1 31 | 2 49 | 15 43 | 1 11 | 1 55 | 0 45 | 18 42 | 4 40 |
| S 29 | 16 14 | 1s56 | 0n13 | 22 32 | 1 1 | 19 18 | 4 15 | 17 25 | 1 28 | 3 26 | 1 10 | 22 19 | 0 21 | 16 9 | 0 46 | 2 52 | 1 31 | 2 48 | 15 43 | 1 11 | 1 54 | 0 47 | 18 42 | 4 40 |
| M30 | 15 56 | 5 35 | 1 16 | 22 24 | 1 7 | 19 23 | 4 10 | 17 34 | 1 28 | 3 31 | 1 10 | 22 20 | 0 21 | 16 9 | 0 46 | 2 53 | 1 31 | 2 48 | 15 43 | 1 12 | 1 52 | 0 48 | 18 42 | 4 41 |
| T 31 | 15s38 | 9s 2 | 2n16 | 22s14 | 1s14 | 19s28 | 4n 5 | 17n44 | 1n28 | 3n35 | 1s 9 | 22n21 | 0n21 | 16n10 | 0n46 | 2n53 | 1n31 | 2s48 | 15s42 | 1s12 | 1s51 | 0s50 | 18s41 | 4n41 |

Julian Day Number = 2130868.5, Delta T = 16m35s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°29'59, Lahiri = 11°37'00 Julian Calendar 1 Jan. 1122 == Greg. Calendar 8 Jan. 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## FEBRUARY 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 8 25 | 18♒36'14 | 10♏55 | 27♑33 | 2♑33 | 15♉14 | 11♈53 | 20°R17 | 18°R 9 | 26°R14 | 1♉14 | 3♎ 2 | 4♎35 | 1♎33 | 23♐ 8 | W 1 |
| T 2 | 9 12 22 | 19°36'40 | 23° 5 | 29° 1 | 3°27 | 15°45 | 12° 5 | 20♋13 | 18♌ 6 | 26♍13 | 1°15 | 3°R 2 | 4°32 | 1°39 | 23°13 | T 2 |
| F 3 | 9 16 18 | 20°37'05 | 5♐33 | 0♒30 | 4°23 | 16°17 | 12°16 | 20° 9 | 18° 3 | 26°11 | 1°16 | 3° 1 | 4°29 | 1°46 | 23°17 | F 3 |
| S 4 | 9 20 15 | 21°37'28 | 18°25 | 2° 1 | 5°18 | 16°48 | 12°28 | 20° 5 | 18° 1 | 26°10 | 1°16 | 2°58 | 4°26 | 1°53 | 23°22 | S 4 |
| S 5 | 9 24 12 | 22°37'50 | 1♑42 | 3°32 | 6°15 | 17°20 | 12°39 | 20° 1 | 17°58 | 26° 9 | 1°17 | 2°53 | 4°23 | 1°59 | 23°26 | S 5 |
| M 6 | 9 28 8 | 23°38'11 | 15°27 | 5° 4 | 7°12 | 17°52 | 12°51 | 19°58 | 17°56 | 26° 7 | 1°17 | 2°47 | 4°20 | 2° 6 | 23°30 | M 6 |
| T 7 | 9 32 5 | 24°38'29 | 29°38 | 6°38 | 8° 9 | 18°23 | 13° 3 | 19°54 | 17°53 | 26° 6 | 1°18 | 2°41 | 4°16 | 2°12 | 23°34 | T 7 |
| W 8 | 9 36 1 | 25°38'47 | 14♒12 | 8°12 | 9° 7 | 18°55 | 13°15 | 19°51 | 17°50 | 26° 5 | 1°19 | 2°35 | 4°13 | 2°19 | 23°39 | W 8 |
| T 9 | 9 39 58 | 26°39'02 | 29° 2 | 9°47 | 10° 5 | 19°28 | 13°26 | 19°47 | 17°48 | 26° 3 | 1°19 | 2°30 | 4°10 | 2°26 | 23°43 | T 9 |
| F 10 | 9 43 54 | 27°39'16 | 14♓ 1 | 11°24 | 11° 4 | 20° 0 | 13°39 | 19°44 | 17°45 | 26° 2 | 1°20 | 2°27 | 4° 7 | 2°32 | 23°47 | F 10 |
| S 11 | 9 47 51 | 28°39'27 | 28°59 | 13° 1 | 12° 3 | 20°32 | 13°51 | 19°40 | 17°43 | 26° 0 | 1°21 | 2°D26 | 4° 4 | 2°39 | 23°51 | S 11 |
| S 12 | 9 51 47 | 29°39'37 | 13♈48 | 14°40 | 13° 2 | 21° 5 | 14° 3 | 19°37 | 17°40 | 25°59 | 1°21 | 2°26 | 4° 0 | 2°46 | 23°54 | S 12 |
| M13 | 9 55 44 | 0♓39'44 | 28°23 | 16°19 | 14° 2 | 21°37 | 14°15 | 19°34 | 17°37 | 25°58 | 1°22 | 2°28 | 3°57 | 2°52 | 23°58 | M13 |
| T 14 | 9 59 41 | 1°39'49 | 12♉39 | 18° 0 | 15° 2 | 22°10 | 14°27 | 19°31 | 17°35 | 25°56 | 1°23 | 2°29 | 3°54 | 2°59 | 24° 2 | T 14 |
| W15 | 10 3 37 | 2°39'53 | 26°36 | 19°42 | 16° 3 | 22°42 | 14°40 | 19°28 | 17°32 | 25°55 | 1°24 | 2°R30 | 3°51 | 3° 6 | 24° 6 | W15 |
| T 16 | 10 7 34 | 3°39'53 | 10♊12 | 21°25 | 17° 4 | 23°15 | 14°52 | 19°25 | 17°30 | 25°53 | 1°24 | 2°30 | 3°48 | 3°12 | 24° 9 | T 16 |
| F 17 | 10 11 30 | 4°39'52 | 23°29 | 23° 9 | 18° 5 | 23°48 | 15° 5 | 19°23 | 17°27 | 25°52 | 1°25 | 2°29 | 3°45 | 3°19 | 24°13 | F 17 |
| S 18 | 10 15 27 | 5°39'49 | 6♋29 | 24°54 | 19° 7 | 24°21 | 15°17 | 19°20 | 17°25 | 25°50 | 1°26 | 2°26 | 3°41 | 3°26 | 24°16 | S 18 |
| S 19 | 10 19 23 | 6°39'43 | 19°14 | 26°40 | 20° 9 | 24°54 | 15°30 | 19°17 | 17°23 | 25°49 | 1°27 | 2°23 | 3°38 | 3°32 | 24°19 | S 19 |
| M20 | 10 23 20 | 7°39'35 | 1♌45 | 28°27 | 21°11 | 25°27 | 15°43 | 19°15 | 17°20 | 25°47 | 1°28 | 2°18 | 3°35 | 3°39 | 24°23 | M20 |
| T 21 | 10 27 16 | 8°39'25 | 14° 5 | 0♓16 | 22°14 | 26° 0 | 15°56 | 19°13 | 17°18 | 25°46 | 1°29 | 2°14 | 3°32 | 3°46 | 24°26 | T 21 |
| W22 | 10 31 13 | 9°39'13 | 26°15 | 2° 6 | 23°16 | 26°34 | 16° 9 | 19°10 | 17°15 | 25°44 | 1°29 | 2°11 | 3°29 | 3°52 | 24°29 | W22 |
| T 23 | 10 35 10 | 10°38'58 | 8♍16 | 3°56 | 24°19 | 27° 7 | 16°22 | 19° 8 | 17°13 | 25°42 | 1°30 | 2° 8 | 3°25 | 3°59 | 24°32 | T 23 |
| F 24 | 10 39 6 | 11°38'42 | 20°10 | 5°48 | 25°23 | 27°40 | 16°35 | 19° 6 | 17°11 | 25°41 | 1°31 | 2° 6 | 3°22 | 4° 5 | 24°35 | F 24 |
| S 25 | 10 43 3 | 12°38'24 | 2♎ 0 | 7°42 | 26°26 | 28°14 | 16°48 | 19° 4 | 17° 8 | 25°39 | 1°32 | 2°D 6 | 3°19 | 4°12 | 24°38 | S 25 |
| S 26 | 10 46 59 | 13°38'03 | 13°48 | 9°36 | 27°30 | 28°47 | 17° 1 | 19° 2 | 17° 6 | 25°38 | 1°33 | 2° 6 | 3°16 | 4°19 | 24°40 | S 26 |
| M27 | 10 50 56 | 14°37'41 | 25°36 | 11°31 | 28°34 | 29°21 | 17°14 | 19° 1 | 17° 4 | 25°36 | 1°34 | 2° 7 | 3°13 | 4°25 | 24°43 | M27 |
| T 28 | 10 54 52 | 15♓37'17 | 7♏27 | 13♓28 | 29♑39 | 29♉55 | 17♈27 | 18♋59 | 17♌ 2 | 25♍34 | 1♉35 | 2♎ 9 | 3♎10 | 4♎32 | 24♐46 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s19 | 12s 8 | 3n11 | 22s 3 | 1s20 | 19s32 | 4n 0 | 17n53 | 1n29 | 3n40 | 1s 9 | 22n22 | 0n21 | 16n11 | 0n46 | 2n54 | 1n31 | 2s47 | 15s42 | 1s13 | 1s50 | 0s52 | 18s41 | 4n42 |
| T 2 | 15 0 | 14 47 | 3 59 | 21 51 | 1 26 | 19 35 | 3 55 | 18 3 | 1 29 | 3 44 | 1 9 | 22 22 | 0 21 | 16 12 | 0 46 | 2 54 | 1 31 | 2 47 | 15 42 | 1 13 | 1 49 | 0 54 | 18 41 | 4 42 |
| F 3 | 14 41 | 16 48 | 4 36 | 21 37 | 1 31 | 19 39 | 3 50 | 18 12 | 1 29 | 3 49 | 1 9 | 22 23 | 0 21 | 16 13 | 0 46 | 2 55 | 1 31 | 2 46 | 15 41 | 1 12 | 1 47 | 0 56 | 18 41 | 4 43 |
| S 4 | 14 22 | 18 3 | 5 1 | 21 22 | 1 36 | 19 42 | 3 45 | 18 22 | 1 29 | 3 54 | 1 9 | 22 24 | 0 21 | 16 13 | 0 46 | 2 55 | 1 31 | 2 46 | 15 41 | 1 11 | 1 46 | 0 58 | 18 40 | 4 43 |
| S 5 | 14 2 | 18 22 | 5 11 | 21 5 | 1 41 | 19 45 | 3 39 | 18 31 | 1 29 | 3 58 | 1 8 | 22 24 | 0 21 | 16 14 | 0 46 | 2 56 | 1 31 | 2 45 | 15 41 | 1 9 | 1 45 | 0 59 | 18 40 | 4 43 |
| M 6 | 13 42 | 17 38 | 5 3 | 20 47 | 1 45 | 19 47 | 3 34 | 18 40 | 1 30 | 4 3 | 1 8 | 22 25 | 0 22 | 16 15 | 0 46 | 2 57 | 1 31 | 2 45 | 15 40 | 1 7 | 1 44 | 1 1 | 18 40 | 4 44 |
| T 7 | 13 22 | 15 48 | 4 37 | 20 28 | 1 49 | 19 49 | 3 29 | 18 49 | 1 30 | 4 8 | 1 8 | 22 25 | 0 22 | 16 16 | 0 46 | 2 57 | 1 31 | 2 44 | 15 40 | 1 4 | 1 42 | 1 3 | 18 40 | 4 44 |
| W 8 | 13 2 | 12 56 | 3 53 | 20 7 | 1 53 | 19 51 | 3 24 | 18 58 | 1 30 | 4 13 | 1 8 | 22 26 | 0 22 | 16 17 | 0 46 | 2 58 | 1 31 | 2 44 | 15 40 | 1 2 | 1 41 | 1 5 | 18 39 | 4 45 |
| T 9 | 12 41 | 9 10 | 2 52 | 19 45 | 1 56 | 19 52 | 3 18 | 19 7 | 1 30 | 4 17 | 1 8 | 22 27 | 0 22 | 16 18 | 0 46 | 2 58 | 1 31 | 2 43 | 15 39 | 1 0 | 1 40 | 1 7 | 18 39 | 4 45 |
| F 10 | 12 21 | 4 48 | 1 39 | 19 21 | 1 59 | 19 53 | 3 13 | 19 16 | 1 30 | 4 22 | 1 7 | 22 27 | 0 22 | 16 18 | 0 46 | 2 59 | 1 31 | 2 43 | 15 39 | 0 59 | 1 39 | 1 9 | 18 39 | 4 46 |
| S 11 | 12 0 | 0 7 | 0 19 | 18 56 | 2 2 | 19 53 | 3 7 | 19 25 | 1 31 | 4 27 | 1 7 | 22 28 | 0 22 | 16 19 | 0 46 | 2 59 | 1 31 | 2 42 | 15 39 | 0 58 | 1 37 | 1 11 | 18 38 | 4 46 |
| S 12 | 11 39 | 4n31 | 1s 2 | 18 29 | 2 4 | 19 53 | 3 2 | 19 34 | 1 31 | 4 32 | 1 7 | 22 28 | 0 22 | 16 20 | 0 46 | 3 0 | 1 31 | 2 42 | 15 39 | 0 58 | 1 36 | 1 12 | 18 38 | 4 47 |
| M13 | 11 17 | 8 48 | 2 17 | 18 1 | 2 6 | 19 53 | 2 56 | 19 43 | 1 31 | 4 37 | 1 7 | 22 29 | 0 22 | 16 21 | 0 46 | 3 1 | 1 31 | 2 41 | 15 38 | 0 59 | 1 35 | 1 14 | 18 38 | 4 47 |
| T 14 | 10 56 | 12 29 | 3 23 | 17 31 | 2 7 | 19 52 | 2 51 | 19 51 | 1 31 | 4 42 | 1 7 | 22 29 | 0 22 | 16 21 | 0 46 | 3 1 | 1 31 | 2 40 | 15 38 | 1 0 | 1 33 | 1 16 | 18 37 | 4 48 |
| W15 | 10 34 | 15 21 | 4 15 | 17 0 | 2 8 | 19 50 | 2 46 | 20 0 | 1 31 | 4 47 | 1 7 | 22 30 | 0 22 | 16 22 | 0 46 | 3 2 | 1 31 | 2 40 | 15 38 | 1 0 | 1 32 | 1 18 | 18 37 | 4 48 |
| T 16 | 10 13 | 17 17 | 4 51 | 16 28 | 2 9 | 19 49 | 2 40 | 20 9 | 1 31 | 4 52 | 1 6 | 22 30 | 0 22 | 16 23 | 0 45 | 3 2 | 1 32 | 2 39 | 15 37 | 1 0 | 1 31 | 1 20 | 18 37 | 4 49 |
| F 17 | 9 51 | 18 14 | 5 10 | 15 54 | 2 9 | 19 46 | 2 35 | 20 17 | 1 31 | 4 57 | 1 6 | 22 31 | 0 22 | 16 24 | 0 45 | 3 3 | 1 32 | 2 39 | 15 37 | 0 59 | 1 30 | 1 22 | 18 36 | 4 49 |
| S 18 | 9 29 | 18 11 | 5 13 | 15 18 | 2 9 | 19 43 | 2 29 | 20 25 | 1 31 | 5 2 | 1 6 | 22 31 | 0 22 | 16 24 | 0 45 | 3 4 | 1 32 | 2 38 | 15 37 | 0 58 | 1 28 | 1 23 | 18 36 | 4 50 |
| S 19 | 9 6 | 17 12 | 5 1 | 14 41 | 2 8 | 19 40 | 2 24 | 20 34 | 1 31 | 5 7 | 1 6 | 22 32 | 0 23 | 16 25 | 0 45 | 3 4 | 1 32 | 2 38 | 15 36 | 0 57 | 1 27 | 1 25 | 18 35 | 4 51 |
| M20 | 8 44 | 15 25 | 4 34 | 14 2 | 2 6 | 19 36 | 2 18 | 20 42 | 1 32 | 5 12 | 1 6 | 22 32 | 0 23 | 16 26 | 0 45 | 3 5 | 1 32 | 2 37 | 15 36 | 0 55 | 1 26 | 1 27 | 18 35 | 4 51 |
| T 21 | 8 22 | 12 56 | 3 55 | 13 22 | 2 5 | 19 32 | 2 13 | 20 50 | 1 32 | 5 17 | 1 6 | 22 33 | 0 23 | 16 27 | 0 45 | 3 6 | 1 32 | 2 37 | 15 36 | 0 54 | 1 25 | 1 29 | 18 35 | 4 52 |
| W22 | 7 59 | 9 56 | 3 5 | 12 41 | 2 2 | 19 27 | 2 7 | 20 58 | 1 32 | 5 22 | 1 6 | 22 33 | 0 23 | 16 27 | 0 45 | 3 6 | 1 32 | 2 36 | 15 36 | 0 52 | 1 23 | 1 31 | 18 34 | 4 52 |
| T 23 | 7 36 | 6 32 | 2 8 | 11 58 | 2 0 | 19 21 | 2 2 | 21 6 | 1 32 | 5 27 | 1 5 | 22 33 | 0 23 | 16 28 | 0 45 | 3 7 | 1 32 | 2 36 | 15 35 | 0 51 | 1 22 | 1 33 | 18 34 | 4 53 |
| F 24 | 7 14 | 2 54 | 1 5 | 11 14 | 1 57 | 19 15 | 1 56 | 21 13 | 1 32 | 5 33 | 1 5 | 22 34 | 0 23 | 16 29 | 0 45 | 3 8 | 1 32 | 2 35 | 15 35 | 0 50 | 1 21 | 1 34 | 18 33 | 4 53 |
| S 25 | 6 51 | 0s49 | 0 1 | 10 28 | 1 53 | 19 9 | 1 51 | 21 21 | 1 32 | 5 38 | 1 5 | 22 34 | 0 23 | 16 29 | 0 45 | 3 8 | 1 32 | 2 34 | 15 35 | 0 50 | 1 20 | 1 36 | 18 33 | 4 54 |
| S 26 | 6 28 | 4 29 | 1n 4 | 9 41 | 1 48 | 19 2 | 1 45 | 21 29 | 1 32 | 5 43 | 1 5 | 22 34 | 0 23 | 16 30 | 0 45 | 3 9 | 1 32 | 2 34 | 15 35 | 0 50 | 1 18 | 1 38 | 18 33 | 4 54 |
| M27 | 6 5 | 7 59 | 2 7 | 8 52 | 1 44 | 18 54 | 1 40 | 21 36 | 1 32 | 5 48 | 1 5 | 22 35 | 0 23 | 16 31 | 0 45 | 3 10 | 1 32 | 2 33 | 15 34 | 0 51 | 1 17 | 1 40 | 18 32 | 4 55 |
| T 28 | 5s42 | 11s10 | 3n 4 | 8s 2 | 1s38 | 18s46 | 1n35 | 21n43 | 1n32 | 5n53 | 1s 5 | 22n35 | 0n23 | 16n31 | 0n45 | 3n10 | 1n32 | 2s33 | 15s34 | 0s51 | 1s16 | 1s42 | 18s32 | 4n55 |

Julian Day Number = 2130899.5, Delta T = 16m35s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'03, Lahiri = 11°37'04 Julian Calendar 1 Feb. 1122 == Greg. Calendar 8 Feb. 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## MARCH 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 58 49 | 16♓36'51 | 19♏26 | 15♓26 | 0♒43 | 0♊28 | 17♈40 | 18°R57 | 16°R59 | 25°R33 | 1♉36 | 2♎10 | 3♎ 6 | 4♎39 | 24♐48 | W 1 |
| T 2 | 11 2 45 | 17°36'23 | 1♐36 | 17°24 | 1°48 | 1° 2 | 17°54 | 18♋56 | 16♌57 | 25♍31 | 1°37 | 2°11 | 3° 3 | 4°45 | 24°50 | T 2 |
| F 3 | 11 6 42 | 18°35'54 | 14° 3 | 19°24 | 2°53 | 1°36 | 18° 7 | 18°55 | 16°55 | 25°29 | 1°38 | 2°R12 | 3° 0 | 4°52 | 24°53 | F 3 |
| S 4 | 11 10 39 | 19°35'23 | 26°50 | 21°24 | 3°59 | 2°10 | 18°21 | 18°54 | 16°53 | 25°28 | 1°39 | 2°12 | 2°57 | 4°59 | 24°55 | S 4 |
| S 5 | 11 14 35 | 20°34'50 | 10♑ 0 | 23°25 | 5° 4 | 2°44 | 18°34 | 18°52 | 16°51 | 25°26 | 1°40 | 2°11 | 2°54 | 5° 5 | 24°57 | S 5 |
| M 6 | 11 18 32 | 21°34'15 | 23°38 | 25°27 | 6°10 | 3°18 | 18°48 | 18°51 | 16°49 | 25°25 | 1°41 | 2°10 | 2°51 | 5°12 | 24°59 | M 6 |
| T 7 | 11 22 28 | 22°33'38 | 7♒43 | 27°29 | 7°15 | 3°52 | 19° 1 | 18°51 | 16°47 | 25°23 | 1°42 | 2° 9 | 2°47 | 5°19 | 25° 1 | T 7 |
| W 8 | 11 26 25 | 23°33'00 | 22°13 | 29°31 | 8°21 | 4°27 | 19°15 | 18°50 | 16°45 | 25°21 | 1°43 | 2° 8 | 2°44 | 5°25 | 25° 3 | W 8 |
| T 9 | 11 30 21 | 24°32'19 | 7♓ 5 | 1♈33 | 9°28 | 5° 1 | 19°29 | 18°49 | 16°43 | 25°20 | 1°45 | 2° 7 | 2°41 | 5°32 | 25° 5 | T 9 |
| F 10 | 11 34 18 | 25°31'37 | 22°11 | 3°35 | 10°34 | 5°35 | 19°42 | 18°49 | 16°41 | 25°18 | 1°46 | 2° 7 | 2°38 | 5°38 | 25° 7 | F 10 |
| S 11 | 11 38 14 | 26°30'52 | 7♈23 | 5°37 | 11°40 | 6° 9 | 19°56 | 18°48 | 16°39 | 25°16 | 1°47 | 2°D 7 | 2°35 | 5°45 | 25° 8 | S 11 |
| S 12 | 11 42 11 | 27°30'06 | 22°30 | 7°37 | 12°47 | 6°44 | 20°10 | 18°48 | 16°38 | 25°15 | 1°48 | 2° 7 | 2°31 | 5°52 | 25°10 | S 12 |
| M13 | 11 46 7 | 28°29'17 | 7♉24 | 9°36 | 13°54 | 7°18 | 20°24 | 18°48 | 16°36 | 25°13 | 1°49 | 2° 7 | 2°28 | 5°58 | 25°11 | M13 |
| T 14 | 11 50 4 | 29°28'25 | 21°59 | 11°33 | 15° 1 | 7°53 | 20°37 | 18°47 | 16°34 | 25°11 | 1°50 | 2° 8 | 2°25 | 6° 5 | 25°13 | T 14 |
| W15 | 11 54 1 | 0♈27'32 | 6♊10 | 13°29 | 16° 8 | 8°27 | 20°51 | 18°D47 | 16°32 | 25°10 | 1°51 | 2° 8 | 2°22 | 6°12 | 25°14 | W15 |
| T 16 | 11 57 57 | 1°26'36 | 19°55 | 15°22 | 17°15 | 9° 2 | 21° 5 | 18°48 | 16°31 | 25° 8 | 1°53 | 2° 8 | 2°19 | 6°18 | 25°15 | T 16 |
| F 17 | 12 1 54 | 2°25'38 | 3♋14 | 17°12 | 18°23 | 9°37 | 21°19 | 18°48 | 16°29 | 25° 6 | 1°54 | 2° 8 | 2°16 | 6°25 | 25°16 | F 17 |
| S 18 | 12 5 50 | 3°24'38 | 16°11 | 18°59 | 19°30 | 10°11 | 21°33 | 18°48 | 16°28 | 25° 5 | 1°55 | 2° 8 | 2°12 | 6°32 | 25°17 | S 18 |
| S 19 | 12 9 47 | 4°23'35 | 28°49 | 20°42 | 20°38 | 10°46 | 21°47 | 18°48 | 16°26 | 25° 3 | 1°56 | 2° 8 | 2° 9 | 6°38 | 25°18 | S 19 |
| M20 | 12 13 43 | 5°22'30 | 11♌ 9 | 22°22 | 21°45 | 11°21 | 22° 1 | 18°49 | 16°25 | 25° 1 | 1°58 | 2° 8 | 2° 6 | 6°45 | 25°19 | M20 |
| T 21 | 12 17 40 | 6°21'22 | 23°18 | 23°58 | 22°53 | 11°56 | 22°15 | 18°50 | 16°23 | 25° 0 | 1°59 | 2° 9 | 2° 3 | 6°52 | 25°20 | T 21 |
| W22 | 12 21 36 | 7°20'12 | 5♍16 | 25°29 | 24° 1 | 12°31 | 22°29 | 18°50 | 16°22 | 24°58 | 2° 0 | 2° 9 | 2° 0 | 6°58 | 25°20 | W22 |
| T 23 | 12 25 33 | 8°19'00 | 17° 9 | 26°55 | 25° 9 | 13° 6 | 22°43 | 18°51 | 16°21 | 24°57 | 2° 1 | 2°10 | 1°56 | 7° 5 | 25°21 | T 23 |
| F 24 | 12 29 30 | 9°17'46 | 28°57 | 28°16 | 26°17 | 13°40 | 22°58 | 18°52 | 16°19 | 24°55 | 2° 3 | 2°R10 | 1°53 | 7°11 | 25°21 | F 24 |
| S 25 | 12 33 26 | 10°16'30 | 10♎45 | 29°32 | 27°26 | 14°15 | 23°12 | 18°53 | 16°18 | 24°53 | 2° 4 | 2°10 | 1°50 | 7°18 | 25°22 | S 25 |
| S 26 | 12 37 23 | 11°15'12 | 22°34 | 0♑43 | 28°34 | 14°50 | 23°26 | 18°55 | 16°17 | 24°52 | 2° 5 | 2° 9 | 1°47 | 7°25 | 25°22 | S 26 |
| M27 | 12 41 19 | 12°13'52 | 4♏26 | 1°49 | 29°43 | 15°25 | 23°40 | 18°56 | 16°16 | 24°50 | 2° 6 | 2° 8 | 1°44 | 7°31 | 25°22 | M27 |
| T 28 | 12 45 16 | 13°12'30 | 16°23 | 2°49 | 0♓51 | 16° 1 | 23°54 | 18°57 | 16°15 | 24°49 | 2° 8 | 2° 7 | 1°41 | 7°38 | 25°22 | T 28 |
| W29 | 12 49 12 | 14°11'06 | 28°29 | 3°43 | 2° 0 | 16°36 | 24° 8 | 18°59 | 16°14 | 24°47 | 2° 9 | 2° 5 | 1°37 | 7°45 | 25°R22 | W29 |
| T 30 | 12 53 9 | 15° 9'41 | 10♐45 | 4°32 | 3° 9 | 17°11 | 24°23 | 19° 0 | 16°13 | 24°46 | 2°10 | 2° 3 | 1°34 | 7°51 | 25°22 | T 30 |
| F 31 | 12 57 5 | 16♈ 8'13 | 23♐15 | 5♑14 | 4♓18 | 17♊46 | 24♈37 | 19♋ 2 | 16♌12 | 24♍44 | 2♑12 | 2♎ 2 | 1♎31 | 7♎58 | 25♐22 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat |
| W 1 | 5s18 | 13s55 | 3n53 | 7s11 | 1s32 | 18s38 | 1n29 | 21n51 | 1n32 | 5n58 | 1s 5 | 22n35 | 0n23 | 16n32 | 0n45 | 3n11 | 1n32 | 2s32 | 15s34 | 0s52 | 1s14 | 1s44 | 18s31 | 4n56 |
| T 2 | 4 55 | 16 7 | 4 33 | 6 19 | 1 26 | 18 29 | 1 24 | 21 58 | 1 32 | 6 4 | 1 4 | 22 35 | 0 23 | 16 33 | 0 45 | 3 12 | 1 32 | 2 32 | 15 34 | 0 52 | 1 13 | 1 45 | 18 31 | 4 57 |
| F 3 | 4 32 | 17 36 | 5 2 | 5 25 | 1 19 | 18 19 | 1 19 | 22 5 | 1 32 | 6 9 | 1 4 | 22 36 | 0 23 | 16 33 | 0 45 | 3 12 | 1 32 | 2 31 | 15 33 | 0 53 | 1 12 | 1 47 | 18 30 | 4 57 |
| S 4 | 4 8 | 18 15 | 5 16 | 4 31 | 1 11 | 18 9 | 1 14 | 22 12 | 1 32 | 6 14 | 1 4 | 22 36 | 0 23 | 16 34 | 0 45 | 3 13 | 1 32 | 2 31 | 15 33 | 0 53 | 1 11 | 1 49 | 18 30 | 4 58 |
| S 5 | 3 45 | 17 57 | 5 15 | 3 35 | 1 3 | 17 59 | 1 9 | 22 19 | 1 32 | 6 19 | 1 4 | 22 36 | 0 23 | 16 35 | 0 45 | 3 14 | 1 32 | 2 30 | 15 33 | 0 52 | 1 9 | 1 51 | 18 29 | 4 58 |
| M 6 | 3 21 | 16 37 | 4 56 | 2 39 | 0 54 | 17 48 | 1 4 | 22 25 | 1 32 | 6 25 | 1 4 | 22 36 | 0 24 | 16 35 | 0 45 | 3 14 | 1 32 | 2 29 | 15 33 | 0 52 | 1 8 | 1 53 | 18 29 | 4 59 |
| T 7 | 2 58 | 14 16 | 4 19 | 1 42 | 0 45 | 17 36 | 0 58 | 22 32 | 1 32 | 6 30 | 1 4 | 22 37 | 0 24 | 16 36 | 0 45 | 3 15 | 1 32 | 2 29 | 15 32 | 0 52 | 1 7 | 1 55 | 18 28 | 4 59 |
| W 8 | 2 34 | 10 57 | 3 24 | 0 44 | 0 35 | 17 24 | 0 53 | 22 38 | 1 32 | 6 35 | 1 4 | 22 37 | 0 24 | 16 36 | 0 45 | 3 16 | 1 32 | 2 28 | 15 32 | 0 51 | 1 6 | 1 56 | 18 28 | 5 0 |
| T 9 | 2 11 | 6 52 | 2 15 | 0n14 | 0 25 | 17 11 | 0 48 | 22 45 | 1 32 | 6 41 | 1 4 | 22 37 | 0 24 | 16 37 | 0 45 | 3 16 | 1 32 | 2 28 | 15 32 | 0 51 | 1 4 | 1 58 | 18 27 | 5 1 |
| F 10 | 1 47 | 2 16 | 0 55 | 1 12 | 0 15 | 16 58 | 0 43 | 22 51 | 1 32 | 6 46 | 1 3 | 22 37 | 0 24 | 16 37 | 0 45 | 3 17 | 1 32 | 2 27 | 15 32 | 0 51 | 1 3 | 2 0 | 18 27 | 5 1 |
| S 11 | 1 24 | 2n30 | 0s29 | 2 11 | 0 4 | 16 45 | 0 39 | 22 57 | 1 32 | 6 51 | 1 3 | 22 37 | 0 24 | 16 38 | 0 45 | 3 18 | 1 32 | 2 27 | 15 32 | 0 51 | 1 2 | 2 2 | 18 26 | 5 2 |
| S 12 | 1 0 | 7 5 | 1 51 | 3 9 | 0n 7 | 16 31 | 0 34 | 23 3 | 1 32 | 6 56 | 1 3 | 22 37 | 0 24 | 16 39 | 0 45 | 3 18 | 1 32 | 2 26 | 15 31 | 0 51 | 1 0 | 2 4 | 18 26 | 5 2 |
| M13 | 0 36 | 11 9 | 3 4 | 4 7 | 0 19 | 16 16 | 0 29 | 23 9 | 1 32 | 7 2 | 1 3 | 22 37 | 0 24 | 16 39 | 0 45 | 3 19 | 1 32 | 2 25 | 15 31 | 0 51 | 0 59 | 2 6 | 18 25 | 5 3 |
| T 14 | 0 13 | 14 26 | 4 3 | 5 4 | 0 31 | 16 1 | 0 24 | 23 14 | 1 32 | 7 7 | 1 3 | 22 37 | 0 24 | 16 40 | 0 45 | 3 20 | 1 32 | 2 25 | 15 31 | 0 51 | 0 58 | 2 7 | 18 25 | 5 3 |
| W15 | 0n11 | 16 44 | 4 46 | 6 0 | 0 42 | 15 46 | 0 20 | 23 20 | 1 32 | 7 12 | 1 3 | 22 37 | 0 24 | 16 40 | 0 45 | 3 20 | 1 32 | 2 24 | 15 31 | 0 51 | 0 57 | 2 9 | 18 24 | 5 4 |
| T 16 | 0 35 | 18 0 | 5 11 | 6 54 | 0 54 | 15 30 | 0 15 | 23 25 | 1 32 | 7 18 | 1 3 | 22 37 | 0 24 | 16 41 | 0 45 | 3 21 | 1 32 | 2 24 | 15 31 | 0 51 | 0 55 | 2 11 | 18 24 | 5 5 |
| F 17 | 0 58 | 18 13 | 5 18 | 7 48 | 1 6 | 15 13 | 0 11 | 23 31 | 1 32 | 7 23 | 1 3 | 22 37 | 0 24 | 16 41 | 0 45 | 3 22 | 1 32 | 2 23 | 15 30 | 0 51 | 0 54 | 2 13 | 18 23 | 5 5 |
| S 18 | 1 22 | 17 27 | 5 9 | 8 40 | 1 17 | 14 57 | 0 6 | 23 36 | 1 32 | 7 28 | 1 3 | 22 38 | 0 24 | 16 41 | 0 45 | 3 22 | 1 32 | 2 23 | 15 30 | 0 51 | 0 53 | 2 15 | 18 22 | 5 6 |
| S 19 | 1 45 | 15 51 | 4 44 | 9 29 | 1 29 | 14 39 | 0 2 | 23 41 | 1 32 | 7 34 | 1 2 | 22 37 | 0 24 | 16 42 | 0 45 | 3 23 | 1 32 | 2 22 | 15 30 | 0 51 | 0 52 | 2 17 | 18 22 | 5 6 |
| M20 | 2 9 | 13 32 | 4 7 | 10 17 | 1 40 | 14 22 | 0s 3 | 23 46 | 1 32 | 7 39 | 1 2 | 22 37 | 0 24 | 16 42 | 0 45 | 3 24 | 1 32 | 2 22 | 15 30 | 0 51 | 0 50 | 2 18 | 18 21 | 5 7 |
| T 21 | 2 32 | 10 40 | 3 20 | 11 3 | 1 50 | 14 4 | 0 7 | 23 50 | 1 32 | 7 44 | 1 2 | 22 37 | 0 24 | 16 43 | 0 45 | 3 24 | 1 32 | 2 21 | 15 30 | 0 51 | 0 49 | 2 20 | 18 21 | 5 8 |
| W22 | 2 55 | 7 23 | 2 24 | 11 46 | 2 1 | 13 45 | 0 11 | 23 55 | 1 32 | 7 50 | 1 2 | 22 37 | 0 24 | 16 43 | 0 45 | 3 25 | 1 32 | 2 20 | 15 30 | 0 52 | 0 48 | 2 22 | 18 20 | 5 8 |
| T 23 | 3 19 | 3 50 | 1 23 | 12 26 | 2 10 | 13 26 | 0 15 | 23 59 | 1 32 | 7 55 | 1 2 | 22 37 | 0 25 | 16 43 | 0 45 | 3 25 | 1 32 | 2 20 | 15 29 | 0 52 | 0 47 | 2 24 | 18 20 | 5 9 |
| F 24 | 3 42 | 0 9 | 0 18 | 13 4 | 2 19 | 13 7 | 0 19 | 24 4 | 1 31 | 8 0 | 1 2 | 22 37 | 0 25 | 16 44 | 0 45 | 3 26 | 1 32 | 2 19 | 15 29 | 0 52 | 0 45 | 2 26 | 18 19 | 5 9 |
| S 25 | 4 5 | 3s33 | 0n48 | 13 39 | 2 27 | 12 47 | 0 23 | 24 8 | 1 31 | 8 6 | 1 2 | 22 37 | 0 25 | 16 44 | 0 45 | 3 27 | 1 32 | 2 19 | 15 29 | 0 52 | 0 44 | 2 28 | 18 18 | 5 10 |
| S 26 | 4 28 | 7 6 | 1 51 | 14 12 | 2 35 | 12 27 | 0 27 | 24 12 | 1 31 | 8 11 | 1 2 | 22 37 | 0 25 | 16 44 | 0 45 | 3 27 | 1 32 | 2 18 | 15 29 | 0 52 | 0 43 | 2 29 | 18 18 | 5 10 |
| M27 | 4 51 | 10 23 | 2 50 | 14 41 | 2 41 | 12 6 | 0 31 | 24 16 | 1 31 | 8 16 | 1 2 | 22 37 | 0 25 | 16 45 | 0 45 | 3 28 | 1 32 | 2 18 | 15 29 | 0 51 | 0 41 | 2 31 | 18 17 | 5 11 |
| T 28 | 5 14 | 13 17 | 3 42 | 15 7 | 2 47 | 11 46 | 0 34 | 24 19 | 1 31 | 8 22 | 1 2 | 22 37 | 0 25 | 16 45 | 0 45 | 3 29 | 1 32 | 2 17 | 15 29 | 0 51 | 0 40 | 2 33 | 18 17 | 5 12 |
| W29 | 5 37 | 15 37 | 4 24 | 15 30 | 2 52 | 11 24 | 0 38 | 24 23 | 1 31 | 8 27 | 1 2 | 22 37 | 0 25 | 16 45 | 0 45 | 3 29 | 1 32 | 2 17 | 15 29 | 0 50 | 0 39 | 2 35 | 18 16 | 5 12 |
| T 30 | 6 0 | 17 17 | 4 55 | 15 50 | 2 56 | 11 3 | 0 42 | 24 26 | 1 31 | 8 32 | 1 2 | 22 36 | 0 25 | 16 46 | 0 45 | 3 30 | 1 32 | 2 16 | 15 28 | 0 49 | 0 38 | 2 37 | 18 16 | 5 13 |
| F 31 | 6n23 | 18s10 | 5n13 | 16n 7 | 2n58 | 10s41 | 0s45 | 24n30 | 1n31 | 8n38 | 1s 1 | 22n36 | 0n25 | 16n46 | 0n45 | 3n30 | 1n32 | 2s16 | 15s28 | 0s49 | 0s36 | 2s39 | 18s15 | 5n13 |

Julian Day Number = 2130927.5, Delta T = 16m34s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'07, Lahiri = 11°37'08 Julian Calendar 1 March 1122 == Greg. Calendar 8 March 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## APRIL 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 1 2 | 17♈ 6'44 | 6♉ 2 | 5♉51 | 5♓26 | 18♊21 | 24♈51 | 19♋ 4 | 16°R11 | 24°R43 | 2♉13 | 2°R 1 | 1♎28 | 8♎ 5 | 25°R22 | S 1 |
| S 2 | 13 4 59 | 18° 5'14 | 19° 8 | 6°22 | 6°36 | 18°57 | 25° 5 | 19° 6 | 16♌10 | 24♍41 | 2°14 | 2°D 1 | 1°25 | 8°11 | 25♐21 | S 2 |
| M 3 | 13 8 55 | 19° 3'42 | 2♒37 | 6°47 | 7°45 | 19°32 | 25°20 | 19° 8 | 16° 9 | 24°40 | 2°16 | 2♎ 1 | 1°22 | 8°18 | 25°21 | M 3 |
| T 4 | 13 12 52 | 20° 2'08 | 16°30 | 7° 5 | 8°54 | 20° 7 | 25°34 | 19°10 | 16° 8 | 24°38 | 2°17 | 2° 2 | 1°18 | 8°25 | 25°20 | T 4 |
| W 5 | 13 16 48 | 21° 0'32 | 0♓47 | 7°19 | 10° 3 | 20°43 | 25°48 | 19°12 | 16° 8 | 24°37 | 2°18 | 2° 3 | 1°15 | 8°31 | 25°20 | W 5 |
| T 6 | 13 20 45 | 21°58'55 | 15°27 | 7°26 | 11°13 | 21°18 | 26° 3 | 19°15 | 16° 7 | 24°35 | 2°20 | 2° 4 | 1°12 | 8°38 | 25°19 | T 6 |
| F 7 | 13 24 41 | 22°57'16 | 0♈24 | 7°R27 | 12°22 | 21°53 | 26°17 | 19°17 | 16° 7 | 24°34 | 2°21 | 2°R 5 | 1° 9 | 8°44 | 25°18 | F 7 |
| S 8 | 13 28 38 | 23°55'36 | 15°32 | 7°23 | 13°32 | 22°29 | 26°31 | 19°20 | 16° 6 | 24°32 | 2°22 | 2° 5 | 1° 6 | 8°51 | 25°17 | S 8 |
| S 9 | 13 32 34 | 24°53'53 | 0♉42 | 7°14 | 14°41 | 23° 4 | 26°45 | 19°22 | 16° 6 | 24°31 | 2°24 | 2° 3 | 1° 2 | 8°58 | 25°16 | S 9 |
| M10 | 13 36 31 | 25°52'09 | 15°44 | 7° 0 | 15°51 | 23°40 | 27° 0 | 19°25 | 16° 5 | 24°30 | 2°25 | 2° 0 | 0°59 | 9° 4 | 25°15 | M10 |
| T 11 | 13 40 27 | 26°50'23 | 0♊29 | 6°41 | 17° 1 | 24°15 | 27°14 | 19°28 | 16° 5 | 24°28 | 2°26 | 1°57 | 0°56 | 9°11 | 25°14 | T 11 |
| W12 | 13 44 24 | 27°48'35 | 14°51 | 6°18 | 18°11 | 24°51 | 27°28 | 19°31 | 16° 4 | 24°27 | 2°28 | 1°54 | 0°53 | 9°18 | 25°13 | W12 |
| T 13 | 13 48 21 | 28°46'46 | 28°47 | 5°51 | 19°20 | 25°27 | 27°43 | 19°34 | 16° 4 | 24°26 | 2°29 | 1°50 | 0°50 | 9°24 | 25°12 | T 13 |
| F 14 | 13 52 17 | 29°44'54 | 12♋14 | 5°21 | 20°30 | 26° 2 | 27°57 | 19°37 | 16° 4 | 24°24 | 2°30 | 1°48 | 0°47 | 9°31 | 25°10 | F 14 |
| S 15 | 13 56 14 | 0♌43'00 | 25°15 | 4°48 | 21°40 | 26°38 | 28°11 | 19°40 | 16° 4 | 24°23 | 2°32 | 1°D47 | 0°43 | 9°38 | 25° 9 | S 15 |
| S 16 | 14 0 10 | 1°41'04 | 7♌52 | 4°13 | 22°50 | 27°14 | 28°26 | 19°44 | 16° 4 | 24°22 | 2°33 | 1°47 | 0°40 | 9°44 | 25° 7 | S 16 |
| M17 | 14 4 7 | 2°39'06 | 20°10 | 3°37 | 24° 0 | 27°49 | 28°40 | 19°47 | 16°D 4 | 24°21 | 2°34 | 1°48 | 0°37 | 9°51 | 25° 6 | M17 |
| T 18 | 14 8 3 | 3°37'06 | 2♍14 | 3° 0 | 25°11 | 28°25 | 28°54 | 19°51 | 16° 4 | 24°19 | 2°36 | 1°50 | 0°34 | 9°58 | 25° 4 | T 18 |
| W19 | 14 12 0 | 4°35'04 | 14° 7 | 2°23 | 26°21 | 29° 1 | 29° 8 | 19°54 | 16° 4 | 24°18 | 2°37 | 1°51 | 0°31 | 10° 4 | 25° 2 | W19 |
| T 20 | 14 15 56 | 5°33'01 | 25°56 | 1°46 | 27°31 | 29°37 | 29°23 | 19°58 | 16° 4 | 24°17 | 2°39 | 1°R52 | 0°27 | 10°11 | 25° 0 | T 20 |
| F 21 | 14 19 53 | 6°30'55 | 7♎42 | 1°10 | 28°41 | 0♋12 | 29°37 | 20° 2 | 16° 4 | 24°16 | 2°40 | 1°52 | 0°24 | 10°18 | 24°58 | F 21 |
| S 22 | 14 23 50 | 7°28'48 | 19°31 | 0°37 | 29°52 | 0°48 | 29°51 | 20° 6 | 16° 4 | 24°15 | 2°41 | 1°51 | 0°21 | 10°24 | 24°56 | S 22 |
| S 23 | 14 27 46 | 8°26'39 | 1♏24 | 0° 5 | 1♈ 2 | 1°24 | 0♉ 5 | 20° 9 | 16° 5 | 24°14 | 2°43 | 1°48 | 0°18 | 10°31 | 24°54 | S 23 |
| M24 | 14 31 43 | 9°24'29 | 13°23 | 29♈37 | 2°13 | 2° 0 | 0°19 | 20°14 | 16° 5 | 24°13 | 2°44 | 1°43 | 0°15 | 10°37 | 24°52 | M24 |
| T 25 | 14 35 39 | 10°22'17 | 25°31 | 29°11 | 3°23 | 2°36 | 0°34 | 20°18 | 16° 5 | 24°12 | 2°45 | 1°37 | 0°12 | 10°44 | 24°50 | T 25 |
| W26 | 14 39 36 | 11°20'04 | 7♐49 | 28°49 | 4°34 | 3°12 | 0°48 | 20°22 | 16° 6 | 24°11 | 2°47 | 1°30 | 0° 8 | 10°51 | 24°48 | W26 |
| T 27 | 14 43 32 | 12°17'50 | 20°18 | 28°32 | 5°44 | 3°48 | 1° 2 | 20°26 | 16° 6 | 24°10 | 2°48 | 1°23 | 0° 5 | 10°57 | 24°45 | T 27 |
| F 28 | 14 47 29 | 13°15'34 | 2♑59 | 28°18 | 6°55 | 4°24 | 1°16 | 20°31 | 16° 7 | 24° 9 | 2°49 | 1°16 | 0° 2 | 11° 4 | 24°43 | F 28 |
| S 29 | 14 51 25 | 14°13'17 | 15°53 | 28° 8 | 8° 6 | 5° 0 | 1°30 | 20°35 | 16° 7 | 24° 8 | 2°51 | 1°11 | 29♍59 | 11°11 | 24°40 | S 29 |
| S 30 | 14 55 22 | 15♌10'59 | 29♑ 3 | 28♈ 3 | 9♈16 | 5♋36 | 1♉44 | 20♋40 | 16♌ 8 | 24♍ 7 | 2♉52 | 1♎ 8 | 29♍56 | 11♎17 | 24♐38 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n45 | 18s 9 | 5n16 | 16n21 | 3n 0 | 10s19 | 0s49 | 24n33 | 1n31 | 8n43 | 1s 1 | 22n36 | 0n25 | 16n46 | 0n45 | 3n31 | 1n32 | 2s15 | 15s28 | 0s48 | 0s35 | 2s40 | 18s14 | 5n14 |
| S 2 | 7 8 | 17 11 | 5 3 | 16 32 | 3 0 | 9 56 | 0 52 | 24 36 | 1 31 | 8 48 | 1 1 | 22 36 | 0 25 | 16 46 | 0 44 | 3 32 | 1 32 | 2 14 | 15 28 | 0 48 | 0 34 | 2 42 | 18 14 | 5 14 |
| M 3 | 7 30 | 15 14 | 4 33 | 16 39 | 2 59 | 9 33 | 0 55 | 24 38 | 1 31 | 8 54 | 1 1 | 22 36 | 0 25 | 16 47 | 0 44 | 3 32 | 1 32 | 2 14 | 15 28 | 0 48 | 0 33 | 2 44 | 18 13 | 5 15 |
| T 4 | 7 52 | 12 22 | 3 46 | 16 44 | 2 57 | 9 10 | 0 58 | 24 41 | 1 30 | 8 59 | 1 1 | 22 35 | 0 25 | 16 47 | 0 44 | 3 33 | 1 32 | 2 13 | 15 28 | 0 49 | 0 31 | 2 46 | 18 13 | 5 16 |
| W 5 | 8 14 | 8 41 | 2 45 | 16 45 | 2 54 | 8 47 | 1 1 | 24 43 | 1 30 | 9 4 | 1 1 | 22 35 | 0 25 | 16 47 | 0 44 | 3 33 | 1 32 | 2 13 | 15 28 | 0 49 | 0 30 | 2 48 | 18 12 | 5 16 |
| T 6 | 8 36 | 4 22 | 1 31 | 16 43 | 2 49 | 8 23 | 1 4 | 24 46 | 1 30 | 9 9 | 1 1 | 22 35 | 0 25 | 16 47 | 0 44 | 3 34 | 1 32 | 2 12 | 15 28 | 0 50 | 0 29 | 2 49 | 18 11 | 5 17 |
| F 7 | 8 58 | 0n18 | 0 9 | 16 38 | 2 43 | 7 59 | 1 7 | 24 48 | 1 30 | 9 15 | 1 1 | 22 34 | 0 25 | 16 47 | 0 44 | 3 34 | 1 32 | 2 12 | 15 28 | 0 50 | 0 27 | 2 51 | 18 11 | 5 17 |
| S 8 | 9 20 | 5 1 | 1s14 | 16 29 | 2 36 | 7 35 | 1 10 | 24 50 | 1 30 | 9 20 | 1 1 | 22 34 | 0 25 | 16 47 | 0 44 | 3 35 | 1 32 | 2 11 | 15 28 | 0 50 | 0 26 | 2 53 | 18 10 | 5 18 |
| S 9 | 9 41 | 9 24 | 2 31 | 16 18 | 2 27 | 7 10 | 1 13 | 24 52 | 1 30 | 9 25 | 1 1 | 22 34 | 0 25 | 16 47 | 0 44 | 3 35 | 1 32 | 2 11 | 15 28 | 0 49 | 0 25 | 2 55 | 18 10 | 5 18 |
| M10 | 10 2 | 13 9 | 3 38 | 16 4 | 2 17 | 6 46 | 1 15 | 24 53 | 1 30 | 9 30 | 1 1 | 22 33 | 0 25 | 16 48 | 0 44 | 3 36 | 1 32 | 2 10 | 15 28 | 0 48 | 0 24 | 2 57 | 18 9 | 5 19 |
| T 11 | 10 24 | 15 58 | 4 29 | 15 47 | 2 6 | 6 21 | 1 18 | 24 55 | 1 30 | 9 35 | 1 1 | 22 33 | 0 25 | 16 48 | 0 44 | 3 36 | 1 32 | 2 10 | 15 27 | 0 47 | 0 22 | 2 59 | 18 8 | 5 20 |
| W12 | 10 45 | 17 42 | 5 1 | 15 28 | 1 54 | 5 56 | 1 20 | 24 56 | 1 29 | 9 41 | 1 1 | 22 33 | 0 26 | 16 48 | 0 44 | 3 37 | 1 32 | 2 9 | 15 27 | 0 45 | 0 21 | 3 0 | 18 8 | 5 20 |
| T 13 | 11 5 | 18 19 | 5 14 | 15 6 | 1 40 | 5 30 | 1 23 | 24 58 | 1 29 | 9 46 | 1 1 | 22 32 | 0 26 | 16 48 | 0 44 | 3 37 | 1 32 | 2 9 | 15 27 | 0 44 | 0 20 | 3 2 | 18 7 | 5 21 |
| F 14 | 11 26 | 17 51 | 5 9 | 14 43 | 1 26 | 5 5 | 1 25 | 24 59 | 1 29 | 9 51 | 1 1 | 22 32 | 0 26 | 16 48 | 0 44 | 3 38 | 1 32 | 2 8 | 15 27 | 0 43 | 0 19 | 3 4 | 18 7 | 5 21 |
| S 15 | 11 47 | 16 27 | 4 49 | 14 17 | 1 11 | 4 39 | 1 27 | 24 59 | 1 29 | 9 56 | 1 1 | 22 31 | 0 26 | 16 48 | 0 44 | 3 38 | 1 32 | 2 8 | 15 27 | 0 43 | 0 17 | 3 6 | 18 6 | 5 22 |
| S 16 | 12 7 | 14 17 | 4 14 | 13 51 | 0 55 | 4 13 | 1 29 | 25 0 | 1 29 | 10 1 | 1 1 | 22 31 | 0 26 | 16 48 | 0 44 | 3 39 | 1 32 | 2 7 | 15 27 | 0 43 | 0 16 | 3 8 | 18 6 | 5 22 |
| M17 | 12 27 | 11 31 | 3 29 | 13 23 | 0 38 | 3 47 | 1 31 | 25 1 | 1 29 | 10 6 | 1 1 | 22 31 | 0 26 | 16 48 | 0 44 | 3 39 | 1 32 | 2 7 | 15 27 | 0 43 | 0 15 | 3 10 | 18 5 | 5 23 |
| T 18 | 12 47 | 8 19 | 2 36 | 12 54 | 0 21 | 3 21 | 1 33 | 25 1 | 1 29 | 10 12 | 1 0 | 22 30 | 0 26 | 16 48 | 0 44 | 3 40 | 1 32 | 2 7 | 15 27 | 0 44 | 0 14 | 3 11 | 18 4 | 5 23 |
| W19 | 13 7 | 4 48 | 1 36 | 12 25 | 0 4 | 2 55 | 1 35 | 25 1 | 1 28 | 10 17 | 1 0 | 22 30 | 0 26 | 16 48 | 0 44 | 3 40 | 1 32 | 2 6 | 15 27 | 0 44 | 0 12 | 3 13 | 18 4 | 5 24 |
| T 20 | 13 26 | 1 8 | 0 33 | 11 56 | 0s13 | 2 28 | 1 37 | 25 1 | 1 28 | 10 22 | 1 0 | 22 29 | 0 26 | 16 48 | 0 44 | 3 41 | 1 31 | 2 6 | 15 27 | 0 45 | 0 11 | 3 15 | 18 3 | 5 24 |
| F 21 | 13 45 | 2s35 | 0n32 | 11 27 | 0 31 | 2 1 | 1 38 | 25 1 | 1 28 | 10 27 | 1 0 | 22 29 | 0 26 | 16 47 | 0 44 | 3 41 | 1 31 | 2 5 | 15 27 | 0 45 | 0 10 | 3 17 | 18 3 | 5 25 |
| S 22 | 14 4 | 6 12 | 1 35 | 11 0 | 0 48 | 1 35 | 1 40 | 25 1 | 1 28 | 10 32 | 1 0 | 22 28 | 0 26 | 16 47 | 0 44 | 3 42 | 1 31 | 2 5 | 15 27 | 0 44 | 0 8 | 3 19 | 18 2 | 5 25 |
| S 23 | 14 23 | 9 36 | 2 34 | 10 33 | 1 4 | 1 8 | 1 41 | 25 0 | 1 28 | 10 37 | 1 0 | 22 28 | 0 26 | 16 47 | 0 44 | 3 42 | 1 31 | 2 4 | 15 27 | 0 43 | 0 7 | 3 20 | 18 1 | 5 26 |
| M24 | 14 42 | 12 38 | 3 27 | 10 8 | 1 20 | 0 41 | 1 43 | 25 0 | 1 28 | 10 42 | 1 0 | 22 27 | 0 26 | 16 47 | 0 44 | 3 42 | 1 31 | 2 4 | 15 27 | 0 41 | 0 6 | 3 22 | 18 1 | 5 26 |
| T 25 | 15 0 | 15 10 | 4 11 | 9 45 | 1 36 | 0 14 | 1 44 | 24 59 | 1 27 | 10 47 | 1 0 | 22 26 | 0 26 | 16 47 | 0 44 | 3 43 | 1 31 | 2 3 | 15 27 | 0 39 | 0 5 | 3 24 | 18 0 | 5 27 |
| W26 | 15 18 | 17 3 | 4 44 | 9 23 | 1 51 | 0n13 | 1 45 | 24 58 | 1 27 | 10 52 | 1 0 | 22 26 | 0 26 | 16 47 | 0 44 | 3 43 | 1 31 | 2 3 | 15 27 | 0 36 | 0 3 | 3 26 | 18 0 | 5 27 |
| T 27 | 15 36 | 18 8 | 5 4 | 9 4 | 2 4 | 0 40 | 1 46 | 24 57 | 1 27 | 10 57 | 1 0 | 22 25 | 0 26 | 16 47 | 0 44 | 3 44 | 1 31 | 2 3 | 15 27 | 0 33 | 0 2 | 3 28 | 17 59 | 5 28 |
| F 28 | 15 54 | 18 21 | 5 10 | 8 47 | 2 17 | 1 7 | 1 47 | 24 55 | 1 27 | 11 2 | 1 0 | 22 25 | 0 26 | 16 46 | 0 44 | 3 44 | 1 31 | 2 2 | 15 27 | 0 30 | 0 1 | 3 29 | 17 59 | 5 28 |
| S 29 | 16 11 | 17 38 | 5 0 | 8 32 | 2 29 | 1 34 | 1 48 | 24 54 | 1 27 | 11 7 | 1 0 | 22 24 | 0 26 | 16 46 | 0 44 | 3 44 | 1 31 | 2 2 | 15 27 | 0 28 | 0n 0 | 3 31 | 17 58 | 5 29 |
| S 30 | 16n28 | 15s58 | 4n34 | 8n20 | 2s40 | 2n 2 | 1s49 | 24n52 | 1n27 | 11n12 | 1s 0 | 22n23 | 0n26 | 16n46 | 0n44 | 3n45 | 1n31 | 2s 1 | 15s27 | 0s27 | 0n 2 | 3s33 | 17s57 | 5n29 |

Julian Day Number = 2130958.5, Delta T = 16m34s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'11, Lahiri = 11°37'12 Julian Calendar 1 Apr. 1122 == Greg. Calendar 8 Apr. 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## MAY 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 59 19 | 16♉ 8'40 | 12♒30 | 28°D 3 | 10♈27 | 6♋12 | 1♉58 | 20♋44 | 16♎ 9 | 24°R 6 | 2♉53 | 1°D 7 | 29♍53 | 11♎24 | 24°R35 | M 1 |
| T 2 | 15 3 15 | 17° 6'20 | 26°15 | 28♈ 7 | 11°38 | 6°48 | 2°12 | 20°49 | 16° 9 | 24♍ 5 | 2°55 | 1♎ 7 | 29°49 | 11°31 | 24♐32 | T 2 |
| W 3 | 15 7 12 | 18° 3'59 | 10♓19 | 28°16 | 12°49 | 7°24 | 2°26 | 20°54 | 16°10 | 24° 4 | 2°56 | 1° 8 | 29°46 | 11°37 | 24°30 | W 3 |
| T 4 | 15 11 8 | 19° 1'37 | 24°42 | 28°29 | 14° 0 | 8° 0 | 2°40 | 20°59 | 16°11 | 24° 3 | 2°57 | 1°R 9 | 29°43 | 11°44 | 24°27 | T 4 |
| F 5 | 15 15 5 | 19°59'13 | 9♈20 | 28°46 | 15°11 | 8°36 | 2°54 | 21° 4 | 16°12 | 24° 3 | 2°59 | 1° 9 | 29°40 | 11°51 | 24°24 | F 5 |
| S 6 | 15 19 1 | 20°56'49 | 24°11 | 29° 8 | 16°22 | 9°12 | 3° 8 | 21° 9 | 16°13 | 24° 2 | 3° 0 | 1° 7 | 29°37 | 11°57 | 24°21 | S 6 |
| S 7 | 15 22 58 | 21°54'24 | 9♉ 7 | 29°35 | 17°33 | 9°49 | 3°22 | 21°14 | 16°14 | 24° 1 | 3° 1 | 1° 3 | 29°33 | 12° 4 | 24°18 | S 7 |
| M 8 | 15 26 54 | 22°51'57 | 24° 0 | 0♉ 5 | 18°44 | 10°25 | 3°36 | 21°19 | 16°15 | 24° 1 | 3° 3 | 0°57 | 29°30 | 12°11 | 24°15 | M 8 |
| T 9 | 15 30 51 | 23°49'30 | 8♊42 | 0°40 | 19°55 | 11° 1 | 3°50 | 21°24 | 16°16 | 24° 0 | 3° 4 | 0°49 | 29°27 | 12°17 | 24°12 | T 9 |
| W10 | 15 34 48 | 24°47'01 | 23° 5 | 1°18 | 21° 6 | 11°37 | 4° 4 | 21°29 | 16°17 | 23°59 | 3° 5 | 0°41 | 29°24 | 12°24 | 24° 8 | W10 |
| T 11 | 15 38 44 | 25°44'31 | 7♋ 3 | 2° 1 | 22°17 | 12°14 | 4°17 | 21°35 | 16°19 | 23°59 | 3° 6 | 0°33 | 29°21 | 12°30 | 24° 5 | T 11 |
| F 12 | 15 42 41 | 26°42'00 | 20°35 | 2°47 | 23°29 | 12°50 | 4°31 | 21°40 | 16°20 | 23°58 | 3° 8 | 0°26 | 29°18 | 12°37 | 24° 2 | F 12 |
| S 13 | 15 46 37 | 27°39'28 | 3♌39 | 3°37 | 24°40 | 13°26 | 4°45 | 21°46 | 16°21 | 23°58 | 3° 9 | 0°21 | 29°14 | 12°44 | 23°59 | S 13 |
| S 14 | 15 50 34 | 28°36'54 | 16°19 | 4°30 | 25°51 | 14° 3 | 4°58 | 21°51 | 16°22 | 23°57 | 3°10 | 0°18 | 29°11 | 12°50 | 23°55 | S 14 |
| M15 | 15 54 30 | 29°34'19 | 28°39 | 5°27 | 27° 3 | 14°39 | 5°12 | 21°57 | 16°24 | 23°57 | 3°11 | 0°D18 | 29° 8 | 12°57 | 23°52 | M15 |
| T 16 | 15 58 27 | 0♊31'43 | 10♍42 | 6°27 | 28°14 | 15°15 | 5°26 | 22° 3 | 16°25 | 23°56 | 3°13 | 0°18 | 29° 5 | 13° 4 | 23°48 | T 16 |
| W17 | 16 2 23 | 1°29'05 | 22°35 | 7°31 | 29°25 | 15°52 | 5°39 | 22° 8 | 16°27 | 23°56 | 3°14 | 0°19 | 29° 2 | 13°10 | 23°45 | W17 |
| T 18 | 16 6 20 | 2°26'27 | 4♎23 | 8°38 | 0♉37 | 16°28 | 5°53 | 22°14 | 16°28 | 23°55 | 3°15 | 0°R19 | 28°59 | 13°17 | 23°41 | T 18 |
| F 19 | 16 10 17 | 3°23'47 | 16°11 | 9°48 | 1°48 | 17° 5 | 6° 6 | 22°20 | 16°30 | 23°55 | 3°16 | 0°17 | 28°55 | 13°24 | 23°38 | F 19 |
| S 20 | 16 14 13 | 4°21'06 | 28° 2 | 11° 1 | 3° 0 | 17°41 | 6°19 | 22°26 | 16°32 | 23°55 | 3°18 | 0°14 | 28°52 | 13°30 | 23°34 | S 20 |
| S 21 | 16 18 10 | 5°18'25 | 10♏ 1 | 12°18 | 4°11 | 18°17 | 6°33 | 22°32 | 16°33 | 23°54 | 3°19 | 0° 8 | 28°49 | 13°37 | 23°30 | S 21 |
| M22 | 16 22 6 | 6°15'42 | 22°11 | 13°37 | 5°23 | 18°54 | 6°46 | 22°38 | 16°35 | 23°54 | 3°20 | 29♍59 | 28°46 | 13°44 | 23°27 | M22 |
| T 23 | 16 26 3 | 7°12'59 | 4♐32 | 15° 0 | 6°34 | 19°31 | 6°59 | 22°44 | 16°37 | 23°54 | 3°21 | 29°49 | 28°43 | 13°50 | 23°23 | T 23 |
| W24 | 16 29 59 | 8°10'15 | 17° 6 | 16°25 | 7°46 | 20° 7 | 7°13 | 22°51 | 16°39 | 23°54 | 3°22 | 29°38 | 28°39 | 13°57 | 23°19 | W24 |
| T 25 | 16 33 56 | 9° 7'30 | 29°52 | 17°53 | 8°58 | 20°44 | 7°26 | 22°57 | 16°41 | 23°53 | 3°23 | 29°26 | 28°36 | 14° 4 | 23°15 | T 25 |
| F 26 | 16 37 52 | 10° 4'45 | 12♑52 | 19°25 | 10° 9 | 21°20 | 7°39 | 23° 3 | 16°43 | 23°53 | 3°25 | 29°15 | 28°33 | 14°10 | 23°12 | F 26 |
| S 27 | 16 41 49 | 11° 2'00 | 26° 3 | 20°59 | 11°21 | 21°57 | 7°52 | 23°10 | 16°45 | 23°53 | 3°26 | 29° 7 | 28°30 | 14°17 | 23° 8 | S 27 |
| S 28 | 16 45 46 | 11°59'14 | 9♒26 | 22°36 | 12°33 | 22°33 | 8° 5 | 23°16 | 16°47 | 23°53 | 3°27 | 29° 1 | 28°27 | 14°24 | 23° 4 | S 28 |
| M29 | 16 49 42 | 12°56'27 | 23° 0 | 24°16 | 13°45 | 23°10 | 8°18 | 23°22 | 16°49 | 23°53 | 3°28 | 28°57 | 28°24 | 14°30 | 23° 0 | M29 |
| T 30 | 16 53 39 | 13°53'41 | 6♓46 | 25°59 | 14°57 | 23°47 | 8°31 | 23°29 | 16°51 | 23°D53 | 3°29 | 28°56 | 28°20 | 14°37 | 22°56 | T 30 |
| W31 | 16 57 35 | 14♊50'54 | 20♓44 | 27♉45 | 16♉ 8 | 24♋23 | 8♉44 | 23♋36 | 16♎53 | 23♍53 | 3♉30 | 28♍56 | 28♍17 | 14♎43 | 22♐52 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n45 | 13s24 | 3n53 | 8n11 | 2s50 | 2n29 | 1s49 | 24n50 | 1n26 | 11n16 | 1s 0 | 22n23 | 0n26 | 16n46 | 0n43 | 3n45 | 1n31 | 2s 1 | 15s27 | 0s27 | 0n 3 | 3s35 | 17s57 | 5n30 |
| T 2 | 17 1 | 10 3 | 2 58 | 8 4 | 2 59 | 2 56 | 1 50 | 24 49 | 1 26 | 11 21 | 1 0 | 22 22 | 0 27 | 16 45 | 0 43 | 3 45 | 1 31 | 2 1 | 15 27 | 0 27 | 0 4 | 3 37 | 17 56 | 5 30 |
| W 3 | 17 18 | 6 2 | 1 50 | 7 59 | 3 7 | 3 23 | 1 51 | 24 46 | 1 26 | 11 26 | 1 0 | 22 21 | 0 27 | 16 45 | 0 43 | 3 45 | 1 31 | 2 0 | 15 28 | 0 27 | 0 6 | 3 39 | 17 56 | 5 31 |
| T 4 | 17 33 | 1 35 | 0 35 | 7 57 | 3 14 | 3 50 | 1 51 | 24 44 | 1 26 | 11 31 | 1 0 | 22 21 | 0 27 | 16 45 | 0 43 | 3 46 | 1 31 | 2 0 | 15 28 | 0 28 | 0 7 | 3 40 | 17 55 | 5 31 |
| F 5 | 17 49 | 3n 3 | 0s44 | 7 58 | 3 20 | 4 18 | 1 51 | 24 42 | 1 26 | 11 36 | 1 0 | 22 20 | 0 27 | 16 45 | 0 43 | 3 46 | 1 31 | 2 0 | 15 28 | 0 28 | 0 8 | 3 42 | 17 55 | 5 31 |
| S 6 | 18 5 | 7 33 | 2 1 | 8 1 | 3 25 | 4 45 | 1 52 | 24 39 | 1 25 | 11 40 | 1 0 | 22 19 | 0 27 | 16 44 | 0 43 | 3 46 | 1 31 | 1 59 | 15 28 | 0 27 | 0 9 | 3 44 | 17 54 | 5 32 |
| S 7 | 18 20 | 11 36 | 3 10 | 8 7 | 3 29 | 5 12 | 1 52 | 24 36 | 1 25 | 11 45 | 1 0 | 22 18 | 0 27 | 16 44 | 0 43 | 3 47 | 1 31 | 1 59 | 15 28 | 0 25 | 0 11 | 3 46 | 17 54 | 5 32 |
| M 8 | 18 34 | 14 53 | 4 6 | 8 15 | 3 32 | 5 39 | 1 52 | 24 33 | 1 25 | 11 50 | 1 0 | 22 18 | 0 27 | 16 44 | 0 43 | 3 47 | 1 31 | 1 58 | 15 28 | 0 23 | 0 12 | 3 48 | 17 53 | 5 33 |
| T 9 | 18 49 | 17 10 | 4 44 | 8 25 | 3 34 | 6 6 | 1 52 | 24 30 | 1 25 | 11 55 | 1 0 | 22 17 | 0 27 | 16 43 | 0 43 | 3 47 | 1 31 | 1 58 | 15 28 | 0 20 | 0 13 | 3 49 | 17 53 | 5 33 |
| W10 | 19 3 | 18 19 | 5 4 | 8 37 | 3 35 | 6 32 | 1 52 | 24 27 | 1 25 | 11 59 | 1 0 | 22 16 | 0 27 | 16 43 | 0 43 | 3 47 | 1 31 | 1 58 | 15 28 | 0 16 | 0 14 | 3 51 | 17 52 | 5 33 |
| T 11 | 19 17 | 18 18 | 5 5 | 8 51 | 3 36 | 6 59 | 1 52 | 24 23 | 1 24 | 12 4 | 1 0 | 22 15 | 0 27 | 16 42 | 0 43 | 3 47 | 1 31 | 1 57 | 15 28 | 0 13 | 0 16 | 3 53 | 17 52 | 5 34 |
| F 12 | 19 31 | 17 13 | 4 48 | 9 7 | 3 35 | 7 26 | 1 52 | 24 19 | 1 24 | 12 9 | 1 0 | 22 15 | 0 27 | 16 42 | 0 43 | 3 48 | 1 31 | 1 57 | 15 28 | 0 10 | 0 17 | 3 55 | 17 51 | 5 34 |
| S 13 | 19 44 | 15 16 | 4 17 | 9 26 | 3 34 | 7 52 | 1 51 | 24 16 | 1 24 | 12 13 | 1 0 | 22 14 | 0 27 | 16 42 | 0 43 | 3 48 | 1 31 | 1 57 | 15 28 | 0 8 | 0 18 | 3 57 | 17 51 | 5 35 |
| S 14 | 19 57 | 12 37 | 3 34 | 9 45 | 3 32 | 8 19 | 1 51 | 24 12 | 1 24 | 12 18 | 1 0 | 22 13 | 0 27 | 16 41 | 0 43 | 3 48 | 1 31 | 1 57 | 15 28 | 0 7 | 0 19 | 3 58 | 17 50 | 5 35 |
| M15 | 20 9 | 9 29 | 2 41 | 10 7 | 3 29 | 8 45 | 1 51 | 24 7 | 1 23 | 12 22 | 1 0 | 22 12 | 0 27 | 16 41 | 0 43 | 3 48 | 1 31 | 1 56 | 15 29 | 0 7 | 0 21 | 4 0 | 17 50 | 5 35 |
| T 16 | 20 21 | 6 0 | 1 43 | 10 30 | 3 25 | 9 11 | 1 50 | 24 3 | 1 23 | 12 27 | 1 0 | 22 11 | 0 27 | 16 40 | 0 43 | 3 48 | 1 31 | 1 56 | 15 29 | 0 7 | 0 22 | 4 2 | 17 49 | 5 36 |
| W17 | 20 33 | 2 19 | 0 41 | 10 55 | 3 21 | 9 37 | 1 49 | 23 59 | 1 23 | 12 31 | 1 0 | 22 10 | 0 27 | 16 40 | 0 43 | 3 48 | 1 31 | 1 56 | 15 29 | 0 7 | 0 23 | 4 4 | 17 49 | 5 36 |
| T 18 | 20 45 | 1s25 | 0n22 | 11 21 | 3 16 | 10 2 | 1 49 | 23 54 | 1 23 | 12 36 | 1 0 | 22 9 | 0 27 | 16 39 | 0 43 | 3 49 | 1 31 | 1 55 | 15 29 | 0 8 | 0 25 | 4 6 | 17 48 | 5 36 |
| F 19 | 20 56 | 5 6 | 1 24 | 11 49 | 3 10 | 10 28 | 1 48 | 23 49 | 1 23 | 12 40 | 1 0 | 22 8 | 0 27 | 16 39 | 0 43 | 3 49 | 1 30 | 1 55 | 15 29 | 0 7 | 0 26 | 4 7 | 17 48 | 5 37 |
| S 20 | 21 7 | 8 36 | 2 22 | 12 17 | 3 4 | 10 53 | 1 47 | 23 44 | 1 22 | 12 45 | 1 0 | 22 7 | 0 27 | 16 38 | 0 43 | 3 49 | 1 30 | 1 55 | 15 29 | 0 6 | 0 27 | 4 9 | 17 47 | 5 37 |
| S 21 | 21 17 | 11 48 | 3 15 | 12 47 | 2 57 | 11 18 | 1 46 | 23 39 | 1 22 | 12 49 | 1 0 | 22 7 | 0 28 | 16 38 | 0 43 | 3 49 | 1 30 | 1 55 | 15 29 | 0 3 | 0 28 | 4 11 | 17 47 | 5 37 |
| M22 | 21 27 | 14 32 | 4 0 | 13 18 | 2 50 | 11 43 | 1 45 | 23 34 | 1 22 | 12 53 | 1 0 | 22 6 | 0 28 | 16 37 | 0 43 | 3 49 | 1 30 | 1 54 | 15 30 | 0n 0 | 0 30 | 4 13 | 17 46 | 5 37 |
| T 23 | 21 37 | 16 39 | 4 34 | 13 50 | 2 42 | 12 8 | 1 44 | 23 28 | 1 22 | 12 58 | 1 0 | 22 5 | 0 28 | 16 36 | 0 43 | 3 49 | 1 30 | 1 54 | 15 30 | 0 4 | 0 31 | 4 15 | 17 46 | 5 38 |
| W24 | 21 46 | 18 1 | 4 55 | 14 22 | 2 33 | 12 32 | 1 43 | 23 23 | 1 21 | 13 2 | 1 0 | 22 4 | 0 28 | 16 36 | 0 43 | 3 49 | 1 30 | 1 54 | 15 30 | 0 9 | 0 32 | 4 16 | 17 45 | 5 38 |
| T 25 | 21 55 | 18 31 | 5 2 | 14 56 | 2 25 | 12 56 | 1 42 | 23 17 | 1 21 | 13 6 | 1 0 | 22 3 | 0 28 | 16 35 | 0 43 | 3 49 | 1 30 | 1 54 | 15 30 | 0 14 | 0 33 | 4 18 | 17 45 | 5 38 |
| F 26 | 22 4 | 18 3 | 4 54 | 15 30 | 2 15 | 13 20 | 1 41 | 23 11 | 1 21 | 13 10 | 1 0 | 22 2 | 0 28 | 16 35 | 0 43 | 3 49 | 1 30 | 1 54 | 15 30 | 0 18 | 0 35 | 4 20 | 17 44 | 5 39 |
| S 27 | 22 12 | 16 37 | 4 30 | 16 4 | 2 6 | 13 44 | 1 39 | 23 5 | 1 21 | 13 15 | 1 0 | 22 1 | 0 28 | 16 34 | 0 43 | 3 49 | 1 30 | 1 53 | 15 30 | 0 21 | 0 36 | 4 22 | 17 44 | 5 39 |
| S 28 | 22 20 | 14 16 | 3 51 | 16 39 | 1 55 | 14 7 | 1 38 | 22 59 | 1 20 | 13 19 | 1 0 | 22 0 | 0 28 | 16 33 | 0 43 | 3 49 | 1 30 | 1 53 | 15 30 | 0 24 | 0 37 | 4 24 | 17 44 | 5 39 |
| M29 | 22 27 | 11 6 | 2 58 | 17 14 | 1 45 | 14 30 | 1 37 | 22 52 | 1 20 | 13 23 | 1 0 | 21 59 | 0 28 | 16 33 | 0 43 | 3 49 | 1 30 | 1 53 | 15 31 | 0 25 | 0 39 | 4 25 | 17 43 | 5 39 |
| T 30 | 22 34 | 7 18 | 1 55 | 17 49 | 1 34 | 14 53 | 1 35 | 22 46 | 1 20 | 13 27 | 1 1 | 21 57 | 0 28 | 16 32 | 0 42 | 3 49 | 1 30 | 1 53 | 15 31 | 0 26 | 0 40 | 4 27 | 17 43 | 5 39 |
| W31 | 22n41 | 3s 1 | 0n43 | 18n24 | 1s23 | 15n15 | 1s34 | 22n39 | 1n20 | 13n31 | 1s 1 | 21n56 | 0n28 | 16n31 | 0n42 | 3n49 | 1n30 | 1s53 | 15s31 | 0n26 | 0n41 | 4s29 | 17s42 | 5n40 |

Julian Day Number = 2130988.5, Delta T = 16m34s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'16, Lahiri = 11°37'16 Julian Calendar 1 May 1122 == Greg. Calendar 8 May 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## JUNE 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 1 32 | 15♊48'07 | 4♈54 | 29♉33 | 17♉20 | 25♋ 0 | 8♉56 | 23♋42 | 16♎55 | 23♍53 | 3♉31 | 28°R56 | 28♍14 | 14♎50 | 22°R48 | T 1 |
| F 2 | 17 5 28 | 16°45'20 | 19°15 | 1♊24 | 18°32 | 25°37 | 9° 9 | 23°49 | 16°58 | 23°53 | 3°32 | 28♍54 | 28°11 | 14°57 | 22♐44 | F 2 |
| S 3 | 17 9 25 | 17°42'33 | 3♉44 | 3°18 | 19°44 | 26°14 | 9°22 | 23°56 | 17° 0 | 23°53 | 3°33 | 28°51 | 28° 8 | 15° 3 | 22°41 | S 3 |
| S 4 | 17 13 21 | 18°39'45 | 18°17 | 5°14 | 20°56 | 26°50 | 9°34 | 24° 2 | 17° 2 | 23°54 | 3°34 | 28°45 | 28° 5 | 15°10 | 22°37 | S 4 |
| M 5 | 17 17 18 | 19°36'58 | 2♊49 | 7°12 | 22° 8 | 27°27 | 9°47 | 24° 9 | 17° 5 | 23°54 | 3°35 | 28°36 | 28° 1 | 15°17 | 22°33 | M 5 |
| T 6 | 17 21 15 | 20°34'11 | 17°14 | 9°13 | 23°20 | 28° 4 | 9°59 | 24°16 | 17° 7 | 23°54 | 3°36 | 28°26 | 27°58 | 15°23 | 22°29 | T 6 |
| W 7 | 17 25 11 | 21°31'23 | 1♋23 | 11°16 | 24°32 | 28°41 | 10°11 | 24°23 | 17° 9 | 23°54 | 3°37 | 28°14 | 27°55 | 15°30 | 22°25 | W 7 |
| T 8 | 17 29 8 | 22°28'35 | 15°13 | 13°21 | 25°45 | 29°18 | 10°24 | 24°30 | 17°12 | 23°54 | 3°38 | 28° 3 | 27°52 | 15°37 | 22°21 | T 8 |
| F 9 | 17 33 4 | 23°25'46 | 28°40 | 15°27 | 26°57 | 29°55 | 10°36 | 24°37 | 17°14 | 23°55 | 3°39 | 27°53 | 27°49 | 15°43 | 22°17 | F 9 |
| S 10 | 17 37 1 | 24°22'58 | 11♌43 | 17°35 | 28° 9 | 0♌31 | 10°48 | 24°44 | 17°17 | 23°55 | 3°40 | 27°45 | 27°45 | 15°50 | 22°13 | S 10 |
| S 11 | 17 40 57 | 25°20'09 | 24°22 | 19°44 | 29°21 | 1° 8 | 11° 0 | 24°51 | 17°20 | 23°56 | 3°41 | 27°40 | 27°42 | 15°57 | 22° 9 | S 11 |
| M12 | 17 44 54 | 26°17'19 | 6♍42 | 21°53 | 0♊33 | 1°45 | 11°12 | 24°58 | 17°22 | 23°56 | 3°42 | 27°38 | 27°39 | 16° 3 | 22° 5 | M12 |
| T 13 | 17 48 50 | 27°14'29 | 18°47 | 24° 4 | 1°46 | 2°22 | 11°24 | 25° 5 | 17°25 | 23°56 | 3°43 | 27°37 | 27°36 | 16°10 | 22° 1 | T 13 |
| W14 | 17 52 47 | 28°11'39 | 0♎41 | 26°14 | 2°58 | 2°59 | 11°36 | 25°12 | 17°28 | 23°57 | 3°44 | 27°37 | 27°33 | 16°17 | 21°57 | W14 |
| T 15 | 17 56 44 | 29° 8'49 | 12°29 | 28°24 | 4°10 | 3°36 | 11°48 | 25°19 | 17°30 | 23°57 | 3°44 | 27°37 | 27°30 | 16°23 | 21°53 | T 15 |
| F 16 | 18 0 40 | 0♋ 5'58 | 24°19 | 0♋35 | 5°23 | 4°13 | 11°59 | 25°27 | 17°33 | 23°58 | 3°45 | 27°35 | 27°26 | 16°30 | 21°49 | F 16 |
| S 17 | 18 4 37 | 1° 3'07 | 6♏14 | 2°44 | 6°35 | 4°50 | 12°11 | 25°34 | 17°36 | 23°58 | 3°46 | 27°31 | 27°23 | 16°37 | 21°45 | S 17 |
| S 18 | 18 8 33 | 2° 0'17 | 18°19 | 4°53 | 7°47 | 5°27 | 12°23 | 25°41 | 17°39 | 23°59 | 3°47 | 27°25 | 27°20 | 16°43 | 21°41 | S 18 |
| M19 | 18 12 30 | 2°57'26 | 0♐37 | 7° 1 | 9° 0 | 6° 4 | 12°34 | 25°48 | 17°42 | 24° 0 | 3°48 | 27°16 | 27°17 | 16°50 | 21°38 | M19 |
| T 20 | 18 16 26 | 3°54'35 | 13°10 | 9° 7 | 10°12 | 6°42 | 12°45 | 25°56 | 17°45 | 24° 0 | 3°48 | 27° 5 | 27°14 | 16°57 | 21°34 | T 20 |
| W21 | 18 20 23 | 4°51'44 | 26° 0 | 11°13 | 11°25 | 7°19 | 12°57 | 26° 3 | 17°48 | 24° 1 | 3°49 | 26°53 | 27°11 | 17° 3 | 21°30 | W21 |
| T 22 | 18 24 19 | 5°48'54 | 9♑ 7 | 13°17 | 12°38 | 7°56 | 13° 8 | 26°10 | 17°51 | 24° 2 | 3°50 | 26°40 | 27° 7 | 17°10 | 21°26 | T 22 |
| F 23 | 18 28 16 | 6°46'04 | 22°28 | 15°19 | 13°50 | 8°33 | 13°19 | 26°18 | 17°54 | 24° 3 | 3°51 | 26°29 | 27° 4 | 17°17 | 21°23 | F 23 |
| S 24 | 18 32 13 | 7°43'14 | 6♒ 2 | 17°20 | 15° 3 | 9°10 | 13°30 | 26°25 | 17°57 | 24° 3 | 3°51 | 26°20 | 27° 1 | 17°23 | 21°19 | S 24 |
| S 25 | 18 36 9 | 8°40'25 | 19°46 | 19°19 | 16°15 | 9°47 | 13°41 | 26°33 | 18° 0 | 24° 4 | 3°52 | 26°13 | 26°58 | 17°30 | 21°15 | S 25 |
| M26 | 18 40 6 | 9°37'36 | 3♓38 | 21°16 | 17°28 | 10°25 | 13°51 | 26°40 | 18° 3 | 24° 5 | 3°53 | 26° 9 | 26°55 | 17°36 | 21°11 | M26 |
| T 27 | 18 44 2 | 10°34'47 | 17°36 | 23°12 | 18°41 | 11° 2 | 14° 2 | 26°48 | 18° 6 | 24° 6 | 3°53 | 26° 8 | 26°51 | 17°43 | 21° 8 | T 27 |
| W28 | 18 47 59 | 11°32'00 | 1♈39 | 25° 6 | 19°54 | 11°39 | 14°13 | 26°55 | 18° 9 | 24° 7 | 3°54 | 26°D 8 | 26°48 | 17°50 | 21° 4 | W28 |
| T 29 | 18 51 55 | 12°29'13 | 15°46 | 26°58 | 21° 6 | 12°17 | 14°23 | 27° 3 | 18°12 | 24° 8 | 3°55 | 26°R 8 | 26°45 | 17°56 | 21° 1 | T 29 |
| F 30 | 18 55 52 | 13♋26'27 | 29♈55 | 28♋48 | 22♊19 | 12♌54 | 14♉34 | 27♋10 | 18♌16 | 24♍ 9 | 3♉55 | 26♍ 7 | 26♍42 | 18♎ 3 | 20♐57 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n47 | 1n28 | 0s32 | 18n59 | 1s12 | 15n37 | 1s32 | 22n32 | 1n19 | 13n35 | 1s 1 | 21n55 | 0n28 | 16n31 | 0n42 | 3n49 | 1n30 | 1s52 | 15s31 | 0n26 | 0n42 | 4s31 | 17s42 | 5n40 |
| F 2 | 22 53 | 5 56 | 1 46 | 19 33 | 1 1 | 15 59 | 1 30 | 22 25 | 1 19 | 13 39 | 1 1 | 21 54 | 0 28 | 16 30 | 0 42 | 3 49 | 1 30 | 1 52 | 15 31 | 0 26 | 0 44 | 4 33 | 17 42 | 5 40 |
| S 3 | 22 59 | 10 6 | 2 53 | 20 6 | 0 49 | 16 20 | 1 29 | 22 18 | 1 19 | 13 43 | 1 1 | 21 53 | 0 28 | 16 29 | 0 42 | 3 49 | 1 30 | 1 52 | 15 32 | 0 28 | 0 45 | 4 34 | 17 41 | 5 40 |
| S 4 | 23 4 | 13 40 | 3 50 | 20 39 | 0 38 | 16 41 | 1 27 | 22 10 | 1 19 | 13 47 | 1 1 | 21 52 | 0 28 | 16 28 | 0 42 | 3 49 | 1 30 | 1 52 | 15 32 | 0 30 | 0 46 | 4 36 | 17 41 | 5 40 |
| M 5 | 23 9 | 16 23 | 4 32 | 21 11 | 0 26 | 17 1 | 1 25 | 22 3 | 1 18 | 13 51 | 1 1 | 21 51 | 0 28 | 16 28 | 0 42 | 3 48 | 1 30 | 1 52 | 15 32 | 0 33 | 0 47 | 4 38 | 17 40 | 5 40 |
| T 6 | 23 13 | 18 2 | 4 55 | 21 42 | 0 15 | 17 21 | 1 23 | 21 55 | 1 18 | 13 55 | 1 1 | 21 50 | 0 28 | 16 27 | 0 42 | 3 48 | 1 30 | 1 52 | 15 32 | 0 38 | 0 49 | 4 40 | 17 40 | 5 41 |
| W 7 | 23 17 | 18 32 | 5 1 | 22 11 | 0 4 | 17 41 | 1 21 | 21 47 | 1 18 | 13 59 | 1 1 | 21 49 | 0 28 | 16 26 | 0 42 | 3 48 | 1 30 | 1 52 | 15 32 | 0 42 | 0 50 | 4 42 | 17 40 | 5 41 |
| T 8 | 23 20 | 17 55 | 4 48 | 22 38 | 0n 8 | 18 0 | 1 19 | 21 40 | 1 18 | 14 3 | 1 1 | 21 47 | 0 29 | 16 25 | 0 42 | 3 48 | 1 30 | 1 52 | 15 33 | 0 47 | 0 51 | 4 43 | 17 39 | 5 41 |
| F 9 | 23 23 | 16 17 | 4 19 | 23 3 | 0 18 | 18 19 | 1 17 | 21 31 | 1 17 | 14 6 | 1 1 | 21 46 | 0 29 | 16 25 | 0 42 | 3 48 | 1 30 | 1 51 | 15 33 | 0 51 | 0 52 | 4 45 | 17 39 | 5 41 |
| S 10 | 23 26 | 13 52 | 3 38 | 23 27 | 0 29 | 18 37 | 1 15 | 21 23 | 1 17 | 14 10 | 1 1 | 21 45 | 0 29 | 16 24 | 0 42 | 3 48 | 1 30 | 1 51 | 15 33 | 0 54 | 0 54 | 4 47 | 17 39 | 5 41 |
| S 11 | 23 28 | 10 51 | 2 46 | 23 48 | 0 39 | 18 55 | 1 13 | 21 15 | 1 17 | 14 14 | 1 1 | 21 44 | 0 29 | 16 23 | 0 42 | 3 48 | 1 30 | 1 51 | 15 33 | 0 56 | 0 55 | 4 49 | 17 38 | 5 41 |
| M12 | 23 30 | 7 25 | 1 48 | 24 6 | 0 48 | 19 12 | 1 11 | 21 6 | 1 17 | 14 17 | 1 1 | 21 43 | 0 29 | 16 22 | 0 42 | 3 47 | 1 29 | 1 51 | 15 34 | 0 57 | 0 56 | 4 51 | 17 38 | 5 41 |
| T 13 | 23 31 | 3 45 | 0 47 | 24 22 | 0 57 | 19 29 | 1 9 | 20 58 | 1 16 | 14 21 | 1 1 | 21 41 | 0 29 | 16 21 | 0 42 | 3 47 | 1 29 | 1 51 | 15 34 | 0 57 | 0 58 | 4 52 | 17 38 | 5 41 |
| W14 | 23 32 | 0s 1 | 0n16 | 24 35 | 1 6 | 19 46 | 1 6 | 20 49 | 1 16 | 14 25 | 1 1 | 21 40 | 0 29 | 16 20 | 0 42 | 3 47 | 1 29 | 1 51 | 15 34 | 0 57 | 0 59 | 4 54 | 17 38 | 5 41 |
| T 15 | 23 33 | 3 46 | 1 18 | 24 46 | 1 13 | 20 2 | 1 4 | 20 40 | 1 16 | 14 28 | 1 1 | 21 39 | 0 29 | 16 20 | 0 42 | 3 47 | 1 29 | 1 51 | 15 34 | 0 57 | 1 0 | 4 56 | 17 37 | 5 41 |
| F 16 | 23 33 | 7 21 | 2 17 | 24 53 | 1 20 | 20 17 | 1 2 | 20 31 | 1 16 | 14 32 | 1 1 | 21 38 | 0 29 | 16 19 | 0 42 | 3 46 | 1 29 | 1 51 | 15 34 | 0 58 | 1 1 | 4 58 | 17 37 | 5 41 |
| S 17 | 23 33 | 10 41 | 3 9 | 24 58 | 1 27 | 20 32 | 1 0 | 20 22 | 1 15 | 14 35 | 1 1 | 21 36 | 0 29 | 16 18 | 0 42 | 3 46 | 1 29 | 1 51 | 15 35 | 0 59 | 1 3 | 4 59 | 17 37 | 5 41 |
| S 18 | 23 32 | 13 36 | 3 54 | 25 0 | 1 32 | 20 46 | 0 57 | 20 12 | 1 15 | 14 39 | 1 2 | 21 35 | 0 29 | 16 17 | 0 42 | 3 46 | 1 29 | 1 51 | 15 35 | 1 2 | 1 4 | 5 1 | 17 36 | 5 41 |
| M19 | 23 31 | 15 59 | 4 29 | 24 59 | 1 37 | 21 0 | 0 55 | 20 3 | 1 15 | 14 42 | 1 2 | 21 34 | 0 29 | 16 16 | 0 42 | 3 46 | 1 29 | 1 51 | 15 35 | 1 6 | 1 5 | 5 3 | 17 36 | 5 41 |
| T 20 | 23 30 | 17 39 | 4 52 | 24 55 | 1 41 | 21 13 | 0 52 | 19 53 | 1 14 | 14 46 | 1 2 | 21 32 | 0 29 | 16 15 | 0 42 | 3 45 | 1 29 | 1 51 | 15 35 | 1 10 | 1 6 | 5 5 | 17 36 | 5 41 |
| W21 | 23 28 | 18 29 | 5 1 | 24 49 | 1 45 | 21 26 | 0 50 | 19 43 | 1 14 | 14 49 | 1 2 | 21 31 | 0 29 | 16 14 | 0 42 | 3 45 | 1 29 | 1 51 | 15 36 | 1 15 | 1 8 | 5 7 | 17 36 | 5 41 |
| T 22 | 23 25 | 18 21 | 4 54 | 24 40 | 1 47 | 21 38 | 0 48 | 19 33 | 1 14 | 14 52 | 1 2 | 21 30 | 0 29 | 16 13 | 0 42 | 3 45 | 1 29 | 1 51 | 15 36 | 1 20 | 1 9 | 5 8 | 17 36 | 5 41 |
| F 23 | 23 23 | 17 13 | 4 31 | 24 29 | 1 49 | 21 49 | 0 45 | 19 23 | 1 14 | 14 55 | 1 2 | 21 28 | 0 30 | 16 12 | 0 42 | 3 44 | 1 29 | 1 51 | 15 36 | 1 24 | 1 10 | 5 10 | 17 35 | 5 41 |
| S 24 | 23 19 | 15 6 | 3 52 | 24 15 | 1 51 | 22 0 | 0 43 | 19 13 | 1 13 | 14 59 | 1 2 | 21 27 | 0 30 | 16 11 | 0 42 | 3 44 | 1 29 | 1 51 | 15 36 | 1 28 | 1 11 | 5 12 | 17 35 | 5 41 |
| S 25 | 23 16 | 12 7 | 3 0 | 23 59 | 1 51 | 22 10 | 0 40 | 19 3 | 1 13 | 15 2 | 1 2 | 21 26 | 0 30 | 16 10 | 0 42 | 3 44 | 1 29 | 1 51 | 15 37 | 1 31 | 1 13 | 5 14 | 17 35 | 5 41 |
| M26 | 23 12 | 8 25 | 1 56 | 23 41 | 1 51 | 22 20 | 0 38 | 18 53 | 1 13 | 15 5 | 1 2 | 21 24 | 0 30 | 16 9 | 0 42 | 3 43 | 1 29 | 1 51 | 15 37 | 1 32 | 1 14 | 5 15 | 17 35 | 5 41 |
| T 27 | 23 8 | 4 14 | 0 45 | 23 22 | 1 50 | 22 29 | 0 35 | 18 42 | 1 12 | 15 8 | 1 2 | 21 23 | 0 30 | 16 8 | 0 42 | 3 43 | 1 29 | 1 51 | 15 37 | 1 33 | 1 15 | 5 17 | 17 35 | 5 41 |
| W28 | 23 3 | 0n13 | 0s29 | 23 0 | 1 49 | 22 37 | 0 32 | 18 31 | 1 12 | 15 11 | 1 2 | 21 22 | 0 30 | 16 7 | 0 42 | 3 42 | 1 29 | 1 51 | 15 38 | 1 33 | 1 17 | 5 19 | 17 34 | 5 41 |
| T 29 | 22 58 | 4 39 | 1 42 | 22 37 | 1 47 | 22 45 | 0 30 | 18 21 | 1 12 | 15 14 | 1 2 | 21 20 | 0 30 | 16 6 | 0 42 | 3 42 | 1 29 | 1 51 | 15 38 | 1 33 | 1 18 | 5 21 | 17 34 | 5 41 |
| F 30 | 22n52 | 8n51 | 2s49 | 22n12 | 1n44 | 22n52 | 0s27 | 18n10 | 1n11 | 15n17 | 1s 2 | 21n19 | 0n30 | 16n 5 | 0n42 | 3n42 | 1n29 | 1s51 | 15s38 | 1n33 | 1n19 | 5s23 | 17s34 | 5n41 |

Julian Day Number = 2131019.5, Delta T = 16m34s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'20, Lahiri = 11°37'20 Julian Calendar 1 June 1122 == Greg. Calendar 8 June 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## JULY 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 59 48 | 14♋23'42 | 14♉ 7 | 0♌37 | 23♊32 | 13♌31 | 14♉44 | 27♋18 | 18♌19 | 24♍10 | 3♉56 | 26°R 4 | 26♍39 | 18♎10 | 20°R54 | S 1 |
| S 2 | 19 3 45 | 15°20'58 | 28°18 | 2°23 | 24°45 | 14° 9 | 14°54 | 27°26 | 18°22 | 24°11 | 3°56 | 25♍58 | 26°36 | 18°16 | 20♐50 | S 2 |
| M 3 | 19 7 42 | 16°18'14 | 12♊24 | 4° 8 | 25°58 | 14°46 | 15° 4 | 27°33 | 18°25 | 24°12 | 3°57 | 25°51 | 26°32 | 18°23 | 20°47 | M 3 |
| T 4 | 19 11 38 | 17°15'32 | 26°23 | 5°51 | 27°11 | 15°24 | 15°14 | 27°41 | 18°29 | 24°13 | 3°57 | 25°41 | 26°29 | 18°30 | 20°44 | T 4 |
| W 5 | 19 15 35 | 18°12'50 | 10♋10 | 7°32 | 28°24 | 16° 1 | 15°24 | 27°48 | 18°32 | 24°14 | 3°58 | 25°30 | 26°26 | 18°36 | 20°40 | W 5 |
| T 6 | 19 19 31 | 19°10'09 | 23°41 | 9°12 | 29°37 | 16°39 | 15°34 | 27°56 | 18°35 | 24°15 | 3°58 | 25°20 | 26°23 | 18°43 | 20°37 | T 6 |
| F 7 | 19 23 28 | 20° 7'29 | 6♌54 | 10°50 | 0♋50 | 17°16 | 15°43 | 28° 4 | 18°39 | 24°16 | 3°59 | 25°10 | 26°20 | 18°50 | 20°34 | F 7 |
| S 8 | 19 27 24 | 21° 4'49 | 19°47 | 12°25 | 2° 3 | 17°54 | 15°53 | 28°11 | 18°42 | 24°18 | 3°59 | 25° 3 | 26°17 | 18°56 | 20°31 | S 8 |
| S 9 | 19 31 21 | 22° 2'10 | 2♍21 | 14° 0 | 3°16 | 18°31 | 16° 2 | 28°19 | 18°46 | 24°19 | 4° 0 | 24°58 | 26°13 | 19° 3 | 20°28 | S 9 |
| M10 | 19 35 18 | 22°59'31 | 14°38 | 15°32 | 4°30 | 19° 9 | 16°11 | 28°27 | 18°49 | 24°20 | 4° 0 | 24°56 | 26°10 | 19°10 | 20°25 | M10 |
| T 11 | 19 39 14 | 23°56'53 | 26°41 | 17° 2 | 5°43 | 19°47 | 16°21 | 28°35 | 18°53 | 24°21 | 4° 0 | 24°D55 | 26° 7 | 19°16 | 20°22 | T 11 |
| W12 | 19 43 11 | 24°54'16 | 8♎35 | 18°31 | 6°56 | 20°24 | 16°30 | 28°42 | 18°56 | 24°23 | 4° 1 | 24°56 | 26° 4 | 19°23 | 20°19 | W12 |
| T 13 | 19 47 7 | 25°51'39 | 20°24 | 19°58 | 8° 9 | 21° 2 | 16°39 | 28°50 | 18°59 | 24°24 | 4° 1 | 24°R57 | 26° 1 | 19°30 | 20°16 | T 13 |
| F 14 | 19 51 4 | 26°49'03 | 2♏14 | 21°23 | 9°23 | 21°40 | 16°47 | 28°58 | 19° 3 | 24°25 | 4° 1 | 24°57 | 25°57 | 19°36 | 20°14 | F 14 |
| S 15 | 19 55 0 | 27°46'28 | 14°11 | 22°46 | 10°36 | 22°17 | 16°56 | 29° 5 | 19° 7 | 24°27 | 4° 2 | 24°55 | 25°54 | 19°43 | 20°11 | S 15 |
| S 16 | 19 58 57 | 28°43'53 | 26°18 | 24° 7 | 11°49 | 22°55 | 17° 4 | 29°13 | 19°10 | 24°28 | 4° 2 | 24°52 | 25°51 | 19°50 | 20° 8 | S 16 |
| M17 | 20 2 53 | 29°41'19 | 8♐41 | 25°27 | 13° 3 | 23°33 | 17°13 | 29°21 | 19°14 | 24°30 | 4° 2 | 24°46 | 25°48 | 19°56 | 20° 6 | M17 |
| T 18 | 20 6 50 | 0♑38'46 | 21°22 | 26°44 | 14°16 | 24°11 | 17°21 | 29°28 | 19°17 | 24°31 | 4° 2 | 24°39 | 25°45 | 20° 3 | 20° 3 | T 18 |
| W19 | 20 10 46 | 1°36'15 | 4♑24 | 27°59 | 15°30 | 24°48 | 17°29 | 29°36 | 19°21 | 24°32 | 4° 3 | 24°30 | 25°42 | 20°10 | 20° 1 | W19 |
| T 20 | 20 14 43 | 2°33'44 | 17°47 | 29°12 | 16°43 | 25°26 | 17°37 | 29°44 | 19°25 | 24°34 | 4° 3 | 24°21 | 25°38 | 20°16 | 19°58 | T 20 |
| F 21 | 20 18 40 | 3°31'14 | 1♒28 | 0♍23 | 17°57 | 26° 4 | 17°45 | 29°52 | 19°28 | 24°36 | 4° 3 | 24°13 | 25°35 | 20°23 | 19°56 | F 21 |
| S 22 | 20 22 36 | 4°28'45 | 15°26 | 1°32 | 19°10 | 26°42 | 17°53 | 29°59 | 19°32 | 24°37 | 4° 3 | 24° 7 | 25°32 | 20°30 | 19°54 | S 22 |
| S 23 | 20 26 33 | 5°26'17 | 29°35 | 2°38 | 20°24 | 27°20 | 18° 0 | 0♌ 7 | 19°35 | 24°39 | 4° 3 | 24° 2 | 25°29 | 20°36 | 19°52 | S 23 |
| M24 | 20 30 29 | 6°23'51 | 13♓52 | 3°42 | 21°38 | 27°58 | 18° 8 | 0°15 | 19°39 | 24°40 | 4° 3 | 24° 0 | 25°26 | 20°43 | 19°50 | M24 |
| T 25 | 20 34 26 | 7°21'26 | 28°11 | 4°43 | 22°51 | 28°36 | 18°15 | 0°22 | 19°43 | 24°42 | 4° 4 | 24°D 0 | 25°22 | 20°50 | 19°48 | T 25 |
| W26 | 20 38 22 | 8°19'02 | 12♈30 | 5°42 | 24° 5 | 29°14 | 18°22 | 0°30 | 19°46 | 24°44 | 4° 4 | 24° 0 | 25°19 | 20°56 | 19°46 | W26 |
| T 27 | 20 42 19 | 9°16'41 | 26°45 | 6°38 | 25°19 | 29°52 | 18°29 | 0°38 | 19°50 | 24°45 | 4° 4 | 24° 2 | 25°16 | 21° 3 | 19°44 | T 27 |
| F 28 | 20 46 15 | 10°14'20 | 10♉55 | 7°31 | 26°33 | 0♍30 | 18°36 | 0°45 | 19°54 | 24°47 | 4° 4 | 24°R 2 | 25°13 | 21°10 | 19°42 | F 28 |
| S 29 | 20 50 12 | 11°12'02 | 24°58 | 8°21 | 27°46 | 1° 8 | 18°43 | 0°53 | 19°58 | 24°49 | 4°R 4 | 24° 1 | 25°10 | 21°16 | 19°40 | S 29 |
| S 30 | 20 54 9 | 12° 9'45 | 8♊52 | 9° 7 | 29° 0 | 1°46 | 18°49 | 1° 1 | 20° 1 | 24°50 | 4° 4 | 23°59 | 25° 7 | 21°23 | 19°39 | S 30 |
| M31 | 20 58 5 | 13♌ 7'30 | 22♊37 | 9♍50 | 0♌14 | 2♍25 | 18♉56 | 1♌ 8 | 20♌ 5 | 24♍52 | 4♉ 4 | 23♍54 | 25♍ 3 | 21♎29 | 19♐37 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n46 | 12n33 | 3s46 | 21n46 | 1n41 | 22n59 | 0s25 | 17n59 | 1n11 | 15n20 | 1s 3 | 21n17 | 0n30 | 16n 4 | 0n42 | 3n41 | 1n29 | 1s51 | 15s38 | 1n34 | 1n20 | 5s24 | 17s34 | 5n41 |
| S 2 | 22 40 | 15 30 | 4 28 | 21 18 | 1 38 | 23 5 | 0 22 | 17 47 | 1 11 | 15 23 | 1 3 | 21 16 | 0 30 | 16 3 | 0 42 | 3 41 | 1 29 | 1 51 | 15 39 | 1 36 | 1 22 | 5 26 | 17 34 | 5 41 |
| M 3 | 22 33 | 17 31 | 4 55 | 20 50 | 1 33 | 23 10 | 0 20 | 17 36 | 1 10 | 15 26 | 1 3 | 21 14 | 0 30 | 16 2 | 0 42 | 3 40 | 1 29 | 1 51 | 15 39 | 1 40 | 1 23 | 5 28 | 17 34 | 5 41 |
| T 4 | 22 26 | 18 27 | 5 3 | 20 20 | 1 29 | 23 14 | 0 17 | 17 25 | 1 10 | 15 29 | 1 3 | 21 13 | 0 30 | 16 1 | 0 42 | 3 40 | 1 29 | 1 52 | 15 39 | 1 43 | 1 24 | 5 30 | 17 34 | 5 41 |
| W 5 | 22 18 | 18 17 | 4 53 | 19 49 | 1 24 | 23 18 | 0 14 | 17 13 | 1 10 | 15 32 | 1 3 | 21 12 | 0 30 | 16 0 | 0 42 | 3 39 | 1 29 | 1 52 | 15 40 | 1 48 | 1 25 | 5 31 | 17 34 | 5 40 |
| T 6 | 22 10 | 17 5 | 4 27 | 19 18 | 1 18 | 23 21 | 0 12 | 17 2 | 1 10 | 15 34 | 1 3 | 21 10 | 0 30 | 15 59 | 0 42 | 3 39 | 1 28 | 1 52 | 15 40 | 1 52 | 1 27 | 5 33 | 17 34 | 5 40 |
| F 7 | 22 2 | 14 58 | 3 47 | 18 45 | 1 12 | 23 24 | 0 9 | 16 50 | 1 9 | 15 37 | 1 3 | 21 9 | 0 31 | 15 58 | 0 42 | 3 38 | 1 28 | 1 52 | 15 40 | 1 56 | 1 28 | 5 35 | 17 34 | 5 40 |
| S 8 | 21 53 | 12 10 | 2 56 | 18 12 | 1 6 | 23 25 | 0 7 | 16 38 | 1 9 | 15 40 | 1 3 | 21 7 | 0 31 | 15 57 | 0 42 | 3 38 | 1 28 | 1 52 | 15 40 | 1 59 | 1 29 | 5 37 | 17 34 | 5 40 |
| S 9 | 21 44 | 8 51 | 1 58 | 17 39 | 0 59 | 23 27 | 0 4 | 16 26 | 1 9 | 15 42 | 1 3 | 21 6 | 0 31 | 15 56 | 0 42 | 3 37 | 1 28 | 1 52 | 15 41 | 2 0 | 1 31 | 5 39 | 17 33 | 5 40 |
| M10 | 21 35 | 5 14 | 0 55 | 17 5 | 0 52 | 23 27 | 0 1 | 16 14 | 1 8 | 15 45 | 1 3 | 21 4 | 0 31 | 15 55 | 0 42 | 3 37 | 1 28 | 1 52 | 15 41 | 2 1 | 1 32 | 5 40 | 17 33 | 5 40 |
| T 11 | 21 25 | 1 28 | 0n 9 | 16 30 | 0 44 | 23 27 | 0n 1 | 16 2 | 1 8 | 15 47 | 1 4 | 21 3 | 0 31 | 15 54 | 0 42 | 3 36 | 1 28 | 1 53 | 15 41 | 2 2 | 1 33 | 5 42 | 17 33 | 5 39 |
| W12 | 21 15 | 2s18 | 1 13 | 15 55 | 0 36 | 23 26 | 0 4 | 15 49 | 1 8 | 15 50 | 1 4 | 21 1 | 0 31 | 15 53 | 0 42 | 3 36 | 1 28 | 1 53 | 15 42 | 2 1 | 1 34 | 5 44 | 17 33 | 5 39 |
| T 13 | 21 4 | 5 58 | 2 12 | 15 20 | 0 28 | 23 24 | 0 6 | 15 37 | 1 7 | 15 52 | 1 4 | 21 0 | 0 31 | 15 51 | 0 42 | 3 35 | 1 28 | 1 53 | 15 42 | 2 1 | 1 36 | 5 46 | 17 33 | 5 39 |
| F 14 | 20 53 | 9 23 | 3 6 | 14 45 | 0 20 | 23 22 | 0 9 | 15 24 | 1 7 | 15 55 | 1 4 | 20 58 | 0 31 | 15 50 | 0 42 | 3 34 | 1 28 | 1 53 | 15 42 | 2 1 | 1 37 | 5 47 | 17 33 | 5 39 |
| S 15 | 20 42 | 12 28 | 3 53 | 14 10 | 0 11 | 23 19 | 0 11 | 15 12 | 1 7 | 15 57 | 1 4 | 20 57 | 0 31 | 15 49 | 0 42 | 3 34 | 1 28 | 1 53 | 15 42 | 2 2 | 1 38 | 5 49 | 17 33 | 5 39 |
| S 16 | 20 31 | 15 3 | 4 30 | 13 34 | 0 2 | 23 15 | 0 14 | 14 59 | 1 6 | 15 59 | 1 4 | 20 55 | 0 31 | 15 48 | 0 42 | 3 33 | 1 28 | 1 53 | 15 43 | 2 3 | 1 39 | 5 51 | 17 33 | 5 38 |
| M17 | 20 19 | 17 0 | 4 55 | 12 59 | 0s 8 | 23 11 | 0 16 | 14 46 | 1 6 | 16 2 | 1 4 | 20 54 | 0 31 | 15 47 | 0 42 | 3 33 | 1 28 | 1 54 | 15 43 | 2 5 | 1 41 | 5 53 | 17 34 | 5 38 |
| T 18 | 20 6 | 18 11 | 5 6 | 12 24 | 0 17 | 23 6 | 0 19 | 14 33 | 1 6 | 16 4 | 1 4 | 20 52 | 0 31 | 15 46 | 0 42 | 3 32 | 1 28 | 1 54 | 15 43 | 2 8 | 1 42 | 5 54 | 17 34 | 5 38 |
| W19 | 19 54 | 18 27 | 5 2 | 11 49 | 0 27 | 23 0 | 0 21 | 14 20 | 1 5 | 16 6 | 1 4 | 20 51 | 0 32 | 15 45 | 0 41 | 3 31 | 1 28 | 1 54 | 15 44 | 2 12 | 1 43 | 5 56 | 17 34 | 5 38 |
| T 20 | 19 41 | 17 43 | 4 42 | 11 14 | 0 37 | 22 53 | 0 24 | 14 7 | 1 5 | 16 8 | 1 4 | 20 49 | 0 32 | 15 43 | 0 41 | 3 31 | 1 28 | 1 54 | 15 44 | 2 15 | 1 44 | 5 58 | 17 34 | 5 37 |
| F 21 | 19 27 | 15 57 | 4 5 | 10 39 | 0 47 | 22 46 | 0 26 | 13 54 | 1 5 | 16 10 | 1 5 | 20 47 | 0 32 | 15 42 | 0 41 | 3 30 | 1 28 | 1 55 | 15 44 | 2 18 | 1 46 | 6 0 | 17 34 | 5 37 |
| S 22 | 19 14 | 13 13 | 3 13 | 10 5 | 0 57 | 22 38 | 0 28 | 13 41 | 1 4 | 16 12 | 1 5 | 20 46 | 0 32 | 15 41 | 0 41 | 3 30 | 1 28 | 1 55 | 15 45 | 2 21 | 1 47 | 6 2 | 17 34 | 5 37 |
| S 23 | 19 0 | 9 40 | 2 8 | 9 32 | 1 8 | 22 30 | 0 31 | 13 27 | 1 4 | 16 14 | 1 5 | 20 44 | 0 32 | 15 40 | 0 41 | 3 29 | 1 28 | 1 55 | 15 45 | 2 23 | 1 48 | 6 3 | 17 34 | 5 37 |
| M24 | 18 46 | 5 32 | 0 55 | 8 59 | 1 18 | 22 21 | 0 33 | 13 14 | 1 4 | 16 16 | 1 5 | 20 43 | 0 32 | 15 39 | 0 41 | 3 28 | 1 28 | 1 55 | 15 45 | 2 24 | 1 50 | 6 5 | 17 34 | 5 36 |
| T 25 | 18 31 | 1 4 | 0s23 | 8 27 | 1 29 | 22 11 | 0 35 | 13 0 | 1 3 | 16 18 | 1 5 | 20 41 | 0 32 | 15 38 | 0 41 | 3 28 | 1 28 | 1 55 | 15 45 | 2 24 | 1 51 | 6 7 | 17 34 | 5 36 |
| W26 | 18 16 | 3n27 | 1 39 | 7 55 | 1 40 | 22 0 | 0 37 | 12 46 | 1 3 | 16 20 | 1 5 | 20 40 | 0 32 | 15 37 | 0 41 | 3 27 | 1 28 | 1 56 | 15 46 | 2 23 | 1 52 | 6 9 | 17 34 | 5 36 |
| T 27 | 18 1 | 7 45 | 2 48 | 7 25 | 1 50 | 21 49 | 0 39 | 12 33 | 1 2 | 16 22 | 1 5 | 20 38 | 0 32 | 15 35 | 0 41 | 3 26 | 1 28 | 1 56 | 15 46 | 2 23 | 1 53 | 6 10 | 17 35 | 5 35 |
| F 28 | 17 45 | 11 35 | 3 47 | 6 55 | 2 1 | 21 37 | 0 42 | 12 19 | 1 2 | 16 23 | 1 5 | 20 36 | 0 32 | 15 34 | 0 41 | 3 25 | 1 28 | 1 56 | 15 46 | 2 23 | 1 55 | 6 12 | 17 35 | 5 35 |
| S 29 | 17 30 | 14 42 | 4 31 | 6 26 | 2 12 | 21 25 | 0 44 | 12 5 | 1 2 | 16 25 | 1 6 | 20 35 | 0 32 | 15 33 | 0 41 | 3 25 | 1 28 | 1 57 | 15 47 | 2 23 | 1 56 | 6 14 | 17 35 | 5 35 |
| S 30 | 17 14 | 16 57 | 4 59 | 5 59 | 2 23 | 21 12 | 0 46 | 11 51 | 1 1 | 16 27 | 1 6 | 20 33 | 0 33 | 15 32 | 0 41 | 3 24 | 1 28 | 1 57 | 15 47 | 2 24 | 1 57 | 6 16 | 17 35 | 5 35 |
| M31 | 16n57 | 18n11 | 5s10 | 5n33 | 2s34 | 20n58 | 0n48 | 11n37 | 1n 1 | 16n28 | 1s 6 | 20n32 | 0n33 | 15n31 | 0n41 | 3n23 | 1n28 | 1s57 | 15s47 | 2n26 | 1n58 | 6s17 | 17s35 | 5n34 |

Julian Day Number = 2131049.5, Delta T = 16m33s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'24, Lahiri = 11°37'24 Julian Calendar 1 July 1122 == Greg. Calendar 8 July 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## AUGUST 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 2 2 | 14♌ 5'17 | 6♋11 | 10♍30 | 1♌28 | 3♍ 3 | 19♉ 2 | 1♌16 | 20♌ 9 | 24♍54 | 4°R 4 | 23°R49 | 25♍ 0 | 21♎36 | 19°R36 | T 1 |
| W 2 | 21 5 58 | 15° 3'05 | 19°33 | 11° 5 | 2°42 | 3°41 | 19° 8 | 1°23 | 20°13 | 24°56 | 4♉ 3 | 23♍42 | 24°57 | 21°43 | 19♐34 | W 2 |
| T 3 | 21 9 55 | 16° 0'55 | 2♌40 | 11°37 | 3°56 | 4°19 | 19°14 | 1°31 | 20°16 | 24°57 | 4° 3 | 23°36 | 24°54 | 21°49 | 19°33 | T 3 |
| F 4 | 21 13 51 | 16°58'46 | 15°33 | 12° 4 | 5°10 | 4°58 | 19°19 | 1°39 | 20°20 | 24°59 | 4° 3 | 23°30 | 24°51 | 21°56 | 19°32 | F 4 |
| S 5 | 21 17 48 | 17°56'39 | 28°10 | 12°26 | 6°24 | 5°36 | 19°25 | 1°46 | 20°24 | 25° 1 | 4° 3 | 23°26 | 24°48 | 22° 3 | 19°31 | S 5 |
| S 6 | 21 21 44 | 18°54'33 | 10♍33 | 12°44 | 7°38 | 6°14 | 19°30 | 1°54 | 20°27 | 25° 3 | 4° 3 | 23°24 | 24°44 | 22° 9 | 19°30 | S 6 |
| M 7 | 21 25 41 | 19°52'29 | 22°43 | 12°57 | 8°52 | 6°53 | 19°36 | 2° 1 | 20°31 | 25° 5 | 4° 3 | 23°D23 | 24°41 | 22°16 | 19°29 | M 7 |
| T 8 | 21 29 38 | 20°50'26 | 4♎42 | 13° 4 | 10° 6 | 7°31 | 19°41 | 2° 9 | 20°35 | 25° 7 | 4° 3 | 23°23 | 24°38 | 22°23 | 19°28 | T 8 |
| W 9 | 21 33 34 | 21°48'25 | 16°34 | 13°R 6 | 11°21 | 8°10 | 19°45 | 2°16 | 20°39 | 25° 9 | 4° 2 | 23°25 | 24°35 | 22°29 | 19°27 | W 9 |
| T 10 | 21 37 31 | 22°46'25 | 28°23 | 13° 1 | 12°35 | 8°48 | 19°50 | 2°23 | 20°42 | 25°11 | 4° 2 | 23°27 | 24°32 | 22°36 | 19°26 | T 10 |
| F 11 | 21 41 27 | 23°44'26 | 10♏12 | 12°51 | 13°49 | 9°27 | 19°55 | 2°31 | 20°46 | 25°13 | 4° 2 | 23°28 | 24°28 | 22°43 | 19°26 | F 11 |
| S 12 | 21 45 24 | 24°42'29 | 22° 8 | 12°35 | 15° 3 | 10° 5 | 19°59 | 2°38 | 20°50 | 25°15 | 4° 2 | 23°R29 | 24°25 | 22°49 | 19°25 | S 12 |
| S 13 | 21 49 20 | 25°40'33 | 4♐15 | 12°12 | 16°18 | 10°44 | 20° 3 | 2°45 | 20°54 | 25°17 | 4° 1 | 23°29 | 24°22 | 22°56 | 19°25 | S 13 |
| M14 | 21 53 17 | 26°38'39 | 16°38 | 11°44 | 17°32 | 11°22 | 20° 7 | 2°53 | 20°57 | 25°19 | 4° 1 | 23°27 | 24°19 | 23° 3 | 19°24 | M14 |
| T 15 | 21 57 13 | 27°36'47 | 29°20 | 11° 9 | 18°46 | 12° 1 | 20°11 | 3° 0 | 21° 1 | 25°21 | 4° 1 | 23°25 | 24°16 | 23° 9 | 19°24 | T 15 |
| W16 | 22 1 10 | 28°34'55 | 12♑25 | 10°28 | 20° 1 | 12°40 | 20°15 | 3° 7 | 21° 5 | 25°23 | 4° 0 | 23°21 | 24°13 | 23°16 | 19°24 | W16 |
| T 17 | 22 5 7 | 29°33'06 | 25°55 | 9°42 | 21°15 | 13°18 | 20°18 | 3°14 | 21° 9 | 25°25 | 4° 0 | 23°18 | 24° 9 | 23°23 | 19°24 | T 17 |
| F 18 | 22 9 3 | 0♍31'18 | 9♒48 | 8°51 | 22°29 | 13°57 | 20°21 | 3°22 | 21°12 | 25°27 | 3°59 | 23°14 | 24° 6 | 23°29 | 19°D24 | F 18 |
| S 19 | 22 13 0 | 1°29'31 | 24° 3 | 7°57 | 23°44 | 14°36 | 20°24 | 3°29 | 21°16 | 25°29 | 3°59 | 23°12 | 24° 3 | 23°36 | 19°24 | S 19 |
| S 20 | 22 16 56 | 2°27'47 | 8♓34 | 6°59 | 24°58 | 15°15 | 20°27 | 3°36 | 21°20 | 25°31 | 3°59 | 23°10 | 24° 0 | 23°43 | 19°24 | S 20 |
| M21 | 22 20 53 | 3°26'04 | 23°16 | 5°59 | 26°13 | 15°53 | 20°30 | 3°43 | 21°23 | 25°33 | 3°58 | 23°D10 | 23°57 | 23°49 | 19°24 | M21 |
| T 22 | 22 24 49 | 4°24'23 | 8♈ 1 | 4°58 | 27°27 | 16°32 | 20°33 | 3°50 | 21°27 | 25°35 | 3°58 | 23°10 | 23°54 | 23°56 | 19°24 | T 22 |
| W23 | 22 28 46 | 5°22'44 | 22°44 | 3°58 | 28°42 | 17°11 | 20°35 | 3°57 | 21°31 | 25°37 | 3°57 | 23°11 | 23°50 | 24° 3 | 19°25 | W23 |
| T 24 | 22 32 42 | 6°21'08 | 7♉18 | 3° 1 | 29°56 | 17°50 | 20°37 | 4° 4 | 21°34 | 25°39 | 3°57 | 23°12 | 23°47 | 24° 9 | 19°25 | T 24 |
| F 25 | 22 36 39 | 7°19'33 | 21°38 | 2° 6 | 1♍11 | 18°29 | 20°39 | 4°11 | 21°38 | 25°41 | 3°56 | 23°13 | 23°44 | 24°16 | 19°26 | F 25 |
| S 26 | 22 40 36 | 8°18'01 | 5♊44 | 1°16 | 2°26 | 19° 8 | 20°41 | 4°18 | 21°42 | 25°44 | 3°55 | 23°R14 | 23°41 | 24°23 | 19°26 | S 26 |
| S 27 | 22 44 32 | 9°16'31 | 19°33 | 0°33 | 3°40 | 19°47 | 20°42 | 4°25 | 21°45 | 25°46 | 3°55 | 23°14 | 23°38 | 24°29 | 19°27 | S 27 |
| M28 | 22 48 29 | 10°15'04 | 3♋ 4 | 29♌56 | 4°55 | 20°26 | 20°44 | 4°31 | 21°49 | 25°48 | 3°54 | 23°13 | 23°34 | 24°36 | 19°28 | M28 |
| T 29 | 22 52 25 | 11°13'38 | 16°20 | 29°28 | 6°10 | 21° 5 | 20°45 | 4°38 | 21°53 | 25°50 | 3°54 | 23°12 | 23°31 | 24°43 | 19°29 | T 29 |
| W30 | 22 56 22 | 12°12'15 | 29°19 | 29° 8 | 7°24 | 21°45 | 20°46 | 4°45 | 21°56 | 25°52 | 3°53 | 23°10 | 23°28 | 24°49 | 19°30 | W30 |
| T 31 | 23 0 18 | 13♍10'54 | 12♌ 5 | 28♌58 | 8♍39 | 22♍24 | 20♉46 | 4♌51 | 22♌ 0 | 25♍54 | 3♉52 | 23♍ 9 | 23♍25 | 24♎56 | 19♐31 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n41 | 18n22 | 5s 3 | 5n 8 | 2s44 | 20n44 | 0n50 | 11n23 | 1n 1 | 16n30 | 1s 6 | 20n30 | 0n33 | 15n29 | 0n41 | 3n23 | 1n28 | 1s57 | 15s48 | 2n28 | 2n 0 | 6s19 | 17s36 | 5n34 |
| W 2 | 16 24 | 17 31 | 4 39 | 4 45 | 2 55 | 20 29 | 0 52 | 11 8 | 1 0 | 16 32 | 1 6 | 20 29 | 0 33 | 15 28 | 0 41 | 3 22 | 1 28 | 1 58 | 15 48 | 2 31 | 2 1 | 6 21 | 17 36 | 5 34 |
| T 3 | 16 7 | 15 44 | 4 1 | 4 23 | 3 5 | 20 14 | 0 54 | 10 54 | 1 0 | 16 33 | 1 6 | 20 27 | 0 33 | 15 27 | 0 41 | 3 21 | 1 28 | 1 58 | 15 48 | 2 33 | 2 2 | 6 23 | 17 36 | 5 33 |
| F 4 | 15 49 | 13 12 | 3 12 | 4 4 | 3 15 | 19 58 | 0 55 | 10 40 | 1 0 | 16 35 | 1 6 | 20 25 | 0 33 | 15 26 | 0 41 | 3 20 | 1 28 | 1 58 | 15 48 | 2 35 | 2 3 | 6 24 | 17 36 | 5 33 |
| S 5 | 15 31 | 10 5 | 2 13 | 3 46 | 3 25 | 19 41 | 0 57 | 10 25 | 0 59 | 16 36 | 1 6 | 20 24 | 0 33 | 15 25 | 0 41 | 3 20 | 1 28 | 1 59 | 15 49 | 2 37 | 2 5 | 6 26 | 17 36 | 5 33 |
| S 6 | 15 13 | 6 34 | 1 10 | 3 31 | 3 34 | 19 24 | 0 59 | 10 11 | 0 59 | 16 37 | 1 7 | 20 22 | 0 33 | 15 23 | 0 41 | 3 19 | 1 28 | 1 59 | 15 49 | 2 38 | 2 6 | 6 28 | 17 37 | 5 32 |
| M 7 | 14 55 | 2 51 | 0 4 | 3 18 | 3 43 | 19 6 | 1 1 | 9 56 | 0 58 | 16 39 | 1 7 | 20 21 | 0 33 | 15 22 | 0 41 | 3 18 | 1 28 | 1 59 | 15 49 | 2 38 | 2 7 | 6 30 | 17 37 | 5 32 |
| T 8 | 14 37 | 0s56 | 1n 2 | 3 7 | 3 52 | 18 48 | 1 2 | 9 41 | 0 58 | 16 40 | 1 7 | 20 19 | 0 33 | 15 21 | 0 41 | 3 17 | 1 28 | 2 0 | 15 50 | 2 38 | 2 8 | 6 31 | 17 37 | 5 32 |
| W 9 | 14 18 | 4 38 | 2 4 | 2 59 | 3 59 | 18 29 | 1 4 | 9 26 | 0 58 | 16 41 | 1 7 | 20 17 | 0 34 | 15 20 | 0 41 | 3 17 | 1 28 | 2 0 | 15 50 | 2 38 | 2 10 | 6 33 | 17 38 | 5 31 |
| T 10 | 13 59 | 8 8 | 3 0 | 2 55 | 4 6 | 18 9 | 1 6 | 9 12 | 0 57 | 16 42 | 1 7 | 20 16 | 0 34 | 15 19 | 0 41 | 3 16 | 1 27 | 2 0 | 15 50 | 2 37 | 2 11 | 6 35 | 17 38 | 5 31 |
| F 11 | 13 40 | 11 19 | 3 49 | 2 53 | 4 12 | 17 50 | 1 7 | 8 57 | 0 57 | 16 43 | 1 7 | 20 14 | 0 34 | 15 17 | 0 41 | 3 15 | 1 27 | 2 1 | 15 51 | 2 36 | 2 12 | 6 37 | 17 38 | 5 31 |
| S 12 | 13 21 | 14 3 | 4 29 | 2 55 | 4 17 | 17 29 | 1 9 | 8 42 | 0 57 | 16 44 | 1 7 | 20 13 | 0 34 | 15 16 | 0 41 | 3 14 | 1 27 | 2 1 | 15 51 | 2 36 | 2 14 | 6 38 | 17 38 | 5 30 |
| S 13 | 13 1 | 16 14 | 4 57 | 3 0 | 4 21 | 17 8 | 1 10 | 8 27 | 0 56 | 16 45 | 1 8 | 20 11 | 0 34 | 15 15 | 0 41 | 3 13 | 1 27 | 2 2 | 15 51 | 2 36 | 2 15 | 6 40 | 17 39 | 5 30 |
| M14 | 12 41 | 17 42 | 5 12 | 3 9 | 4 23 | 16 47 | 1 11 | 8 12 | 0 56 | 16 46 | 1 8 | 20 10 | 0 34 | 15 14 | 0 41 | 3 12 | 1 27 | 2 2 | 15 51 | 2 37 | 2 16 | 6 42 | 17 39 | 5 29 |
| T 15 | 12 21 | 18 20 | 5 13 | 3 21 | 4 24 | 16 25 | 1 12 | 7 56 | 0 55 | 16 47 | 1 8 | 20 8 | 0 34 | 15 13 | 0 42 | 3 12 | 1 27 | 2 2 | 15 52 | 2 38 | 2 17 | 6 44 | 17 39 | 5 29 |
| W16 | 12 1 | 18 2 | 4 57 | 3 37 | 4 23 | 16 3 | 1 14 | 7 41 | 0 55 | 16 48 | 1 8 | 20 6 | 0 34 | 15 12 | 0 42 | 3 11 | 1 27 | 2 3 | 15 52 | 2 39 | 2 19 | 6 45 | 17 40 | 5 29 |
| T 17 | 11 41 | 16 43 | 4 25 | 3 56 | 4 21 | 15 40 | 1 15 | 7 26 | 0 55 | 16 49 | 1 8 | 20 5 | 0 34 | 15 10 | 0 42 | 3 10 | 1 27 | 2 3 | 15 52 | 2 40 | 2 20 | 6 47 | 17 40 | 5 28 |
| F 18 | 11 20 | 14 24 | 3 37 | 4 19 | 4 17 | 15 17 | 1 16 | 7 11 | 0 54 | 16 49 | 1 8 | 20 3 | 0 35 | 15 9 | 0 42 | 3 9 | 1 27 | 2 3 | 15 52 | 2 42 | 2 21 | 6 49 | 17 40 | 5 28 |
| S 19 | 11 0 | 11 9 | 2 34 | 4 45 | 4 10 | 14 53 | 1 17 | 6 55 | 0 54 | 16 50 | 1 8 | 20 2 | 0 35 | 15 8 | 0 42 | 3 8 | 1 27 | 2 4 | 15 53 | 2 43 | 2 22 | 6 51 | 17 41 | 5 28 |
| S 20 | 10 39 | 7 10 | 1 20 | 5 14 | 4 2 | 14 29 | 1 18 | 6 40 | 0 53 | 16 51 | 1 9 | 20 0 | 0 35 | 15 7 | 0 42 | 3 8 | 1 27 | 2 4 | 15 53 | 2 43 | 2 24 | 6 52 | 17 41 | 5 27 |
| M21 | 10 18 | 2 42 | 0s 1 | 5 46 | 3 52 | 14 4 | 1 19 | 6 24 | 0 53 | 16 51 | 1 9 | 19 59 | 0 35 | 15 6 | 0 42 | 3 7 | 1 27 | 2 5 | 15 53 | 2 44 | 2 25 | 6 54 | 17 42 | 5 27 |
| T 22 | 9 56 | 1n57 | 1 21 | 6 19 | 3 40 | 13 40 | 1 20 | 6 9 | 0 53 | 16 52 | 1 9 | 19 57 | 0 35 | 15 4 | 0 42 | 3 6 | 1 27 | 2 5 | 15 54 | 2 43 | 2 26 | 6 56 | 17 42 | 5 27 |
| W23 | 9 35 | 6 28 | 2 36 | 6 54 | 3 26 | 13 14 | 1 21 | 5 53 | 0 52 | 16 52 | 1 9 | 19 55 | 0 35 | 15 3 | 0 42 | 3 5 | 1 27 | 2 5 | 15 54 | 2 43 | 2 27 | 6 58 | 17 42 | 5 26 |
| T 24 | 9 13 | 10 32 | 3 41 | 7 29 | 3 11 | 12 49 | 1 21 | 5 37 | 0 52 | 16 53 | 1 9 | 19 54 | 0 35 | 15 2 | 0 42 | 3 4 | 1 27 | 2 6 | 15 54 | 2 43 | 2 29 | 6 59 | 17 43 | 5 26 |
| F 25 | 8 52 | 13 55 | 4 30 | 8 4 | 2 54 | 12 23 | 1 22 | 5 22 | 0 51 | 16 53 | 1 9 | 19 52 | 0 35 | 15 1 | 0 42 | 3 3 | 1 27 | 2 6 | 15 54 | 2 42 | 2 30 | 7 1 | 17 43 | 5 25 |
| S 26 | 8 30 | 16 24 | 5 2 | 8 38 | 2 36 | 11 56 | 1 23 | 5 6 | 0 51 | 16 53 | 1 9 | 19 51 | 0 35 | 15 0 | 0 42 | 3 2 | 1 27 | 2 7 | 15 55 | 2 42 | 2 31 | 7 3 | 17 44 | 5 25 |
| S 27 | 8 8 | 17 53 | 5 16 | 9 11 | 2 17 | 11 30 | 1 23 | 4 50 | 0 51 | 16 54 | 1 9 | 19 49 | 0 36 | 14 59 | 0 42 | 3 2 | 1 27 | 2 7 | 15 55 | 2 42 | 2 33 | 7 4 | 17 44 | 5 25 |
| M28 | 7 46 | 18 19 | 5 12 | 9 42 | 1 58 | 11 3 | 1 24 | 4 34 | 0 50 | 16 54 | 1 10 | 19 48 | 0 36 | 14 57 | 0 42 | 3 1 | 1 27 | 2 8 | 15 55 | 2 42 | 2 34 | 7 6 | 17 45 | 5 24 |
| T 29 | 7 23 | 17 44 | 4 51 | 10 11 | 1 38 | 10 36 | 1 24 | 4 19 | 0 50 | 16 54 | 1 10 | 19 46 | 0 36 | 14 56 | 0 42 | 3 0 | 1 27 | 2 8 | 15 55 | 2 43 | 2 35 | 7 8 | 17 45 | 5 24 |
| W30 | 7 1 | 16 13 | 4 16 | 10 36 | 1 19 | 10 8 | 1 24 | 4 3 | 0 49 | 16 54 | 1 10 | 19 45 | 0 36 | 14 55 | 0 42 | 2 59 | 1 27 | 2 8 | 15 56 | 2 43 | 2 36 | 7 10 | 17 45 | 5 23 |
| T 31 | 6n38 | 13n55 | 3s29 | 10n58 | 0s59 | 9n40 | 1n25 | 3n47 | 0n49 | 16n54 | 1s10 | 19n43 | 0n36 | 14n54 | 0n42 | 2n58 | 1n27 | 2s 9 | 15s56 | 2n44 | 2n38 | 7s11 | 17s46 | 5n23 |

Julian Day Number = 2131080.5, Delta T = 16m33s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'28, Lahiri = 11°37'29 Julian Calendar 1 Aug. 1122 == Greg. Calendar 8 Aug. 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## SEPTEMBER 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 4 15 | 14♍ 9'35 | 24♌37 | 28°D57 | 9♍54 | 23♍ 3 | 20♉47 | 4♌58 | 22♌ 3 | 25♍57 | 3°R52 | 23°R 7 | 23♍22 | 25♎ 3 | 19♐32 | F 1 |
| S 2 | 23 8 11 | 15° 8'18 | 6♍58 | 29♌ 6 | 11° 8 | 23°42 | 20°47 | 5° 4 | 22° 7 | 25°59 | 3♉51 | 23♍ 7 | 23°19 | 25° 9 | 19°33 | S 2 |
| S 3 | 23 12 8 | 16° 7'03 | 19° 7 | 29°25 | 12°23 | 24°22 | 20°R48 | 5°11 | 22°10 | 26° 1 | 3°50 | 23°D 6 | 23°15 | 25°16 | 19°35 | S 3 |
| M 4 | 23 16 4 | 17° 5'50 | 1♎ 8 | 29°53 | 13°38 | 25° 1 | 20°47 | 5°17 | 22°14 | 26° 3 | 3°50 | 23° 6 | 23°12 | 25°23 | 19°36 | M 4 |
| T 5 | 23 20 1 | 18° 4'40 | 13° 2 | 0♍31 | 14°53 | 25°40 | 20°47 | 5°24 | 22°17 | 26° 5 | 3°49 | 23° 7 | 23° 9 | 25°29 | 19°38 | T 5 |
| W 6 | 23 23 58 | 19° 3'31 | 24°52 | 1°17 | 16° 8 | 26°20 | 20°47 | 5°30 | 22°21 | 26° 8 | 3°48 | 23° 7 | 23° 6 | 25°36 | 19°39 | W 6 |
| T 7 | 23 27 54 | 20° 2'23 | 6♏40 | 2°11 | 17°23 | 26°59 | 20°46 | 5°36 | 22°24 | 26°10 | 3°47 | 23° 8 | 23° 3 | 25°43 | 19°41 | T 7 |
| F 8 | 23 31 51 | 21° 1'18 | 18°30 | 3°13 | 18°38 | 27°39 | 20°45 | 5°43 | 22°28 | 26°12 | 3°47 | 23° 8 | 22°59 | 25°49 | 19°43 | F 8 |
| S 9 | 23 35 47 | 22° 0'15 | 0♐25 | 4°22 | 19°52 | 28°18 | 20°44 | 5°49 | 22°31 | 26°14 | 3°46 | 23° 8 | 22°56 | 25°56 | 19°45 | S 9 |
| S 10 | 23 39 44 | 22°59'13 | 12°30 | 5°37 | 21° 7 | 28°58 | 20°43 | 5°55 | 22°34 | 26°17 | 3°45 | 23° 8 | 22°53 | 26° 3 | 19°47 | S 10 |
| M11 | 23 43 40 | 23°58'14 | 24°49 | 6°57 | 22°22 | 29°37 | 20°41 | 6° 1 | 22°38 | 26°19 | 3°44 | 23° 8 | 22°50 | 26° 9 | 19°49 | M11 |
| T 12 | 23 47 37 | 24°57'16 | 7♑27 | 8°22 | 23°37 | 0♎17 | 20°40 | 6° 7 | 22°41 | 26°21 | 3°43 | 23° 8 | 22°47 | 26°16 | 19°51 | T 12 |
| W13 | 23 51 33 | 25°56'20 | 20°28 | 9°51 | 24°52 | 0°57 | 20°38 | 6°13 | 22°44 | 26°23 | 3°43 | 23° 8 | 22°44 | 26°23 | 19°53 | W13 |
| T 14 | 23 55 30 | 26°55'26 | 3♒54 | 11°24 | 26° 7 | 1°36 | 20°36 | 6°19 | 22°48 | 26°26 | 3°42 | 23° 9 | 22°40 | 26°29 | 19°55 | T 14 |
| F 15 | 23 59 27 | 27°54'33 | 17°47 | 13° 0 | 27°22 | 2°16 | 20°34 | 6°24 | 22°51 | 26°28 | 3°41 | 23° 9 | 22°37 | 26°36 | 19°58 | F 15 |
| S 16 | 0 3 23 | 28°53'43 | 2♓ 6 | 14°38 | 28°37 | 2°56 | 20°31 | 6°30 | 22°54 | 26°30 | 3°40 | 23°10 | 22°34 | 26°43 | 20° 0 | S 16 |
| S 17 | 0 7 20 | 29°52'54 | 16°47 | 16°18 | 29°52 | 3°36 | 20°28 | 6°36 | 22°57 | 26°32 | 3°39 | 23°R10 | 22°31 | 26°49 | 20° 2 | S 17 |
| M18 | 0 11 16 | 0♎52'07 | 1♈45 | 18° 0 | 1♎ 7 | 4°15 | 20°26 | 6°41 | 23° 1 | 26°35 | 3°38 | 23°10 | 22°28 | 26°56 | 20° 5 | M18 |
| T 19 | 0 15 13 | 1°51'23 | 16°52 | 19°43 | 2°22 | 4°55 | 20°23 | 6°47 | 23° 4 | 26°37 | 3°37 | 23° 9 | 22°25 | 27° 3 | 20° 8 | T 19 |
| W20 | 0 19 9 | 2°50'40 | 1♉58 | 21°26 | 3°37 | 5°35 | 20°19 | 6°52 | 23° 7 | 26°39 | 3°36 | 23° 8 | 22°21 | 27° 9 | 20°10 | W20 |
| T 21 | 0 23 6 | 3°50'00 | 16°54 | 23°11 | 4°52 | 6°15 | 20°16 | 6°57 | 23°10 | 26°41 | 3°35 | 23° 7 | 22°18 | 27°16 | 20°13 | T 21 |
| F 22 | 0 27 2 | 4°49'22 | 1♊34 | 24°56 | 6° 7 | 6°55 | 20°12 | 7° 3 | 23°13 | 26°43 | 3°34 | 23° 6 | 22°15 | 27°23 | 20°16 | F 22 |
| S 23 | 0 30 59 | 5°48'47 | 15°51 | 26°41 | 7°22 | 7°35 | 20° 9 | 7° 8 | 23°16 | 26°46 | 3°33 | 23° 5 | 22°12 | 27°29 | 20°19 | S 23 |
| S 24 | 0 34 56 | 6°48'14 | 29°45 | 28°26 | 8°37 | 8°15 | 20° 5 | 7°13 | 23°19 | 26°48 | 3°32 | 23° 4 | 22° 9 | 27°36 | 20°22 | S 24 |
| M25 | 0 38 52 | 7°47'43 | 13♋15 | 0♎10 | 9°53 | 8°55 | 20° 0 | 7°18 | 23°22 | 26°50 | 3°31 | 23°D 4 | 22° 5 | 27°43 | 20°25 | M25 |
| T 26 | 0 42 49 | 8°47'15 | 26°21 | 1°55 | 11° 8 | 9°36 | 19°56 | 7°23 | 23°25 | 26°52 | 3°30 | 23° 5 | 22° 2 | 27°49 | 20°29 | T 26 |
| W27 | 0 46 45 | 9°46'49 | 9♌ 8 | 3°39 | 12°23 | 10°16 | 19°51 | 7°28 | 23°28 | 26°54 | 3°29 | 23° 6 | 21°59 | 27°56 | 20°32 | W27 |
| T 28 | 0 50 42 | 10°46'25 | 21°38 | 5°23 | 13°38 | 10°56 | 19°47 | 7°33 | 23°30 | 26°57 | 3°28 | 23° 7 | 21°56 | 28° 3 | 20°35 | T 28 |
| F 29 | 0 54 38 | 11°46'04 | 3♍55 | 7° 7 | 14°53 | 11°36 | 19°42 | 7°38 | 23°33 | 26°59 | 3°27 | 23° 9 | 21°53 | 28° 9 | 20°39 | F 29 |
| S 30 | 0 58 35 | 12♎45'45 | 16♍ 1 | 8♎50 | 16♎ 8 | 12♎17 | 19♉37 | 7♌42 | 23♌36 | 27♍ 1 | 3♉26 | 23♍10 | 21♍50 | 28♎16 | 20♐42 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 6n16 | 11n 0 | 2s32 | 11n16 | 0s40 | 9n12 | 1n25 | 3n31 | 0n48 | 16n54 | 1s10 | 19n42 | 0n36 | 14n53 | 0n42 | 2n57 | 1n27 | 2s 9 | 15s56 | 2n44 | 2n39 | 7s13 | 17s46 | 5n23 | |
| S 2 | 5 53 | 7 38 | 1 29 | 11 30 | 0 22 | 8 44 | 1 25 | 3 15 | 0 48 | 16 54 | 1 10 | 19 40 | 0 36 | 14 52 | 0 42 | 2 56 | 1 27 | 2 10 | 15 56 | 2 45 | 2 40 | 7 15 | 17 47 | 5 22 | |
| S 3 | 5 30 | 3 59 | 0 22 | 11 39 | 0 5 | 8 15 | 1 25 | 2 59 | 0 48 | 16 54 | 1 10 | 19 39 | 0 36 | 14 51 | 0 42 | 2 55 | 1 27 | 2 10 | 15 56 | 2 45 | 2 41 | 7 17 | 17 47 | 5 22 | |
| M 4 | 5 7 | 0 13 | 0n45 | 11 45 | 0n12 | 7 46 | 1 25 | 2 43 | 0 47 | 16 54 | 1 11 | 19 37 | 0 37 | 14 49 | 0 42 | 2 55 | 1 27 | 2 11 | 15 57 | 2 45 | 2 43 | 7 18 | 17 48 | 5 22 | |
| T 5 | 4 44 | 3s30 | 1 49 | 11 46 | 0 27 | 7 17 | 1 25 | 2 27 | 0 47 | 16 54 | 1 11 | 19 36 | 0 37 | 14 48 | 0 42 | 2 54 | 1 27 | 2 11 | 15 57 | 2 45 | 2 44 | 7 20 | 17 48 | 5 21 | |
| W 6 | 4 21 | 7 4 | 2 48 | 11 42 | 0 41 | 6 48 | 1 25 | 2 10 | 0 46 | 16 54 | 1 11 | 19 35 | 0 37 | 14 47 | 0 42 | 2 53 | 1 27 | 2 11 | 15 57 | 2 45 | 2 45 | 7 22 | 17 49 | 5 21 | |
| T 7 | 3 58 | 10 21 | 3 39 | 11 35 | 0 54 | 6 19 | 1 25 | 1 54 | 0 46 | 16 53 | 1 11 | 19 33 | 0 37 | 14 46 | 0 42 | 2 52 | 1 27 | 2 12 | 15 57 | 2 44 | 2 46 | 7 23 | 17 49 | 5 20 | |
| F 8 | 3 35 | 13 13 | 4 22 | 11 23 | 1 5 | 5 49 | 1 24 | 1 38 | 0 45 | 16 53 | 1 11 | 19 32 | 0 37 | 14 45 | 0 42 | 2 51 | 1 27 | 2 12 | 15 58 | 2 44 | 2 48 | 7 25 | 17 50 | 5 20 | |
| S 9 | 3 11 | 15 33 | 4 53 | 11 7 | 1 15 | 5 19 | 1 24 | 1 22 | 0 45 | 16 53 | 1 11 | 19 30 | 0 37 | 14 44 | 0 42 | 2 50 | 1 27 | 2 13 | 15 58 | 2 44 | 2 49 | 7 27 | 17 50 | 5 20 | |
| S 10 | 2 48 | 17 14 | 5 12 | 10 48 | 1 24 | 4 49 | 1 24 | 1 6 | 0 45 | 16 52 | 1 11 | 19 29 | 0 37 | 14 43 | 0 42 | 2 49 | 1 27 | 2 13 | 15 58 | 2 44 | 2 50 | 7 29 | 17 51 | 5 19 | |
| M11 | 2 24 | 18 9 | 5 18 | 10 26 | 1 32 | 4 19 | 1 23 | 0 50 | 0 44 | 16 52 | 1 11 | 19 28 | 0 37 | 14 42 | 0 42 | 2 48 | 1 27 | 2 14 | 15 58 | 2 44 | 2 51 | 7 30 | 17 51 | 5 19 | |
| T 12 | 2 1 | 18 13 | 5 8 | 10 0 | 1 39 | 3 49 | 1 23 | 0 33 | 0 44 | 16 51 | 1 12 | 19 26 | 0 38 | 14 41 | 0 42 | 2 47 | 1 27 | 2 14 | 15 58 | 2 44 | 2 53 | 7 32 | 17 52 | 5 19 | |
| W13 | 1 37 | 17 20 | 4 43 | 9 31 | 1 44 | 3 18 | 1 22 | 0 17 | 0 43 | 16 50 | 1 12 | 19 25 | 0 38 | 14 40 | 0 42 | 2 47 | 1 27 | 2 15 | 15 59 | 2 44 | 2 54 | 7 34 | 17 52 | 5 18 | |
| T 14 | 1 14 | 15 28 | 4 1 | 8 59 | 1 48 | 2 48 | 1 22 | 0 1 | 0 43 | 16 50 | 1 12 | 19 24 | 0 38 | 14 39 | 0 42 | 2 46 | 1 27 | 2 15 | 15 59 | 2 44 | 2 55 | 7 36 | 17 53 | 5 18 | |
| F 15 | 0 50 | 12 39 | 3 4 | 8 25 | 1 51 | 2 17 | 1 21 | 0s16 | 0 42 | 16 49 | 1 12 | 19 22 | 0 38 | 14 37 | 0 42 | 2 45 | 1 27 | 2 15 | 15 59 | 2 44 | 2 56 | 7 37 | 17 53 | 5 18 | |
| S 16 | 0 26 | 9 0 | 1 54 | 7 49 | 1 54 | 1 47 | 1 20 | 0 32 | 0 42 | 16 48 | 1 12 | 19 21 | 0 38 | 14 36 | 0 42 | 2 44 | 1 27 | 2 16 | 15 59 | 2 44 | 2 58 | 7 39 | 17 54 | 5 17 | |
| S 17 | 0 3 | 4 42 | 0 35 | 7 12 | 1 55 | 1 16 | 1 19 | 0 48 | 0 41 | 16 48 | 1 12 | 19 20 | 0 38 | 14 35 | 0 42 | 2 43 | 1 27 | 2 16 | 15 59 | 2 44 | 2 59 | 7 41 | 17 55 | 5 17 | |
| M18 | 0s21 | 0 2 | 0s48 | 6 32 | 1 56 | 0 45 | 1 19 | 1 4 | 0 41 | 16 47 | 1 12 | 19 18 | 0 38 | 14 34 | 0 42 | 2 42 | 1 27 | 2 17 | 15 59 | 2 44 | 3 0 | 7 42 | 17 55 | 5 16 | |
| T 19 | 0 44 | 4n41 | 2 8 | 5 51 | 1 55 | 0 14 | 1 18 | 1 21 | 0 40 | 16 46 | 1 12 | 19 17 | 0 39 | 14 33 | 0 42 | 2 41 | 1 27 | 2 17 | 16 0 | 2 44 | 3 2 | 7 44 | 17 56 | 5 16 | |
| W20 | 1 8 | 9 6 | 3 19 | 5 9 | 1 54 | 0s16 | 1 17 | 1 37 | 0 40 | 16 45 | 1 12 | 19 16 | 0 39 | 14 32 | 0 42 | 2 40 | 1 27 | 2 18 | 16 0 | 2 44 | 3 3 | 7 46 | 17 56 | 5 16 | |
| T 21 | 1 32 | 12 52 | 4 16 | 4 27 | 1 53 | 0 47 | 1 16 | 1 53 | 0 39 | 16 44 | 1 12 | 19 15 | 0 39 | 14 31 | 0 42 | 2 39 | 1 27 | 2 18 | 16 0 | 2 45 | 3 4 | 7 48 | 17 57 | 5 15 | |
| F 22 | 1 56 | 15 45 | 4 55 | 3 43 | 1 50 | 1 18 | 1 15 | 2 10 | 0 39 | 16 43 | 1 13 | 19 14 | 0 39 | 14 30 | 0 42 | 2 39 | 1 27 | 2 19 | 16 0 | 2 45 | 3 5 | 7 49 | 17 57 | 5 15 | |
| S 23 | 2 19 | 17 35 | 5 15 | 2 58 | 1 48 | 1 49 | 1 13 | 2 26 | 0 39 | 16 42 | 1 13 | 19 12 | 0 39 | 14 29 | 0 42 | 2 38 | 1 27 | 2 19 | 16 0 | 2 46 | 3 7 | 7 51 | 17 58 | 5 15 | |
| S 24 | 2 43 | 18 18 | 5 15 | 2 13 | 1 44 | 2 20 | 1 12 | 2 42 | 0 38 | 16 41 | 1 13 | 19 11 | 0 39 | 14 28 | 0 42 | 2 37 | 1 27 | 2 19 | 16 0 | 2 46 | 3 8 | 7 53 | 17 58 | 5 14 | |
| M25 | 3 6 | 17 57 | 4 58 | 1 28 | 1 41 | 2 51 | 1 11 | 2 59 | 0 38 | 16 39 | 1 13 | 19 10 | 0 39 | 14 28 | 0 42 | 2 36 | 1 27 | 2 20 | 16 0 | 2 46 | 3 9 | 7 54 | 17 59 | 5 14 | |
| T 26 | 3 30 | 16 38 | 4 25 | 0 43 | 1 37 | 3 21 | 1 10 | 3 15 | 0 37 | 16 38 | 1 13 | 19 9 | 0 40 | 14 27 | 0 42 | 2 35 | 1 27 | 2 20 | 16 1 | 2 46 | 3 10 | 7 56 | 17 59 | 5 14 | |
| W27 | 3 54 | 14 31 | 3 40 | 0s 3 | 1 32 | 3 52 | 1 8 | 3 31 | 0 37 | 16 37 | 1 13 | 19 8 | 0 40 | 14 26 | 0 42 | 2 34 | 1 27 | 2 21 | 16 1 | 2 45 | 3 12 | 7 58 | 18 0 | 5 13 | |
| T 28 | 4 17 | 11 44 | 2 46 | 0 49 | 1 27 | 4 23 | 1 7 | 3 48 | 0 36 | 16 35 | 1 13 | 19 7 | 0 40 | 14 25 | 0 42 | 2 33 | 1 27 | 2 21 | 16 1 | 2 45 | 3 13 | 7 59 | 18 1 | 5 13 | |
| F 29 | 4 40 | 8 30 | 1 44 | 1 35 | 1 22 | 4 53 | 1 5 | 4 4 | 0 36 | 16 34 | 1 13 | 19 6 | 0 40 | 14 24 | 0 42 | 2 33 | 1 27 | 2 22 | 16 1 | 2 44 | 3 14 | 8 1 | 18 1 | 5 13 | |
| S 30 | 5s 4 | 4n56 | 0s39 | 2s20 | 1n17 | 5s24 | 1n 4 | 4s20 | 0n35 | 16n33 | 1s13 | 19n 5 | 0n40 | 14n23 | 0n42 | 2n32 | 1n27 | 2s22 | 16s 1 | 2n44 | 3n15 | 8s 3 | 18s 2 | 5n12 | |

Julian Day Number = 2131111.5, Delta T = 16m33s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'32, Lahiri = 11°37'33 Julian Calendar 1 Sept. 1122 == Greg. Calendar 8 Sept. 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## OCTOBER 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 2 31 | 13♎45'28 | 28♍ 0 | 10♎32 | 17♎23 | 12♎57 | 19°R32 | 7♌47 | 23♌39 | 27♍ 3 | 3°R25 | 23°R10 | 21♍46 | 28♎23 | 20♐46 | S 1 |
| M 2 | 1 6 28 | 14°45'13 | 9♎53 | 12°14 | 18°38 | 13°37 | 19♉26 | 7°51 | 23°42 | 27° 5 | 3♉24 | 23♍ 9 | 21°43 | 28°29 | 20°49 | M 2 |
| T 3 | 1 10 24 | 15°45'00 | 21°43 | 13°56 | 19°54 | 14°18 | 19°21 | 7°56 | 23°44 | 27° 7 | 3°23 | 23° 7 | 21°40 | 28°36 | 20°53 | T 3 |
| W 4 | 1 14 21 | 16°44'49 | 3♏31 | 15°37 | 21° 9 | 14°58 | 19°15 | 8° 0 | 23°47 | 27°10 | 3°22 | 23° 3 | 21°37 | 28°43 | 20°57 | W 4 |
| T 5 | 1 18 18 | 17°44'40 | 15°21 | 17°17 | 22°24 | 15°39 | 19° 9 | 8° 4 | 23°49 | 27°12 | 3°21 | 22°59 | 21°34 | 28°49 | 21° 1 | T 5 |
| F 6 | 1 22 14 | 18°44'33 | 27°13 | 18°57 | 23°39 | 16°20 | 19° 3 | 8° 8 | 23°52 | 27°14 | 3°20 | 22°55 | 21°30 | 28°56 | 21° 5 | F 6 |
| S 7 | 1 26 11 | 19°44'28 | 9♐11 | 20°36 | 24°54 | 17° 0 | 18°57 | 8°13 | 23°54 | 27°16 | 3°19 | 22°50 | 21°27 | 29° 3 | 21° 9 | S 7 |
| S 8 | 1 30 7 | 20°44'24 | 21°17 | 22°14 | 26°10 | 17°41 | 18°51 | 8°17 | 23°57 | 27°18 | 3°18 | 22°46 | 21°24 | 29° 9 | 21°13 | S 8 |
| M 9 | 1 34 4 | 21°44'23 | 3♑36 | 23°52 | 27°25 | 18°22 | 18°44 | 8°20 | 23°59 | 27°20 | 3°17 | 22°43 | 21°21 | 29°16 | 21°17 | M 9 |
| T 10 | 1 38 0 | 22°44'23 | 16°10 | 25°30 | 28°40 | 19° 2 | 18°37 | 8°24 | 24° 2 | 27°22 | 3°16 | 22°42 | 21°18 | 29°23 | 21°21 | T 10 |
| W11 | 1 41 57 | 23°44'24 | 29° 3 | 27° 7 | 29°55 | 19°43 | 18°31 | 8°28 | 24° 4 | 27°24 | 3°14 | 22°D42 | 21°15 | 29°30 | 21°25 | W11 |
| T 12 | 1 45 53 | 24°44'28 | 12♒19 | 28°44 | 1♏10 | 20°24 | 18°24 | 8°31 | 24° 6 | 27°26 | 3°13 | 22°43 | 21°11 | 29°36 | 21°29 | T 12 |
| F 13 | 1 49 50 | 25°44'32 | 26° 2 | 0♏20 | 2°26 | 21° 5 | 18°17 | 8°35 | 24° 9 | 27°28 | 3°12 | 22°45 | 21° 8 | 29°43 | 21°34 | F 13 |
| S 14 | 1 53 47 | 26°44'39 | 10♓11 | 1°55 | 3°41 | 21°46 | 18°10 | 8°38 | 24°11 | 27°30 | 3°11 | 22°46 | 21° 5 | 29°50 | 21°38 | S 14 |
| S 15 | 1 57 43 | 27°44'47 | 24°46 | 3°31 | 4°56 | 22°27 | 18° 3 | 8°42 | 24°13 | 27°32 | 3°10 | 22°R46 | 21° 2 | 29°56 | 21°43 | S 15 |
| M16 | 2 1 40 | 28°44'57 | 9♈44 | 5° 5 | 6°11 | 23° 7 | 17°55 | 8°45 | 24°15 | 27°34 | 3° 9 | 22°45 | 20°59 | 0♏ 3 | 21°47 | M16 |
| T 17 | 2 5 36 | 29°45'08 | 24°57 | 6°40 | 7°26 | 23°49 | 17°48 | 8°48 | 24°17 | 27°36 | 3° 8 | 22°43 | 20°56 | 0°10 | 21°52 | T 17 |
| W18 | 2 9 33 | 0♏45'21 | 10♉15 | 8°14 | 8°42 | 24°30 | 17°41 | 8°51 | 24°19 | 27°38 | 3° 7 | 22°38 | 20°52 | 0°16 | 21°57 | W18 |
| T 19 | 2 13 29 | 1°45'37 | 25°27 | 9°47 | 9°57 | 25°11 | 17°33 | 8°54 | 24°21 | 27°40 | 3° 5 | 22°32 | 20°49 | 0°23 | 22° 1 | T 19 |
| F 20 | 2 17 26 | 2°45'54 | 10♊25 | 11°20 | 11°12 | 25°52 | 17°25 | 8°57 | 24°23 | 27°42 | 3° 4 | 22°26 | 20°46 | 0°30 | 22° 6 | F 20 |
| S 21 | 2 21 22 | 3°46'13 | 24°58 | 12°53 | 12°27 | 26°33 | 17°18 | 8°59 | 24°25 | 27°44 | 3° 3 | 22°20 | 20°43 | 0°36 | 22°11 | S 21 |
| S 22 | 2 25 19 | 4°46'34 | 9♋ 4 | 14°26 | 13°42 | 27°14 | 17°10 | 9° 2 | 24°27 | 27°46 | 3° 2 | 22°16 | 20°40 | 0°43 | 22°16 | S 22 |
| M23 | 2 29 16 | 5°46'57 | 22°40 | 15°58 | 14°58 | 27°56 | 17° 2 | 9° 5 | 24°28 | 27°48 | 3° 1 | 22°13 | 20°36 | 0°50 | 22°21 | M23 |
| T 24 | 2 33 12 | 6°47'22 | 5♌49 | 17°30 | 16°13 | 28°37 | 16°54 | 9° 7 | 24°30 | 27°50 | 3° 0 | 22°D12 | 20°33 | 0°56 | 22°26 | T 24 |
| W25 | 2 37 9 | 7°47'49 | 18°33 | 19° 2 | 17°28 | 29°18 | 16°46 | 9° 9 | 24°32 | 27°51 | 2°59 | 22°13 | 20°30 | 1° 3 | 22°31 | W25 |
| T 26 | 2 41 5 | 8°48'18 | 0♍57 | 20°33 | 18°43 | 29°59 | 16°38 | 9°11 | 24°33 | 27°53 | 2°58 | 22°14 | 20°27 | 1°10 | 22°36 | T 26 |
| F 27 | 2 45 2 | 9°48'49 | 13° 5 | 22° 4 | 19°59 | 0♏41 | 16°30 | 9°13 | 24°35 | 27°55 | 2°56 | 22°15 | 20°24 | 1°16 | 22°41 | F 27 |
| S 28 | 2 48 58 | 10°49'22 | 25° 3 | 23°35 | 21°14 | 1°23 | 16°22 | 9°15 | 24°37 | 27°57 | 2°55 | 22°R16 | 20°21 | 1°23 | 22°46 | S 28 |
| S 29 | 2 52 55 | 11°49'56 | 6♎55 | 25° 5 | 22°29 | 2° 4 | 16°14 | 9°17 | 24°38 | 27°58 | 2°54 | 22°14 | 20°17 | 1°30 | 22°51 | S 29 |
| M30 | 2 56 51 | 12°50'32 | 18°43 | 26°35 | 23°44 | 2°46 | 16° 6 | 9°19 | 24°39 | 28° 0 | 2°53 | 22°11 | 20°14 | 1°36 | 22°56 | M30 |
| T 31 | 3 0 48 | 13♏51'10 | 0♏31 | 28♏ 5 | 25♏ 0 | 3♏27 | 15♉57 | 9♌21 | 24♌41 | 28♍ 2 | 2♉52 | 22♍ 5 | 20♍11 | 1♏43 | 23♐ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s27 | 1n13 | 0n27 | 3s 6 | 1n11 | 5s54 | 1n 2 | 4s36 | 0n35 | 16n31 | 1s13 | 19n 3 | 0n40 | 14n22 | 0n42 | 2n31 | 1n28 | 2s22 | 16s 1 | 2n44 | 3n17 | 8s 5 | 18s 2 | 5n12 |
| M 2 | 5 50 | 2s32 | 1 31 | 3 51 | 1 5 | 6 24 | 1 0 | 4 53 | 0 34 | 16 30 | 1 13 | 19 2 | 0 40 | 14 21 | 0 43 | 2 30 | 1 28 | 2 23 | 16 1 | 2 44 | 3 18 | 8 6 | 18 3 | 5 12 |
| T 3 | 6 14 | 6 10 | 2 31 | 4 36 | 0 59 | 6 54 | 0 59 | 5 9 | 0 34 | 16 28 | 1 13 | 19 1 | 0 41 | 14 20 | 0 43 | 2 29 | 1 28 | 2 23 | 16 1 | 2 45 | 3 19 | 8 8 | 18 3 | 5 12 |
| W 4 | 6 37 | 9 33 | 3 24 | 5 21 | 0 53 | 7 24 | 0 57 | 5 25 | 0 33 | 16 27 | 1 13 | 19 1 | 0 41 | 14 20 | 0 43 | 2 28 | 1 28 | 2 24 | 16 1 | 2 46 | 3 20 | 8 10 | 18 4 | 5 11 |
| T 5 | 7 0 | 12 33 | 4 9 | 6 5 | 0 47 | 7 54 | 0 55 | 5 41 | 0 33 | 16 25 | 1 13 | 19 0 | 0 41 | 14 19 | 0 43 | 2 28 | 1 28 | 2 24 | 16 1 | 2 48 | 3 22 | 8 11 | 18 4 | 5 11 |
| F 6 | 7 23 | 15 2 | 4 43 | 6 49 | 0 41 | 8 24 | 0 53 | 5 57 | 0 32 | 16 23 | 1 13 | 18 59 | 0 41 | 14 18 | 0 43 | 2 27 | 1 28 | 2 24 | 16 1 | 2 50 | 3 23 | 8 13 | 18 5 | 5 11 |
| S 7 | 7 45 | 16 55 | 5 5 | 7 33 | 0 34 | 8 53 | 0 52 | 6 13 | 0 32 | 16 22 | 1 13 | 18 58 | 0 41 | 14 17 | 0 43 | 2 26 | 1 28 | 2 25 | 16 1 | 2 51 | 3 24 | 8 15 | 18 6 | 5 10 |
| S 8 | 8 8 | 18 3 | 5 13 | 8 16 | 0 28 | 9 22 | 0 50 | 6 29 | 0 31 | 16 20 | 1 13 | 18 57 | 0 41 | 14 16 | 0 43 | 2 25 | 1 28 | 2 25 | 16 2 | 2 53 | 3 25 | 8 16 | 18 6 | 5 10 |
| M 9 | 8 31 | 18 22 | 5 8 | 8 59 | 0 21 | 9 51 | 0 48 | 6 45 | 0 31 | 16 18 | 1 14 | 18 56 | 0 42 | 14 16 | 0 43 | 2 24 | 1 28 | 2 26 | 16 2 | 2 54 | 3 27 | 8 18 | 18 7 | 5 10 |
| T 10 | 8 53 | 17 48 | 4 48 | 9 41 | 0 14 | 10 20 | 0 46 | 7 1 | 0 30 | 16 16 | 1 14 | 18 55 | 0 42 | 14 15 | 0 43 | 2 23 | 1 28 | 2 26 | 16 2 | 2 55 | 3 28 | 8 20 | 18 7 | 5 9 |
| W11 | 9 15 | 16 19 | 4 13 | 10 22 | 0 8 | 10 49 | 0 44 | 7 17 | 0 30 | 16 14 | 1 14 | 18 54 | 0 42 | 14 14 | 0 43 | 2 23 | 1 28 | 2 26 | 16 2 | 2 55 | 3 29 | 8 22 | 18 8 | 5 9 |
| T 12 | 9 38 | 13 56 | 3 23 | 11 3 | 0 1 | 11 17 | 0 42 | 7 33 | 0 29 | 16 12 | 1 14 | 18 54 | 0 42 | 14 13 | 0 43 | 2 22 | 1 28 | 2 27 | 16 2 | 2 54 | 3 30 | 8 23 | 18 8 | 5 9 |
| F 13 | 10 0 | 10 41 | 2 21 | 11 44 | 0s 6 | 11 45 | 0 40 | 7 49 | 0 29 | 16 10 | 1 14 | 18 53 | 0 42 | 14 13 | 0 43 | 2 21 | 1 28 | 2 27 | 16 2 | 2 54 | 3 32 | 8 25 | 18 9 | 5 9 |
| S 14 | 10 22 | 6 44 | 1 8 | 12 23 | 0 12 | 12 13 | 0 37 | 8 5 | 0 28 | 16 9 | 1 14 | 18 52 | 0 42 | 14 12 | 0 43 | 2 20 | 1 28 | 2 28 | 16 2 | 2 53 | 3 33 | 8 27 | 18 9 | 5 8 |
| S 15 | 10 43 | 2 15 | 0s11 | 13 2 | 0 19 | 12 40 | 0 35 | 8 21 | 0 28 | 16 7 | 1 14 | 18 51 | 0 43 | 14 11 | 0 43 | 2 20 | 1 28 | 2 28 | 16 2 | 2 53 | 3 34 | 8 28 | 18 10 | 5 8 |
| M16 | 11 5 | 2n29 | 1 31 | 13 41 | 0 26 | 13 7 | 0 33 | 8 37 | 0 27 | 16 5 | 1 14 | 18 51 | 0 43 | 14 11 | 0 43 | 2 19 | 1 28 | 2 28 | 16 2 | 2 53 | 3 36 | 8 30 | 18 10 | 5 8 |
| T 17 | 11 26 | 7 7 | 2 46 | 14 18 | 0 32 | 13 34 | 0 31 | 8 52 | 0 27 | 16 2 | 1 14 | 18 50 | 0 43 | 14 10 | 0 43 | 2 18 | 1 28 | 2 29 | 16 2 | 2 54 | 3 37 | 8 32 | 18 11 | 5 8 |
| W18 | 11 47 | 11 19 | 3 50 | 14 55 | 0 39 | 14 1 | 0 29 | 9 8 | 0 26 | 16 0 | 1 13 | 18 49 | 0 43 | 14 9 | 0 43 | 2 17 | 1 28 | 2 29 | 16 2 | 2 56 | 3 38 | 8 33 | 18 11 | 5 7 |
| T 19 | 12 8 | 14 44 | 4 37 | 15 32 | 0 45 | 14 27 | 0 26 | 9 24 | 0 25 | 15 58 | 1 13 | 18 49 | 0 43 | 14 9 | 0 43 | 2 17 | 1 28 | 2 29 | 16 2 | 2 58 | 3 39 | 8 35 | 18 12 | 5 7 |
| F 20 | 12 29 | 17 6 | 5 3 | 16 7 | 0 51 | 14 53 | 0 24 | 9 39 | 0 25 | 15 56 | 1 13 | 18 48 | 0 43 | 14 8 | 0 43 | 2 16 | 1 28 | 2 30 | 16 2 | 3 1 | 3 41 | 8 37 | 18 12 | 5 7 |
| S 21 | 12 50 | 18 18 | 5 10 | 16 42 | 0 58 | 15 18 | 0 22 | 9 55 | 0 24 | 15 54 | 1 13 | 18 48 | 0 44 | 14 7 | 0 43 | 2 15 | 1 28 | 2 30 | 16 2 | 3 3 | 3 42 | 8 38 | 18 13 | 5 7 |
| S 22 | 13 10 | 18 18 | 4 57 | 17 16 | 1 4 | 15 43 | 0 19 | 10 10 | 0 24 | 15 52 | 1 13 | 18 47 | 0 44 | 14 7 | 0 43 | 2 14 | 1 28 | 2 30 | 16 2 | 3 5 | 3 43 | 8 40 | 18 13 | 5 7 |
| M23 | 13 31 | 17 14 | 4 28 | 17 49 | 1 10 | 16 8 | 0 17 | 10 25 | 0 23 | 15 50 | 1 13 | 18 47 | 0 44 | 14 6 | 0 43 | 2 14 | 1 28 | 2 31 | 16 2 | 3 6 | 3 44 | 8 42 | 18 14 | 5 6 |
| T 24 | 13 51 | 15 16 | 3 45 | 18 21 | 1 16 | 16 32 | 0 15 | 10 41 | 0 23 | 15 48 | 1 13 | 18 46 | 0 44 | 14 6 | 0 43 | 2 13 | 1 28 | 2 31 | 16 2 | 3 6 | 3 46 | 8 43 | 18 14 | 5 6 |
| W25 | 14 10 | 12 36 | 2 52 | 18 52 | 1 22 | 16 56 | 0 12 | 10 56 | 0 22 | 15 45 | 1 13 | 18 46 | 0 44 | 14 5 | 0 43 | 2 12 | 1 28 | 2 31 | 16 2 | 3 6 | 3 47 | 8 45 | 18 15 | 5 6 |
| T 26 | 14 30 | 9 26 | 1 53 | 19 22 | 1 27 | 17 19 | 0 10 | 11 11 | 0 22 | 15 43 | 1 13 | 18 45 | 0 44 | 14 5 | 0 43 | 2 12 | 1 28 | 2 32 | 16 2 | 3 6 | 3 48 | 8 47 | 18 15 | 5 6 |
| F 27 | 14 49 | 5 55 | 0 49 | 19 52 | 1 33 | 17 42 | 0 8 | 11 26 | 0 21 | 15 41 | 1 13 | 18 45 | 0 45 | 14 4 | 0 43 | 2 11 | 1 28 | 2 32 | 16 1 | 3 5 | 3 49 | 8 48 | 18 16 | 5 5 |
| S 28 | 15 8 | 2 12 | 0n15 | 20 20 | 1 38 | 18 4 | 0 5 | 11 41 | 0 21 | 15 39 | 1 13 | 18 44 | 0 45 | 14 4 | 0 44 | 2 10 | 1 28 | 2 32 | 16 1 | 3 5 | 3 51 | 8 50 | 18 16 | 5 5 |
| S 29 | 15 27 | 1s33 | 1 18 | 20 48 | 1 43 | 18 26 | 0 3 | 11 56 | 0 20 | 15 36 | 1 13 | 18 44 | 0 45 | 14 3 | 0 44 | 2 10 | 1 28 | 2 33 | 16 1 | 3 6 | 3 52 | 8 52 | 18 17 | 5 5 |
| M30 | 15 46 | 5 15 | 2 18 | 21 14 | 1 48 | 18 47 | 0 0 | 12 11 | 0 19 | 15 34 | 1 13 | 18 44 | 0 45 | 14 3 | 0 44 | 2 9 | 1 28 | 2 33 | 16 1 | 3 7 | 3 53 | 8 54 | 18 17 | 5 5 |
| T 31 | 16s 4 | 8s44 | 3n11 | 21s40 | 1s53 | 19s 8 | 0s 2 | 12s26 | 0n19 | 15n32 | 1s13 | 18n44 | 0n45 | 14n 2 | 0n44 | 2n 8 | 1n28 | 2s33 | 16s 1 | 3n 9 | 3n54 | 8s55 | 18s18 | 5n 5 |

Julian Day Number = 2131141.5, Delta T = 16m33s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'37, Lahiri = 11°37'37 Julian Calendar 1 Oct. 1122 == Greg. Calendar 8 Oct. 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## NOVEMBER 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 4 45 | 14♏51'49 | 12♏22 | 29♏34 | 26♏15 | 4♏ 9 | 15°R49 | 9♌22 | 24♌42 | 28♍ 4 | 2°R51 | 21°R56 | 20♍ 8 | 1♏50 | 23♐ 7 | W 1 |
| T 2 | 3 8 41 | 15°52'30 | 24°16 | 1♐ 3 | 27°30 | 4°51 | 15♉41 | 9°24 | 24°43 | 28° 5 | 2♉50 | 21♍46 | 20° 5 | 1°56 | 23°12 | T 2 |
| F 3 | 3 12 38 | 16°53'12 | 6♐15 | 2°32 | 28°45 | 5°32 | 15°33 | 9°25 | 24°45 | 28° 7 | 2°49 | 21°35 | 20° 2 | 2° 3 | 23°18 | F 3 |
| S 4 | 3 16 34 | 17°53'56 | 18°21 | 4° 0 | 0♐ 0 | 6°14 | 15°25 | 9°26 | 24°46 | 28° 8 | 2°48 | 21°24 | 19°58 | 2°10 | 23°23 | S 4 |
| S 5 | 3 20 31 | 18°54'41 | 0♑36 | 5°27 | 1°16 | 6°56 | 15°16 | 9°27 | 24°47 | 28°10 | 2°47 | 21°13 | 19°55 | 2°16 | 23°29 | S 5 |
| M 6 | 3 24 27 | 19°55'27 | 13° 0 | 6°54 | 2°31 | 7°38 | 15° 8 | 9°28 | 24°48 | 28°12 | 2°46 | 21° 5 | 19°52 | 2°23 | 23°34 | M 6 |
| T 7 | 3 28 24 | 20°56'15 | 25°36 | 8°21 | 3°46 | 8°20 | 15° 0 | 9°29 | 24°49 | 28°13 | 2°44 | 21° 0 | 19°49 | 2°30 | 23°40 | T 7 |
| W 8 | 3 32 20 | 21°57'03 | 8♒27 | 9°46 | 5° 1 | 9° 2 | 14°52 | 9°30 | 24°50 | 28°15 | 2°43 | 20°57 | 19°46 | 2°36 | 23°46 | W 8 |
| T 9 | 3 36 17 | 22°57'52 | 21°37 | 11°11 | 6°17 | 9°44 | 14°44 | 9°31 | 24°51 | 28°16 | 2°42 | 20°D56 | 19°42 | 2°43 | 23°51 | T 9 |
| F 10 | 3 40 14 | 23°58'42 | 5♓ 8 | 12°35 | 7°32 | 10°26 | 14°36 | 9°31 | 24°51 | 28°18 | 2°41 | 20°56 | 19°39 | 2°50 | 23°57 | F 10 |
| S 11 | 3 44 10 | 24°59'33 | 19° 2 | 13°58 | 8°47 | 11° 8 | 14°28 | 9°32 | 24°52 | 28°19 | 2°40 | 20°R56 | 19°36 | 2°57 | 24° 3 | S 11 |
| S 12 | 3 48 7 | 26° 0'25 | 3♈21 | 15°19 | 10° 2 | 11°50 | 14°20 | 9°32 | 24°53 | 28°20 | 2°39 | 20°56 | 19°33 | 3° 3 | 24° 9 | S 12 |
| M13 | 3 52 3 | 27° 1'18 | 18° 3 | 16°39 | 11°17 | 12°32 | 14°13 | 9°32 | 24°54 | 28°22 | 2°38 | 20°53 | 19°30 | 3°10 | 24°14 | M13 |
| T 14 | 3 56 0 | 28° 2'12 | 3♉ 3 | 17°58 | 12°32 | 13°15 | 14° 5 | 9°R32 | 24°54 | 28°23 | 2°37 | 20°48 | 19°27 | 3°17 | 24°20 | T 14 |
| W15 | 3 59 56 | 29° 3'06 | 18°14 | 19°14 | 13°48 | 13°57 | 13°57 | 9°32 | 24°55 | 28°24 | 2°36 | 20°40 | 19°23 | 3°23 | 24°26 | W15 |
| T 16 | 4 3 53 | 0♐ 4'02 | 3♊26 | 20°29 | 15° 3 | 14°39 | 13°50 | 9°32 | 24°55 | 28°26 | 2°35 | 20°30 | 19°20 | 3°30 | 24°32 | T 16 |
| F 17 | 4 7 49 | 1° 4'59 | 18°27 | 21°41 | 16°18 | 15°21 | 13°42 | 9°32 | 24°56 | 28°27 | 2°34 | 20°19 | 19°17 | 3°37 | 24°38 | F 17 |
| S 18 | 4 11 46 | 2° 5'57 | 3♋ 9 | 22°49 | 17°33 | 16° 4 | 13°35 | 9°31 | 24°56 | 28°28 | 2°33 | 20° 8 | 19°14 | 3°43 | 24°44 | S 18 |
| S 19 | 4 15 43 | 3° 6'56 | 17°24 | 23°55 | 18°48 | 16°46 | 13°27 | 9°31 | 24°56 | 28°29 | 2°32 | 19°59 | 19°11 | 3°50 | 24°50 | S 19 |
| M20 | 4 19 39 | 4° 7'56 | 1♌10 | 24°56 | 20° 3 | 17°29 | 13°20 | 9°30 | 24°57 | 28°31 | 2°31 | 19°52 | 19° 8 | 3°57 | 24°56 | M20 |
| T 21 | 4 23 36 | 5° 8'58 | 14°25 | 25°53 | 21°19 | 18°11 | 13°13 | 9°30 | 24°57 | 28°32 | 2°30 | 19°48 | 19° 4 | 4° 3 | 25° 2 | T 21 |
| W22 | 4 27 32 | 6°10'00 | 27°14 | 26°45 | 22°34 | 18°54 | 13° 6 | 9°29 | 24°57 | 28°33 | 2°30 | 19°47 | 19° 1 | 4°10 | 25° 8 | W22 |
| T 23 | 4 31 29 | 7°11'03 | 9♍40 | 27°31 | 23°49 | 19°36 | 12°59 | 9°28 | 24°57 | 28°34 | 2°29 | 19°D46 | 18°58 | 4°17 | 25°14 | T 23 |
| F 24 | 4 35 25 | 8°12'08 | 21°48 | 28°10 | 25° 4 | 20°19 | 12°53 | 9°27 | 24°R57 | 28°35 | 2°28 | 19°R46 | 18°55 | 4°23 | 25°20 | F 24 |
| S 25 | 4 39 22 | 9°13'13 | 3♎44 | 28°42 | 26°19 | 21° 2 | 12°46 | 9°26 | 24°57 | 28°36 | 2°27 | 19°46 | 18°52 | 4°30 | 25°26 | S 25 |
| S 26 | 4 43 18 | 10°14'20 | 15°33 | 29° 6 | 27°34 | 21°44 | 12°40 | 9°24 | 24°57 | 28°37 | 2°26 | 19°43 | 18°48 | 4°37 | 25°32 | S 26 |
| M27 | 4 47 15 | 11°15'27 | 27°20 | 29°20 | 28°49 | 22°27 | 12°33 | 9°23 | 24°57 | 28°38 | 2°25 | 19°38 | 18°45 | 4°43 | 25°38 | M27 |
| T 28 | 4 51 12 | 12°16'35 | 9♏10 | 29°R24 | 0♑ 4 | 23°10 | 12°27 | 9°22 | 24°57 | 28°39 | 2°24 | 19°29 | 18°42 | 4°50 | 25°44 | T 28 |
| W29 | 4 55 8 | 13°17'44 | 21° 4 | 29°17 | 1°20 | 23°53 | 12°21 | 9°20 | 24°56 | 28°40 | 2°23 | 19°18 | 18°39 | 4°57 | 25°50 | W29 |
| T 30 | 4 59 5 | 14♐18'53 | 3♐ 5 | 28♐59 | 2♑35 | 24♏36 | 12♉15 | 9♌18 | 24♌56 | 28♍41 | 2♉23 | 19♍ 5 | 18♍36 | 5♏ 4 | 25♐57 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16s22 | 11s52 | 3n56 | 22s 4 | 1s57 | 19s29 | 0s 5 | 12s40 | 0n18 | 15n30 | 1s13 | 18n43 | 0n45 | 14n 2 | 0n44 | 2n 8 | 1n29 | 2s34 | 16s 1 | 3n13 | 3n56 | 8s57 | 18s18 | 5n 5 | W 1 |
| T 2 | 16 40 | 14 33 | 4 31 | 22 27 | 2 2 | 19 48 | 0 7 | 12 55 | 0 18 | 15 27 | 1 12 | 18 43 | 0 46 | 14 2 | 0 44 | 2 7 | 1 29 | 2 34 | 16 1 | 3 17 | 3 57 | 8 59 | 18 19 | 5 4 | T 2 |
| F 3 | 16 57 | 16 37 | 4 54 | 22 49 | 2 6 | 20 8 | 0 10 | 13 10 | 0 17 | 15 25 | 1 12 | 18 43 | 0 46 | 14 1 | 0 44 | 2 6 | 1 29 | 2 34 | 16 1 | 3 21 | 3 58 | 9 0 | 18 19 | 5 4 | F 3 |
| S 4 | 17 15 | 17 59 | 5 4 | 23 10 | 2 9 | 20 26 | 0 12 | 13 24 | 0 17 | 15 23 | 1 12 | 18 43 | 0 46 | 14 1 | 0 44 | 2 6 | 1 29 | 2 34 | 16 1 | 3 26 | 3 59 | 9 2 | 18 19 | 5 4 | S 4 |
| S 5 | 17 32 | 18 32 | 5 1 | 23 29 | 2 13 | 20 45 | 0 14 | 13 38 | 0 16 | 15 21 | 1 12 | 18 43 | 0 46 | 14 1 | 0 44 | 2 5 | 1 29 | 2 35 | 16 1 | 3 30 | 4 1 | 9 4 | 18 20 | 5 4 | S 5 |
| M 6 | 17 48 | 18 13 | 4 43 | 23 48 | 2 16 | 21 2 | 0 17 | 13 53 | 0 15 | 15 18 | 1 12 | 18 43 | 0 46 | 14 0 | 0 44 | 2 5 | 1 29 | 2 35 | 16 1 | 3 33 | 4 2 | 9 5 | 18 20 | 5 4 | M 6 |
| T 7 | 18 4 | 17 0 | 4 11 | 24 4 | 2 18 | 21 19 | 0 19 | 14 7 | 0 15 | 15 16 | 1 12 | 18 43 | 0 47 | 14 0 | 0 44 | 2 4 | 1 29 | 2 35 | 16 0 | 3 35 | 4 3 | 9 7 | 18 21 | 5 4 | T 7 |
| W 8 | 18 20 | 14 54 | 3 27 | 24 20 | 2 21 | 21 35 | 0 22 | 14 21 | 0 14 | 15 14 | 1 12 | 18 42 | 0 47 | 14 0 | 0 44 | 2 4 | 1 29 | 2 35 | 16 0 | 3 36 | 4 4 | 9 9 | 18 21 | 5 4 | W 8 |
| T 9 | 18 36 | 12 0 | 2 30 | 24 34 | 2 22 | 21 51 | 0 24 | 14 35 | 0 14 | 15 12 | 1 11 | 18 42 | 0 47 | 14 0 | 0 44 | 2 3 | 1 29 | 2 35 | 16 0 | 3 37 | 4 6 | 9 10 | 18 21 | 5 3 | T 9 |
| F 10 | 18 51 | 8 23 | 1 23 | 24 47 | 2 24 | 22 6 | 0 27 | 14 49 | 0 13 | 15 9 | 1 11 | 18 43 | 0 47 | 13 59 | 0 44 | 2 2 | 1 29 | 2 36 | 16 0 | 3 37 | 4 7 | 9 12 | 18 22 | 5 3 | F 10 |
| S 11 | 19 6 | 4 12 | 0 10 | 24 59 | 2 25 | 22 21 | 0 29 | 15 2 | 0 13 | 15 7 | 1 11 | 18 43 | 0 47 | 13 59 | 0 44 | 2 2 | 1 29 | 2 36 | 16 0 | 3 36 | 4 8 | 9 14 | 18 22 | 5 3 | S 11 |
| S 12 | 19 21 | 0n20 | 1s 6 | 25 9 | 2 25 | 22 35 | 0 31 | 15 16 | 0 12 | 15 5 | 1 11 | 18 43 | 0 47 | 13 59 | 0 44 | 2 1 | 1 29 | 2 36 | 16 0 | 3 37 | 4 9 | 9 15 | 18 22 | 5 3 | S 12 |
| M13 | 19 35 | 4 58 | 2 19 | 25 17 | 2 25 | 22 48 | 0 34 | 15 30 | 0 11 | 15 3 | 1 11 | 18 43 | 0 48 | 13 59 | 0 44 | 2 1 | 1 29 | 2 36 | 16 0 | 3 38 | 4 11 | 9 17 | 18 23 | 5 3 | M13 |
| T 14 | 19 49 | 9 23 | 3 24 | 25 24 | 2 24 | 23 0 | 0 36 | 15 43 | 0 11 | 15 1 | 1 11 | 18 43 | 0 48 | 13 59 | 0 44 | 2 0 | 1 29 | 2 36 | 15 59 | 3 40 | 4 12 | 9 18 | 18 23 | 5 3 | T 14 |
| W15 | 20 2 | 13 15 | 4 16 | 25 29 | 2 23 | 23 12 | 0 38 | 15 56 | 0 10 | 14 59 | 1 10 | 18 43 | 0 48 | 13 58 | 0 44 | 2 0 | 1 29 | 2 37 | 15 59 | 3 43 | 4 13 | 9 20 | 18 23 | 5 3 | W15 |
| T 16 | 20 16 | 16 12 | 4 49 | 25 33 | 2 21 | 23 23 | 0 41 | 16 9 | 0 10 | 14 57 | 1 10 | 18 43 | 0 48 | 13 58 | 0 44 | 1 59 | 1 29 | 2 37 | 15 59 | 3 47 | 4 14 | 9 22 | 18 24 | 5 3 | T 16 |
| F 17 | 20 28 | 18 2 | 5 2 | 25 35 | 2 18 | 23 33 | 0 43 | 16 22 | 0 9 | 14 55 | 1 10 | 18 44 | 0 48 | 13 58 | 0 44 | 1 59 | 1 29 | 2 37 | 15 59 | 3 51 | 4 16 | 9 23 | 18 24 | 5 3 | F 17 |
| S 18 | 20 41 | 18 36 | 4 54 | 25 36 | 2 14 | 23 43 | 0 45 | 16 35 | 0 8 | 14 53 | 1 10 | 18 44 | 0 49 | 13 58 | 0 44 | 1 59 | 1 29 | 2 37 | 15 59 | 3 56 | 4 17 | 9 25 | 18 24 | 5 3 | S 18 |
| S 19 | 20 53 | 17 58 | 4 29 | 25 34 | 2 10 | 23 52 | 0 48 | 16 48 | 0 8 | 14 51 | 1 10 | 18 44 | 0 49 | 13 58 | 0 44 | 1 58 | 1 29 | 2 37 | 15 58 | 3 59 | 4 18 | 9 27 | 18 25 | 5 2 | S 19 |
| M20 | 21 4 | 16 17 | 3 48 | 25 32 | 2 4 | 24 0 | 0 50 | 17 1 | 0 7 | 14 49 | 1 9 | 18 44 | 0 49 | 13 58 | 0 45 | 1 58 | 1 29 | 2 37 | 15 58 | 4 2 | 4 19 | 9 28 | 18 25 | 5 2 | M20 |
| T 21 | 21 15 | 13 46 | 2 56 | 25 27 | 1 58 | 24 8 | 0 52 | 17 13 | 0 6 | 14 47 | 1 9 | 18 45 | 0 49 | 13 58 | 0 45 | 1 57 | 1 29 | 2 37 | 15 58 | 4 3 | 4 21 | 9 30 | 18 25 | 5 2 | T 21 |
| W22 | 21 26 | 10 40 | 1 57 | 25 21 | 1 50 | 24 14 | 0 54 | 17 26 | 0 6 | 14 45 | 1 9 | 18 45 | 0 49 | 13 58 | 0 45 | 1 57 | 1 30 | 2 37 | 15 58 | 4 4 | 4 22 | 9 32 | 18 25 | 5 2 | W22 |
| T 23 | 21 37 | 7 10 | 0 53 | 25 13 | 1 42 | 24 20 | 0 56 | 17 38 | 0 5 | 14 43 | 1 9 | 18 46 | 0 49 | 13 58 | 0 45 | 1 57 | 1 30 | 2 38 | 15 58 | 4 4 | 4 23 | 9 33 | 18 26 | 5 2 | T 23 |
| F 24 | 21 47 | 3 26 | 0n11 | 25 4 | 1 32 | 24 26 | 0 58 | 17 50 | 0 5 | 14 41 | 1 9 | 18 46 | 0 50 | 13 58 | 0 45 | 1 56 | 1 30 | 2 38 | 15 57 | 4 4 | 4 24 | 9 35 | 18 26 | 5 2 | F 24 |
| S 25 | 21 56 | 0s22 | 1 13 | 24 53 | 1 21 | 24 30 | 1 0 | 18 2 | 0 4 | 14 39 | 1 8 | 18 47 | 0 50 | 13 58 | 0 45 | 1 56 | 1 30 | 2 38 | 15 57 | 4 4 | 4 26 | 9 37 | 18 26 | 5 2 | S 25 |
| S 26 | 22 5 | 4 7 | 2 12 | 24 41 | 1 8 | 24 34 | 1 2 | 18 14 | 0 3 | 14 38 | 1 8 | 18 47 | 0 50 | 13 58 | 0 45 | 1 55 | 1 30 | 2 38 | 15 57 | 4 5 | 4 27 | 9 38 | 18 26 | 5 2 | S 26 |
| M27 | 22 14 | 7 42 | 3 5 | 24 27 | 0 54 | 24 37 | 1 4 | 18 25 | 0 3 | 14 36 | 1 8 | 18 48 | 0 50 | 13 58 | 0 45 | 1 55 | 1 30 | 2 38 | 15 57 | 4 7 | 4 28 | 9 40 | 18 27 | 5 2 | M27 |
| T 28 | 22 22 | 10 59 | 3 50 | 24 12 | 0 39 | 24 39 | 1 6 | 18 37 | 0 2 | 14 34 | 1 8 | 18 48 | 0 50 | 13 58 | 0 45 | 1 55 | 1 30 | 2 38 | 15 57 | 4 11 | 4 29 | 9 42 | 18 27 | 5 2 | T 28 |
| W29 | 22 30 | 13 51 | 4 25 | 23 55 | 0 22 | 24 41 | 1 8 | 18 48 | 0 2 | 14 33 | 1 7 | 18 49 | 0 51 | 13 58 | 0 45 | 1 55 | 1 30 | 2 38 | 15 56 | 4 15 | 4 31 | 9 43 | 18 27 | 5 2 | W29 |
| T 30 | 22s37 | 16s 9 | 4n48 | 23s37 | 0s 5 | 24s41 | 1s10 | 19s 0 | 0n 1 | 14n31 | 1s 7 | 18n49 | 0n51 | 13n59 | 0n45 | 1n54 | 1n30 | 2s38 | 15s56 | 4n21 | 4n32 | 9s45 | 18s27 | 5n 2 | T 30 |

Julian Day Number = 2131172.5, Delta T = 16m33s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'41, Lahiri = 11°37'41 Julian Calendar 1 Nov. 1122 == Greg. Calendar 8 Nov. 1122


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# ASTRODIENST EPHEMERIS for the year 1122
# geocentric

## DECEMBER 1122 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 3 1 | 15♐20'04 | 15♐15 | 28°R29 | 3♑50 | 25♏19 | 12°R10 | 9°R17 | 24°R56 | 28♍41 | 2°R22 | 18°R50 | 18♍33 | 5♏10 | 26♐ 3 | F 1 |
| S 2 | 5 6 58 | 16°21'14 | 27°34 | 27♐47 | 5° 5 | 26° 2 | 12♉ 4 | 9♌15 | 24♌55 | 28°42 | 2♉21 | 18♍35 | 18°29 | 5°17 | 26° 9 | S 2 |
| S 3 | 5 10 54 | 17°22'25 | 10♑ 3 | 26°55 | 6°20 | 26°45 | 11°59 | 9°13 | 24°55 | 28°43 | 2°20 | 18°21 | 18°26 | 5°24 | 26°15 | S 3 |
| M 4 | 5 14 51 | 18°23'37 | 22°41 | 25°52 | 7°35 | 27°28 | 11°53 | 9°11 | 24°54 | 28°44 | 2°20 | 18°10 | 18°23 | 5°30 | 26°21 | M 4 |
| T 5 | 5 18 47 | 19°24'48 | 5♒31 | 24°41 | 8°50 | 28°11 | 11°48 | 9° 8 | 24°54 | 28°44 | 2°19 | 18° 2 | 18°20 | 5°37 | 26°28 | T 5 |
| W 6 | 5 22 44 | 20°26'00 | 18°31 | 23°24 | 10° 5 | 28°54 | 11°44 | 9° 6 | 24°53 | 28°45 | 2°18 | 17°57 | 18°17 | 5°44 | 26°34 | W 6 |
| T 7 | 5 26 41 | 21°27'11 | 1♓45 | 22° 3 | 11°20 | 29°37 | 11°39 | 9° 4 | 24°52 | 28°46 | 2°17 | 17°54 | 18°13 | 5°50 | 26°40 | T 7 |
| F 8 | 5 30 37 | 22°28'23 | 15°14 | 20°40 | 12°35 | 0♐21 | 11°34 | 9° 1 | 24°52 | 28°46 | 2°17 | 17°54 | 18°10 | 5°57 | 26°46 | F 8 |
| S 9 | 5 34 34 | 23°29'34 | 28°59 | 19°20 | 13°50 | 1° 4 | 11°30 | 8°59 | 24°51 | 28°47 | 2°16 | 17°54 | 18° 7 | 6° 4 | 26°52 | S 9 |
| S 10 | 5 38 30 | 24°30'46 | 13♈ 3 | 18° 3 | 15° 5 | 1°47 | 11°26 | 8°56 | 24°50 | 28°47 | 2°15 | 17°53 | 18° 4 | 6°10 | 26°59 | S 10 |
| M11 | 5 42 27 | 25°31'57 | 27°25 | 16°53 | 16°20 | 2°31 | 11°22 | 8°53 | 24°49 | 28°48 | 2°15 | 17°50 | 18° 1 | 6°17 | 27° 5 | M11 |
| T 12 | 5 46 23 | 26°33'08 | 12♉ 2 | 15°52 | 17°35 | 3°14 | 11°18 | 8°50 | 24°48 | 28°48 | 2°14 | 17°44 | 17°58 | 6°24 | 27°11 | T 12 |
| W13 | 5 50 20 | 27°34'19 | 26°50 | 14°59 | 18°50 | 3°57 | 11°15 | 8°47 | 24°47 | 28°49 | 2°14 | 17°36 | 17°54 | 6°30 | 27°17 | W13 |
| T 14 | 5 54 16 | 28°35'29 | 11♊41 | 14°17 | 20° 5 | 4°41 | 11°11 | 8°44 | 24°46 | 28°49 | 2°13 | 17°25 | 17°51 | 6°37 | 27°24 | T 14 |
| F 15 | 5 58 13 | 29°36'40 | 26°28 | 13°44 | 21°20 | 5°24 | 11° 8 | 8°41 | 24°45 | 28°49 | 2°13 | 17°13 | 17°48 | 6°44 | 27°30 | F 15 |
| S 16 | 6 2 10 | 0♑37'50 | 11♋ 1 | 13°22 | 22°35 | 6° 8 | 11° 5 | 8°38 | 24°44 | 28°50 | 2°12 | 17° 1 | 17°45 | 6°51 | 27°36 | S 16 |
| S 17 | 6 6 6 | 1°39'01 | 25°13 | 13°10 | 23°50 | 6°52 | 11° 2 | 8°34 | 24°43 | 28°50 | 2°11 | 16°51 | 17°42 | 6°57 | 27°42 | S 17 |
| M18 | 6 10 3 | 2°40'11 | 9♌ 0 | 13°D 8 | 25° 4 | 7°35 | 11° 0 | 8°31 | 24°41 | 28°50 | 2°11 | 16°43 | 17°39 | 7° 4 | 27°48 | M18 |
| T 19 | 6 13 59 | 3°41'22 | 22°19 | 13°14 | 26°19 | 8°19 | 10°58 | 8°27 | 24°40 | 28°50 | 2°11 | 16°38 | 17°35 | 7°11 | 27°55 | T 19 |
| W20 | 6 17 56 | 4°42'32 | 5♍12 | 13°28 | 27°34 | 9° 3 | 10°55 | 8°24 | 24°39 | 28°51 | 2°10 | 16°36 | 17°32 | 7°17 | 28° 1 | W20 |
| T 21 | 6 21 52 | 5°43'42 | 17°43 | 13°50 | 28°49 | 9°46 | 10°53 | 8°20 | 24°37 | 28°51 | 2°10 | 16°D35 | 17°29 | 7°24 | 28° 7 | T 21 |
| F 22 | 6 25 49 | 6°44'53 | 29°55 | 14°18 | 0♒ 4 | 10°30 | 10°52 | 8°17 | 24°36 | 28°51 | 2° 9 | 16°36 | 17°26 | 7°31 | 28°13 | F 22 |
| S 23 | 6 29 45 | 7°46'03 | 11♎53 | 14°53 | 1°18 | 11°14 | 10°50 | 8°13 | 24°34 | 28°51 | 2° 9 | 16°R36 | 17°23 | 7°37 | 28°19 | S 23 |
| S 24 | 6 33 42 | 8°47'13 | 23°45 | 15°33 | 2°33 | 11°58 | 10°49 | 8° 9 | 24°33 | 28°51 | 2° 8 | 16°35 | 17°19 | 7°44 | 28°25 | S 24 |
| M25 | 6 37 39 | 9°48'23 | 5♏33 | 16°18 | 3°48 | 12°42 | 10°48 | 8° 5 | 24°31 | 28°R51 | 2° 8 | 16°31 | 17°16 | 7°51 | 28°32 | M25 |
| T 26 | 6 41 35 | 10°49'33 | 17°25 | 17° 7 | 5° 2 | 13°26 | 10°47 | 8° 1 | 24°30 | 28°51 | 2° 8 | 16°25 | 17°13 | 7°57 | 28°38 | T 26 |
| W27 | 6 45 32 | 11°50'42 | 29°22 | 18° 1 | 6°17 | 14°10 | 10°46 | 7°57 | 24°28 | 28°51 | 2° 7 | 16°17 | 17°10 | 8° 4 | 28°44 | W27 |
| T 28 | 6 49 28 | 12°51'52 | 11♐30 | 18°58 | 7°32 | 14°54 | 10°45 | 7°53 | 24°26 | 28°51 | 2° 7 | 16° 6 | 17° 7 | 8°11 | 28°50 | T 28 |
| F 29 | 6 53 25 | 13°53'00 | 23°50 | 19°58 | 8°46 | 15°38 | 10°45 | 7°48 | 24°25 | 28°51 | 2° 7 | 15°54 | 17° 4 | 8°18 | 28°56 | F 29 |
| S 30 | 6 57 21 | 14°54'09 | 6♑23 | 21° 1 | 10° 1 | 16°22 | 10°D45 | 7°44 | 24°23 | 28°51 | 2° 7 | 15°42 | 17° 0 | 8°24 | 29° 2 | S 30 |
| S 31 | 7 1 18 | 15♑55'16 | 19♑ 9 | 22♐ 6 | 11♒16 | 17♐ 6 | 10♉45 | 7♌40 | 24♌21 | 28♍50 | 2♉ 6 | 15♍31 | 16♍57 | 8♏31 | 29♐ 8 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s44 | 17s47 | 4n59 | 23s18 | 0n14 | 24s41 | 1s12 | 19s11 | 0n 0 | 14n30 | 1s 7 | 18n50 | 0n51 | 13n59 | 0n45 | 1n54 | 1n30 | 2s38 | 15s56 | 4n26 | 4n33 | 9s47 | 18s27 | 5n 2 | F 1 |
| S 2 | 22 51 | 18 36 | 4 56 | 22 58 | 0 34 | 24 41 | 1 13 | 19 21 | 0s 0 | 14 28 | 1 7 | 18 51 | 0 51 | 13 59 | 0 45 | 1 54 | 1 30 | 2 38 | 15 56 | 4 32 | 4 34 | 9 48 | 18 28 | 5 2 | S 2 |
| S 3 | 22 57 | 18 32 | 4 39 | 22 37 | 0 54 | 24 39 | 1 15 | 19 32 | 0 1 | 14 27 | 1 6 | 18 51 | 0 51 | 13 59 | 0 45 | 1 53 | 1 30 | 2 38 | 15 55 | 4 38 | 4 36 | 9 50 | 18 28 | 5 2 | S 3 |
| M 4 | 23 2 | 17 33 | 4 8 | 22 15 | 1 14 | 24 37 | 1 17 | 19 43 | 0 2 | 14 25 | 1 6 | 18 52 | 0 51 | 13 59 | 0 45 | 1 53 | 1 30 | 2 38 | 15 55 | 4 42 | 4 37 | 9 51 | 18 28 | 5 2 | M 4 |
| T 5 | 23 8 | 15 41 | 3 24 | 21 53 | 1 33 | 24 34 | 1 18 | 19 53 | 0 2 | 14 24 | 1 6 | 18 53 | 0 52 | 14 0 | 0 45 | 1 53 | 1 30 | 2 38 | 15 55 | 4 45 | 4 38 | 9 53 | 18 28 | 5 2 | T 5 |
| W 6 | 23 12 | 12 59 | 2 28 | 21 31 | 1 52 | 24 30 | 1 20 | 20 3 | 0 3 | 14 23 | 1 6 | 18 54 | 0 52 | 14 0 | 0 45 | 1 53 | 1 30 | 2 38 | 15 55 | 4 47 | 4 39 | 9 55 | 18 28 | 5 2 | W 6 |
| T 7 | 23 16 | 9 35 | 1 24 | 21 9 | 2 10 | 24 25 | 1 21 | 20 13 | 0 4 | 14 22 | 1 5 | 18 55 | 0 52 | 14 0 | 0 45 | 1 53 | 1 30 | 2 38 | 15 54 | 4 48 | 4 41 | 9 56 | 18 28 | 5 2 | T 7 |
| F 8 | 23 20 | 5 38 | 0 14 | 20 48 | 2 25 | 24 20 | 1 23 | 20 23 | 0 4 | 14 21 | 1 5 | 18 55 | 0 52 | 14 0 | 0 45 | 1 52 | 1 30 | 2 38 | 15 54 | 4 48 | 4 42 | 9 58 | 18 28 | 5 2 | F 8 |
| S 9 | 23 23 | 1 18 | 0s58 | 20 29 | 2 39 | 24 14 | 1 24 | 20 33 | 0 5 | 14 20 | 1 5 | 18 56 | 0 52 | 14 1 | 0 45 | 1 52 | 1 31 | 2 38 | 15 54 | 4 48 | 4 43 | 10 0 | 18 28 | 5 3 | S 9 |
| S 10 | 23 26 | 3n12 | 2 9 | 20 11 | 2 50 | 24 7 | 1 26 | 20 42 | 0 6 | 14 18 | 1 5 | 18 57 | 0 52 | 14 1 | 0 45 | 1 52 | 1 31 | 2 38 | 15 53 | 4 49 | 4 44 | 10 1 | 18 28 | 5 3 | S 10 |
| M11 | 23 28 | 7 36 | 3 13 | 19 56 | 2 59 | 23 59 | 1 27 | 20 52 | 0 6 | 14 18 | 1 4 | 18 58 | 0 53 | 14 1 | 0 45 | 1 52 | 1 31 | 2 38 | 15 53 | 4 50 | 4 46 | 10 3 | 18 29 | 5 3 | M11 |
| T 12 | 23 30 | 11 38 | 4 5 | 19 44 | 3 5 | 23 51 | 1 28 | 21 1 | 0 7 | 14 17 | 1 4 | 18 59 | 0 53 | 14 2 | 0 45 | 1 52 | 1 31 | 2 38 | 15 53 | 4 52 | 4 47 | 10 4 | 18 29 | 5 3 | T 12 |
| W13 | 23 32 | 14 58 | 4 41 | 19 34 | 3 9 | 23 42 | 1 29 | 21 10 | 0 8 | 14 16 | 1 4 | 19 0 | 0 53 | 14 2 | 0 46 | 1 52 | 1 31 | 2 38 | 15 53 | 4 55 | 4 48 | 10 6 | 18 29 | 5 3 | W13 |
| T 14 | 23 33 | 17 21 | 4 59 | 19 28 | 3 11 | 23 32 | 1 30 | 21 18 | 0 8 | 14 15 | 1 3 | 19 1 | 0 53 | 14 2 | 0 46 | 1 52 | 1 31 | 2 37 | 15 52 | 5 0 | 4 49 | 10 8 | 18 29 | 5 3 | T 14 |
| F 15 | 23 33 | 18 33 | 4 57 | 19 24 | 3 11 | 23 21 | 1 31 | 21 27 | 0 9 | 14 14 | 1 3 | 19 2 | 0 53 | 14 3 | 0 46 | 1 51 | 1 31 | 2 37 | 15 52 | 5 4 | 4 51 | 10 9 | 18 29 | 5 3 | F 15 |
| S 16 | 23 33 | 18 31 | 4 35 | 19 23 | 3 9 | 23 10 | 1 32 | 21 35 | 0 10 | 14 14 | 1 3 | 19 3 | 0 53 | 14 3 | 0 46 | 1 51 | 1 31 | 2 37 | 15 52 | 5 9 | 4 52 | 10 11 | 18 29 | 5 3 | S 16 |
| S 17 | 23 32 | 17 19 | 3 57 | 19 25 | 3 5 | 22 58 | 1 33 | 21 43 | 0 10 | 14 13 | 1 3 | 19 4 | 0 54 | 14 4 | 0 46 | 1 51 | 1 31 | 2 37 | 15 51 | 5 13 | 4 53 | 10 13 | 18 29 | 5 3 | S 17 |
| M18 | 23 31 | 15 7 | 3 5 | 19 29 | 3 1 | 22 46 | 1 34 | 21 51 | 0 11 | 14 13 | 1 2 | 19 5 | 0 54 | 14 4 | 0 46 | 1 51 | 1 31 | 2 37 | 15 51 | 5 16 | 4 54 | 10 14 | 18 29 | 5 3 | M18 |
| T 19 | 23 30 | 12 10 | 2 5 | 19 36 | 2 55 | 22 32 | 1 35 | 21 59 | 0 12 | 14 12 | 1 2 | 19 6 | 0 54 | 14 5 | 0 46 | 1 51 | 1 31 | 2 37 | 15 51 | 5 18 | 4 56 | 10 16 | 18 29 | 5 3 | T 19 |
| W20 | 23 28 | 8 43 | 1 0 | 19 44 | 2 48 | 22 18 | 1 36 | 22 7 | 0 12 | 14 12 | 1 2 | 19 7 | 0 54 | 14 5 | 0 46 | 1 51 | 1 31 | 2 37 | 15 50 | 5 19 | 4 57 | 10 17 | 18 29 | 5 4 | W20 |
| T 21 | 23 26 | 4 58 | 0n 6 | 19 54 | 2 41 | 22 4 | 1 36 | 22 14 | 0 13 | 14 11 | 1 1 | 19 8 | 0 54 | 14 6 | 0 46 | 1 51 | 1 31 | 2 37 | 15 50 | 5 19 | 4 58 | 10 19 | 18 29 | 5 4 | T 21 |
| F 22 | 23 23 | 1 7 | 1 10 | 20 5 | 2 33 | 21 48 | 1 37 | 22 21 | 0 14 | 14 11 | 1 1 | 19 9 | 0 54 | 14 6 | 0 46 | 1 51 | 1 31 | 2 36 | 15 50 | 5 19 | 4 59 | 10 21 | 18 28 | 5 4 | F 22 |
| S 23 | 23 19 | 2s43 | 2 10 | 20 17 | 2 25 | 21 33 | 1 37 | 22 28 | 0 14 | 14 11 | 1 1 | 19 11 | 0 55 | 14 7 | 0 46 | 1 51 | 1 31 | 2 36 | 15 49 | 5 19 | 5 1 | 10 22 | 18 28 | 5 4 | S 23 |
| S 24 | 23 15 | 6 24 | 3 4 | 20 30 | 2 16 | 21 16 | 1 38 | 22 35 | 0 15 | 14 11 | 1 1 | 19 12 | 0 55 | 14 7 | 0 46 | 1 51 | 1 31 | 2 36 | 15 49 | 5 19 | 5 2 | 10 24 | 18 28 | 5 4 | S 24 |
| M25 | 23 11 | 9 49 | 3 50 | 20 44 | 2 7 | 20 59 | 1 38 | 22 41 | 0 16 | 14 11 | 1 0 | 19 13 | 0 55 | 14 8 | 0 46 | 1 51 | 1 31 | 2 36 | 15 49 | 5 21 | 5 3 | 10 25 | 18 28 | 5 4 | M25 |
| T 26 | 23 6 | 12 51 | 4 26 | 20 58 | 1 58 | 20 41 | 1 38 | 22 47 | 0 16 | 14 11 | 1 0 | 19 14 | 0 55 | 14 8 | 0 46 | 1 51 | 1 31 | 2 36 | 15 48 | 5 23 | 5 4 | 10 27 | 18 28 | 5 4 | T 26 |
| W27 | 23 1 | 15 23 | 4 50 | 21 12 | 1 49 | 20 23 | 1 39 | 22 53 | 0 17 | 14 11 | 1 0 | 19 15 | 0 55 | 14 9 | 0 46 | 1 52 | 1 32 | 2 35 | 15 48 | 5 26 | 5 6 | 10 29 | 18 28 | 5 5 | W27 |
| T 28 | 22 55 | 17 17 | 5 2 | 21 26 | 1 40 | 20 4 | 1 39 | 22 59 | 0 18 | 14 11 | 0 59 | 19 16 | 0 55 | 14 10 | 0 46 | 1 52 | 1 32 | 2 35 | 15 48 | 5 31 | 5 7 | 10 30 | 18 28 | 5 5 | T 28 |
| F 29 | 22 49 | 18 24 | 5 0 | 21 40 | 1 30 | 19 44 | 1 39 | 23 5 | 0 18 | 14 11 | 0 59 | 19 18 | 0 56 | 14 10 | 0 46 | 1 52 | 1 32 | 2 35 | 15 47 | 5 35 | 5 8 | 10 32 | 18 28 | 5 5 | F 29 |
| S 30 | 22 43 | 18 40 | 4 44 | 21 54 | 1 21 | 19 24 | 1 39 | 23 10 | 0 19 | 14 11 | 0 59 | 19 19 | 0 56 | 14 11 | 0 46 | 1 52 | 1 32 | 2 35 | 15 47 | 5 40 | 5 9 | 10 34 | 18 28 | 5 5 | S 30 |
| S 31 | 22s36 | 18s 0 | 4n13 | 22s 7 | 1n12 | 19s 4 | 1s39 | 23s15 | 0s20 | 14n12 | 0s59 | 19n20 | 0n56 | 14n12 | 0n46 | 1n52 | 1n32 | 2s35 | 15s47 | 5n44 | 5n10 | 10s35 | 18s27 | 5n 5 | S 31 |

Julian Day Number = 2131202.5, Delta T = 16m32s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'45, Lahiri = 11°37'45 Julian Calendar 1 Dec. 1122 == Greg. Calendar 8 Dec. 1122


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## JANUARY 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 5 15 | 16♑56'23 | 2♒ 8 | 23♐14 | 12♒30 | 17♐50 | 10♉45 | 7°R36 | 24°R19 | 28°R50 | 2°R 6 | 15°R22 | 16♍54 | 8♏38 | 29♐14 | M 1 |
| T 2 | 7 9 11 | 17°57'30 | 15°19 | 24°24 | 13°45 | 18°35 | 10°46 | 7♌31 | 24♌17 | 28♍50 | 2♉ 6 | 15♍15 | 16°51 | 8°44 | 29°20 | T 2 |
| W 3 | 7 13 8 | 18°58'35 | 28°40 | 25°36 | 14°59 | 19°19 | 10°47 | 7°27 | 24°15 | 28°50 | 2° 6 | 15°11 | 16°48 | 8°51 | 29°26 | W 3 |
| T 4 | 7 17 4 | 19°59'39 | 12♓12 | 26°50 | 16°14 | 20° 3 | 10°48 | 7°22 | 24°13 | 28°49 | 2° 6 | 15°D10 | 16°45 | 8°58 | 29°32 | T 4 |
| F 5 | 7 21 1 | 21° 0'42 | 25°53 | 28° 6 | 17°28 | 20°48 | 10°49 | 7°18 | 24°11 | 28°49 | 2° 6 | 15°10 | 16°41 | 9° 4 | 29°38 | F 5 |
| S 6 | 7 24 57 | 22° 1'44 | 9♈44 | 29°22 | 18°43 | 21°32 | 10°50 | 7°13 | 24° 9 | 28°48 | 2° 6 | 15°11 | 16°38 | 9°11 | 29°44 | S 6 |
| S 7 | 7 28 54 | 23° 2'45 | 23°44 | 0♑41 | 19°57 | 22°16 | 10°52 | 7° 8 | 24° 7 | 28°48 | 2° 6 | 15°R12 | 16°35 | 9°18 | 29°50 | S 7 |
| M 8 | 7 32 50 | 24° 3'45 | 7♉53 | 2° 0 | 21°11 | 23° 1 | 10°53 | 7° 4 | 24° 5 | 28°48 | 2° 5 | 15°11 | 16°32 | 9°25 | 29°55 | M 8 |
| T 9 | 7 36 47 | 25° 4'43 | 22°10 | 3°21 | 22°26 | 23°45 | 10°55 | 6°59 | 24° 3 | 28°47 | 2° 5 | 15° 8 | 16°29 | 9°31 | 0♑ 1 | T 9 |
| W10 | 7 40 44 | 26° 5'41 | 6♊32 | 4°43 | 23°40 | 24°30 | 10°57 | 6°54 | 24° 1 | 28°47 | 2°D 5 | 15° 3 | 16°25 | 9°38 | 0° 7 | W10 |
| T 11 | 7 44 40 | 27° 6'36 | 20°55 | 6° 6 | 24°54 | 25°14 | 11° 0 | 6°49 | 23°58 | 28°46 | 2° 5 | 14°56 | 16°22 | 9°45 | 0°13 | T 11 |
| F 12 | 7 48 37 | 28° 7'31 | 5♋14 | 7°30 | 26° 8 | 25°59 | 11° 2 | 6°45 | 23°56 | 28°45 | 2° 6 | 14°48 | 16°19 | 9°51 | 0°18 | F 12 |
| S 13 | 7 52 33 | 29° 8'25 | 19°22 | 8°55 | 27°22 | 26°43 | 11° 5 | 6°40 | 23°54 | 28°45 | 2° 6 | 14°40 | 16°16 | 9°58 | 0°24 | S 13 |
| S 14 | 7 56 30 | 0♒ 9'17 | 3♌15 | 10°21 | 28°37 | 27°28 | 11° 8 | 6°35 | 23°51 | 28°44 | 2° 6 | 14°33 | 16°13 | 10° 5 | 0°30 | S 14 |
| M15 | 8 0 26 | 1°10'08 | 16°49 | 11°48 | 29°51 | 28°13 | 11°11 | 6°30 | 23°49 | 28°43 | 2° 6 | 14°28 | 16°10 | 10°11 | 0°35 | M15 |
| T 16 | 8 4 23 | 2°10'58 | 0♍ 2 | 13°15 | 1♓ 5 | 28°58 | 11°14 | 6°25 | 23°47 | 28°43 | 2° 6 | 14°25 | 16° 6 | 10°18 | 0°41 | T 16 |
| W17 | 8 8 19 | 3°11'47 | 12°53 | 14°44 | 2°19 | 29°42 | 11°18 | 6°20 | 23°44 | 28°42 | 2° 6 | 14°D24 | 16° 3 | 10°25 | 0°46 | W17 |
| T 18 | 8 12 16 | 4°12'34 | 25°25 | 16°13 | 3°33 | 0♑27 | 11°22 | 6°16 | 23°42 | 28°41 | 2° 6 | 14°24 | 16° 0 | 10°31 | 0°52 | T 18 |
| F 19 | 8 16 13 | 5°13'21 | 7♎39 | 17°44 | 4°46 | 1°12 | 11°25 | 6°11 | 23°40 | 28°40 | 2° 6 | 14°26 | 15°57 | 10°38 | 0°57 | F 19 |
| S 20 | 8 20 9 | 6°14'06 | 19°41 | 19°15 | 6° 0 | 1°57 | 11°30 | 6° 6 | 23°37 | 28°40 | 2° 7 | 14°28 | 15°54 | 10°45 | 1° 3 | S 20 |
| S 21 | 8 24 6 | 7°14'51 | 1♏35 | 20°47 | 7°14 | 2°42 | 11°34 | 6° 1 | 23°35 | 28°39 | 2° 7 | 14°29 | 15°51 | 10°52 | 1° 8 | S 21 |
| M22 | 8 28 2 | 8°15'34 | 13°25 | 22°19 | 8°28 | 3°27 | 11°38 | 5°56 | 23°32 | 28°38 | 2° 7 | 14°R29 | 15°47 | 10°58 | 1°13 | M22 |
| T 23 | 8 31 59 | 9°16'17 | 25°18 | 23°53 | 9°42 | 4°11 | 11°43 | 5°51 | 23°30 | 28°37 | 2° 7 | 14°27 | 15°44 | 11° 5 | 1°19 | T 23 |
| W24 | 8 35 55 | 10°16'58 | 7♐18 | 25°28 | 10°55 | 4°56 | 11°48 | 5°46 | 23°27 | 28°36 | 2° 8 | 14°24 | 15°41 | 11°12 | 1°24 | W24 |
| T 25 | 8 39 52 | 11°17'38 | 19°29 | 27° 3 | 12° 9 | 5°42 | 11°53 | 5°41 | 23°25 | 28°35 | 2° 8 | 14°20 | 15°38 | 11°18 | 1°29 | T 25 |
| F 26 | 8 43 48 | 12°18'17 | 1♑54 | 28°39 | 13°22 | 6°27 | 11°58 | 5°37 | 23°22 | 28°34 | 2° 8 | 14°15 | 15°35 | 11°25 | 1°34 | F 26 |
| S 27 | 8 47 45 | 13°18'54 | 14°37 | 0♒16 | 14°36 | 7°12 | 12° 3 | 5°32 | 23°19 | 28°33 | 2° 9 | 14° 9 | 15°31 | 11°32 | 1°39 | S 27 |
| S 28 | 8 51 42 | 14°19'30 | 27°37 | 1°54 | 15°49 | 7°57 | 12° 9 | 5°27 | 23°17 | 28°32 | 2° 9 | 14° 4 | 15°28 | 11°38 | 1°44 | S 28 |
| M29 | 8 55 38 | 15°20'04 | 10♒55 | 3°33 | 17° 3 | 8°42 | 12°14 | 5°22 | 23°14 | 28°31 | 2°10 | 14° 0 | 15°25 | 11°45 | 1°49 | M29 |
| T 30 | 8 59 35 | 16°20'37 | 24°29 | 5°12 | 18°16 | 9°27 | 12°20 | 5°17 | 23°12 | 28°30 | 2°10 | 13°57 | 15°22 | 11°52 | 1°54 | T 30 |
| W31 | 9 3 31 | 17♒21'08 | 8♓17 | 6♒53 | 19♓29 | 10♑12 | 12♉26 | 5♌13 | 23♌ 9 | 28♍29 | 2♉10 | 13°D56 | 15♍19 | 11♏59 | 1♑59 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s28 | 16s23 | 3n29 | 22s20 | 1n 2 | 18s42 | 1s39 | 23s20 | 0s21 | 14n12 | 0s58 | 19n22 | 0n56 | 14n12 | 0n46 | 1n52 | 1n32 | 2s34 | 15s46 | 5n48 | 5n12 | 10s37 | 18s27 | 5n 6 |
| T 2 | 22 20 | 13 53 | 2 33 | 22 33 | 0 53 | 18 21 | 1 38 | 23 25 | 0 21 | 14 12 | 0 58 | 19 23 | 0 56 | 14 13 | 0 46 | 1 52 | 1 32 | 2 34 | 15 46 | 5 50 | 5 13 | 10 38 | 18 27 | 5 6 |
| W 3 | 22 12 | 10 38 | 1 27 | 22 44 | 0 44 | 17 59 | 1 38 | 23 29 | 0 22 | 14 13 | 0 58 | 19 24 | 0 56 | 14 14 | 0 46 | 1 52 | 1 32 | 2 34 | 15 46 | 5 52 | 5 14 | 10 40 | 18 27 | 5 6 |
| T 4 | 22 3 | 6 46 | 0 16 | 22 55 | 0 35 | 17 36 | 1 38 | 23 33 | 0 23 | 14 13 | 0 57 | 19 25 | 0 56 | 14 14 | 0 46 | 1 53 | 1 32 | 2 33 | 15 45 | 5 52 | 5 15 | 10 42 | 18 27 | 5 6 |
| F 5 | 21 54 | 2 31 | 0s57 | 23 6 | 0 26 | 17 13 | 1 37 | 23 37 | 0 23 | 14 14 | 0 57 | 19 27 | 0 56 | 14 15 | 0 46 | 1 53 | 1 32 | 2 33 | 15 45 | 5 52 | 5 17 | 10 43 | 18 26 | 5 7 |
| S 6 | 21 44 | 1n55 | 2 8 | 23 15 | 0 18 | 16 49 | 1 37 | 23 41 | 0 24 | 14 15 | 0 57 | 19 28 | 0 57 | 14 16 | 0 46 | 1 53 | 1 32 | 2 33 | 15 45 | 5 52 | 5 18 | 10 45 | 18 26 | 5 7 |
| S 7 | 21 34 | 6 17 | 3 12 | 23 24 | 0 9 | 16 25 | 1 36 | 23 44 | 0 25 | 14 15 | 0 57 | 19 29 | 0 57 | 14 16 | 0 46 | 1 53 | 1 32 | 2 33 | 15 44 | 5 52 | 5 19 | 10 46 | 18 26 | 5 7 |
| M 8 | 21 24 | 10 20 | 4 5 | 23 31 | 0 1 | 16 0 | 1 35 | 23 47 | 0 25 | 14 16 | 0 56 | 19 31 | 0 57 | 14 17 | 0 46 | 1 53 | 1 32 | 2 32 | 15 44 | 5 52 | 5 20 | 10 48 | 18 26 | 5 7 |
| T 9 | 21 13 | 13 50 | 4 43 | 23 37 | 0s 7 | 15 36 | 1 35 | 23 50 | 0 26 | 14 17 | 0 56 | 19 32 | 0 57 | 14 18 | 0 46 | 1 54 | 1 32 | 2 32 | 15 44 | 5 53 | 5 22 | 10 50 | 18 26 | 5 8 |
| W10 | 21 2 | 16 30 | 5 4 | 23 43 | 0 15 | 15 10 | 1 34 | 23 53 | 0 27 | 14 18 | 0 56 | 19 33 | 0 57 | 14 19 | 0 46 | 1 54 | 1 32 | 2 32 | 15 43 | 5 55 | 5 23 | 10 51 | 18 25 | 5 8 |
| T 11 | 20 50 | 18 9 | 5 6 | 23 47 | 0 23 | 14 44 | 1 33 | 23 55 | 0 28 | 14 19 | 0 55 | 19 35 | 0 57 | 14 19 | 0 46 | 1 54 | 1 32 | 2 31 | 15 43 | 5 58 | 5 24 | 10 53 | 18 25 | 5 8 |
| F 12 | 20 38 | 18 39 | 4 48 | 23 50 | 0 30 | 14 18 | 1 32 | 23 58 | 0 28 | 14 20 | 0 55 | 19 36 | 0 57 | 14 20 | 0 46 | 1 55 | 1 32 | 2 31 | 15 43 | 6 1 | 5 25 | 10 54 | 18 25 | 5 8 |
| S 13 | 20 26 | 17 58 | 4 13 | 23 52 | 0 37 | 13 52 | 1 31 | 24 0 | 0 29 | 14 21 | 0 55 | 19 37 | 0 57 | 14 21 | 0 47 | 1 55 | 1 33 | 2 31 | 15 42 | 6 4 | 5 27 | 10 56 | 18 24 | 5 9 |
| S 14 | 20 13 | 16 13 | 3 24 | 23 53 | 0 44 | 13 25 | 1 30 | 24 1 | 0 30 | 14 22 | 0 55 | 19 39 | 0 58 | 14 22 | 0 47 | 1 55 | 1 33 | 2 30 | 15 42 | 6 7 | 5 28 | 10 57 | 18 24 | 5 9 |
| M15 | 19 59 | 13 35 | 2 24 | 23 52 | 0 51 | 12 58 | 1 29 | 24 3 | 0 30 | 14 24 | 0 54 | 19 40 | 0 58 | 14 23 | 0 47 | 1 55 | 1 33 | 2 30 | 15 42 | 6 9 | 5 29 | 10 59 | 18 24 | 5 9 |
| T 16 | 19 46 | 10 19 | 1 17 | 23 51 | 0 58 | 12 30 | 1 27 | 24 4 | 0 31 | 14 25 | 0 54 | 19 41 | 0 58 | 14 23 | 0 47 | 1 56 | 1 33 | 2 30 | 15 41 | 6 10 | 5 30 | 11 1 | 18 23 | 5 9 |
| W17 | 19 32 | 6 38 | 0 8 | 23 48 | 1 4 | 12 2 | 1 26 | 24 5 | 0 32 | 14 26 | 0 54 | 19 43 | 0 58 | 14 24 | 0 47 | 1 56 | 1 33 | 2 29 | 15 41 | 6 10 | 5 32 | 11 2 | 18 23 | 5 10 |
| T 18 | 19 18 | 2 45 | 1n 0 | 23 43 | 1 10 | 11 34 | 1 24 | 24 6 | 0 33 | 14 28 | 0 53 | 19 44 | 0 58 | 14 25 | 0 47 | 1 57 | 1 33 | 2 29 | 15 41 | 6 10 | 5 33 | 11 4 | 18 23 | 5 10 |
| F 19 | 19 3 | 1s10 | 2 3 | 23 37 | 1 16 | 11 5 | 1 23 | 24 6 | 0 33 | 14 29 | 0 53 | 19 45 | 0 58 | 14 26 | 0 47 | 1 57 | 1 33 | 2 28 | 15 40 | 6 9 | 5 34 | 11 5 | 18 22 | 5 10 |
| S 20 | 18 48 | 4 57 | 3 0 | 23 30 | 1 21 | 10 37 | 1 21 | 24 6 | 0 34 | 14 31 | 0 53 | 19 47 | 0 58 | 14 27 | 0 47 | 1 57 | 1 33 | 2 28 | 15 40 | 6 9 | 5 35 | 11 7 | 18 22 | 5 11 |
| S 21 | 18 33 | 8 30 | 3 49 | 23 22 | 1 27 | 10 8 | 1 20 | 24 6 | 0 35 | 14 32 | 0 53 | 19 48 | 0 58 | 14 27 | 0 47 | 1 58 | 1 33 | 2 28 | 15 40 | 6 8 | 5 37 | 11 9 | 18 22 | 5 11 |
| M22 | 18 17 | 11 41 | 4 27 | 23 12 | 1 32 | 9 38 | 1 18 | 24 6 | 0 35 | 14 34 | 0 52 | 19 49 | 0 58 | 14 28 | 0 47 | 1 58 | 1 33 | 2 27 | 15 39 | 6 8 | 5 38 | 11 10 | 18 21 | 5 11 |
| T 23 | 18 1 | 14 24 | 4 55 | 23 0 | 1 36 | 9 9 | 1 16 | 24 5 | 0 36 | 14 36 | 0 52 | 19 51 | 0 59 | 14 29 | 0 47 | 1 58 | 1 33 | 2 27 | 15 39 | 6 9 | 5 39 | 11 12 | 18 21 | 5 12 |
| W24 | 17 45 | 16 32 | 5 9 | 22 48 | 1 41 | 8 39 | 1 14 | 24 4 | 0 37 | 14 37 | 0 52 | 19 52 | 0 59 | 14 30 | 0 47 | 1 59 | 1 33 | 2 26 | 15 39 | 6 10 | 5 40 | 11 13 | 18 21 | 5 12 |
| T 25 | 17 28 | 17 58 | 5 11 | 22 33 | 1 45 | 8 9 | 1 12 | 24 3 | 0 38 | 14 39 | 0 51 | 19 53 | 0 59 | 14 31 | 0 47 | 1 59 | 1 33 | 2 26 | 15 38 | 6 12 | 5 41 | 11 15 | 18 20 | 5 12 |
| F 26 | 17 11 | 18 35 | 4 57 | 22 18 | 1 48 | 7 39 | 1 10 | 24 2 | 0 38 | 14 41 | 0 51 | 19 54 | 0 59 | 14 32 | 0 47 | 2 0 | 1 33 | 2 25 | 15 38 | 6 14 | 5 43 | 11 16 | 18 20 | 5 13 |
| S 27 | 16 54 | 18 17 | 4 29 | 22 0 | 1 52 | 7 8 | 1 8 | 24 0 | 0 39 | 14 43 | 0 51 | 19 56 | 0 59 | 14 33 | 0 47 | 2 0 | 1 33 | 2 25 | 15 38 | 6 16 | 5 44 | 11 18 | 18 19 | 5 13 |
| S 28 | 16 37 | 17 2 | 3 47 | 21 42 | 1 55 | 6 38 | 1 6 | 23 58 | 0 40 | 14 45 | 0 51 | 19 57 | 0 59 | 14 33 | 0 47 | 2 1 | 1 33 | 2 25 | 15 37 | 6 18 | 5 45 | 11 19 | 18 19 | 5 14 |
| M29 | 16 19 | 14 50 | 2 51 | 21 21 | 1 57 | 6 7 | 1 4 | 23 56 | 0 40 | 14 47 | 0 50 | 19 58 | 0 59 | 14 34 | 0 47 | 2 1 | 1 33 | 2 24 | 15 37 | 6 20 | 5 46 | 11 21 | 18 18 | 5 14 |
| T 30 | 16 1 | 11 47 | 1 45 | 20 59 | 2 0 | 5 36 | 1 2 | 23 54 | 0 41 | 14 49 | 0 50 | 19 59 | 0 59 | 14 35 | 0 47 | 2 2 | 1 33 | 2 24 | 15 37 | 6 21 | 5 48 | 11 23 | 18 18 | 5 14 |
| W31 | 15s42 | 8s 2 | 0n31 | 20s36 | 2s 2 | 5s 5 | 0s59 | 23s51 | 0s42 | 14n51 | 0s50 | 20n 1 | 0n59 | 14n36 | 0n47 | 2n 2 | 1n33 | 2s23 | 15s36 | 6n21 | 5n49 | 11s24 | 18s17 | 5n15 |

Julian Day Number = 2131233.5, Delta T = 16m32s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'49, Lahiri = 11°37'50 Julian Calendar 1 Jan. 1123 == Greg. Calendar 8 Jan. 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## FEBRUARY 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 7 28 | 18♒21'38 | 22♓15 | 8♒34 | 20♓43 | 10♉57 | 12♉32 | 5°R 8 | 23°R 6 | 28°R27 | 2♉11 | 13♍56 | 15♍16 | 12♏ 5 | 2♉ 4 | T 1 |
| F 2 | 9 11 24 | 19°22'05 | 6♈21 | 10°17 | 21°56 | 11°43 | 12°39 | 5♌ 3 | 23♌ 4 | 28♍26 | 2°11 | 13°57 | 15°12 | 12°12 | 2° 9 | F 2 |
| S 3 | 9 15 21 | 20°22'31 | 20°31 | 12° 0 | 23° 9 | 12°28 | 12°45 | 4°59 | 23° 1 | 28°25 | 2°12 | 13°58 | 15° 9 | 12°19 | 2°14 | S 3 |
| S 4 | 9 19 17 | 21°22'55 | 4♉44 | 13°44 | 24°22 | 13°13 | 12°52 | 4°54 | 22°59 | 28°24 | 2°12 | 14° 0 | 15° 6 | 12°25 | 2°18 | S 4 |
| M 5 | 9 23 14 | 22°23'16 | 18°55 | 15°30 | 25°35 | 13°59 | 12°59 | 4°49 | 22°56 | 28°23 | 2°13 | 14°R 0 | 15° 3 | 12°32 | 2°23 | M 5 |
| T 6 | 9 27 10 | 23°23'36 | 3♊ 5 | 17°16 | 26°48 | 14°44 | 13° 6 | 4°45 | 22°53 | 28°21 | 2°14 | 14° 0 | 15° 0 | 12°39 | 2°28 | T 6 |
| W 7 | 9 31 7 | 24°23'54 | 17°10 | 19° 3 | 28° 1 | 15°29 | 13°13 | 4°40 | 22°51 | 28°20 | 2°14 | 13°59 | 14°57 | 12°45 | 2°32 | W 7 |
| T 8 | 9 35 4 | 25°24'09 | 1♋ 8 | 20°52 | 29°14 | 16°15 | 13°20 | 4°36 | 22°48 | 28°19 | 2°15 | 13°57 | 14°53 | 12°52 | 2°36 | T 8 |
| F 9 | 9 39 0 | 26°24'23 | 14°58 | 22°41 | 0♈26 | 17° 0 | 13°27 | 4°32 | 22°46 | 28°17 | 2°15 | 13°54 | 14°50 | 12°59 | 2°41 | F 9 |
| S 10 | 9 42 57 | 27°24'34 | 28°37 | 24°31 | 1°39 | 17°45 | 13°35 | 4°27 | 22°43 | 28°16 | 2°16 | 13°52 | 14°47 | 13° 6 | 2°45 | S 10 |
| S 11 | 9 46 53 | 28°24'44 | 12♌ 2 | 26°22 | 2°51 | 18°31 | 13°43 | 4°23 | 22°40 | 28°15 | 2°17 | 13°50 | 14°44 | 13°12 | 2°49 | S 11 |
| M12 | 9 50 50 | 29°24'51 | 25°14 | 28°15 | 4° 4 | 19°16 | 13°51 | 4°19 | 22°38 | 28°13 | 2°17 | 13°48 | 14°41 | 13°19 | 2°54 | M12 |
| T 13 | 9 54 46 | 0♓24'57 | 8♍ 9 | 0♓ 8 | 5°16 | 20° 2 | 13°59 | 4°15 | 22°35 | 28°12 | 2°18 | 13°D48 | 14°37 | 13°26 | 2°58 | T 13 |
| W14 | 9 58 43 | 1°25'00 | 20°50 | 2° 2 | 6°29 | 20°47 | 14° 7 | 4°11 | 22°33 | 28°10 | 2°19 | 13°48 | 14°34 | 13°32 | 3° 2 | W14 |
| T 15 | 10 2 39 | 2°25'02 | 3♎15 | 3°57 | 7°41 | 21°33 | 14°15 | 4° 7 | 22°30 | 28° 9 | 2°20 | 13°48 | 14°31 | 13°39 | 3° 6 | T 15 |
| F 16 | 10 6 36 | 3°25'02 | 15°27 | 5°52 | 8°53 | 22°19 | 14°24 | 4° 3 | 22°27 | 28° 8 | 2°20 | 13°49 | 14°28 | 13°46 | 3°10 | F 16 |
| S 17 | 10 10 33 | 4°25'01 | 27°28 | 7°49 | 10° 5 | 23° 4 | 14°32 | 3°59 | 22°25 | 28° 6 | 2°21 | 13°50 | 14°25 | 13°52 | 3°14 | S 17 |
| S 18 | 10 14 29 | 5°24'57 | 9♏23 | 9°46 | 11°17 | 23°50 | 14°41 | 3°55 | 22°22 | 28° 5 | 2°22 | 13°51 | 14°22 | 13°59 | 3°18 | S 18 |
| M19 | 10 18 26 | 6°24'52 | 21°15 | 11°43 | 12°29 | 24°35 | 14°50 | 3°51 | 22°20 | 28° 3 | 2°23 | 13°52 | 14°18 | 14° 6 | 3°21 | M19 |
| T 20 | 10 22 22 | 7°24'45 | 3♐ 8 | 13°41 | 13°41 | 25°21 | 14°58 | 3°48 | 22°17 | 28° 2 | 2°24 | 13°R52 | 14°15 | 14°13 | 3°25 | T 20 |
| W21 | 10 26 19 | 8°24'37 | 15° 8 | 15°39 | 14°53 | 26° 7 | 15° 8 | 3°44 | 22°15 | 28° 0 | 2°24 | 13°52 | 14°12 | 14°19 | 3°29 | W21 |
| T 22 | 10 30 15 | 9°24'27 | 27°18 | 17°37 | 16° 4 | 26°52 | 15°17 | 3°41 | 22°12 | 27°59 | 2°25 | 13°52 | 14° 9 | 14°26 | 3°32 | T 22 |
| F 23 | 10 34 12 | 10°24'15 | 9♑43 | 19°35 | 17°16 | 27°38 | 15°26 | 3°37 | 22°10 | 27°57 | 2°26 | 13°52 | 14° 6 | 14°33 | 3°36 | F 23 |
| S 24 | 10 38 8 | 11°24'01 | 22°28 | 21°32 | 18°27 | 28°24 | 15°36 | 3°34 | 22° 7 | 27°55 | 2°27 | 13°51 | 14° 2 | 14°39 | 3°39 | S 24 |
| S 25 | 10 42 5 | 12°23'46 | 5♒34 | 23°27 | 19°39 | 29°10 | 15°45 | 3°31 | 22° 5 | 27°54 | 2°28 | 13°51 | 13°59 | 14°46 | 3°42 | S 25 |
| M26 | 10 46 2 | 13°23'28 | 19° 2 | 25°22 | 20°50 | 29°55 | 15°55 | 3°27 | 22° 3 | 27°52 | 2°29 | 13°D51 | 13°56 | 14°53 | 3°46 | M26 |
| T 27 | 10 49 58 | 14°23'09 | 2♓53 | 27°15 | 22° 1 | 0♒41 | 16° 5 | 3°24 | 22° 0 | 27°51 | 2°30 | 13°51 | 13°53 | 15° 0 | 3°49 | T 27 |
| W28 | 10 53 55 | 15♓22'48 | 17♓ 3 | 29♓ 6 | 23♈12 | 1♒27 | 16♉14 | 3♌21 | 21♌58 | 27♍49 | 2♉31 | 13°R51 | 13♍50 | 15♏ 6 | 3♉52 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s24 | 3s47 | 0s46 | 20s11 | 2s 3 | 4s34 | 0s57 | 23s48 | 0s43 | 14n53 | 0s50 | 20n 2 | 0n59 | 14n37 | 0n47 | 2n 3 | 1n33 | 2s23 | 15s36 | 6n21 | 5n50 | 11s26 | 18s17 | 5n15 |
| F 2 | 15 5 | 0n42 | 2 0 | 19 45 | 2 4 | 4 3 | 0 54 | 23 45 | 0 43 | 14 55 | 0 49 | 20 3 | 0 59 | 14 38 | 0 47 | 2 3 | 1 33 | 2 22 | 15 36 | 6 21 | 5 51 | 11 27 | 18 17 | 5 15 |
| S 3 | 14 46 | 5 9 | 3 8 | 19 17 | 2 5 | 3 32 | 0 52 | 23 42 | 0 44 | 14 57 | 0 49 | 20 4 | 0 59 | 14 39 | 0 47 | 2 4 | 1 34 | 2 22 | 15 35 | 6 20 | 5 53 | 11 29 | 18 16 | 5 16 |
| S 4 | 14 26 | 9 19 | 4 4 | 18 47 | 2 6 | 3 0 | 0 49 | 23 38 | 0 45 | 15 0 | 0 49 | 20 5 | 1 0 | 14 39 | 0 47 | 2 4 | 1 34 | 2 21 | 15 35 | 6 20 | 5 54 | 11 30 | 18 16 | 5 16 |
| M 5 | 14 7 | 12 57 | 4 46 | 18 16 | 2 5 | 2 29 | 0 47 | 23 34 | 0 45 | 15 2 | 0 49 | 20 7 | 1 0 | 14 40 | 0 47 | 2 5 | 1 34 | 2 21 | 15 35 | 6 19 | 5 55 | 11 32 | 18 15 | 5 17 |
| T 6 | 13 47 | 15 48 | 5 10 | 17 43 | 2 5 | 1 57 | 0 44 | 23 30 | 0 46 | 15 4 | 0 48 | 20 8 | 1 0 | 14 41 | 0 47 | 2 5 | 1 34 | 2 20 | 15 34 | 6 19 | 5 56 | 11 34 | 18 15 | 5 17 |
| W 7 | 13 27 | 17 42 | 5 15 | 17 8 | 2 4 | 1 25 | 0 41 | 23 25 | 0 47 | 15 7 | 0 48 | 20 9 | 1 0 | 14 42 | 0 47 | 2 6 | 1 34 | 2 20 | 15 34 | 6 20 | 5 57 | 11 35 | 18 14 | 5 18 |
| T 8 | 13 7 | 18 32 | 5 1 | 16 32 | 2 2 | 0 54 | 0 38 | 23 21 | 0 48 | 15 9 | 0 48 | 20 10 | 1 0 | 14 43 | 0 47 | 2 6 | 1 34 | 2 19 | 15 34 | 6 21 | 5 59 | 11 37 | 18 14 | 5 18 |
| F 9 | 12 46 | 18 14 | 4 30 | 15 55 | 2 1 | 0 22 | 0 36 | 23 16 | 0 48 | 15 12 | 0 48 | 20 11 | 1 0 | 14 44 | 0 47 | 2 7 | 1 34 | 2 19 | 15 33 | 6 22 | 6 0 | 11 38 | 18 13 | 5 18 |
| S 10 | 12 26 | 16 52 | 3 44 | 15 16 | 1 58 | 0n10 | 0 33 | 23 11 | 0 49 | 15 14 | 0 47 | 20 12 | 1 0 | 14 45 | 0 47 | 2 8 | 1 34 | 2 18 | 15 33 | 6 23 | 6 1 | 11 40 | 18 13 | 5 19 |
| S 11 | 12 5 | 14 36 | 2 47 | 14 35 | 1 55 | 0 41 | 0 30 | 23 5 | 0 50 | 15 17 | 0 47 | 20 13 | 1 0 | 14 46 | 0 47 | 2 8 | 1 34 | 2 18 | 15 33 | 6 23 | 6 2 | 11 41 | 18 12 | 5 19 |
| M12 | 11 44 | 11 35 | 1 41 | 13 53 | 1 52 | 1 13 | 0 27 | 22 59 | 0 50 | 15 19 | 0 47 | 20 14 | 1 0 | 14 46 | 0 47 | 2 9 | 1 34 | 2 17 | 15 32 | 6 24 | 6 4 | 11 43 | 18 11 | 5 20 |
| T 13 | 11 23 | 8 4 | 0 31 | 13 9 | 1 47 | 1 45 | 0 24 | 22 53 | 0 51 | 15 22 | 0 47 | 20 15 | 1 0 | 14 47 | 0 47 | 2 9 | 1 34 | 2 17 | 15 32 | 6 24 | 6 5 | 11 44 | 18 11 | 5 20 |
| W14 | 11 1 | 4 15 | 0n39 | 12 24 | 1 43 | 2 16 | 0 20 | 22 47 | 0 52 | 15 24 | 0 47 | 20 16 | 1 0 | 14 48 | 0 47 | 2 10 | 1 34 | 2 16 | 15 32 | 6 24 | 6 6 | 11 46 | 18 10 | 5 21 |
| T 15 | 10 40 | 0 19 | 1 46 | 11 37 | 1 38 | 2 48 | 0 17 | 22 41 | 0 53 | 15 27 | 0 46 | 20 17 | 1 0 | 14 49 | 0 47 | 2 10 | 1 34 | 2 16 | 15 31 | 6 24 | 6 7 | 11 47 | 18 10 | 5 21 |
| F 16 | 10 18 | 3s33 | 2 47 | 10 49 | 1 32 | 3 19 | 0 14 | 22 34 | 0 53 | 15 30 | 0 46 | 20 18 | 1 0 | 14 50 | 0 47 | 2 11 | 1 34 | 2 15 | 15 31 | 6 24 | 6 9 | 11 49 | 18 9 | 5 22 |
| S 17 | 9 56 | 7 13 | 3 39 | 10 0 | 1 26 | 3 51 | 0 11 | 22 27 | 0 54 | 15 33 | 0 46 | 20 19 | 1 0 | 14 51 | 0 47 | 2 12 | 1 34 | 2 15 | 15 31 | 6 23 | 6 10 | 11 51 | 18 9 | 5 22 |
| S 18 | 9 34 | 10 33 | 4 22 | 9 9 | 1 19 | 4 22 | 0 8 | 22 20 | 0 55 | 15 35 | 0 46 | 20 20 | 1 0 | 14 51 | 0 47 | 2 12 | 1 34 | 2 14 | 15 31 | 6 23 | 6 11 | 11 52 | 18 8 | 5 22 |
| M19 | 9 12 | 13 26 | 4 53 | 8 18 | 1 11 | 4 53 | 0 4 | 22 13 | 0 55 | 15 38 | 0 45 | 20 21 | 1 0 | 14 52 | 0 47 | 2 13 | 1 34 | 2 14 | 15 30 | 6 23 | 6 12 | 11 54 | 18 8 | 5 23 |
| T 20 | 8 50 | 15 47 | 5 12 | 7 25 | 1 3 | 5 25 | 0 1 | 22 5 | 0 56 | 15 41 | 0 45 | 20 22 | 1 0 | 14 53 | 0 47 | 2 14 | 1 34 | 2 13 | 15 30 | 6 22 | 6 14 | 11 55 | 18 7 | 5 23 |
| W21 | 8 27 | 17 28 | 5 17 | 6 31 | 0 54 | 5 56 | 0n 3 | 21 57 | 0 57 | 15 44 | 0 45 | 20 23 | 1 0 | 14 54 | 0 47 | 2 14 | 1 34 | 2 13 | 15 30 | 6 22 | 6 15 | 11 57 | 18 6 | 5 24 |
| T 22 | 8 5 | 18 23 | 5 9 | 5 36 | 0 45 | 6 27 | 0 6 | 21 49 | 0 57 | 15 47 | 0 45 | 20 24 | 1 0 | 14 55 | 0 47 | 2 15 | 1 34 | 2 12 | 15 29 | 6 23 | 6 16 | 11 58 | 18 6 | 5 24 |
| F 23 | 7 42 | 18 27 | 4 46 | 4 41 | 0 35 | 6 57 | 0 9 | 21 41 | 0 58 | 15 50 | 0 45 | 20 25 | 1 0 | 14 55 | 0 47 | 2 15 | 1 34 | 2 11 | 15 29 | 6 23 | 6 17 | 12 0 | 18 5 | 5 25 |
| S 24 | 7 19 | 17 35 | 4 8 | 3 45 | 0 25 | 7 28 | 0 13 | 21 32 | 0 59 | 15 53 | 0 44 | 20 26 | 1 0 | 14 56 | 0 47 | 2 16 | 1 34 | 2 11 | 15 29 | 6 23 | 6 18 | 12 1 | 18 5 | 5 25 |
| S 25 | 6 56 | 15 47 | 3 17 | 2 49 | 0 14 | 7 58 | 0 17 | 21 23 | 0 59 | 15 56 | 0 44 | 20 26 | 1 0 | 14 57 | 0 47 | 2 17 | 1 34 | 2 10 | 15 29 | 6 23 | 6 20 | 12 3 | 18 4 | 5 26 |
| M26 | 6 33 | 13 4 | 2 13 | 1 53 | 0 3 | 8 29 | 0 20 | 21 14 | 1 0 | 15 59 | 0 44 | 20 27 | 1 0 | 14 58 | 0 47 | 2 17 | 1 34 | 2 10 | 15 28 | 6 23 | 6 21 | 12 4 | 18 4 | 5 26 |
| T 27 | 6 10 | 9 33 | 1 1 | 0 58 | 0n 9 | 8 59 | 0 24 | 21 5 | 1 1 | 16 2 | 0 44 | 20 28 | 1 0 | 14 59 | 0 47 | 2 18 | 1 34 | 2 9 | 15 28 | 6 23 | 6 22 | 12 6 | 18 3 | 5 27 |
| W28 | 5s47 | 5s25 | 0s18 | 0s 2 | 0n21 | 9n29 | 0n27 | 20s56 | 1s 2 | 16n 5 | 0s43 | 20n29 | 1n 1 | 14n59 | 0n47 | 2n19 | 1n34 | 2s 9 | 15s28 | 6n23 | 6n23 | 12s 7 | 18s 2 | 5n27 |

Julian Day Number = 2131264.5, Delta T = 16m32s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'53, Lahiri = 11°37'54 Julian Calendar 1 Feb. 1123 == Greg. Calendar 8 Feb. 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## MARCH 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 57 51 | 16♓22'24 | 1♈28 | 0♈54 | 24♈23 | 2♒13 | 16♉24 | 3°R18 | 21°R55 | 27°R47 | 2♉32 | 13°R51 | 13♍47 | 15♏13 | 3♑55 | T 1 |
| F 2 | 11 1 48 | 17°21'58 | 16° 3 | 2°39 | 25°34 | 2°59 | 16°35 | 3♌16 | 21♌53 | 27♍46 | 2°33 | 13♍51 | 13°43 | 15°20 | 3°58 | F 2 |
| S 3 | 11 5 44 | 18°21'31 | 0♉41 | 4°21 | 26°45 | 3°44 | 16°45 | 3°13 | 21°51 | 27°44 | 2°34 | 13°50 | 13°40 | 15°26 | 4° 1 | S 3 |
| S 4 | 11 9 41 | 19°21'01 | 15°16 | 5°59 | 27°56 | 4°30 | 16°55 | 3°10 | 21°49 | 27°43 | 2°35 | 13°50 | 13°37 | 15°33 | 4° 4 | S 4 |
| M 5 | 11 13 37 | 20°20'28 | 29°44 | 7°32 | 29° 6 | 5°16 | 17° 6 | 3° 8 | 21°46 | 27°41 | 2°36 | 13°49 | 13°34 | 15°40 | 4° 6 | M 5 |
| T 6 | 11 17 34 | 21°19'54 | 13♊59 | 9° 1 | 0♉17 | 6° 2 | 17°16 | 3° 5 | 21°44 | 27°39 | 2°37 | 13°49 | 13°31 | 15°46 | 4° 9 | T 6 |
| W 7 | 11 21 31 | 22°19'16 | 28° 0 | 10°25 | 1°27 | 6°48 | 17°27 | 3° 3 | 21°42 | 27°38 | 2°38 | 13°D49 | 13°28 | 15°53 | 4°11 | W 7 |
| T 8 | 11 25 27 | 23°18'37 | 11♋46 | 11°43 | 2°37 | 7°34 | 17°38 | 3° 1 | 21°40 | 27°36 | 2°39 | 13°49 | 13°24 | 16° 0 | 4°14 | T 8 |
| F 9 | 11 29 24 | 24°17'55 | 25°16 | 12°55 | 3°47 | 8°19 | 17°48 | 2°58 | 21°38 | 27°34 | 2°40 | 13°50 | 13°21 | 16° 7 | 4°16 | F 9 |
| S 10 | 11 33 20 | 25°17'11 | 8♌31 | 14° 1 | 4°57 | 9° 5 | 17°59 | 2°56 | 21°36 | 27°33 | 2°41 | 13°51 | 13°18 | 16°13 | 4°19 | S 10 |
| S 11 | 11 37 17 | 26°16'24 | 21°32 | 15° 1 | 6° 7 | 9°51 | 18°10 | 2°54 | 21°34 | 27°31 | 2°42 | 13°52 | 13°15 | 16°20 | 4°21 | S 11 |
| M12 | 11 41 13 | 27°15'36 | 4♍20 | 15°54 | 7°17 | 10°37 | 18°21 | 2°53 | 21°32 | 27°29 | 2°44 | 13°53 | 13°12 | 16°27 | 4°23 | M12 |
| T 13 | 11 45 10 | 28°14'45 | 16°55 | 16°40 | 8°26 | 11°23 | 18°33 | 2°51 | 21°30 | 27°28 | 2°45 | 13°R53 | 13° 8 | 16°33 | 4°25 | T 13 |
| W14 | 11 49 6 | 29°13'51 | 29°19 | 17°19 | 9°36 | 12° 9 | 18°44 | 2°49 | 21°28 | 27°26 | 2°46 | 13°52 | 13° 5 | 16°40 | 4°27 | W14 |
| T 15 | 11 53 3 | 0♈12'56 | 11♎33 | 17°51 | 10°45 | 12°55 | 18°55 | 2°48 | 21°26 | 27°24 | 2°47 | 13°51 | 13° 2 | 16°47 | 4°29 | T 15 |
| F 16 | 11 56 59 | 1°11'59 | 23°39 | 18°17 | 11°54 | 13°41 | 19° 7 | 2°46 | 21°24 | 27°23 | 2°48 | 13°48 | 12°59 | 16°54 | 4°31 | F 16 |
| S 17 | 12 0 56 | 2°11'00 | 5♏37 | 18°35 | 13° 3 | 14°27 | 19°18 | 2°45 | 21°22 | 27°21 | 2°49 | 13°46 | 12°56 | 17° 0 | 4°33 | S 17 |
| S 18 | 12 4 53 | 3° 9'58 | 17°31 | 18°46 | 14°12 | 15°13 | 19°30 | 2°44 | 21°21 | 27°20 | 2°51 | 13°43 | 12°53 | 17° 7 | 4°34 | S 18 |
| M19 | 12 8 49 | 4° 8'55 | 29°22 | 18°R50 | 15°21 | 15°59 | 19°42 | 2°43 | 21°19 | 27°18 | 2°52 | 13°40 | 12°49 | 17°14 | 4°36 | M19 |
| T 20 | 12 12 46 | 5° 7'51 | 11♐16 | 18°47 | 16°29 | 16°44 | 19°53 | 2°42 | 21°17 | 27°16 | 2°53 | 13°37 | 12°46 | 17°20 | 4°38 | T 20 |
| W21 | 12 16 42 | 6° 6'44 | 23°14 | 18°38 | 17°38 | 17°30 | 20° 5 | 2°41 | 21°16 | 27°15 | 2°54 | 13°35 | 12°43 | 17°27 | 4°39 | W21 |
| T 22 | 12 20 39 | 7° 5'36 | 5♑22 | 18°23 | 18°46 | 18°16 | 20°17 | 2°40 | 21°14 | 27°13 | 2°55 | 13°D35 | 12°40 | 17°34 | 4°40 | T 22 |
| F 23 | 12 24 35 | 8° 4'26 | 17°45 | 18° 3 | 19°54 | 19° 2 | 20°29 | 2°39 | 21°13 | 27°11 | 2°57 | 13°35 | 12°37 | 17°41 | 4°42 | F 23 |
| S 24 | 12 28 32 | 9° 3'14 | 0♒25 | 17°37 | 21° 2 | 19°48 | 20°41 | 2°39 | 21°11 | 27°10 | 2°58 | 13°36 | 12°34 | 17°47 | 4°43 | S 24 |
| S 25 | 12 32 28 | 10° 2'00 | 13°29 | 17° 6 | 22°10 | 20°34 | 20°53 | 2°38 | 21°10 | 27° 8 | 2°59 | 13°38 | 12°30 | 17°54 | 4°44 | S 25 |
| M26 | 12 36 25 | 11° 0'44 | 26°57 | 16°31 | 23°17 | 21°20 | 21° 6 | 2°38 | 21° 8 | 27° 7 | 3° 1 | 13°39 | 12°27 | 18° 1 | 4°45 | M26 |
| T 27 | 12 40 22 | 11°59'27 | 10♓52 | 15°53 | 24°25 | 22° 6 | 21°18 | 2°37 | 21° 7 | 27° 5 | 3° 2 | 13°R40 | 12°24 | 18° 7 | 4°46 | T 27 |
| W28 | 12 44 18 | 12°58'08 | 25°13 | 15°13 | 25°32 | 22°52 | 21°30 | 2°37 | 21° 5 | 27° 3 | 3° 3 | 13°39 | 12°21 | 18°14 | 4°47 | W28 |
| T 29 | 12 48 15 | 13°56'47 | 9♈55 | 14°31 | 26°39 | 23°38 | 21°43 | 2°D37 | 21° 4 | 27° 2 | 3° 4 | 13°38 | 12°18 | 18°21 | 4°48 | T 29 |
| F 30 | 12 52 11 | 14°55'24 | 24°52 | 13°48 | 27°46 | 24°24 | 21°55 | 2°37 | 21° 3 | 27° 0 | 3° 6 | 13°34 | 12°14 | 18°27 | 4°48 | F 30 |
| S 31 | 12 56 8 | 15♈53'59 | 9♉55 | 13♈ 5 | 28♉53 | 25♒10 | 22♉ 8 | 2♌37 | 21♌ 2 | 26♍59 | 3♉ 7 | 13♍30 | 12♍11 | 18♏34 | 4♑49 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s24 | 0s53 | 1s36 | 0n52 | 0n34 | 9n58 | 0n31 | 20s46 | 1s 2 | 16n 8 | 0s43 | 20n29 | 1n 1 | 15n 0 | 0n47 | 2n19 | 1n34 | 2s 8 | 15s28 | 6n23 | 6n25 | 12s 9 | 18s 2 | 5n28 |
| F 2 | 5 1 | 3n44 | 2 49 | 1 46 | 0 46 | 10 28 | 0 34 | 20 36 | 1 3 | 16 11 | 0 43 | 20 30 | 1 1 | 15 1 | 0 47 | 2 20 | 1 34 | 2 8 | 15 27 | 6 23 | 6 26 | 12 10 | 18 1 | 5 29 |
| S 3 | 4 37 | 8 9 | 3 52 | 2 38 | 0 59 | 10 57 | 0 38 | 20 26 | 1 4 | 16 14 | 0 43 | 20 31 | 1 1 | 15 2 | 0 47 | 2 21 | 1 34 | 2 7 | 15 27 | 6 23 | 6 27 | 12 12 | 18 0 | 5 29 |
| S 4 | 4 14 | 12 3 | 4 39 | 3 29 | 1 11 | 11 26 | 0 42 | 20 16 | 1 4 | 16 17 | 0 43 | 20 31 | 1 1 | 15 2 | 0 47 | 2 21 | 1 34 | 2 6 | 15 27 | 6 23 | 6 28 | 12 13 | 18 0 | 5 30 |
| M 5 | 3 51 | 15 11 | 5 8 | 4 17 | 1 24 | 11 55 | 0 45 | 20 5 | 1 5 | 16 20 | 0 42 | 20 32 | 1 1 | 15 3 | 0 47 | 2 22 | 1 34 | 2 6 | 15 27 | 6 24 | 6 29 | 12 15 | 17 59 | 5 30 |
| T 6 | 3 27 | 17 20 | 5 17 | 5 4 | 1 36 | 12 23 | 0 49 | 19 55 | 1 6 | 16 23 | 0 42 | 20 32 | 1 1 | 15 4 | 0 47 | 2 23 | 1 34 | 2 5 | 15 26 | 6 24 | 6 31 | 12 16 | 17 59 | 5 31 |
| W 7 | 3 4 | 18 25 | 5 7 | 5 48 | 1 49 | 12 51 | 0 53 | 19 44 | 1 6 | 16 27 | 0 42 | 20 33 | 1 1 | 15 4 | 0 47 | 2 23 | 1 34 | 2 5 | 15 26 | 6 24 | 6 32 | 12 18 | 17 58 | 5 31 |
| T 8 | 2 40 | 18 22 | 4 40 | 6 30 | 2 0 | 13 19 | 0 56 | 19 32 | 1 7 | 16 30 | 0 42 | 20 34 | 1 1 | 15 5 | 0 47 | 2 24 | 1 34 | 2 4 | 15 26 | 6 24 | 6 33 | 12 19 | 17 57 | 5 32 |
| F 9 | 2 16 | 17 17 | 3 58 | 7 9 | 2 12 | 13 47 | 1 0 | 19 21 | 1 7 | 16 33 | 0 42 | 20 34 | 1 1 | 15 6 | 0 47 | 2 25 | 1 34 | 2 4 | 15 26 | 6 23 | 6 34 | 12 21 | 17 57 | 5 32 |
| S 10 | 1 53 | 15 16 | 3 4 | 7 44 | 2 22 | 14 14 | 1 4 | 19 10 | 1 8 | 16 36 | 0 42 | 20 34 | 1 1 | 15 6 | 0 47 | 2 25 | 1 34 | 2 3 | 15 25 | 6 23 | 6 36 | 12 22 | 17 56 | 5 33 |
| S 11 | 1 29 | 12 29 | 2 1 | 8 17 | 2 33 | 14 41 | 1 8 | 18 58 | 1 9 | 16 40 | 0 41 | 20 35 | 1 1 | 15 7 | 0 47 | 2 26 | 1 34 | 2 3 | 15 25 | 6 23 | 6 37 | 12 24 | 17 56 | 5 33 |
| M12 | 1 6 | 9 9 | 0 53 | 8 46 | 2 42 | 15 8 | 1 11 | 18 46 | 1 9 | 16 43 | 0 41 | 20 35 | 1 1 | 15 8 | 0 46 | 2 27 | 1 34 | 2 2 | 15 25 | 6 22 | 6 38 | 12 25 | 17 55 | 5 34 |
| T 13 | 0 42 | 5 27 | 0n17 | 9 12 | 2 50 | 15 34 | 1 15 | 18 34 | 1 10 | 16 46 | 0 41 | 20 36 | 1 1 | 15 8 | 0 46 | 2 27 | 1 34 | 2 1 | 15 25 | 6 22 | 6 39 | 12 27 | 17 54 | 5 34 |
| W14 | 0 18 | 1 34 | 1 24 | 9 34 | 2 58 | 16 0 | 1 19 | 18 22 | 1 11 | 16 49 | 0 41 | 20 36 | 1 1 | 15 9 | 0 46 | 2 28 | 1 34 | 2 1 | 15 25 | 6 22 | 6 40 | 12 29 | 17 54 | 5 35 |
| T 15 | 0n 5 | 2s20 | 2 27 | 9 52 | 3 4 | 16 25 | 1 22 | 18 9 | 1 11 | 16 53 | 0 41 | 20 37 | 1 1 | 15 9 | 0 46 | 2 29 | 1 34 | 2 0 | 15 24 | 6 23 | 6 42 | 12 30 | 17 53 | 5 36 |
| F 16 | 0 29 | 6 5 | 3 22 | 10 7 | 3 10 | 16 50 | 1 26 | 17 57 | 1 12 | 16 56 | 0 40 | 20 37 | 1 1 | 15 10 | 0 46 | 2 29 | 1 34 | 2 0 | 15 24 | 6 24 | 6 43 | 12 31 | 17 52 | 5 36 |
| S 17 | 0 52 | 9 33 | 4 8 | 10 18 | 3 14 | 17 15 | 1 30 | 17 44 | 1 12 | 16 59 | 0 40 | 20 37 | 1 1 | 15 10 | 0 46 | 2 30 | 1 34 | 1 59 | 15 24 | 6 25 | 6 44 | 12 33 | 17 52 | 5 37 |
| S 18 | 1 16 | 12 37 | 4 43 | 10 24 | 3 16 | 17 39 | 1 33 | 17 31 | 1 13 | 17 3 | 0 40 | 20 37 | 1 1 | 15 11 | 0 46 | 2 31 | 1 34 | 1 59 | 15 24 | 6 26 | 6 45 | 12 34 | 17 51 | 5 37 |
| M19 | 1 39 | 15 9 | 5 5 | 10 27 | 3 18 | 18 3 | 1 37 | 17 18 | 1 14 | 17 6 | 0 40 | 20 38 | 1 1 | 15 12 | 0 46 | 2 31 | 1 34 | 1 58 | 15 24 | 6 27 | 6 47 | 12 36 | 17 51 | 5 38 |
| T 20 | 2 3 | 17 2 | 5 14 | 10 26 | 3 18 | 18 27 | 1 40 | 17 4 | 1 14 | 17 9 | 0 40 | 20 38 | 1 1 | 15 12 | 0 46 | 2 32 | 1 34 | 1 57 | 15 24 | 6 28 | 6 48 | 12 37 | 17 50 | 5 38 |
| W21 | 2 26 | 18 13 | 5 10 | 10 21 | 3 16 | 18 50 | 1 44 | 16 51 | 1 15 | 17 13 | 0 40 | 20 38 | 1 1 | 15 13 | 0 46 | 2 33 | 1 34 | 1 57 | 15 23 | 6 29 | 6 49 | 12 39 | 17 49 | 5 39 |
| T 22 | 2 50 | 18 34 | 4 52 | 10 13 | 3 13 | 19 12 | 1 47 | 16 37 | 1 16 | 17 16 | 0 39 | 20 38 | 1 1 | 15 13 | 0 46 | 2 33 | 1 34 | 1 56 | 15 23 | 6 29 | 6 50 | 12 40 | 17 49 | 5 40 |
| F 23 | 3 13 | 18 4 | 4 21 | 10 0 | 3 8 | 19 34 | 1 51 | 16 23 | 1 16 | 17 19 | 0 39 | 20 38 | 1 1 | 15 14 | 0 46 | 2 34 | 1 34 | 1 56 | 15 23 | 6 29 | 6 51 | 12 42 | 17 48 | 5 40 |
| S 24 | 3 36 | 16 39 | 3 36 | 9 45 | 3 2 | 19 56 | 1 54 | 16 9 | 1 17 | 17 23 | 0 39 | 20 39 | 1 1 | 15 14 | 0 46 | 2 35 | 1 34 | 1 55 | 15 23 | 6 29 | 6 53 | 12 43 | 17 48 | 5 41 |
| S 25 | 4 0 | 14 20 | 2 38 | 9 26 | 2 55 | 20 17 | 1 58 | 15 55 | 1 17 | 17 26 | 0 39 | 20 39 | 1 1 | 15 14 | 0 46 | 2 35 | 1 34 | 1 55 | 15 23 | 6 28 | 6 54 | 12 45 | 17 47 | 5 41 |
| M26 | 4 23 | 11 10 | 1 30 | 9 4 | 2 45 | 20 38 | 2 1 | 15 41 | 1 18 | 17 29 | 0 39 | 20 39 | 1 1 | 15 15 | 0 46 | 2 36 | 1 34 | 1 54 | 15 23 | 6 27 | 6 55 | 12 46 | 17 46 | 5 42 |
| T 27 | 4 46 | 7 17 | 0 15 | 8 39 | 2 35 | 20 58 | 2 4 | 15 27 | 1 18 | 17 33 | 0 39 | 20 39 | 1 0 | 15 15 | 0 46 | 2 37 | 1 34 | 1 54 | 15 22 | 6 27 | 6 56 | 12 48 | 17 46 | 5 42 |
| W28 | 5 9 | 2 52 | 1s 3 | 8 13 | 2 23 | 21 18 | 2 7 | 15 12 | 1 19 | 17 36 | 0 38 | 20 39 | 1 0 | 15 16 | 0 46 | 2 37 | 1 34 | 1 53 | 15 22 | 6 27 | 6 58 | 12 49 | 17 45 | 5 43 |
| T 29 | 5 32 | 1n49 | 2 19 | 7 44 | 2 10 | 21 37 | 2 11 | 14 57 | 1 20 | 17 40 | 0 38 | 20 39 | 1 0 | 15 16 | 0 46 | 2 38 | 1 34 | 1 53 | 15 22 | 6 28 | 6 59 | 12 51 | 17 44 | 5 44 |
| F 30 | 5 54 | 6 28 | 3 26 | 7 14 | 1 56 | 21 56 | 2 14 | 14 43 | 1 20 | 17 43 | 0 38 | 20 39 | 1 0 | 15 16 | 0 46 | 2 38 | 1 34 | 1 52 | 15 22 | 6 29 | 7 0 | 12 52 | 17 44 | 5 44 |
| S 31 | 6n17 | 10n44 | 4s20 | 6n44 | 1n40 | 22n14 | 2n17 | 14s28 | 1s21 | 17n46 | 0s38 | 20n39 | 1n 0 | 15n17 | 0n46 | 2n39 | 1n34 | 1s51 | 15s22 | 6n31 | 7n 1 | 12s54 | 17s43 | 5n45 |

Julian Day Number = 2131292.5, Delta T = 16m32s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°30'57, Lahiri = 11°37'58 Julian Calendar 1 March 1123 == Greg. Calendar 8 March 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## APRIL 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 0 4 | 16♈52'32 | 24♉56 | 12°R22 | 29♉59 | 25♒55 | 22♉20 | 2♌38 | 21°R 1 | 26°R57 | 3♉ 8 | 13°R25 | 12♍ 8 | 18♏41 | 4♑49 | S 1 |
| M 2 | 13 4 1 | 17°51'03 | 9♊45 | 11♈41 | 1♊ 6 | 26°41 | 22°33 | 2°38 | 20♌59 | 26♍56 | 3°10 | 13♍21 | 12° 5 | 18°48 | 4°50 | M 2 |
| T 3 | 13 7 57 | 18°49'32 | 24°15 | 11° 2 | 2°12 | 27°27 | 22°46 | 2°39 | 20°58 | 26°54 | 3°11 | 13°17 | 12° 2 | 18°54 | 4°50 | T 3 |
| W 4 | 13 11 54 | 19°47'58 | 8♋24 | 10°26 | 3°18 | 28°13 | 22°58 | 2°39 | 20°57 | 26°53 | 3°12 | 13°15 | 11°59 | 19° 1 | 4°50 | W 4 |
| T 5 | 13 15 51 | 20°46'22 | 22° 9 | 9°53 | 4°23 | 28°59 | 23°11 | 2°40 | 20°57 | 26°51 | 3°14 | 13°D15 | 11°55 | 19° 8 | 4°50 | T 5 |
| F 6 | 13 19 47 | 21°44'45 | 5♌32 | 9°24 | 5°29 | 29°45 | 23°24 | 2°41 | 20°56 | 26°50 | 3°15 | 13°15 | 11°52 | 19°14 | 4°R51 | F 6 |
| S 7 | 13 23 44 | 22°43'05 | 18°34 | 8°59 | 6°34 | 0♓30 | 23°37 | 2°42 | 20°55 | 26°48 | 3°16 | 13°17 | 11°49 | 19°21 | 4°51 | S 7 |
| S 8 | 13 27 40 | 23°41'22 | 1♍19 | 8°38 | 7°39 | 1°16 | 23°50 | 2°43 | 20°54 | 26°47 | 3°18 | 13°18 | 11°46 | 19°28 | 4°50 | S 8 |
| M 9 | 13 31 37 | 24°39'38 | 13°49 | 8°22 | 8°44 | 2° 2 | 24° 3 | 2°44 | 20°53 | 26°45 | 3°19 | 13°R19 | 11°43 | 19°35 | 4°50 | M 9 |
| T 10 | 13 35 33 | 25°37'52 | 26° 8 | 8°11 | 9°49 | 2°48 | 24°16 | 2°45 | 20°53 | 26°44 | 3°20 | 13°18 | 11°39 | 19°41 | 4°50 | T 10 |
| W11 | 13 39 30 | 26°36'03 | 8♎18 | 8° 4 | 10°53 | 3°33 | 24°29 | 2°46 | 20°52 | 26°43 | 3°22 | 13°15 | 11°36 | 19°48 | 4°50 | W11 |
| T 12 | 13 43 26 | 27°34'13 | 20°20 | 8°D 3 | 11°57 | 4°19 | 24°42 | 2°48 | 20°51 | 26°41 | 3°23 | 13°10 | 11°33 | 19°55 | 4°49 | T 12 |
| F 13 | 13 47 23 | 28°32'21 | 2♏18 | 8° 6 | 13° 1 | 5° 5 | 24°55 | 2°49 | 20°51 | 26°40 | 3°24 | 13° 3 | 11°30 | 20° 1 | 4°49 | F 13 |
| S 14 | 13 51 19 | 29°30'28 | 14°13 | 8°14 | 14° 4 | 5°50 | 25° 9 | 2°51 | 20°50 | 26°38 | 3°26 | 12°55 | 11°27 | 20° 8 | 4°48 | S 14 |
| S 15 | 13 55 16 | 0♉28'33 | 26° 5 | 8°27 | 15° 7 | 6°36 | 25°22 | 2°53 | 20°50 | 26°37 | 3°27 | 12°46 | 11°24 | 20°15 | 4°48 | S 15 |
| M16 | 13 59 13 | 1°26'36 | 7♐57 | 8°44 | 16°10 | 7°22 | 25°35 | 2°55 | 20°50 | 26°36 | 3°28 | 12°37 | 11°20 | 20°22 | 4°47 | M16 |
| T 17 | 14 3 9 | 2°24'38 | 19°52 | 9° 6 | 17°13 | 8° 7 | 25°49 | 2°57 | 20°49 | 26°35 | 3°30 | 12°29 | 11°17 | 20°28 | 4°46 | T 17 |
| W18 | 14 7 6 | 3°22'38 | 1♑51 | 9°32 | 18°15 | 8°53 | 26° 2 | 2°59 | 20°49 | 26°33 | 3°31 | 12°23 | 11°14 | 20°35 | 4°45 | W18 |
| T 19 | 14 11 2 | 4°20'37 | 13°59 | 10° 2 | 19°17 | 9°38 | 26°15 | 3° 1 | 20°49 | 26°32 | 3°32 | 12°18 | 11°11 | 20°42 | 4°44 | T 19 |
| F 20 | 14 14 59 | 5°18'34 | 26°19 | 10°37 | 20°19 | 10°24 | 26°29 | 3° 3 | 20°49 | 26°31 | 3°34 | 12°16 | 11° 8 | 20°48 | 4°43 | F 20 |
| S 21 | 14 18 55 | 6°16'30 | 8♒56 | 11°15 | 21°20 | 11°10 | 26°42 | 3° 5 | 20°49 | 26°30 | 3°35 | 12°D16 | 11° 5 | 20°55 | 4°42 | S 21 |
| S 22 | 14 22 52 | 7°14'25 | 21°53 | 11°57 | 22°21 | 11°55 | 26°56 | 3° 8 | 20°48 | 26°28 | 3°37 | 12°16 | 11° 1 | 21° 2 | 4°41 | S 22 |
| M23 | 14 26 48 | 8°12'18 | 5♓16 | 12°43 | 23°22 | 12°41 | 27° 9 | 3°10 | 20°D48 | 26°27 | 3°38 | 12°R17 | 10°58 | 21° 9 | 4°39 | M23 |
| T 24 | 14 30 45 | 9°10'11 | 19° 6 | 13°32 | 24°22 | 13°26 | 27°23 | 3°13 | 20°49 | 26°26 | 3°39 | 12°17 | 10°55 | 21°15 | 4°38 | T 24 |
| W25 | 14 34 42 | 10° 8'01 | 3♈24 | 14°25 | 25°22 | 14°11 | 27°37 | 3°16 | 20°49 | 26°25 | 3°41 | 12°15 | 10°52 | 21°22 | 4°36 | W25 |
| T 26 | 14 38 38 | 11° 5'51 | 18° 8 | 15°21 | 26°21 | 14°57 | 27°50 | 3°19 | 20°49 | 26°24 | 3°42 | 12°11 | 10°49 | 21°29 | 4°35 | T 26 |
| F 27 | 14 42 35 | 12° 3'39 | 3♉13 | 16°20 | 27°21 | 15°42 | 28° 4 | 3°22 | 20°49 | 26°23 | 3°43 | 12° 5 | 10°45 | 21°35 | 4°33 | F 27 |
| S 28 | 14 46 31 | 13° 1'26 | 18°28 | 17°22 | 28°19 | 16°27 | 28°18 | 3°25 | 20°49 | 26°22 | 3°45 | 11°57 | 10°42 | 21°42 | 4°32 | S 28 |
| S 29 | 14 50 28 | 13°59'12 | 3♊45 | 18°27 | 29°18 | 17°13 | 28°31 | 3°28 | 20°50 | 26°21 | 3°46 | 11°48 | 10°39 | 21°49 | 4°30 | S 29 |
| M30 | 14 54 24 | 14♉56'56 | 18♊51 | 19♈35 | 0♋16 | 17♓58 | 28♉45 | 3♌31 | 20♌50 | 26♍20 | 3♉47 | 11♍39 | 10♍36 | 21♏56 | 4♑28 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n40 | 14n18 | 4s56 | 6n13 | 1n25 | 22n31 | 2n20 | 14s12 | 1s21 | 17n50 | 0s38 | 20n39 | 1n 0 | 15n17 | 0n46 | 2n40 | 1n34 | 1s51 | 15s22 | 6n33 | 7n 2 | 12s55 | 17s43 | 5n45 |
| M 2 | 7 2 | 16 53 | 5 11 | 5 42 | 1 8 | 22 48 | 2 23 | 13 57 | 1 22 | 17 53 | 0 38 | 20 39 | 1 0 | 15 17 | 0 46 | 2 40 | 1 34 | 1 50 | 15 22 | 6 35 | 7 4 | 12 57 | 17 42 | 5 46 |
| T 3 | 7 24 | 18 20 | 5 6 | 5 11 | 0 52 | 23 5 | 2 26 | 13 42 | 1 22 | 17 57 | 0 38 | 20 38 | 1 0 | 15 18 | 0 46 | 2 41 | 1 34 | 1 50 | 15 22 | 6 36 | 7 5 | 12 58 | 17 42 | 5 46 |
| W 4 | 7 47 | 18 35 | 4 42 | 4 41 | 0 35 | 23 21 | 2 29 | 13 26 | 1 23 | 18 0 | 0 37 | 20 38 | 1 0 | 15 18 | 0 46 | 2 41 | 1 34 | 1 49 | 15 22 | 6 37 | 7 6 | 13 0 | 17 41 | 5 47 |
| T 5 | 8 9 | 17 43 | 4 3 | 4 13 | 0 18 | 23 36 | 2 32 | 13 11 | 1 23 | 18 3 | 0 37 | 20 38 | 1 0 | 15 18 | 0 46 | 2 42 | 1 34 | 1 49 | 15 21 | 6 37 | 7 7 | 13 1 | 17 40 | 5 48 |
| F 6 | 8 31 | 15 53 | 3 11 | 3 46 | 0 2 | 23 51 | 2 34 | 12 55 | 1 24 | 18 7 | 0 37 | 20 38 | 1 0 | 15 19 | 0 46 | 2 43 | 1 34 | 1 48 | 15 21 | 6 37 | 7 9 | 13 3 | 17 40 | 5 48 |
| S 7 | 8 53 | 13 16 | 2 11 | 3 21 | 0s15 | 24 5 | 2 37 | 12 39 | 1 24 | 18 10 | 0 37 | 20 38 | 1 0 | 15 19 | 0 46 | 2 43 | 1 34 | 1 48 | 15 21 | 6 36 | 7 10 | 13 4 | 17 39 | 5 49 |
| S 8 | 9 14 | 10 3 | 1 5 | 2 58 | 0 31 | 24 19 | 2 40 | 12 24 | 1 25 | 18 13 | 0 37 | 20 37 | 1 0 | 15 19 | 0 46 | 2 44 | 1 34 | 1 47 | 15 21 | 6 36 | 7 11 | 13 6 | 17 39 | 5 49 |
| M 9 | 9 36 | 6 26 | 0n 3 | 2 38 | 0 46 | 24 32 | 2 42 | 12 7 | 1 25 | 18 17 | 0 37 | 20 37 | 1 0 | 15 19 | 0 46 | 2 44 | 1 34 | 1 47 | 15 21 | 6 35 | 7 12 | 13 7 | 17 38 | 5 50 |
| T 10 | 9 57 | 2 36 | 1 9 | 2 20 | 1 1 | 24 44 | 2 45 | 11 51 | 1 26 | 18 20 | 0 37 | 20 37 | 1 0 | 15 19 | 0 46 | 2 45 | 1 34 | 1 46 | 15 21 | 6 36 | 7 13 | 13 8 | 17 38 | 5 50 |
| W11 | 10 18 | 1s18 | 2 11 | 2 4 | 1 15 | 24 56 | 2 47 | 11 35 | 1 26 | 18 23 | 0 36 | 20 36 | 1 0 | 15 20 | 0 46 | 2 45 | 1 34 | 1 46 | 15 21 | 6 37 | 7 15 | 13 10 | 17 37 | 5 51 |
| T 12 | 10 39 | 5 6 | 3 7 | 1 51 | 1 29 | 25 7 | 2 49 | 11 19 | 1 27 | 18 27 | 0 36 | 20 36 | 1 0 | 15 20 | 0 46 | 2 46 | 1 34 | 1 45 | 15 21 | 6 39 | 7 16 | 13 11 | 17 36 | 5 51 |
| F 13 | 11 0 | 8 41 | 3 53 | 1 41 | 1 41 | 25 18 | 2 51 | 11 2 | 1 27 | 18 30 | 0 36 | 20 36 | 1 0 | 15 20 | 0 46 | 2 46 | 1 34 | 1 45 | 15 21 | 6 41 | 7 17 | 13 13 | 17 36 | 5 52 |
| S 14 | 11 21 | 11 53 | 4 30 | 1 33 | 1 53 | 25 28 | 2 53 | 10 46 | 1 28 | 18 33 | 0 36 | 20 35 | 1 0 | 15 20 | 0 45 | 2 47 | 1 34 | 1 44 | 15 21 | 6 44 | 7 18 | 13 14 | 17 35 | 5 53 |
| S 15 | 11 42 | 14 36 | 4 54 | 1 28 | 2 4 | 25 37 | 2 55 | 10 29 | 1 28 | 18 37 | 0 36 | 20 35 | 1 0 | 15 20 | 0 45 | 2 47 | 1 34 | 1 44 | 15 21 | 6 48 | 7 19 | 13 16 | 17 35 | 5 53 |
| M16 | 12 2 | 16 42 | 5 6 | 1 25 | 2 14 | 25 46 | 2 57 | 10 13 | 1 28 | 18 40 | 0 36 | 20 34 | 1 0 | 15 20 | 0 45 | 2 48 | 1 34 | 1 43 | 15 21 | 6 51 | 7 21 | 13 17 | 17 34 | 5 54 |
| T 17 | 12 22 | 18 6 | 5 4 | 1 25 | 2 24 | 25 54 | 2 59 | 9 56 | 1 29 | 18 43 | 0 36 | 20 34 | 1 0 | 15 20 | 0 45 | 2 48 | 1 34 | 1 43 | 15 21 | 6 54 | 7 22 | 13 19 | 17 34 | 5 54 |
| W18 | 12 42 | 18 43 | 4 49 | 1 28 | 2 32 | 26 2 | 3 1 | 9 39 | 1 29 | 18 47 | 0 36 | 20 33 | 1 0 | 15 20 | 0 45 | 2 49 | 1 34 | 1 43 | 15 21 | 6 57 | 7 23 | 13 20 | 17 33 | 5 55 |
| T 19 | 13 2 | 18 29 | 4 22 | 1 33 | 2 40 | 26 9 | 3 2 | 9 22 | 1 30 | 18 50 | 0 35 | 20 33 | 1 0 | 15 20 | 0 45 | 2 49 | 1 34 | 1 42 | 15 21 | 6 59 | 7 24 | 13 21 | 17 33 | 5 55 |
| F 20 | 13 21 | 17 22 | 3 41 | 1 40 | 2 46 | 26 15 | 3 4 | 9 5 | 1 30 | 18 53 | 0 35 | 20 32 | 1 0 | 15 20 | 0 45 | 2 50 | 1 34 | 1 42 | 15 21 | 6 59 | 7 26 | 13 23 | 17 32 | 5 56 |
| S 21 | 13 40 | 15 23 | 2 49 | 1 50 | 2 52 | 26 21 | 3 5 | 8 48 | 1 30 | 18 56 | 0 35 | 20 32 | 1 0 | 15 20 | 0 45 | 2 50 | 1 34 | 1 41 | 15 21 | 7 0 | 7 27 | 13 24 | 17 32 | 5 56 |
| S 22 | 14 0 | 12 35 | 1 47 | 2 1 | 2 58 | 26 26 | 3 6 | 8 31 | 1 31 | 19 0 | 0 35 | 20 31 | 1 0 | 15 20 | 0 45 | 2 51 | 1 34 | 1 41 | 15 21 | 6 59 | 7 28 | 13 26 | 17 31 | 5 57 |
| M23 | 14 18 | 9 3 | 0 38 | 2 15 | 3 2 | 26 30 | 3 7 | 8 14 | 1 31 | 19 3 | 0 35 | 20 31 | 1 0 | 15 20 | 0 45 | 2 51 | 1 34 | 1 40 | 15 21 | 6 59 | 7 29 | 13 27 | 17 31 | 5 57 |
| T 24 | 14 37 | 4 54 | 0s36 | 2 31 | 3 5 | 26 34 | 3 8 | 7 57 | 1 32 | 19 6 | 0 35 | 20 30 | 1 0 | 15 20 | 0 45 | 2 52 | 1 34 | 1 40 | 15 21 | 6 59 | 7 30 | 13 29 | 17 30 | 5 58 |
| W25 | 14 55 | 0 20 | 1 51 | 2 49 | 3 8 | 26 37 | 3 9 | 7 40 | 1 32 | 19 9 | 0 35 | 20 29 | 1 0 | 15 20 | 0 45 | 2 52 | 1 34 | 1 39 | 15 21 | 7 0 | 7 32 | 13 30 | 17 30 | 5 59 |
| T 26 | 15 14 | 4n23 | 2 59 | 3 9 | 3 10 | 26 40 | 3 10 | 7 22 | 1 32 | 19 13 | 0 35 | 20 29 | 1 0 | 15 20 | 0 45 | 2 52 | 1 34 | 1 39 | 15 21 | 7 1 | 7 33 | 13 32 | 17 29 | 5 59 |
| F 27 | 15 32 | 8 55 | 3 57 | 3 30 | 3 12 | 26 42 | 3 10 | 7 5 | 1 33 | 19 16 | 0 34 | 20 28 | 1 0 | 15 20 | 0 45 | 2 53 | 1 34 | 1 39 | 15 21 | 7 4 | 7 34 | 13 33 | 17 29 | 6 0 |
| S 28 | 15 49 | 12 56 | 4 39 | 3 54 | 3 12 | 26 43 | 3 11 | 6 48 | 1 33 | 19 19 | 0 34 | 20 27 | 1 0 | 15 20 | 0 45 | 2 53 | 1 34 | 1 38 | 15 21 | 7 7 | 7 35 | 13 34 | 17 29 | 6 0 |
| S 29 | 16 7 | 16 4 | 5 1 | 4 19 | 3 12 | 26 44 | 3 11 | 6 30 | 1 33 | 19 22 | 0 34 | 20 26 | 1 0 | 15 20 | 0 45 | 2 53 | 1 34 | 1 38 | 15 21 | 7 10 | 7 36 | 13 36 | 17 28 | 6 1 |
| M30 | 16n24 | 18n 4 | 5s 1 | 4n45 | 3s11 | 26n44 | 3n11 | 6s13 | 1s34 | 19n25 | 0s34 | 20n26 | 1n 0 | 15n20 | 0n45 | 2n54 | 1n34 | 1s37 | 15s21 | 7n14 | 7n38 | 13s37 | 17s28 | 6n 1 |

Julian Day Number = 2131323.5, Delta T = 16m31s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'02, Lahiri = 11°38'02 Julian Calendar 1 Apr. 1123 == Greg. Calendar 8 Apr. 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## MAY 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 58 21 | 15♉54'38 | 3♋37 | 20♈46 | 1♋13 | 18♓43 | 28♉59 | 3♌34 | 20♌50 | 26°R19 | 3♉49 | 11°R31 | 10♍33 | 22♏ 2 | 4°R26 | T 1 |
| W 2 | 15 2 17 | 16°52'19 | 17°58 | 22° 0 | 2°10 | 19°28 | 29°12 | 3°38 | 20°51 | 26♍18 | 3°50 | 11♍26 | 10°30 | 22° 9 | 4♐24 | W 2 |
| T 3 | 15 6 14 | 17°49'59 | 1♌50 | 23°16 | 3° 7 | 20°13 | 29°26 | 3°41 | 20°51 | 26°17 | 3°51 | 11°23 | 10°26 | 22°16 | 4°22 | T 3 |
| F 4 | 15 10 11 | 18°47'36 | 15°15 | 24°35 | 4° 3 | 20°58 | 29°40 | 3°45 | 20°52 | 26°16 | 3°53 | 11°D22 | 10°23 | 22°22 | 4°20 | F 4 |
| S 5 | 15 14 7 | 19°45'12 | 28°14 | 25°56 | 4°58 | 21°43 | 29°54 | 3°49 | 20°53 | 26°15 | 3°54 | 11°22 | 10°20 | 22°29 | 4°18 | S 5 |
| S 6 | 15 18 4 | 20°42'47 | 10♍53 | 27°20 | 5°53 | 22°28 | 0♊ 8 | 3°52 | 20°53 | 26°15 | 3°55 | 11°R22 | 10°17 | 22°36 | 4°15 | S 6 |
| M 7 | 15 22 0 | 21°40'20 | 23°14 | 28°46 | 6°48 | 23°13 | 0°21 | 3°56 | 20°54 | 26°14 | 3°57 | 11°22 | 10°14 | 22°43 | 4°13 | M 7 |
| T 8 | 15 25 57 | 22°37'52 | 5♎24 | 0♉15 | 7°42 | 23°58 | 0°35 | 4° 0 | 20°55 | 26°13 | 3°58 | 11°19 | 10°10 | 22°49 | 4°11 | T 8 |
| W 9 | 15 29 53 | 23°35'22 | 17°25 | 1°47 | 8°35 | 24°43 | 0°49 | 4° 4 | 20°56 | 26°12 | 3°59 | 11°14 | 10° 7 | 22°56 | 4° 8 | W 9 |
| T 10 | 15 33 50 | 24°32'51 | 29°20 | 3°20 | 9°28 | 25°28 | 1° 3 | 4° 8 | 20°57 | 26°12 | 4° 1 | 11° 7 | 10° 4 | 23° 3 | 4° 6 | T 10 |
| F 11 | 15 37 46 | 25°30'19 | 11♏13 | 4°57 | 10°20 | 26°13 | 1°17 | 4°13 | 20°58 | 26°11 | 4° 2 | 10°56 | 10° 1 | 23° 9 | 4° 3 | F 11 |
| S 12 | 15 41 43 | 26°27'45 | 23° 5 | 6°35 | 11°11 | 26°57 | 1°31 | 4°17 | 20°59 | 26°10 | 4° 3 | 10°44 | 9°58 | 23°16 | 4° 1 | S 12 |
| S 13 | 15 45 40 | 27°25'11 | 4♐58 | 8°17 | 12° 2 | 27°42 | 1°45 | 4°21 | 21° 0 | 26°10 | 4° 4 | 10°31 | 9°55 | 23°23 | 3°58 | S 13 |
| M14 | 15 49 36 | 28°22'36 | 16°53 | 10° 0 | 12°52 | 28°27 | 1°59 | 4°26 | 21° 1 | 26° 9 | 4° 6 | 10°17 | 9°51 | 23°30 | 3°55 | M14 |
| T 15 | 15 53 33 | 29°20'00 | 28°52 | 11°46 | 13°41 | 29°11 | 2°12 | 4°30 | 21° 2 | 26° 9 | 4° 7 | 10° 5 | 9°48 | 23°36 | 3°52 | T 15 |
| W16 | 15 57 29 | 0♊17'23 | 10♑56 | 13°35 | 14°30 | 29°56 | 2°26 | 4°35 | 21° 3 | 26° 8 | 4° 8 | 9°55 | 9°45 | 23°43 | 3°49 | W16 |
| T 17 | 16 1 26 | 1°14'45 | 23° 8 | 15°25 | 15°17 | 0♈40 | 2°40 | 4°40 | 21° 4 | 26° 8 | 4° 9 | 9°48 | 9°42 | 23°50 | 3°47 | T 17 |
| F 18 | 16 5 22 | 2°12'07 | 5♒31 | 17°18 | 16° 4 | 1°25 | 2°54 | 4°44 | 21° 6 | 26° 7 | 4°11 | 9°43 | 9°39 | 23°57 | 3°44 | F 18 |
| S 19 | 16 9 19 | 3° 9'28 | 18° 8 | 19°14 | 16°50 | 2° 9 | 3° 8 | 4°49 | 21° 7 | 26° 7 | 4°12 | 9°41 | 9°36 | 24° 3 | 3°41 | S 19 |
| S 20 | 16 13 15 | 4° 6'48 | 1♓ 3 | 21°11 | 17°36 | 2°53 | 3°22 | 4°54 | 21° 9 | 26° 6 | 4°13 | 9°40 | 9°32 | 24°10 | 3°37 | S 20 |
| M21 | 16 17 12 | 5° 4'08 | 14°20 | 23°11 | 18°20 | 3°37 | 3°36 | 4°59 | 21°10 | 26° 6 | 4°14 | 9°40 | 9°29 | 24°17 | 3°34 | M21 |
| T 22 | 16 21 9 | 6° 1'27 | 28° 2 | 25°13 | 19° 3 | 4°22 | 3°50 | 5° 4 | 21°12 | 26° 6 | 4°15 | 9°40 | 9°26 | 24°23 | 3°31 | T 22 |
| W23 | 16 25 5 | 6°58'46 | 12♈11 | 27°16 | 19°46 | 5° 6 | 4° 4 | 5° 9 | 21°13 | 26° 5 | 4°17 | 9°37 | 9°23 | 24°30 | 3°28 | W23 |
| T 24 | 16 29 2 | 7°56'04 | 26°46 | 29°22 | 20°27 | 5°50 | 4°17 | 5°14 | 21°15 | 26° 5 | 4°18 | 9°32 | 9°20 | 24°37 | 3°25 | T 24 |
| F 25 | 16 32 58 | 8°53'22 | 11♉43 | 1♊29 | 21° 8 | 6°34 | 4°31 | 5°20 | 21°16 | 26° 5 | 4°19 | 9°25 | 9°16 | 24°44 | 3°21 | F 25 |
| S 26 | 16 36 55 | 9°50'40 | 26°55 | 3°37 | 21°47 | 7°18 | 4°45 | 5°25 | 21°18 | 26° 5 | 4°20 | 9°15 | 9°13 | 24°50 | 3°18 | S 26 |
| S 27 | 16 40 51 | 10°47'57 | 12♊11 | 5°47 | 22°25 | 8° 2 | 4°59 | 5°31 | 21°20 | 26° 4 | 4°21 | 9° 4 | 9°10 | 24°57 | 3°15 | S 27 |
| M28 | 16 44 48 | 11°45'13 | 27°21 | 7°58 | 23° 2 | 8°46 | 5°13 | 5°36 | 21°22 | 26° 4 | 4°22 | 8°54 | 9° 7 | 25° 4 | 3°11 | M28 |
| T 29 | 16 48 44 | 12°42'29 | 12♋14 | 10° 9 | 23°38 | 9°29 | 5°27 | 5°42 | 21°23 | 26° 4 | 4°23 | 8°44 | 9° 4 | 25°10 | 3° 8 | T 29 |
| W30 | 16 52 41 | 13°39'44 | 26°43 | 12°20 | 24°13 | 10°13 | 5°41 | 5°47 | 21°25 | 26° 4 | 4°25 | 8°37 | 9° 1 | 25°17 | 3° 4 | W30 |
| T 31 | 16 56 38 | 14♊36'59 | 10♌42 | 14♊32 | 24♋46 | 10♈57 | 5♊54 | 5♌53 | 21♌27 | 26♍ 4 | 4♉26 | 8♍33 | 8♍57 | 25♏24 | 3♐ 1 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n41 | 18n48 | 4s42 | 5n13 | 3s10 | 26n44 | 3n11 | 5s55 | 1s34 | 19n28 | 0s34 | 20n25 | 1n 0 | 15n19 | 0n45 | 2n54 | 1n34 | 1s37 | 15s21 | 7n17 | 7n39 | 13s39 | 17s27 | 6n 2 |
| W 2 | 16 57 | 18 18 | 4 5 | 5 42 | 3 7 | 26 43 | 3 11 | 5 38 | 1 34 | 19 31 | 0 34 | 20 24 | 1 0 | 15 19 | 0 45 | 2 55 | 1 34 | 1 37 | 15 21 | 7 19 | 7 40 | 13 40 | 17 27 | 6 2 |
| T 3 | 17 14 | 16 41 | 3 14 | 6 13 | 3 5 | 26 42 | 3 11 | 5 20 | 1 35 | 19 34 | 0 34 | 20 23 | 1 0 | 15 19 | 0 45 | 2 55 | 1 34 | 1 36 | 15 21 | 7 20 | 7 41 | 13 41 | 17 26 | 6 2 |
| F 4 | 17 30 | 14 12 | 2 14 | 6 45 | 3 1 | 26 40 | 3 10 | 5 3 | 1 35 | 19 38 | 0 34 | 20 22 | 1 0 | 15 19 | 0 45 | 2 55 | 1 34 | 1 36 | 15 21 | 7 20 | 7 42 | 13 43 | 17 26 | 6 3 |
| S 5 | 17 45 | 11 3 | 1 9 | 7 19 | 2 57 | 26 37 | 3 10 | 4 45 | 1 35 | 19 41 | 0 34 | 20 21 | 1 0 | 15 18 | 0 45 | 2 55 | 1 34 | 1 35 | 15 21 | 7 20 | 7 44 | 13 44 | 17 26 | 6 3 |
| S 6 | 18 1 | 7 29 | 0 3 | 7 53 | 2 53 | 26 34 | 3 9 | 4 28 | 1 35 | 19 44 | 0 33 | 20 21 | 1 0 | 15 18 | 0 45 | 2 56 | 1 34 | 1 35 | 15 21 | 7 20 | 7 45 | 13 46 | 17 25 | 6 4 |
| M 7 | 18 16 | 3 39 | 1n 3 | 8 29 | 2 47 | 26 30 | 3 8 | 4 10 | 1 36 | 19 47 | 0 33 | 20 20 | 1 0 | 15 18 | 0 45 | 2 56 | 1 34 | 1 35 | 15 21 | 7 20 | 7 46 | 13 47 | 17 25 | 6 4 |
| T 8 | 18 31 | 0s15 | 2 4 | 9 6 | 2 42 | 26 26 | 3 7 | 3 52 | 1 36 | 19 50 | 0 33 | 20 19 | 1 0 | 15 18 | 0 45 | 2 56 | 1 33 | 1 34 | 15 21 | 7 21 | 7 47 | 13 49 | 17 24 | 6 5 |
| W 9 | 18 45 | 4 7 | 2 59 | 9 43 | 2 35 | 26 22 | 3 6 | 3 35 | 1 36 | 19 53 | 0 33 | 20 18 | 1 0 | 15 17 | 0 45 | 2 57 | 1 33 | 1 34 | 15 21 | 7 23 | 7 48 | 13 50 | 17 24 | 6 5 |
| T 10 | 19 0 | 7 47 | 3 45 | 10 22 | 2 28 | 26 16 | 3 4 | 3 17 | 1 36 | 19 56 | 0 33 | 20 17 | 1 0 | 15 17 | 0 45 | 2 57 | 1 33 | 1 34 | 15 21 | 7 26 | 7 50 | 13 51 | 17 24 | 6 6 |
| F 11 | 19 14 | 11 7 | 4 22 | 11 1 | 2 21 | 26 11 | 3 2 | 2 59 | 1 37 | 19 59 | 0 33 | 20 16 | 1 0 | 15 17 | 0 44 | 2 57 | 1 33 | 1 33 | 15 21 | 7 30 | 7 51 | 13 53 | 17 23 | 6 6 |
| S 12 | 19 27 | 14 0 | 4 47 | 11 41 | 2 13 | 26 5 | 3 1 | 2 42 | 1 37 | 20 1 | 0 33 | 20 15 | 1 0 | 15 16 | 0 44 | 2 57 | 1 33 | 1 33 | 15 22 | 7 35 | 7 52 | 13 54 | 17 23 | 6 7 |
| S 13 | 19 41 | 16 19 | 4 59 | 12 21 | 2 5 | 25 58 | 2 59 | 2 24 | 1 37 | 20 4 | 0 33 | 20 14 | 1 0 | 15 16 | 0 44 | 2 57 | 1 33 | 1 33 | 15 22 | 7 40 | 7 53 | 13 56 | 17 23 | 6 7 |
| M14 | 19 53 | 17 57 | 4 58 | 13 3 | 1 56 | 25 51 | 2 56 | 2 6 | 1 37 | 20 7 | 0 33 | 20 12 | 1 0 | 15 16 | 0 44 | 2 58 | 1 33 | 1 32 | 15 22 | 7 45 | 7 55 | 13 57 | 17 22 | 6 7 |
| T 15 | 20 6 | 18 48 | 4 45 | 13 44 | 1 47 | 25 43 | 2 54 | 1 49 | 1 37 | 20 10 | 0 33 | 20 11 | 1 0 | 15 15 | 0 44 | 2 58 | 1 33 | 1 32 | 15 22 | 7 49 | 7 56 | 13 58 | 17 22 | 6 8 |
| W16 | 20 18 | 18 49 | 4 18 | 14 26 | 1 38 | 25 36 | 2 51 | 1 31 | 1 37 | 20 13 | 0 32 | 20 10 | 1 0 | 15 15 | 0 44 | 2 58 | 1 33 | 1 32 | 15 22 | 7 53 | 7 57 | 14 0 | 17 22 | 6 8 |
| T 17 | 20 30 | 17 57 | 3 40 | 15 8 | 1 28 | 25 27 | 2 48 | 1 13 | 1 38 | 20 16 | 0 32 | 20 9 | 1 0 | 15 14 | 0 44 | 2 58 | 1 33 | 1 32 | 15 22 | 7 56 | 7 58 | 14 1 | 17 21 | 6 9 |
| F 18 | 20 42 | 16 14 | 2 50 | 15 50 | 1 18 | 25 18 | 2 45 | 0 56 | 1 38 | 20 19 | 0 32 | 20 8 | 1 0 | 15 14 | 0 44 | 2 58 | 1 33 | 1 31 | 15 22 | 7 58 | 7 59 | 14 3 | 17 21 | 6 9 |
| S 19 | 20 53 | 13 42 | 1 51 | 16 32 | 1 7 | 25 9 | 2 42 | 0 38 | 1 38 | 20 21 | 0 32 | 20 7 | 1 0 | 15 13 | 0 44 | 2 58 | 1 33 | 1 31 | 15 22 | 7 58 | 8 1 | 14 4 | 17 21 | 6 9 |
| S 20 | 21 4 | 10 26 | 0 45 | 17 14 | 0 57 | 25 0 | 2 38 | 0 21 | 1 38 | 20 24 | 0 32 | 20 6 | 1 0 | 15 13 | 0 44 | 2 59 | 1 33 | 1 31 | 15 22 | 7 59 | 8 2 | 14 5 | 17 21 | 6 10 |
| M21 | 21 15 | 6 34 | 0s25 | 17 55 | 0 46 | 24 50 | 2 34 | 0 3 | 1 38 | 20 27 | 0 32 | 20 4 | 1 0 | 15 12 | 0 44 | 2 59 | 1 33 | 1 31 | 15 23 | 7 59 | 8 3 | 14 7 | 17 20 | 6 10 |
| T 22 | 21 25 | 2 15 | 1 35 | 18 35 | 0 35 | 24 40 | 2 30 | 0n14 | 1 38 | 20 29 | 0 32 | 20 3 | 1 0 | 15 12 | 0 44 | 2 59 | 1 33 | 1 30 | 15 23 | 7 59 | 8 4 | 14 8 | 17 20 | 6 10 |
| W23 | 21 35 | 2n21 | 2 43 | 19 15 | 0 24 | 24 29 | 2 26 | 0 32 | 1 38 | 20 32 | 0 32 | 20 2 | 1 0 | 15 11 | 0 44 | 2 59 | 1 33 | 1 30 | 15 23 | 8 0 | 8 5 | 14 9 | 17 20 | 6 11 |
| T 24 | 21 44 | 6 55 | 3 41 | 19 54 | 0 13 | 24 19 | 2 21 | 0 49 | 1 38 | 20 35 | 0 32 | 20 1 | 1 0 | 15 11 | 0 44 | 2 59 | 1 33 | 1 30 | 15 23 | 8 2 | 8 7 | 14 11 | 17 20 | 6 11 |
| F 25 | 21 53 | 11 12 | 4 26 | 20 31 | 0 2 | 24 8 | 2 16 | 1 7 | 1 39 | 20 37 | 0 32 | 19 59 | 1 0 | 15 10 | 0 44 | 2 59 | 1 33 | 1 30 | 15 23 | 8 5 | 8 8 | 14 12 | 17 19 | 6 11 |
| S 26 | 22 2 | 14 48 | 4 54 | 21 7 | 0n 9 | 23 56 | 2 11 | 1 24 | 1 39 | 20 40 | 0 32 | 19 58 | 1 0 | 15 10 | 0 44 | 2 59 | 1 33 | 1 29 | 15 23 | 8 8 | 8 9 | 14 14 | 17 19 | 6 12 |
| S 27 | 22 10 | 17 24 | 5 0 | 21 41 | 0 19 | 23 45 | 2 6 | 1 41 | 1 39 | 20 43 | 0 31 | 19 57 | 1 0 | 15 9 | 0 44 | 2 59 | 1 33 | 1 29 | 15 24 | 8 12 | 8 10 | 14 15 | 17 19 | 6 12 |
| M28 | 22 18 | 18 46 | 4 45 | 22 13 | 0 30 | 23 33 | 2 0 | 1 59 | 1 39 | 20 45 | 0 31 | 19 55 | 1 0 | 15 8 | 0 44 | 2 59 | 1 33 | 1 29 | 15 24 | 8 16 | 8 11 | 14 16 | 17 19 | 6 12 |
| T 29 | 22 26 | 18 49 | 4 11 | 22 43 | 0 39 | 23 21 | 1 54 | 2 16 | 1 39 | 20 48 | 0 31 | 19 54 | 1 0 | 15 8 | 0 44 | 2 59 | 1 33 | 1 29 | 15 24 | 8 20 | 8 13 | 14 18 | 17 18 | 6 12 |
| W30 | 22 33 | 17 37 | 3 22 | 23 11 | 0 49 | 23 8 | 1 48 | 2 33 | 1 39 | 20 50 | 0 31 | 19 52 | 1 0 | 15 7 | 0 44 | 2 59 | 1 33 | 1 29 | 15 24 | 8 22 | 8 14 | 14 19 | 17 18 | 6 13 |
| T 31 | 22n40 | 15n22 | 2s21 | 23n37 | 0n58 | 22n56 | 1n41 | 2n50 | 1s39 | 20n53 | 0s31 | 19n51 | 1n 0 | 15n 6 | 0n44 | 2n59 | 1n33 | 1s28 | 15s24 | 8n24 | 8n15 | 14s20 | 17s18 | 6n13 |

Julian Day Number = 2131353.5, Delta T = 16m31s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'06, Lahiri = 11°38'06 Julian Calendar 1 May 1123 == Greg. Calendar 8 May 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## JUNE 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 0 34 | 15♊34'12 | 24♌13 | 16♊44 | 25♋18 | 11♈40 | 6♊ 8 | 5♌59 | 21♌29 | 26°D 4 | 4♉27 | 8°R31 | 8♍54 | 25♏31 | 2°R57 | F 1 |
| S 2 | 17 4 31 | 16°31'25 | 7♍16 | 18°55 | 25°48 | 12°23 | 6°22 | 6° 4 | 21°31 | 26♍ 4 | 4°28 | 8°D31 | 8°51 | 25°37 | 2♐54 | S 2 |
| S 3 | 17 8 27 | 17°28'37 | 19°55 | 21° 5 | 26°17 | 13° 7 | 6°36 | 6°10 | 21°33 | 26° 4 | 4°29 | 8°R31 | 8°48 | 25°44 | 2°50 | S 3 |
| M 4 | 17 12 24 | 18°25'49 | 2♎16 | 23°14 | 26°45 | 13°50 | 6°49 | 6°16 | 21°36 | 26° 4 | 4°30 | 8♍30 | 8°45 | 25°51 | 2°46 | M 4 |
| T 5 | 17 16 20 | 19°23'00 | 14°22 | 25°23 | 27°11 | 14°33 | 7° 3 | 6°22 | 21°38 | 26° 4 | 4°31 | 8°28 | 8°42 | 25°57 | 2°43 | T 5 |
| W 6 | 17 20 17 | 20°20'10 | 26°20 | 27°30 | 27°35 | 15°17 | 7°17 | 6°28 | 21°40 | 26° 4 | 4°32 | 8°23 | 8°38 | 26° 4 | 2°39 | W 6 |
| T 7 | 17 24 13 | 21°17'20 | 8♏13 | 29°35 | 27°57 | 16° 0 | 7°30 | 6°34 | 21°42 | 26° 4 | 4°33 | 8°16 | 8°35 | 26°11 | 2°35 | T 7 |
| F 8 | 17 28 10 | 22°14'30 | 20° 4 | 1♋39 | 28°18 | 16°43 | 7°44 | 6°40 | 21°44 | 26° 5 | 4°34 | 8° 6 | 8°32 | 26°18 | 2°32 | F 8 |
| S 9 | 17 32 7 | 23°11'39 | 1♐56 | 3°42 | 28°37 | 17°25 | 7°58 | 6°47 | 21°47 | 26° 5 | 4°35 | 7°54 | 8°29 | 26°24 | 2°28 | S 9 |
| S 10 | 17 36 3 | 24° 8'48 | 13°52 | 5°42 | 28°54 | 18° 8 | 8°11 | 6°53 | 21°49 | 26° 5 | 4°36 | 7°41 | 8°26 | 26°31 | 2°24 | S 10 |
| M11 | 17 40 0 | 25° 5'57 | 25°53 | 7°41 | 29° 9 | 18°51 | 8°25 | 6°59 | 21°52 | 26° 5 | 4°37 | 7°29 | 8°22 | 26°38 | 2°20 | M11 |
| T 12 | 17 43 56 | 26° 3'06 | 8♑ 0 | 9°37 | 29°22 | 19°34 | 8°38 | 7° 6 | 21°54 | 26° 6 | 4°38 | 7°17 | 8°19 | 26°45 | 2°17 | T 12 |
| W13 | 17 47 53 | 27° 0'14 | 20°14 | 11°32 | 29°33 | 20°16 | 8°52 | 7°12 | 21°56 | 26° 6 | 4°39 | 7° 7 | 8°16 | 26°51 | 2°13 | W13 |
| T 14 | 17 51 49 | 27°57'23 | 2♒37 | 13°24 | 29°42 | 20°59 | 9° 5 | 7°18 | 21°59 | 26° 7 | 4°39 | 7° 0 | 8°13 | 26°58 | 2° 9 | T 14 |
| F 15 | 17 55 46 | 28°54'32 | 15°10 | 15°15 | 29°49 | 21°41 | 9°19 | 7°25 | 22° 2 | 26° 7 | 4°40 | 6°56 | 8°10 | 27° 5 | 2° 5 | F 15 |
| S 16 | 17 59 42 | 29°51'41 | 27°56 | 17° 4 | 29°53 | 22°24 | 9°32 | 7°32 | 22° 4 | 26° 7 | 4°41 | 6°54 | 8° 7 | 27°11 | 2° 1 | S 16 |
| S 17 | 18 3 39 | 0♋48'51 | 10♓56 | 18°50 | 29°56 | 23° 6 | 9°46 | 7°38 | 22° 7 | 26° 8 | 4°42 | 6°D53 | 8° 3 | 27°18 | 1°58 | S 17 |
| M18 | 18 7 36 | 1°46'00 | 24°14 | 20°35 | 29°R56 | 23°48 | 9°59 | 7°45 | 22° 9 | 26° 8 | 4°43 | 6°54 | 8° 0 | 27°25 | 1°54 | M18 |
| T 19 | 18 11 32 | 2°43'10 | 7♈52 | 22°17 | 29°53 | 24°30 | 10°12 | 7°52 | 22°12 | 26° 9 | 4°44 | 6°R54 | 7°57 | 27°32 | 1°50 | T 19 |
| W20 | 18 15 29 | 3°40'21 | 21°52 | 23°58 | 29°49 | 25°12 | 10°26 | 7°58 | 22°15 | 26°10 | 4°44 | 6°53 | 7°54 | 27°38 | 1°46 | W20 |
| T 21 | 18 19 25 | 4°37'32 | 6♉13 | 25°36 | 29°42 | 25°54 | 10°39 | 8° 5 | 22°18 | 26°10 | 4°45 | 6°49 | 7°51 | 27°45 | 1°42 | T 21 |
| F 22 | 18 23 22 | 5°34'44 | 20°54 | 27°12 | 29°32 | 26°36 | 10°52 | 8°12 | 22°21 | 26°11 | 4°46 | 6°44 | 7°48 | 27°52 | 1°39 | F 22 |
| S 23 | 18 27 18 | 6°31'56 | 5♊49 | 28°47 | 29°21 | 27°17 | 11° 5 | 8°19 | 22°23 | 26°12 | 4°47 | 6°36 | 7°44 | 27°58 | 1°35 | S 23 |
| S 24 | 18 31 15 | 7°29'09 | 20°50 | 0♌19 | 29° 6 | 27°59 | 11°18 | 8°26 | 22°26 | 26°12 | 4°47 | 6°27 | 7°41 | 28° 5 | 1°31 | S 24 |
| M25 | 18 35 11 | 8°26'22 | 5♋48 | 1°49 | 28°50 | 28°40 | 11°31 | 8°33 | 22°29 | 26°13 | 4°48 | 6°19 | 7°38 | 28°12 | 1°27 | M25 |
| T 26 | 18 39 8 | 9°23'36 | 20°33 | 3°17 | 28°31 | 29°22 | 11°44 | 8°40 | 22°32 | 26°14 | 4°49 | 6°11 | 7°35 | 28°19 | 1°24 | T 26 |
| W27 | 18 43 5 | 10°20'50 | 4♌59 | 4°43 | 28°10 | 0♉ 3 | 11°57 | 8°47 | 22°35 | 26°15 | 4°49 | 6° 5 | 7°32 | 28°25 | 1°20 | W27 |
| T 28 | 18 47 1 | 11°18'04 | 18°59 | 6° 7 | 27°47 | 0°44 | 12°10 | 8°54 | 22°38 | 26°15 | 4°50 | 6° 2 | 7°28 | 28°32 | 1°16 | T 28 |
| F 29 | 18 50 58 | 12°15'18 | 2♍32 | 7°29 | 27°22 | 1°25 | 12°23 | 9° 1 | 22°41 | 26°16 | 4°51 | 6°D 1 | 7°25 | 28°39 | 1°12 | F 29 |
| S 30 | 18 54 54 | 13♋12'32 | 15♍38 | 8♌48 | 26♋55 | 2♉ 6 | 12♊36 | 9♌ 8 | 22♌44 | 26♍17 | 4♉51 | 6♍ 1 | 7♍22 | 28♏46 | 1♐ 9 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n46 | 12n20 | 1s15 | 23n59 | 1n 6 | 22n44 | 1n35 | 3n 7 | 1s39 | 20n55 | 0s31 | 19n50 | 1n 0 | 15n 6 | 0n44 | 2n59 | 1n32 | 1s28 | 15s24 | 8n25 | 8n16 | 14s22 | 17s18 | 6n13 |
| S 2 | 22 52 | 8 47 | 0 7 | 24 19 | 1 14 | 22 31 | 1 27 | 3 24 | 1 39 | 20 58 | 0 31 | 19 48 | 1 0 | 15 5 | 0 44 | 2 59 | 1 32 | 1 28 | 15 25 | 8 25 | 8 17 | 14 23 | 17 18 | 6 14 |
| S 3 | 22 57 | 4 56 | 1n 0 | 24 36 | 1 22 | 22 18 | 1 20 | 3 41 | 1 39 | 21 0 | 0 31 | 19 47 | 1 0 | 15 4 | 0 44 | 2 59 | 1 32 | 1 28 | 15 25 | 8 25 | 8 19 | 14 25 | 17 18 | 6 14 |
| M 4 | 23 3 | 0 58 | 2 2 | 24 51 | 1 28 | 22 5 | 1 12 | 3 58 | 1 39 | 21 3 | 0 31 | 19 45 | 1 0 | 15 4 | 0 44 | 2 59 | 1 32 | 1 28 | 15 25 | 8 25 | 8 20 | 14 26 | 17 17 | 6 14 |
| T 5 | 23 7 | 2s58 | 2 58 | 25 2 | 1 34 | 21 52 | 1 4 | 4 15 | 1 39 | 21 5 | 0 31 | 19 44 | 1 0 | 15 3 | 0 44 | 2 59 | 1 32 | 1 28 | 15 25 | 8 26 | 8 21 | 14 27 | 17 17 | 6 14 |
| W 6 | 23 12 | 6 43 | 3 44 | 25 11 | 1 39 | 21 39 | 0 56 | 4 32 | 1 39 | 21 7 | 0 31 | 19 42 | 1 0 | 15 2 | 0 44 | 2 59 | 1 32 | 1 27 | 15 25 | 8 28 | 8 22 | 14 29 | 17 17 | 6 14 |
| T 7 | 23 16 | 10 11 | 4 21 | 25 17 | 1 44 | 21 26 | 0 47 | 4 48 | 1 39 | 21 10 | 0 31 | 19 41 | 1 0 | 15 1 | 0 44 | 2 59 | 1 32 | 1 27 | 15 26 | 8 31 | 8 23 | 14 30 | 17 17 | 6 15 |
| F 8 | 23 19 | 13 14 | 4 46 | 25 20 | 1 48 | 21 13 | 0 38 | 5 5 | 1 38 | 21 12 | 0 31 | 19 39 | 1 0 | 15 1 | 0 43 | 2 58 | 1 32 | 1 27 | 15 26 | 8 34 | 8 24 | 14 31 | 17 17 | 6 15 |
| S 9 | 23 22 | 15 45 | 4 59 | 25 21 | 1 51 | 21 0 | 0 28 | 5 21 | 1 38 | 21 14 | 0 30 | 19 38 | 1 0 | 15 0 | 0 43 | 2 58 | 1 32 | 1 27 | 15 26 | 8 39 | 8 26 | 14 33 | 17 17 | 6 15 |
| S 10 | 23 25 | 17 37 | 4 59 | 25 19 | 1 53 | 20 47 | 0 19 | 5 38 | 1 38 | 21 16 | 0 30 | 19 36 | 1 0 | 14 59 | 0 43 | 2 58 | 1 32 | 1 27 | 15 26 | 8 43 | 8 27 | 14 34 | 17 17 | 6 15 |
| M11 | 23 28 | 18 44 | 4 46 | 25 14 | 1 55 | 20 34 | 0 8 | 5 54 | 1 38 | 21 19 | 0 30 | 19 34 | 1 0 | 14 58 | 0 43 | 2 58 | 1 32 | 1 27 | 15 26 | 8 48 | 8 28 | 14 35 | 17 17 | 6 15 |
| T 12 | 23 29 | 19 0 | 4 19 | 25 7 | 1 56 | 20 21 | 0s 2 | 6 11 | 1 38 | 21 21 | 0 30 | 19 33 | 1 0 | 14 57 | 0 43 | 2 58 | 1 32 | 1 27 | 15 27 | 8 53 | 8 29 | 14 37 | 17 16 | 6 15 |
| W13 | 23 31 | 18 23 | 3 41 | 24 58 | 1 56 | 20 8 | 0 13 | 6 27 | 1 38 | 21 23 | 0 30 | 19 31 | 1 0 | 14 57 | 0 43 | 2 58 | 1 32 | 1 27 | 15 27 | 8 56 | 8 30 | 14 38 | 17 16 | 6 16 |
| T 14 | 23 32 | 16 53 | 2 51 | 24 47 | 1 55 | 19 55 | 0 24 | 6 43 | 1 38 | 21 25 | 0 30 | 19 30 | 1 0 | 14 56 | 0 43 | 2 57 | 1 32 | 1 27 | 15 27 | 8 59 | 8 32 | 14 39 | 17 16 | 6 16 |
| F 15 | 23 33 | 14 34 | 1 53 | 24 34 | 1 54 | 19 42 | 0 36 | 6 59 | 1 38 | 21 27 | 0 30 | 19 28 | 1 0 | 14 55 | 0 43 | 2 57 | 1 32 | 1 27 | 15 27 | 9 0 | 8 33 | 14 41 | 17 16 | 6 16 |
| S 16 | 23 33 | 11 30 | 0 48 | 24 19 | 1 52 | 19 30 | 0 47 | 7 15 | 1 38 | 21 29 | 0 30 | 19 26 | 1 0 | 14 54 | 0 43 | 2 57 | 1 32 | 1 27 | 15 28 | 9 1 | 8 34 | 14 42 | 17 16 | 6 16 |
| S 17 | 23 33 | 7 50 | 0s22 | 24 2 | 1 50 | 19 17 | 1 0 | 7 31 | 1 37 | 21 31 | 0 30 | 19 25 | 1 0 | 14 53 | 0 43 | 2 57 | 1 32 | 1 27 | 15 28 | 9 1 | 8 35 | 14 43 | 17 16 | 6 16 |
| M18 | 23 32 | 3 42 | 1 31 | 23 43 | 1 47 | 19 5 | 1 12 | 7 46 | 1 37 | 21 33 | 0 30 | 19 23 | 1 0 | 14 52 | 0 43 | 2 57 | 1 32 | 1 27 | 15 28 | 9 1 | 8 36 | 14 45 | 17 16 | 6 16 |
| T 19 | 23 31 | 0n44 | 2 37 | 23 24 | 1 43 | 18 53 | 1 25 | 8 2 | 1 37 | 21 35 | 0 30 | 19 21 | 1 0 | 14 51 | 0 43 | 2 56 | 1 32 | 1 27 | 15 28 | 9 1 | 8 38 | 14 46 | 17 16 | 6 16 |
| W20 | 23 30 | 5 13 | 3 36 | 23 2 | 1 39 | 18 41 | 1 38 | 8 18 | 1 37 | 21 37 | 0 30 | 19 19 | 1 0 | 14 50 | 0 43 | 2 56 | 1 32 | 1 26 | 15 28 | 9 2 | 8 39 | 14 47 | 17 16 | 6 16 |
| T 21 | 23 28 | 9 32 | 4 22 | 22 40 | 1 34 | 18 30 | 1 51 | 8 33 | 1 37 | 21 39 | 0 30 | 19 18 | 1 0 | 14 49 | 0 43 | 2 56 | 1 32 | 1 26 | 15 29 | 9 3 | 8 40 | 14 49 | 17 16 | 6 16 |
| F 22 | 23 26 | 13 21 | 4 53 | 22 16 | 1 29 | 18 19 | 2 5 | 8 48 | 1 36 | 21 41 | 0 30 | 19 16 | 1 0 | 14 48 | 0 43 | 2 55 | 1 32 | 1 26 | 15 29 | 9 5 | 8 41 | 14 50 | 17 16 | 6 16 |
| S 23 | 23 23 | 16 23 | 5 4 | 21 51 | 1 23 | 18 8 | 2 18 | 9 4 | 1 36 | 21 43 | 0 30 | 19 14 | 1 0 | 14 48 | 0 43 | 2 55 | 1 32 | 1 26 | 15 29 | 9 8 | 8 42 | 14 51 | 17 16 | 6 16 |
| S 24 | 23 20 | 18 20 | 4 55 | 21 26 | 1 17 | 17 57 | 2 32 | 9 19 | 1 36 | 21 45 | 0 29 | 19 12 | 1 0 | 14 47 | 0 43 | 2 55 | 1 31 | 1 26 | 15 29 | 9 11 | 8 44 | 14 53 | 17 16 | 6 16 |
| M25 | 23 17 | 19 0 | 4 25 | 20 59 | 1 10 | 17 47 | 2 46 | 9 34 | 1 36 | 21 47 | 0 29 | 19 11 | 1 0 | 14 46 | 0 43 | 2 54 | 1 31 | 1 27 | 15 30 | 9 14 | 8 45 | 14 54 | 17 16 | 6 16 |
| T 26 | 23 13 | 18 22 | 3 38 | 20 32 | 1 3 | 17 37 | 3 0 | 9 49 | 1 35 | 21 49 | 0 29 | 19 9 | 1 0 | 14 45 | 0 43 | 2 54 | 1 31 | 1 27 | 15 30 | 9 17 | 8 46 | 14 55 | 17 16 | 6 16 |
| W27 | 23 9 | 16 33 | 2 38 | 20 4 | 0 55 | 17 27 | 3 14 | 10 4 | 1 35 | 21 51 | 0 29 | 19 7 | 1 0 | 14 44 | 0 43 | 2 54 | 1 31 | 1 27 | 15 30 | 9 19 | 8 47 | 14 57 | 17 16 | 6 16 |
| T 28 | 23 4 | 13 47 | 1 30 | 19 35 | 0 47 | 17 18 | 3 29 | 10 18 | 1 35 | 21 52 | 0 29 | 19 5 | 1 0 | 14 43 | 0 43 | 2 53 | 1 31 | 1 27 | 15 31 | 9 20 | 8 48 | 14 58 | 17 16 | 6 16 |
| F 29 | 22 59 | 10 20 | 0 19 | 19 6 | 0 39 | 17 9 | 3 43 | 10 33 | 1 34 | 21 54 | 0 29 | 19 3 | 1 0 | 14 42 | 0 43 | 2 53 | 1 31 | 1 27 | 15 31 | 9 21 | 8 49 | 14 59 | 17 16 | 6 16 |
| S 30 | 22n53 | 6n29 | 0n52 | 18n37 | 0n30 | 17n 0 | 3s57 | 10n47 | 1s34 | 21n56 | 0s29 | 19n 1 | 1n 0 | 14n41 | 0n43 | 2n53 | 1n31 | 1s27 | 15s31 | 9n21 | 8n51 | 15s 1 | 17s17 | 6n16 |

Julian Day Number = 2131384.5, Delta T = 16m31s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'10, Lahiri = 11°38'10 Julian Calendar 1 June 1123 == Greg. Calendar 8 June 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## JULY 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 58 51 | 14♋ 9'47 | 28♍21 | 10♌ 6 | 26°R26 | 2♉47 | 12♊49 | 9♌15 | 22♌47 | 26♍18 | 4♉52 | 6♍ 2 | 7♍19 | 28♏52 | 1°R 5 | S 1 |
| M 2 | 19 2 47 | 15° 7'02 | 10♎44 | 11°20 | 25♋55 | 3°27 | 13° 2 | 9°22 | 22°51 | 26°19 | 4°53 | 6°R 3 | 7°16 | 28°59 | 1♑ 1 | M 2 |
| T 3 | 19 6 44 | 16° 4'18 | 22°53 | 12°33 | 25°22 | 4° 8 | 13°14 | 9°29 | 22°54 | 26°20 | 4°53 | 6° 3 | 7°13 | 29° 6 | 0°58 | T 3 |
| W 4 | 19 10 40 | 17° 1'33 | 4♏51 | 13°43 | 24°49 | 4°48 | 13°27 | 9°37 | 22°57 | 26°21 | 4°54 | 6° 1 | 7° 9 | 29°12 | 0°54 | W 4 |
| T 5 | 19 14 37 | 17°58'50 | 16°44 | 14°51 | 24°14 | 5°29 | 13°39 | 9°44 | 23° 0 | 26°22 | 4°54 | 5°57 | 7° 6 | 29°19 | 0°51 | T 5 |
| F 6 | 19 18 34 | 18°56'06 | 28°36 | 15°55 | 23°38 | 6° 9 | 13°52 | 9°51 | 23° 3 | 26°23 | 4°55 | 5°51 | 7° 3 | 29°26 | 0°47 | F 6 |
| S 7 | 19 22 30 | 19°53'23 | 10♐31 | 16°58 | 23° 1 | 6°49 | 14° 4 | 9°59 | 23° 7 | 26°24 | 4°55 | 5°44 | 7° 0 | 29°33 | 0°44 | S 7 |
| S 8 | 19 26 27 | 20°50'41 | 22°31 | 17°57 | 22°24 | 7°29 | 14°17 | 10° 6 | 23°10 | 26°25 | 4°56 | 5°36 | 6°57 | 29°39 | 0°40 | S 8 |
| M 9 | 19 30 23 | 21°48'00 | 4♑40 | 18°54 | 21°47 | 8° 9 | 14°29 | 10°13 | 23°13 | 26°27 | 4°56 | 5°28 | 6°54 | 29°46 | 0°37 | M 9 |
| T 10 | 19 34 20 | 22°45'19 | 16°57 | 19°47 | 21° 9 | 8°48 | 14°41 | 10°21 | 23°17 | 26°28 | 4°56 | 5°21 | 6°50 | 29°53 | 0°33 | T 10 |
| W11 | 19 38 16 | 23°42'39 | 29°25 | 20°37 | 20°32 | 9°28 | 14°54 | 10°28 | 23°20 | 26°29 | 4°57 | 5°15 | 6°47 | 29°59 | 0°30 | W11 |
| T 12 | 19 42 13 | 24°39'59 | 12♒ 4 | 21°24 | 19°55 | 10° 7 | 15° 6 | 10°36 | 23°23 | 26°30 | 4°57 | 5°11 | 6°44 | 0♐ 6 | 0°27 | T 12 |
| F 13 | 19 46 10 | 25°37'21 | 24°54 | 22° 8 | 19°19 | 10°47 | 15°18 | 10°43 | 23°27 | 26°32 | 4°58 | 5° 9 | 6°41 | 0°13 | 0°24 | F 13 |
| S 14 | 19 50 6 | 26°34'44 | 7♓57 | 22°48 | 18°44 | 11°26 | 15°30 | 10°50 | 23°30 | 26°33 | 4°58 | 5°D 8 | 6°38 | 0°20 | 0°20 | S 14 |
| S 15 | 19 54 3 | 27°32'08 | 21°12 | 23°24 | 18°10 | 12° 5 | 15°42 | 10°58 | 23°34 | 26°34 | 4°58 | 5° 9 | 6°34 | 0°26 | 0°17 | S 15 |
| M16 | 19 57 59 | 28°29'33 | 4♈41 | 23°56 | 17°37 | 12°44 | 15°54 | 11° 6 | 23°37 | 26°35 | 4°59 | 5°10 | 6°31 | 0°33 | 0°14 | M16 |
| T 17 | 20 1 56 | 29°26'59 | 18°24 | 24°24 | 17° 6 | 13°22 | 16° 5 | 11°13 | 23°41 | 26°37 | 4°59 | 5°12 | 6°28 | 0°40 | 0°11 | T 17 |
| W18 | 20 5 52 | 0♌24'27 | 2♉22 | 24°47 | 16°37 | 14° 1 | 16°17 | 11°21 | 23°44 | 26°38 | 4°59 | 5°R12 | 6°25 | 0°47 | 0° 8 | W18 |
| T 19 | 20 9 49 | 1°21'56 | 16°34 | 25° 6 | 16° 9 | 14°39 | 16°29 | 11°28 | 23°48 | 26°40 | 4°59 | 5°11 | 6°22 | 0°53 | 0° 5 | T 19 |
| F 20 | 20 13 45 | 2°19'27 | 0♊58 | 25°20 | 15°44 | 15°18 | 16°40 | 11°36 | 23°51 | 26°41 | 5° 0 | 5° 9 | 6°19 | 1° 0 | 0° 2 | F 20 |
| S 21 | 20 17 42 | 3°16'59 | 15°31 | 25°29 | 15°20 | 15°56 | 16°52 | 11°43 | 23°55 | 26°43 | 5° 0 | 5° 5 | 6°15 | 1° 7 | 29♐59 | S 21 |
| S 22 | 20 21 39 | 4°14'32 | 0♋ 8 | 25°R33 | 14°59 | 16°34 | 17° 3 | 11°51 | 23°58 | 26°44 | 5° 0 | 5° 1 | 6°12 | 1°13 | 29°56 | S 22 |
| M23 | 20 25 35 | 5°12'07 | 14°41 | 25°32 | 14°40 | 17°12 | 17°15 | 11°58 | 24° 2 | 26°46 | 5° 0 | 4°57 | 6° 9 | 1°20 | 29°54 | M23 |
| T 24 | 20 29 32 | 6° 9'43 | 29° 6 | 25°25 | 14°23 | 17°49 | 17°26 | 12° 6 | 24° 6 | 26°47 | 5° 0 | 4°53 | 6° 6 | 1°27 | 29°51 | T 24 |
| W25 | 20 33 28 | 7° 7'21 | 13♌15 | 25°13 | 14° 8 | 18°27 | 17°37 | 12°14 | 24° 9 | 26°49 | 5° 0 | 4°50 | 6° 3 | 1°34 | 29°48 | W25 |
| T 26 | 20 37 25 | 8° 4'59 | 27° 5 | 24°55 | 13°56 | 19° 4 | 17°48 | 12°21 | 24°13 | 26°50 | 5° 0 | 4°49 | 6° 0 | 1°40 | 29°46 | T 26 |
| F 27 | 20 41 21 | 9° 2'39 | 10♍33 | 24°32 | 13°46 | 19°42 | 17°59 | 12°29 | 24°16 | 26°52 | 5° 0 | 4°D49 | 5°56 | 1°47 | 29°43 | F 27 |
| S 28 | 20 45 18 | 10° 0'20 | 23°38 | 24° 3 | 13°39 | 20°19 | 18°10 | 12°37 | 24°20 | 26°54 | 5° 1 | 4°50 | 5°53 | 1°54 | 29°41 | S 28 |
| S 29 | 20 49 14 | 10°58'02 | 6♎22 | 23°30 | 13°34 | 20°55 | 18°21 | 12°44 | 24°24 | 26°55 | 5° 1 | 4°51 | 5°50 | 2° 0 | 29°38 | S 29 |
| M30 | 20 53 11 | 11°55'45 | 18°47 | 22°51 | 13°31 | 21°32 | 18°31 | 12°52 | 24°27 | 26°57 | 5°R 1 | 4°53 | 5°47 | 2° 7 | 29°36 | M30 |
| T 31 | 20 57 7 | 12♌53'29 | 0♏57 | 22♌ 8 | 13°D31 | 22♉ 8 | 18♊42 | 13♌ 0 | 24♌31 | 26♍59 | 5♉ 1 | 4♍54 | 5♍44 | 2♐14 | 29♐34 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n48 | 2n27 | 1n57 | 18n 7 | 0n20 | 16n52 | 4s11 | 11n 2 | 1s34 | 21n58 | 0s29 | 18n59 | 1n 0 | 14n39 | 0n43 | 2n52 | 1n31 | 1s27 | 15s31 | 9n20 | 8n52 | 15s 2 | 17s17 | 6n16 |
| M 2 | 22 41 | 1s35 | 2 56 | 17 38 | 0 11 | 16 44 | 4 24 | 11 16 | 1 33 | 21 59 | 0 29 | 18 58 | 1 0 | 14 38 | 0 43 | 2 52 | 1 31 | 1 27 | 15 32 | 9 20 | 8 53 | 15 3 | 17 17 | 6 16 |
| T 3 | 22 35 | 5 27 | 3 45 | 17 8 | 0 1 | 16 37 | 4 38 | 11 30 | 1 33 | 22 1 | 0 29 | 18 56 | 1 0 | 14 37 | 0 43 | 2 51 | 1 31 | 1 27 | 15 32 | 9 20 | 8 54 | 15 4 | 17 17 | 6 16 |
| W 4 | 22 28 | 9 3 | 4 24 | 16 38 | 0s10 | 16 30 | 4 51 | 11 44 | 1 33 | 22 2 | 0 29 | 18 54 | 1 0 | 14 36 | 0 43 | 2 51 | 1 31 | 1 27 | 15 32 | 9 21 | 8 55 | 15 6 | 17 17 | 6 16 |
| T 5 | 22 20 | 12 16 | 4 51 | 16 8 | 0 20 | 16 23 | 5 4 | 11 58 | 1 32 | 22 4 | 0 29 | 18 52 | 1 0 | 14 35 | 0 43 | 2 50 | 1 31 | 1 27 | 15 32 | 9 22 | 8 57 | 15 7 | 17 17 | 6 16 |
| F 6 | 22 12 | 14 59 | 5 5 | 15 39 | 0 31 | 16 17 | 5 16 | 12 11 | 1 32 | 22 6 | 0 29 | 18 50 | 1 0 | 14 34 | 0 43 | 2 50 | 1 31 | 1 27 | 15 33 | 9 24 | 8 58 | 15 8 | 17 17 | 6 16 |
| S 7 | 22 4 | 17 4 | 5 7 | 15 9 | 0 42 | 16 11 | 5 28 | 12 25 | 1 31 | 22 7 | 0 29 | 18 48 | 1 0 | 14 33 | 0 43 | 2 50 | 1 31 | 1 27 | 15 33 | 9 27 | 8 59 | 15 10 | 17 17 | 6 16 |
| S 8 | 21 56 | 18 26 | 4 55 | 14 40 | 0 54 | 16 6 | 5 39 | 12 38 | 1 31 | 22 9 | 0 29 | 18 46 | 1 0 | 14 32 | 0 43 | 2 49 | 1 31 | 1 28 | 15 33 | 9 30 | 9 0 | 15 11 | 17 17 | 6 16 |
| M 9 | 21 47 | 18 59 | 4 29 | 14 12 | 1 5 | 16 1 | 5 50 | 12 52 | 1 31 | 22 10 | 0 29 | 18 44 | 1 1 | 14 31 | 0 43 | 2 49 | 1 31 | 1 28 | 15 34 | 9 33 | 9 1 | 15 12 | 17 18 | 6 15 |
| T 10 | 21 37 | 18 39 | 3 51 | 13 44 | 1 17 | 15 57 | 6 0 | 13 5 | 1 30 | 22 12 | 0 29 | 18 42 | 1 1 | 14 30 | 0 43 | 2 48 | 1 31 | 1 28 | 15 34 | 9 36 | 9 2 | 15 14 | 17 18 | 6 15 |
| W11 | 21 28 | 17 25 | 3 1 | 13 16 | 1 29 | 15 53 | 6 9 | 13 18 | 1 30 | 22 13 | 0 29 | 18 40 | 1 1 | 14 29 | 0 43 | 2 47 | 1 31 | 1 28 | 15 34 | 9 38 | 9 4 | 15 15 | 17 18 | 6 15 |
| T 12 | 21 17 | 15 18 | 2 2 | 12 50 | 1 41 | 15 50 | 6 18 | 13 31 | 1 29 | 22 14 | 0 29 | 18 38 | 1 1 | 14 27 | 0 43 | 2 47 | 1 31 | 1 28 | 15 34 | 9 39 | 9 5 | 15 16 | 17 18 | 6 15 |
| F 13 | 21 7 | 12 25 | 0 55 | 12 24 | 1 54 | 15 47 | 6 26 | 13 43 | 1 29 | 22 16 | 0 28 | 18 36 | 1 1 | 14 26 | 0 43 | 2 46 | 1 31 | 1 28 | 15 35 | 9 40 | 9 6 | 15 17 | 17 18 | 6 15 |
| S 14 | 20 56 | 8 52 | 0s15 | 12 0 | 2 6 | 15 45 | 6 33 | 13 56 | 1 28 | 22 17 | 0 28 | 18 34 | 1 1 | 14 25 | 0 43 | 2 46 | 1 31 | 1 28 | 15 35 | 9 40 | 9 7 | 15 19 | 17 18 | 6 15 |
| S 15 | 20 45 | 4 50 | 1 26 | 11 36 | 2 19 | 15 43 | 6 40 | 14 8 | 1 28 | 22 19 | 0 28 | 18 32 | 1 1 | 14 24 | 0 43 | 2 45 | 1 31 | 1 29 | 15 35 | 9 40 | 9 8 | 15 20 | 17 19 | 6 14 |
| M16 | 20 34 | 0 29 | 2 34 | 11 14 | 2 31 | 15 41 | 6 45 | 14 21 | 1 27 | 22 20 | 0 28 | 18 30 | 1 1 | 14 23 | 0 43 | 2 45 | 1 31 | 1 29 | 15 36 | 9 39 | 9 10 | 15 21 | 17 19 | 6 14 |
| T 17 | 20 22 | 3n57 | 3 34 | 10 53 | 2 43 | 15 40 | 6 50 | 14 33 | 1 27 | 22 21 | 0 28 | 18 28 | 1 1 | 14 22 | 0 43 | 2 44 | 1 31 | 1 29 | 15 36 | 9 39 | 9 11 | 15 22 | 17 19 | 6 14 |
| W18 | 20 9 | 8 15 | 4 22 | 10 34 | 2 56 | 15 39 | 6 54 | 14 45 | 1 26 | 22 22 | 0 28 | 18 26 | 1 1 | 14 20 | 0 43 | 2 44 | 1 31 | 1 29 | 15 36 | 9 39 | 9 12 | 15 24 | 17 19 | 6 14 |
| T 19 | 19 57 | 12 8 | 4 56 | 10 16 | 3 8 | 15 39 | 6 58 | 14 57 | 1 26 | 22 24 | 0 28 | 18 24 | 1 1 | 14 19 | 0 43 | 2 43 | 1 30 | 1 29 | 15 37 | 9 39 | 9 13 | 15 25 | 17 19 | 6 14 |
| F 20 | 19 44 | 15 22 | 5 11 | 10 0 | 3 19 | 15 39 | 7 0 | 15 9 | 1 25 | 22 25 | 0 28 | 18 22 | 1 1 | 14 18 | 0 43 | 2 42 | 1 30 | 1 30 | 15 37 | 9 40 | 9 14 | 15 26 | 17 20 | 6 13 |
| S 21 | 19 31 | 17 40 | 5 7 | 9 47 | 3 31 | 15 40 | 7 2 | 15 20 | 1 24 | 22 26 | 0 28 | 18 20 | 1 1 | 14 17 | 0 43 | 2 42 | 1 30 | 1 30 | 15 37 | 9 41 | 9 15 | 15 28 | 17 20 | 6 13 |
| S 22 | 19 17 | 18 50 | 4 43 | 9 35 | 3 42 | 15 41 | 7 4 | 15 32 | 1 24 | 22 27 | 0 28 | 18 18 | 1 1 | 14 16 | 0 43 | 2 41 | 1 30 | 1 30 | 15 37 | 9 43 | 9 17 | 15 29 | 17 20 | 6 13 |
| M23 | 19 3 | 18 45 | 4 0 | 9 25 | 3 52 | 15 42 | 7 4 | 15 43 | 1 23 | 22 28 | 0 28 | 18 16 | 1 1 | 14 14 | 0 43 | 2 40 | 1 30 | 1 30 | 15 38 | 9 44 | 9 18 | 15 30 | 17 20 | 6 13 |
| T 24 | 18 49 | 17 27 | 3 3 | 9 18 | 4 2 | 15 44 | 7 4 | 15 54 | 1 23 | 22 29 | 0 28 | 18 14 | 1 1 | 14 13 | 0 43 | 2 40 | 1 30 | 1 31 | 15 38 | 9 46 | 9 19 | 15 31 | 17 21 | 6 12 |
| W25 | 18 35 | 15 4 | 1 55 | 9 14 | 4 11 | 15 46 | 7 4 | 16 5 | 1 22 | 22 30 | 0 28 | 18 11 | 1 1 | 14 12 | 0 43 | 2 39 | 1 30 | 1 31 | 15 38 | 9 47 | 9 20 | 15 33 | 17 21 | 6 12 |
| T 26 | 18 20 | 11 53 | 0 42 | 9 12 | 4 19 | 15 49 | 7 3 | 16 16 | 1 21 | 22 32 | 0 28 | 18 9 | 1 2 | 14 11 | 0 43 | 2 39 | 1 30 | 1 31 | 15 39 | 9 47 | 9 21 | 15 34 | 17 21 | 6 12 |
| F 27 | 18 5 | 8 8 | 0n31 | 9 13 | 4 26 | 15 51 | 7 1 | 16 27 | 1 21 | 22 33 | 0 28 | 18 7 | 1 2 | 14 10 | 0 43 | 2 38 | 1 30 | 1 31 | 15 39 | 9 47 | 9 23 | 15 35 | 17 21 | 6 12 |
| S 28 | 17 49 | 4 6 | 1 42 | 9 17 | 4 32 | 15 54 | 6 59 | 16 37 | 1 20 | 22 34 | 0 28 | 18 5 | 1 2 | 14 8 | 0 43 | 2 37 | 1 30 | 1 32 | 15 39 | 9 47 | 9 24 | 15 36 | 17 22 | 6 11 |
| S 29 | 17 34 | 0s 1 | 2 45 | 9 24 | 4 37 | 15 57 | 6 56 | 16 48 | 1 19 | 22 35 | 0 28 | 18 3 | 1 2 | 14 7 | 0 43 | 2 36 | 1 30 | 1 32 | 15 40 | 9 47 | 9 25 | 15 38 | 17 22 | 6 11 |
| M30 | 17 18 | 4 1 | 3 39 | 9 33 | 4 40 | 16 1 | 6 53 | 16 58 | 1 19 | 22 36 | 0 28 | 18 1 | 1 2 | 14 6 | 0 43 | 2 36 | 1 30 | 1 32 | 15 40 | 9 46 | 9 26 | 15 39 | 17 22 | 6 11 |
| T 31 | 17n 1 | 7s46 | 4n22 | 9n45 | 4s41 | 16n 4 | 6s50 | 17n 8 | 1s18 | 22n36 | 0s28 | 17n59 | 1n 2 | 14n 5 | 0n43 | 2n35 | 1n30 | 1s32 | 15s40 | 9n45 | 9n27 | 15s40 | 17s23 | 6n10 |

Julian Day Number = 2131414.5, Delta T = 16m31s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'14, Lahiri = 11°38'14 Julian Calendar 1 July 1123 == Greg. Calendar 8 July 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## AUGUST 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 1 4 | 13♌51'15 | 12♏57 | 21°R21 | 13♋33 | 22♉45 | 18♊52 | 13♌ 7 | 24♌35 | 27♍ 0 | 5°R 1 | 4°R55 | 5♍40 | 2♐21 | 29°R31 | W 1 |
| T 2 | 21 5 1 | 14°49'01 | 24°52 | 20♌32 | 13°37 | 23°21 | 19° 3 | 13°15 | 24°39 | 27° 2 | 5♉ 0 | 4♍54 | 5°37 | 2°27 | 29♐29 | T 2 |
| F 3 | 21 8 57 | 15°46'49 | 6♐45 | 19°40 | 13°44 | 23°57 | 19°13 | 13°22 | 24°42 | 27° 4 | 5° 0 | 4°53 | 5°34 | 2°34 | 29°27 | F 3 |
| S 4 | 21 12 54 | 16°44'38 | 18°42 | 18°46 | 13°52 | 24°32 | 19°23 | 13°30 | 24°46 | 27° 6 | 5° 0 | 4°51 | 5°31 | 2°41 | 29°25 | S 4 |
| S 5 | 21 16 50 | 17°42'29 | 0♑46 | 17°53 | 14° 3 | 25° 8 | 19°34 | 13°38 | 24°50 | 27° 7 | 5° 0 | 4°49 | 5°28 | 2°48 | 29°23 | S 5 |
| M 6 | 21 20 47 | 18°40'21 | 13° 0 | 17° 0 | 14°16 | 25°43 | 19°44 | 13°45 | 24°53 | 27° 9 | 5° 0 | 4°46 | 5°25 | 2°54 | 29°22 | M 6 |
| T 7 | 21 24 43 | 19°38'14 | 25°27 | 16° 9 | 14°31 | 26°18 | 19°53 | 13°53 | 24°57 | 27°11 | 5° 0 | 4°44 | 5°21 | 3° 1 | 29°20 | T 7 |
| W 8 | 21 28 40 | 20°36'09 | 8♒ 9 | 15°21 | 14°48 | 26°53 | 20° 3 | 14° 1 | 25° 1 | 27°13 | 5° 0 | 4°42 | 5°18 | 3° 8 | 29°18 | W 8 |
| T 9 | 21 32 36 | 21°34'05 | 21° 6 | 14°37 | 15° 7 | 27°28 | 20°13 | 14° 8 | 25° 5 | 27°15 | 5° 0 | 4°41 | 5°15 | 3°14 | 29°16 | T 9 |
| F 10 | 21 36 33 | 22°32'03 | 4♓18 | 13°59 | 15°27 | 28° 3 | 20°23 | 14°16 | 25° 8 | 27°17 | 4°59 | 4°D41 | 5°12 | 3°21 | 29°15 | F 10 |
| S 11 | 21 40 30 | 23°30'02 | 17°44 | 13°26 | 15°49 | 28°37 | 20°32 | 14°23 | 25°12 | 27°19 | 4°59 | 4°41 | 5° 9 | 3°28 | 29°13 | S 11 |
| S 12 | 21 44 26 | 24°28'03 | 1♈23 | 13° 0 | 16°14 | 29°11 | 20°41 | 14°31 | 25°16 | 27°21 | 4°59 | 4°42 | 5° 5 | 3°35 | 29°12 | S 12 |
| M13 | 21 48 23 | 25°26'06 | 15°13 | 12°42 | 16°39 | 29°45 | 20°51 | 14°38 | 25°20 | 27°23 | 4°59 | 4°42 | 5° 2 | 3°41 | 29°11 | M13 |
| T 14 | 21 52 19 | 26°24'11 | 29°12 | 12°31 | 17° 7 | 0♊18 | 21° 0 | 14°46 | 25°23 | 27°25 | 4°58 | 4°43 | 4°59 | 3°48 | 29° 9 | T 14 |
| W15 | 21 56 16 | 27°22'18 | 13♉19 | 12°D29 | 17°36 | 0°52 | 21° 9 | 14°54 | 25°27 | 27°27 | 4°58 | 4°44 | 4°56 | 3°55 | 29° 8 | W15 |
| T 16 | 22 0 12 | 28°20'28 | 27°31 | 12°35 | 18° 6 | 1°25 | 21°18 | 15° 1 | 25°31 | 27°29 | 4°58 | 4°R44 | 4°53 | 4° 2 | 29° 7 | T 16 |
| F 17 | 22 4 9 | 29°18'39 | 11♊45 | 12°50 | 18°38 | 1°58 | 21°26 | 15° 9 | 25°35 | 27°31 | 4°57 | 4°44 | 4°50 | 4° 8 | 29° 6 | F 17 |
| S 18 | 22 8 5 | 0♍16'52 | 26° 0 | 13°14 | 19°12 | 2°31 | 21°35 | 15°16 | 25°39 | 27°33 | 4°57 | 4°43 | 4°46 | 4°15 | 29° 5 | S 18 |
| S 19 | 22 12 2 | 1°15'08 | 10♋12 | 13°46 | 19°46 | 3° 3 | 21°44 | 15°23 | 25°42 | 27°35 | 4°56 | 4°43 | 4°43 | 4°22 | 29° 4 | S 19 |
| M20 | 22 15 59 | 2°13'25 | 24°18 | 14°27 | 20°22 | 3°35 | 21°52 | 15°31 | 25°46 | 27°37 | 4°56 | 4°43 | 4°40 | 4°28 | 29° 3 | M20 |
| T 21 | 22 19 55 | 3°11'45 | 8♌15 | 15°16 | 20°59 | 4° 7 | 22° 0 | 15°38 | 25°50 | 27°39 | 4°56 | 4°43 | 4°37 | 4°35 | 29° 3 | T 21 |
| W22 | 22 23 52 | 4°10'06 | 21°59 | 16°12 | 21°38 | 4°39 | 22° 8 | 15°46 | 25°53 | 27°41 | 4°55 | 4°42 | 4°34 | 4°42 | 29° 2 | W22 |
| T 23 | 22 27 48 | 5° 8'30 | 5♍29 | 17°16 | 22°17 | 5°10 | 22°16 | 15°53 | 25°57 | 27°43 | 4°55 | 4°42 | 4°31 | 4°49 | 29° 2 | T 23 |
| F 24 | 22 31 45 | 6° 6'55 | 18°42 | 18°26 | 22°58 | 5°41 | 22°24 | 16° 0 | 26° 1 | 27°45 | 4°54 | 4°42 | 4°27 | 4°55 | 29° 1 | F 24 |
| S 25 | 22 35 41 | 7° 5'22 | 1♎38 | 19°43 | 23°40 | 6°12 | 22°32 | 16° 8 | 26° 5 | 27°47 | 4°54 | 4°42 | 4°24 | 5° 2 | 29° 1 | S 25 |
| S 26 | 22 39 38 | 8° 3'51 | 14°17 | 21° 5 | 24°23 | 6°43 | 22°39 | 16°15 | 26° 8 | 27°49 | 4°53 | 4°42 | 4°21 | 5° 9 | 29° 0 | S 26 |
| M27 | 22 43 34 | 9° 2'22 | 26°41 | 22°33 | 25° 6 | 7°13 | 22°47 | 16°22 | 26°12 | 27°51 | 4°53 | 4°41 | 4°18 | 5°15 | 29° 0 | M27 |
| T 28 | 22 47 31 | 10° 0'54 | 8♏51 | 24° 5 | 25°51 | 7°43 | 22°54 | 16°30 | 26°16 | 27°53 | 4°52 | 4°41 | 4°15 | 5°22 | 29° 0 | T 28 |
| W29 | 22 51 28 | 10°59'28 | 20°51 | 25°40 | 26°37 | 8°12 | 23° 1 | 16°37 | 26°19 | 27°56 | 4°51 | 4°40 | 4°11 | 5°29 | 29°D 0 | W29 |
| T 30 | 22 55 24 | 11°58'04 | 2♐46 | 27°19 | 27°23 | 8°42 | 23° 8 | 16°44 | 26°23 | 27°58 | 4°51 | 4°40 | 4° 8 | 5°36 | 29° 0 | T 30 |
| F 31 | 22 59 21 | 12♍56'42 | 14♐39 | 29♌ 1 | 28♋11 | 9♊11 | 23♊15 | 16♌51 | 26♌27 | 28♍ 0 | 4♉50 | 4°D40 | 4♍ 5 | 5♐42 | 29♐ 0 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16n45 | 11s 9 | 4n52 | 10n 0 | 4s41 | 16n 8 | 6s46 | 17n18 | 1s17 | 22n37 | 0s28 | 17n57 | 1n 2 | 14n 3 | 0n43 | 2n34 | 1n30 | 1s33 | 15s40 | 9n45 | 9n28 | 15s41 | 17s23 | 6n10 | |
| T 2 | 16 28 | 14 3 | 5 10 | 10 18 | 4 39 | 16 12 | 6 41 | 17 28 | 1 16 | 22 38 | 0 28 | 17 55 | 1 2 | 14 2 | 0 43 | 2 34 | 1 30 | 1 33 | 15 41 | 9 45 | 9 30 | 15 43 | 17 23 | 6 10 | |
| F 3 | 16 11 | 16 22 | 5 15 | 10 38 | 4 35 | 16 16 | 6 37 | 17 37 | 1 16 | 22 39 | 0 28 | 17 53 | 1 2 | 14 1 | 0 43 | 2 33 | 1 30 | 1 33 | 15 41 | 9 46 | 9 31 | 15 44 | 17 24 | 6 9 | |
| S 4 | 15 53 | 17 59 | 5 6 | 11 0 | 4 29 | 16 19 | 6 32 | 17 47 | 1 15 | 22 40 | 0 28 | 17 50 | 1 2 | 14 0 | 0 42 | 2 32 | 1 30 | 1 34 | 15 41 | 9 47 | 9 32 | 15 45 | 17 24 | 6 9 | |
| S 5 | 15 36 | 18 49 | 4 44 | 11 24 | 4 21 | 16 24 | 6 27 | 17 56 | 1 14 | 22 41 | 0 27 | 17 48 | 1 2 | 13 58 | 0 42 | 2 31 | 1 30 | 1 34 | 15 42 | 9 48 | 9 33 | 15 46 | 17 24 | 6 9 | |
| M 6 | 15 18 | 18 48 | 4 8 | 11 49 | 4 12 | 16 28 | 6 21 | 18 5 | 1 13 | 22 42 | 0 27 | 17 46 | 1 2 | 13 57 | 0 42 | 2 31 | 1 30 | 1 34 | 15 42 | 9 48 | 9 34 | 15 48 | 17 24 | 6 8 | |
| T 7 | 15 0 | 17 52 | 3 20 | 12 15 | 4 0 | 16 32 | 6 16 | 18 15 | 1 12 | 22 42 | 0 27 | 17 44 | 1 2 | 13 56 | 0 42 | 2 30 | 1 30 | 1 35 | 15 42 | 9 49 | 9 35 | 15 49 | 17 25 | 6 8 | |
| W 8 | 14 41 | 16 2 | 2 21 | 12 41 | 3 47 | 16 36 | 6 10 | 18 23 | 1 12 | 22 43 | 0 27 | 17 42 | 1 3 | 13 55 | 0 42 | 2 29 | 1 30 | 1 35 | 15 43 | 9 50 | 9 37 | 15 50 | 17 25 | 6 8 | |
| T 9 | 14 23 | 13 21 | 1 14 | 13 8 | 3 33 | 16 40 | 6 4 | 18 32 | 1 11 | 22 44 | 0 27 | 17 40 | 1 3 | 13 53 | 0 42 | 2 28 | 1 30 | 1 35 | 15 43 | 9 50 | 9 38 | 15 51 | 17 26 | 6 7 | |
| F 10 | 14 4 | 9 57 | 0 2 | 13 34 | 3 17 | 16 44 | 5 58 | 18 41 | 1 10 | 22 45 | 0 27 | 17 38 | 1 3 | 13 52 | 0 42 | 2 28 | 1 30 | 1 36 | 15 43 | 9 50 | 9 39 | 15 52 | 17 26 | 6 7 | |
| S 11 | 13 45 | 5 58 | 1s12 | 13 59 | 3 0 | 16 47 | 5 51 | 18 49 | 1 9 | 22 45 | 0 27 | 17 35 | 1 3 | 13 51 | 0 42 | 2 27 | 1 30 | 1 36 | 15 43 | 9 50 | 9 40 | 15 54 | 17 26 | 6 7 | |
| S 12 | 13 26 | 1 38 | 2 23 | 14 23 | 2 43 | 16 51 | 5 45 | 18 58 | 1 8 | 22 46 | 0 27 | 17 33 | 1 3 | 13 50 | 0 43 | 2 26 | 1 30 | 1 36 | 15 44 | 9 50 | 9 41 | 15 55 | 17 27 | 6 6 | |
| M13 | 13 6 | 2n51 | 3 26 | 14 46 | 2 24 | 16 55 | 5 38 | 19 6 | 1 7 | 22 47 | 0 27 | 17 31 | 1 3 | 13 48 | 0 43 | 2 25 | 1 30 | 1 37 | 15 44 | 9 50 | 9 42 | 15 56 | 17 27 | 6 6 | |
| T 14 | 12 46 | 7 13 | 4 18 | 15 7 | 2 6 | 16 58 | 5 32 | 19 14 | 1 6 | 22 48 | 0 27 | 17 29 | 1 3 | 13 47 | 0 43 | 2 24 | 1 30 | 1 37 | 15 44 | 9 49 | 9 44 | 15 57 | 17 27 | 6 6 | |
| W15 | 12 26 | 11 13 | 4 55 | 15 25 | 1 47 | 17 1 | 5 25 | 19 22 | 1 5 | 22 48 | 0 27 | 17 27 | 1 3 | 13 46 | 0 43 | 2 24 | 1 30 | 1 37 | 15 45 | 9 49 | 9 45 | 15 58 | 17 28 | 6 5 | |
| T 16 | 12 6 | 14 35 | 5 14 | 15 41 | 1 29 | 17 4 | 5 18 | 19 29 | 1 5 | 22 49 | 0 27 | 17 25 | 1 3 | 13 44 | 0 43 | 2 23 | 1 30 | 1 38 | 15 45 | 9 49 | 9 46 | 16 0 | 17 28 | 6 5 | |
| F 17 | 11 46 | 17 6 | 5 14 | 15 55 | 1 10 | 17 7 | 5 11 | 19 37 | 1 4 | 22 49 | 0 27 | 17 23 | 1 3 | 13 43 | 0 43 | 2 22 | 1 30 | 1 38 | 15 45 | 9 49 | 9 47 | 16 1 | 17 28 | 6 4 | |
| S 18 | 11 25 | 18 34 | 4 55 | 16 5 | 0 52 | 17 9 | 5 4 | 19 44 | 1 3 | 22 50 | 0 27 | 17 21 | 1 3 | 13 42 | 0 43 | 2 21 | 1 30 | 1 38 | 15 45 | 9 49 | 9 48 | 16 2 | 17 29 | 6 4 | |
| S 19 | 11 5 | 18 52 | 4 18 | 16 13 | 0 35 | 17 12 | 4 57 | 19 52 | 1 2 | 22 51 | 0 27 | 17 18 | 1 4 | 13 41 | 0 43 | 2 20 | 1 30 | 1 39 | 15 46 | 9 50 | 9 49 | 16 3 | 17 29 | 6 4 | |
| M20 | 10 44 | 17 59 | 3 26 | 16 17 | 0 18 | 17 13 | 4 50 | 19 59 | 1 1 | 22 51 | 0 27 | 17 16 | 1 4 | 13 39 | 0 43 | 2 19 | 1 30 | 1 39 | 15 46 | 9 50 | 9 51 | 16 4 | 17 30 | 6 3 | |
| T 21 | 10 23 | 16 1 | 2 22 | 16 18 | 0 2 | 17 15 | 4 42 | 20 6 | 1 0 | 22 52 | 0 27 | 17 14 | 1 4 | 13 38 | 0 43 | 2 19 | 1 30 | 1 40 | 15 46 | 9 50 | 9 52 | 16 6 | 17 30 | 6 3 | |
| W22 | 10 2 | 13 8 | 1 10 | 16 15 | 0n12 | 17 16 | 4 35 | 20 12 | 0 58 | 22 52 | 0 27 | 17 12 | 1 4 | 13 37 | 0 43 | 2 18 | 1 30 | 1 40 | 15 46 | 9 50 | 9 53 | 16 7 | 17 30 | 6 2 | |
| T 23 | 9 40 | 9 37 | 0n 4 | 16 9 | 0 26 | 17 17 | 4 28 | 20 19 | 0 57 | 22 53 | 0 27 | 17 10 | 1 4 | 13 36 | 0 43 | 2 17 | 1 30 | 1 40 | 15 47 | 9 50 | 9 54 | 16 8 | 17 31 | 6 2 | |
| F 24 | 9 19 | 5 40 | 1 17 | 16 0 | 0 39 | 17 18 | 4 21 | 20 26 | 0 56 | 22 53 | 0 27 | 17 8 | 1 4 | 13 34 | 0 43 | 2 16 | 1 30 | 1 41 | 15 47 | 9 50 | 9 55 | 16 9 | 17 31 | 6 2 | |
| S 25 | 8 57 | 1 33 | 2 24 | 15 47 | 0 51 | 17 18 | 4 13 | 20 32 | 0 55 | 22 54 | 0 27 | 17 6 | 1 4 | 13 33 | 0 43 | 2 15 | 1 30 | 1 41 | 15 47 | 9 50 | 9 56 | 16 10 | 17 32 | 6 1 | |
| S 26 | 8 35 | 2s33 | 3 22 | 15 31 | 1 2 | 17 18 | 4 6 | 20 39 | 0 54 | 22 54 | 0 27 | 17 4 | 1 4 | 13 32 | 0 43 | 2 14 | 1 30 | 1 42 | 15 47 | 9 50 | 9 58 | 16 12 | 17 32 | 6 1 | |
| M27 | 8 13 | 6 27 | 4 10 | 15 11 | 1 12 | 17 18 | 3 59 | 20 45 | 0 53 | 22 55 | 0 27 | 17 2 | 1 4 | 13 31 | 0 43 | 2 14 | 1 30 | 1 42 | 15 48 | 9 50 | 9 59 | 16 13 | 17 33 | 6 0 | |
| T 28 | 7 51 | 10 0 | 4 45 | 14 49 | 1 20 | 17 17 | 3 51 | 20 51 | 0 52 | 22 55 | 0 27 | 17 0 | 1 5 | 13 29 | 0 43 | 2 13 | 1 30 | 1 42 | 15 48 | 9 50 | 10 0 | 16 14 | 17 33 | 6 0 | |
| W29 | 7 29 | 13 6 | 5 8 | 14 24 | 1 27 | 17 16 | 3 44 | 20 57 | 0 51 | 22 55 | 0 27 | 16 58 | 1 5 | 13 28 | 0 43 | 2 12 | 1 30 | 1 43 | 15 48 | 9 51 | 10 1 | 16 15 | 17 33 | 5 59 | |
| T 30 | 7 6 | 15 38 | 5 17 | 13 55 | 1 34 | 17 14 | 3 37 | 21 2 | 0 49 | 22 56 | 0 27 | 16 55 | 1 5 | 13 27 | 0 43 | 2 11 | 1 30 | 1 43 | 15 48 | 9 51 | 10 2 | 16 16 | 17 34 | 5 59 | |
| F 31 | 6n44 | 17s30 | 5n12 | 13n25 | 1n39 | 17n12 | 3s30 | 21n 8 | 0s48 | 22n56 | 0s27 | 16n53 | 1n 5 | 13n26 | 0n43 | 2n10 | 1n30 | 1s44 | 15s49 | 9n51 | 10n 3 | 16s18 | 17s34 | 5n59 | |

Julian Day Number = 2131445.5, Delta T = 16m30s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'18, Lahiri = 11°38'19 Julian Calendar 1 Aug. 1123 == Greg. Calendar 8 Aug. 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## SEPTEMBER 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 3 17 | 13♍55'21 | 26♐35 | 0♍46 | 28♋59 | 9♊39 | 23♊22 | 16♌58 | 26♌30 | 28♍ 2 | 4°R49 | 4♍40 | 4♍ 2 | 5♐49 | 29♐ 0 | S 1 |
| S 2 | 23 7 14 | 14°54'02 | 8♑39 | 2°32 | 29°48 | 10° 8 | 23°28 | 17° 5 | 26°34 | 28° 4 | 4♉49 | 4°41 | 3°59 | 5°56 | 29° 1 | S 2 |
| M 3 | 23 11 10 | 15°52'45 | 20°55 | 4°19 | 0♌38 | 10°36 | 23°35 | 17°12 | 26°38 | 28° 7 | 4°48 | 4°42 | 3°56 | 6° 3 | 29° 1 | M 3 |
| T 4 | 23 15 7 | 16°51'30 | 3♒27 | 6° 8 | 1°28 | 11° 3 | 23°41 | 17°19 | 26°41 | 28° 9 | 4°47 | 4°43 | 3°52 | 6° 9 | 29° 1 | T 4 |
| W 5 | 23 19 3 | 17°50'16 | 16°18 | 7°57 | 2°19 | 11°31 | 23°47 | 17°26 | 26°45 | 28°11 | 4°47 | 4°44 | 3°49 | 6°16 | 29° 2 | W 5 |
| T 6 | 23 23 0 | 18°49'04 | 29°30 | 9°47 | 3°11 | 11°58 | 23°53 | 17°33 | 26°48 | 28°13 | 4°46 | 4°R44 | 3°46 | 6°23 | 29° 3 | T 6 |
| F 7 | 23 26 56 | 19°47'55 | 13♓ 1 | 11°37 | 4° 4 | 12°24 | 23°59 | 17°40 | 26°52 | 28°15 | 4°45 | 4°44 | 3°43 | 6°29 | 29° 3 | F 7 |
| S 8 | 23 30 53 | 20°46'47 | 26°52 | 13°27 | 4°57 | 12°51 | 24° 4 | 17°47 | 26°55 | 28°18 | 4°45 | 4°43 | 3°40 | 6°36 | 29° 4 | S 8 |
| S 9 | 23 34 50 | 21°45'41 | 10♈59 | 15°17 | 5°51 | 13°17 | 24°10 | 17°54 | 26°59 | 28°20 | 4°44 | 4°42 | 3°37 | 6°43 | 29° 5 | S 9 |
| M10 | 23 38 46 | 22°44'38 | 25°18 | 17° 6 | 6°46 | 13°42 | 24°15 | 18° 1 | 27° 2 | 28°22 | 4°43 | 4°39 | 3°33 | 6°50 | 29° 6 | M10 |
| T 11 | 23 42 43 | 23°43'36 | 9♉43 | 18°55 | 7°41 | 14° 7 | 24°20 | 18° 7 | 27° 6 | 28°24 | 4°42 | 4°37 | 3°30 | 6°56 | 29° 7 | T 11 |
| W12 | 23 46 39 | 24°42'37 | 24°10 | 20°44 | 8°37 | 14°32 | 24°25 | 18°14 | 27° 9 | 28°26 | 4°41 | 4°35 | 3°27 | 7° 3 | 29° 8 | W12 |
| T 13 | 23 50 36 | 25°41'41 | 8♊32 | 22°32 | 9°33 | 14°56 | 24°30 | 18°21 | 27°13 | 28°29 | 4°41 | 4°33 | 3°24 | 7°10 | 29° 9 | T 13 |
| F 14 | 23 54 32 | 26°40'47 | 22°48 | 24°19 | 10°30 | 15°20 | 24°34 | 18°27 | 27°16 | 28°31 | 4°40 | 4°D32 | 3°21 | 7°17 | 29°10 | F 14 |
| S 15 | 23 58 29 | 27°39'55 | 6♋54 | 26° 6 | 11°27 | 15°44 | 24°39 | 18°34 | 27°20 | 28°33 | 4°39 | 4°32 | 3°17 | 7°23 | 29°12 | S 15 |
| S 16 | 0 2 25 | 28°39'06 | 20°49 | 27°52 | 12°25 | 16° 7 | 24°43 | 18°40 | 27°23 | 28°35 | 4°38 | 4°33 | 3°14 | 7°30 | 29°13 | S 16 |
| M17 | 0 6 22 | 29°38'19 | 4♌32 | 29°37 | 13°23 | 16°29 | 24°47 | 18°47 | 27°26 | 28°38 | 4°37 | 4°35 | 3°11 | 7°37 | 29°15 | M17 |
| T 18 | 0 10 19 | 0♎37'34 | 18° 2 | 1♎22 | 14°22 | 16°51 | 24°51 | 18°53 | 27°30 | 28°40 | 4°36 | 4°36 | 3° 8 | 7°43 | 29°16 | T 18 |
| W19 | 0 14 15 | 1°36'52 | 1♍21 | 3° 6 | 15°21 | 17°13 | 24°55 | 18°59 | 27°33 | 28°42 | 4°35 | 4°R37 | 3° 5 | 7°50 | 29°18 | W19 |
| T 20 | 0 18 12 | 2°36'11 | 14°27 | 4°48 | 16°21 | 17°34 | 24°58 | 19° 5 | 27°36 | 28°44 | 4°34 | 4°37 | 3° 2 | 7°57 | 29°20 | T 20 |
| F 21 | 0 22 8 | 3°35'33 | 27°20 | 6°31 | 17°21 | 17°55 | 25° 2 | 19°12 | 27°39 | 28°47 | 4°33 | 4°35 | 2°58 | 8° 4 | 29°22 | F 21 |
| S 22 | 0 26 5 | 4°34'57 | 10♎ 1 | 8°12 | 18°22 | 18°15 | 25° 5 | 19°18 | 27°43 | 28°49 | 4°32 | 4°32 | 2°55 | 8°10 | 29°24 | S 22 |
| S 23 | 0 30 1 | 5°34'23 | 22°29 | 9°53 | 19°23 | 18°35 | 25° 8 | 19°24 | 27°46 | 28°51 | 4°32 | 4°27 | 2°52 | 8°17 | 29°26 | S 23 |
| M24 | 0 33 58 | 6°33'52 | 4♏46 | 11°33 | 20°24 | 18°54 | 25°10 | 19°30 | 27°49 | 28°53 | 4°31 | 4°21 | 2°49 | 8°24 | 29°28 | M24 |
| T 25 | 0 37 54 | 7°33'22 | 16°53 | 13°12 | 21°26 | 19°13 | 25°13 | 19°36 | 27°52 | 28°55 | 4°30 | 4°15 | 2°46 | 8°30 | 29°30 | T 25 |
| W26 | 0 41 51 | 8°32'54 | 28°51 | 14°50 | 22°28 | 19°31 | 25°15 | 19°42 | 27°55 | 28°58 | 4°29 | 4°10 | 2°42 | 8°37 | 29°32 | W26 |
| T 27 | 0 45 48 | 9°32'28 | 10♐45 | 16°28 | 23°31 | 19°48 | 25°18 | 19°48 | 27°58 | 29° 0 | 4°28 | 4° 5 | 2°39 | 8°44 | 29°34 | T 27 |
| F 28 | 0 49 44 | 10°32'04 | 22°36 | 18° 5 | 24°33 | 20° 5 | 25°20 | 19°53 | 28° 1 | 29° 2 | 4°27 | 4° 1 | 2°36 | 8°51 | 29°37 | F 28 |
| S 29 | 0 53 41 | 11°31'41 | 4♑30 | 19°42 | 25°36 | 20°22 | 25°21 | 19°59 | 28° 4 | 29° 4 | 4°26 | 4° 0 | 2°33 | 8°57 | 29°39 | S 29 |
| S 30 | 0 57 37 | 12♎31'21 | 16♑31 | 21♎18 | 26♌40 | 20♊37 | 25♊23 | 20♌ 5 | 28♌ 7 | 29♍ 6 | 4♉24 | 3°D59 | 2♍30 | 9♐ 4 | 29♐42 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n21 | 18s37 | 4n54 | 12n52 | 1n43 | 17n 9 | 3s22 | 21n14 | 0s47 | 22n57 | 0s27 | 16n51 | 1n 5 | 13n24 | 0n43 | 2n 9 | 1n30 | 1s44 | 15s49 | 9n51 | 10n 5 | 16s19 | 17s35 | 5n58 |
| S 2 | 5 58 | 18 54 | 4 23 | 12 17 | 1 46 | 17 6 | 3 15 | 21 19 | 0 46 | 22 57 | 0 26 | 16 49 | 1 5 | 13 23 | 0 43 | 2 8 | 1 30 | 1 45 | 15 49 | 9 50 | 10 6 | 16 20 | 17 35 | 5 58 |
| M 3 | 5 36 | 18 18 | 3 39 | 11 40 | 1 49 | 17 3 | 3 8 | 21 24 | 0 44 | 22 57 | 0 26 | 16 47 | 1 5 | 13 22 | 0 43 | 2 7 | 1 30 | 1 45 | 15 49 | 9 50 | 10 7 | 16 21 | 17 35 | 5 57 |
| T 4 | 5 13 | 16 48 | 2 45 | 11 1 | 1 50 | 16 59 | 3 1 | 21 30 | 0 43 | 22 58 | 0 26 | 16 45 | 1 5 | 13 21 | 0 43 | 2 7 | 1 30 | 1 45 | 15 50 | 9 50 | 10 8 | 16 22 | 17 36 | 5 57 |
| W 5 | 4 50 | 14 26 | 1 40 | 10 21 | 1 51 | 16 55 | 2 54 | 21 35 | 0 42 | 22 58 | 0 26 | 16 43 | 1 6 | 13 20 | 0 43 | 2 6 | 1 30 | 1 46 | 15 50 | 9 49 | 10 9 | 16 23 | 17 36 | 5 56 |
| T 6 | 4 27 | 11 15 | 0 29 | 9 39 | 1 51 | 16 50 | 2 47 | 21 40 | 0 41 | 22 58 | 0 26 | 16 41 | 1 6 | 13 18 | 0 43 | 2 5 | 1 30 | 1 46 | 15 50 | 9 49 | 10 10 | 16 25 | 17 37 | 5 56 |
| F 7 | 4 3 | 7 24 | 0s46 | 8 56 | 1 50 | 16 44 | 2 40 | 21 44 | 0 39 | 22 59 | 0 26 | 16 39 | 1 6 | 13 17 | 0 43 | 2 4 | 1 30 | 1 47 | 15 50 | 9 49 | 10 12 | 16 26 | 17 37 | 5 56 |
| S 8 | 3 40 | 3 4 | 1 59 | 8 13 | 1 49 | 16 39 | 2 33 | 21 49 | 0 38 | 22 59 | 0 26 | 16 37 | 1 6 | 13 16 | 0 43 | 2 3 | 1 30 | 1 47 | 15 50 | 9 49 | 10 13 | 16 27 | 17 38 | 5 55 |
| S 9 | 3 17 | 1n30 | 3 7 | 7 28 | 1 47 | 16 32 | 2 26 | 21 54 | 0 36 | 22 59 | 0 26 | 16 35 | 1 6 | 13 15 | 0 43 | 2 2 | 1 30 | 1 48 | 15 51 | 9 50 | 10 14 | 16 28 | 17 38 | 5 55 |
| M10 | 2 54 | 6 3 | 4 4 | 6 43 | 1 45 | 16 26 | 2 19 | 21 58 | 0 35 | 22 59 | 0 26 | 16 33 | 1 6 | 13 14 | 0 43 | 2 1 | 1 30 | 1 48 | 15 51 | 9 51 | 10 15 | 16 29 | 17 39 | 5 54 |
| T 11 | 2 30 | 10 16 | 4 46 | 5 58 | 1 42 | 16 18 | 2 12 | 22 3 | 0 34 | 23 0 | 0 26 | 16 31 | 1 6 | 13 12 | 0 43 | 2 0 | 1 30 | 1 49 | 15 51 | 9 52 | 10 16 | 16 30 | 17 39 | 5 54 |
| W12 | 2 7 | 13 54 | 5 10 | 5 11 | 1 38 | 16 11 | 2 5 | 22 7 | 0 32 | 23 0 | 0 26 | 16 29 | 1 7 | 13 11 | 0 43 | 1 59 | 1 30 | 1 49 | 15 51 | 9 53 | 10 17 | 16 31 | 17 39 | 5 53 |
| T 13 | 1 43 | 16 40 | 5 14 | 4 25 | 1 34 | 16 2 | 1 59 | 22 11 | 0 31 | 23 0 | 0 26 | 16 28 | 1 7 | 13 10 | 0 43 | 1 59 | 1 30 | 1 49 | 15 51 | 9 53 | 10 18 | 16 33 | 17 40 | 5 53 |
| F 14 | 1 20 | 18 23 | 4 59 | 3 39 | 1 30 | 15 54 | 1 52 | 22 15 | 0 29 | 23 0 | 0 26 | 16 26 | 1 7 | 13 9 | 0 43 | 1 58 | 1 30 | 1 50 | 15 52 | 9 54 | 10 20 | 16 34 | 17 40 | 5 53 |
| S 15 | 0 56 | 18 56 | 4 26 | 2 52 | 1 26 | 15 44 | 1 45 | 22 19 | 0 28 | 23 1 | 0 26 | 16 24 | 1 7 | 13 8 | 0 43 | 1 57 | 1 30 | 1 50 | 15 52 | 9 53 | 10 21 | 16 35 | 17 41 | 5 52 |
| S 16 | 0 32 | 18 20 | 3 38 | 2 5 | 1 21 | 15 34 | 1 39 | 22 23 | 0 26 | 23 1 | 0 26 | 16 22 | 1 7 | 13 7 | 0 43 | 1 56 | 1 30 | 1 51 | 15 52 | 9 53 | 10 22 | 16 36 | 17 41 | 5 52 |
| M17 | 0 9 | 16 40 | 2 38 | 1 18 | 1 15 | 15 24 | 1 32 | 22 27 | 0 24 | 23 1 | 0 26 | 16 20 | 1 7 | 13 5 | 0 43 | 1 55 | 1 30 | 1 51 | 15 52 | 9 53 | 10 23 | 16 37 | 17 42 | 5 51 |
| T 18 | 0s15 | 14 4 | 1 30 | 0 32 | 1 10 | 15 13 | 1 26 | 22 31 | 0 23 | 23 1 | 0 26 | 16 18 | 1 7 | 13 4 | 0 43 | 1 54 | 1 30 | 1 52 | 15 52 | 9 52 | 10 24 | 16 38 | 17 42 | 5 51 |
| W19 | 0 39 | 10 46 | 0 18 | 0s15 | 1 4 | 15 2 | 1 20 | 22 35 | 0 21 | 23 1 | 0 26 | 16 16 | 1 8 | 13 3 | 0 43 | 1 53 | 1 30 | 1 52 | 15 52 | 9 52 | 10 25 | 16 39 | 17 42 | 5 50 |
| T 20 | 1 2 | 6 59 | 0n54 | 1 1 | 0 59 | 14 50 | 1 13 | 22 39 | 0 20 | 23 1 | 0 26 | 16 14 | 1 8 | 13 2 | 0 43 | 1 52 | 1 30 | 1 52 | 15 53 | 9 52 | 10 27 | 16 40 | 17 43 | 5 50 |
| F 21 | 1 26 | 2 55 | 2 1 | 1 48 | 0 53 | 14 38 | 1 7 | 22 42 | 0 18 | 23 2 | 0 26 | 16 13 | 1 8 | 13 1 | 0 43 | 1 52 | 1 30 | 1 53 | 15 53 | 9 52 | 10 28 | 16 42 | 17 43 | 5 50 |
| S 22 | 1 50 | 1s12 | 3 2 | 2 33 | 0 46 | 14 25 | 1 1 | 22 46 | 0 16 | 23 2 | 0 26 | 16 11 | 1 8 | 13 0 | 0 43 | 1 51 | 1 30 | 1 53 | 15 53 | 9 54 | 10 29 | 16 43 | 17 44 | 5 49 |
| S 23 | 2 13 | 5 12 | 3 52 | 3 19 | 0 40 | 14 12 | 0 55 | 22 49 | 0 14 | 23 2 | 0 26 | 16 9 | 1 8 | 12 59 | 0 43 | 1 50 | 1 30 | 1 54 | 15 53 | 9 55 | 10 30 | 16 44 | 17 44 | 5 49 |
| M24 | 2 37 | 8 55 | 4 31 | 4 4 | 0 34 | 13 59 | 0 49 | 22 52 | 0 13 | 23 2 | 0 26 | 16 7 | 1 8 | 12 58 | 0 43 | 1 49 | 1 30 | 1 54 | 15 53 | 9 58 | 10 31 | 16 45 | 17 45 | 5 48 |
| T 25 | 3 1 | 12 13 | 4 57 | 4 49 | 0 27 | 13 44 | 0 43 | 22 56 | 0 11 | 23 2 | 0 26 | 16 6 | 1 9 | 12 57 | 0 43 | 1 48 | 1 30 | 1 55 | 15 53 | 10 0 | 10 32 | 16 46 | 17 45 | 5 48 |
| W26 | 3 24 | 14 58 | 5 10 | 5 34 | 0 20 | 13 30 | 0 38 | 22 59 | 0 9 | 23 2 | 0 26 | 16 4 | 1 9 | 12 56 | 0 43 | 1 47 | 1 30 | 1 55 | 15 53 | 10 2 | 10 33 | 16 47 | 17 45 | 5 48 |
| T 27 | 3 48 | 17 4 | 5 9 | 6 18 | 0 14 | 13 15 | 0 32 | 23 2 | 0 7 | 23 2 | 0 26 | 16 2 | 1 9 | 12 55 | 0 43 | 1 46 | 1 30 | 1 56 | 15 54 | 10 4 | 10 35 | 16 48 | 17 46 | 5 47 |
| F 28 | 4 11 | 18 26 | 4 55 | 7 1 | 0 7 | 12 59 | 0 26 | 23 5 | 0 5 | 23 3 | 0 26 | 16 1 | 1 9 | 12 54 | 0 43 | 1 45 | 1 30 | 1 56 | 15 54 | 10 5 | 10 36 | 16 49 | 17 46 | 5 47 |
| S 29 | 4 35 | 19 0 | 4 28 | 7 44 | 0 0 | 12 43 | 0 21 | 23 9 | 0 3 | 23 3 | 0 25 | 15 59 | 1 9 | 12 53 | 0 43 | 1 45 | 1 30 | 1 56 | 15 54 | 10 5 | 10 37 | 16 50 | 17 47 | 5 46 |
| S 30 | 4s58 | 18s44 | 3n50 | 8s27 | 0s 7 | 12n27 | 0s15 | 23n12 | 0s 1 | 23n 3 | 0s25 | 15n57 | 1n 9 | 12n52 | 0n43 | 1n44 | 1n30 | 1s57 | 15s54 | 10n 5 | 10n38 | 16s52 | 17s47 | 5n46 |

Julian Day Number = 2131476.5, Delta T = 16m30s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'22, Lahiri = 11°38'23 Julian Calendar 1 Sept. 1123 == Greg. Calendar 8 Sept. 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## OCTOBER 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 1 34 | 13♎31'02 | 28♉44 | 22♎53 | 27♌44 | 20♊53 | 25♊24 | 20♌10 | 28♌10 | 29♍ 9 | 4°R23 | 4♍ 0 | 2♍27 | 9♐11 | 29♐44 | M 1 |
| T 2 | 1 5 30 | 14°30'45 | 11♒14 | 24°28 | 28°48 | 21° 7 | 25°26 | 20°16 | 28°13 | 29°11 | 4♉22 | 4° 2 | 2°23 | 9°18 | 29°47 | T 2 |
| W 3 | 1 9 27 | 15°30'29 | 24° 6 | 26° 2 | 29°52 | 21°21 | 25°27 | 20°21 | 28°16 | 29°13 | 4°21 | 4° 3 | 2°20 | 9°24 | 29°50 | W 3 |
| T 4 | 1 13 23 | 16°30'16 | 7♓22 | 27°35 | 0♍57 | 21°35 | 25°27 | 20°27 | 28°19 | 29°15 | 4°20 | 4°R 4 | 2°17 | 9°31 | 29°52 | T 4 |
| F 5 | 1 17 20 | 17°30'04 | 21° 5 | 29° 8 | 2° 2 | 21°47 | 25°28 | 20°32 | 28°21 | 29°17 | 4°19 | 4° 2 | 2°14 | 9°38 | 29°55 | F 5 |
| S 6 | 1 21 16 | 18°29'54 | 5♈13 | 0♏40 | 3° 7 | 21°59 | 25°29 | 20°37 | 28°24 | 29°19 | 4°18 | 3°59 | 2°11 | 9°44 | 29°58 | S 6 |
| S 7 | 1 25 13 | 19°29'46 | 19°43 | 2°12 | 4°13 | 22°11 | 25°29 | 20°42 | 28°27 | 29°22 | 4°17 | 3°54 | 2° 8 | 9°51 | 0♑ 1 | S 7 |
| M 8 | 1 29 10 | 20°29'40 | 4♉29 | 3°43 | 5°19 | 22°21 | 25°R29 | 20°47 | 28°29 | 29°24 | 4°16 | 3°47 | 2° 4 | 9°58 | 0° 4 | M 8 |
| T 9 | 1 33 6 | 21°29'36 | 19°23 | 5°14 | 6°25 | 22°31 | 25°29 | 20°52 | 28°32 | 29°26 | 4°15 | 3°39 | 2° 1 | 10° 5 | 0° 8 | T 9 |
| W10 | 1 37 3 | 22°29'34 | 4♊15 | 6°44 | 7°31 | 22°41 | 25°28 | 20°57 | 28°35 | 29°28 | 4°14 | 3°32 | 1°58 | 10°11 | 0°11 | W10 |
| T 11 | 1 40 59 | 23°29'35 | 18°59 | 8°14 | 8°38 | 22°49 | 25°28 | 21° 2 | 28°37 | 29°30 | 4°13 | 3°26 | 1°55 | 10°18 | 0°14 | T 11 |
| F 12 | 1 44 56 | 24°29'38 | 3♋28 | 9°43 | 9°44 | 22°57 | 25°27 | 21° 7 | 28°40 | 29°32 | 4°12 | 3°22 | 1°52 | 10°25 | 0°18 | F 12 |
| S 13 | 1 48 52 | 25°29'42 | 17°38 | 11°12 | 10°51 | 23° 4 | 25°26 | 21°12 | 28°42 | 29°34 | 4°10 | 3°20 | 1°48 | 10°31 | 0°21 | S 13 |
| S 14 | 1 52 49 | 26°29'49 | 1♌28 | 12°40 | 11°59 | 23°11 | 25°25 | 21°16 | 28°45 | 29°36 | 4° 9 | 3°D20 | 1°45 | 10°38 | 0°25 | S 14 |
| M15 | 1 56 45 | 27°29'59 | 14°59 | 14° 8 | 13° 6 | 23°16 | 25°23 | 21°21 | 28°47 | 29°38 | 4° 8 | 3°21 | 1°42 | 10°45 | 0°28 | M15 |
| T 16 | 2 0 42 | 28°30'10 | 28°12 | 15°34 | 14°14 | 23°21 | 25°22 | 21°25 | 28°49 | 29°40 | 4° 7 | 3°R21 | 1°39 | 10°52 | 0°32 | T 16 |
| W17 | 2 4 39 | 29°30'23 | 11♍10 | 17° 1 | 15°22 | 23°25 | 25°20 | 21°29 | 28°52 | 29°42 | 4° 6 | 3°21 | 1°36 | 10°58 | 0°35 | W17 |
| T 18 | 2 8 35 | 0♏30'39 | 23°55 | 18°27 | 16°30 | 23°28 | 25°18 | 21°34 | 28°54 | 29°44 | 4° 5 | 3°19 | 1°33 | 11° 5 | 0°39 | T 18 |
| F 19 | 2 12 32 | 1°30'56 | 6♎29 | 19°52 | 17°39 | 23°31 | 25°16 | 21°38 | 28°56 | 29°46 | 4° 4 | 3°14 | 1°29 | 11°12 | 0°43 | F 19 |
| S 20 | 2 16 28 | 2°31'15 | 18°53 | 21°16 | 18°47 | 23°32 | 25°14 | 21°42 | 28°58 | 29°48 | 4° 3 | 3° 7 | 1°26 | 11°19 | 0°47 | S 20 |
| S 21 | 2 20 25 | 3°31'36 | 1♏ 9 | 22°39 | 19°56 | 23°R33 | 25°11 | 21°46 | 29° 0 | 29°50 | 4° 2 | 2°57 | 1°23 | 11°25 | 0°51 | S 21 |
| M22 | 2 24 21 | 4°31'59 | 13°17 | 24° 2 | 21° 5 | 23°33 | 25° 8 | 21°50 | 29° 2 | 29°52 | 4° 0 | 2°45 | 1°20 | 11°32 | 0°55 | M22 |
| T 23 | 2 28 18 | 5°32'24 | 25°18 | 25°24 | 22°14 | 23°32 | 25° 5 | 21°54 | 29° 4 | 29°54 | 3°59 | 2°33 | 1°17 | 11°39 | 0°59 | T 23 |
| W24 | 2 32 14 | 6°32'50 | 7♐13 | 26°45 | 23°23 | 23°30 | 25° 2 | 21°57 | 29° 6 | 29°56 | 3°58 | 2°20 | 1°13 | 11°45 | 1° 3 | W24 |
| T 25 | 2 36 11 | 7°33'18 | 19° 4 | 28° 4 | 24°33 | 23°27 | 24°59 | 22° 1 | 29° 8 | 29°58 | 3°57 | 2° 9 | 1°10 | 11°52 | 1° 7 | T 25 |
| F 26 | 2 40 8 | 8°33'47 | 0♑54 | 29°22 | 25°42 | 23°24 | 24°55 | 22° 5 | 29°10 | 29°59 | 3°56 | 2° 1 | 1° 7 | 11°59 | 1°11 | F 26 |
| S 27 | 2 44 4 | 9°34'18 | 12°46 | 0♐39 | 26°52 | 23°19 | 24°51 | 22° 8 | 29°12 | 0♎ 1 | 3°55 | 1°54 | 1° 4 | 12° 6 | 1°16 | S 27 |
| S 28 | 2 48 1 | 10°34'50 | 24°44 | 1°55 | 28° 2 | 23°14 | 24°48 | 22°11 | 29°14 | 0° 3 | 3°54 | 1°51 | 1° 1 | 12°12 | 1°20 | S 28 |
| M29 | 2 51 57 | 11°35'24 | 6♒53 | 3° 8 | 29°12 | 23° 8 | 24°43 | 22°15 | 29°16 | 0° 5 | 3°53 | 1°D50 | 0°58 | 12°19 | 1°25 | M29 |
| T 30 | 2 55 54 | 12°35'59 | 19°17 | 4°19 | 0♎22 | 23° 1 | 24°39 | 22°18 | 29°17 | 0° 7 | 3°51 | 1°50 | 0°54 | 12°26 | 1°29 | T 30 |
| W31 | 2 59 50 | 13♏36'35 | 2♓ 3 | 5♐29 | 1♎32 | 22♊53 | 24♊35 | 22♌21 | 29♌19 | 0♎ 9 | 3♉50 | 1°R50 | 0♍51 | 12♐32 | 1♑33 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s22 | 17s34 | 3n 0 | 9s 9 | 0s13 | 12n10 | 0s10 | 23n15 | 0n 1 | 23n 3 | 0s25 | 15n56 | 1n10 | 12n51 | 0n43 | 1n43 | 1n30 | 1s57 | 15s54 | 10n 5 | 10n39 | 16s53 | 17s47 | 5n46 |
| T 2 | 5 45 | 15 33 | 2 1 | 9 50 | 0 20 | 11 52 | 0 5 | 23 18 | 0 3 | 23 3 | 0 25 | 15 54 | 1 10 | 12 50 | 0 43 | 1 42 | 1 30 | 1 58 | 15 54 | 10 5 | 10 40 | 16 54 | 17 48 | 5 45 |
| W 3 | 6 8 | 12 42 | 0 54 | 10 31 | 0 27 | 11 34 | 0n 0 | 23 21 | 0 5 | 23 3 | 0 25 | 15 52 | 1 10 | 12 49 | 0 43 | 1 41 | 1 30 | 1 58 | 15 54 | 10 4 | 10 41 | 16 55 | 17 48 | 5 45 |
| T 4 | 6 31 | 9 7 | 0s18 | 11 11 | 0 34 | 11 16 | 0 5 | 23 24 | 0 7 | 23 3 | 0 25 | 15 51 | 1 10 | 12 48 | 0 43 | 1 40 | 1 30 | 1 58 | 15 54 | 10 4 | 10 43 | 16 56 | 17 49 | 5 44 |
| F 5 | 6 54 | 4 57 | 1 31 | 11 51 | 0 40 | 10 58 | 0 10 | 23 26 | 0 9 | 23 3 | 0 25 | 15 49 | 1 10 | 12 47 | 0 43 | 1 39 | 1 30 | 1 59 | 15 54 | 10 4 | 10 44 | 16 57 | 17 49 | 5 44 |
| S 6 | 7 17 | 0 22 | 2 40 | 12 30 | 0 47 | 10 39 | 0 15 | 23 29 | 0 11 | 23 3 | 0 25 | 15 48 | 1 10 | 12 46 | 0 43 | 1 39 | 1 30 | 1 59 | 15 54 | 10 6 | 10 45 | 16 58 | 17 49 | 5 44 |
| S 7 | 7 40 | 4n20 | 3 41 | 13 8 | 0 54 | 10 19 | 0 20 | 23 32 | 0 13 | 23 3 | 0 25 | 15 46 | 1 11 | 12 45 | 0 44 | 1 38 | 1 30 | 2 0 | 15 55 | 10 8 | 10 46 | 16 59 | 17 50 | 5 43 |
| M 8 | 8 3 | 8 52 | 4 28 | 13 46 | 1 0 | 9 59 | 0 25 | 23 35 | 0 15 | 23 3 | 0 25 | 15 45 | 1 11 | 12 44 | 0 44 | 1 37 | 1 30 | 2 0 | 15 55 | 10 10 | 10 47 | 17 0 | 17 50 | 5 43 |
| T 9 | 8 25 | 12 53 | 4 58 | 14 23 | 1 7 | 9 39 | 0 29 | 23 38 | 0 17 | 23 3 | 0 25 | 15 44 | 1 11 | 12 43 | 0 44 | 1 36 | 1 30 | 2 1 | 15 55 | 10 13 | 10 48 | 17 1 | 17 51 | 5 43 |
| W10 | 8 48 | 16 4 | 5 7 | 14 59 | 1 13 | 9 19 | 0 34 | 23 40 | 0 20 | 23 3 | 0 25 | 15 42 | 1 11 | 12 42 | 0 44 | 1 35 | 1 30 | 2 1 | 15 55 | 10 15 | 10 49 | 17 2 | 17 51 | 5 42 |
| T 11 | 9 10 | 18 11 | 4 56 | 15 34 | 1 19 | 8 58 | 0 38 | 23 43 | 0 22 | 23 3 | 0 25 | 15 41 | 1 11 | 12 41 | 0 44 | 1 34 | 1 30 | 2 1 | 15 55 | 10 18 | 10 51 | 17 4 | 17 51 | 5 42 |
| F 12 | 9 32 | 19 4 | 4 26 | 16 9 | 1 26 | 8 36 | 0 42 | 23 46 | 0 24 | 23 4 | 0 25 | 15 39 | 1 12 | 12 41 | 0 44 | 1 34 | 1 30 | 2 2 | 15 55 | 10 19 | 10 52 | 17 5 | 17 52 | 5 41 |
| S 13 | 9 54 | 18 44 | 3 40 | 16 43 | 1 32 | 8 15 | 0 46 | 23 49 | 0 27 | 23 4 | 0 25 | 15 38 | 1 12 | 12 40 | 0 44 | 1 33 | 1 30 | 2 2 | 15 55 | 10 20 | 10 53 | 17 6 | 17 52 | 5 41 |
| S 14 | 10 16 | 17 17 | 2 43 | 17 15 | 1 37 | 7 53 | 0 50 | 23 51 | 0 29 | 23 4 | 0 25 | 15 37 | 1 12 | 12 39 | 0 44 | 1 32 | 1 30 | 2 2 | 15 55 | 10 20 | 10 54 | 17 7 | 17 52 | 5 41 |
| M15 | 10 38 | 14 52 | 1 37 | 17 48 | 1 43 | 7 30 | 0 54 | 23 54 | 0 31 | 23 4 | 0 25 | 15 35 | 1 12 | 12 38 | 0 44 | 1 31 | 1 30 | 2 3 | 15 55 | 10 20 | 10 55 | 17 8 | 17 53 | 5 40 |
| T 16 | 11 0 | 11 43 | 0 28 | 18 19 | 1 49 | 7 8 | 0 58 | 23 57 | 0 34 | 23 4 | 0 25 | 15 34 | 1 12 | 12 37 | 0 44 | 1 31 | 1 30 | 2 3 | 15 55 | 10 19 | 10 56 | 17 9 | 17 53 | 5 40 |
| W17 | 11 21 | 8 3 | 0n42 | 18 49 | 1 54 | 6 45 | 1 2 | 24 0 | 0 36 | 23 4 | 0 25 | 15 33 | 1 13 | 12 37 | 0 44 | 1 30 | 1 30 | 2 4 | 15 55 | 10 19 | 10 57 | 17 10 | 17 53 | 5 40 |
| T 18 | 11 42 | 4 4 | 1 48 | 19 18 | 1 59 | 6 21 | 1 6 | 24 2 | 0 39 | 23 4 | 0 24 | 15 32 | 1 13 | 12 36 | 0 44 | 1 29 | 1 30 | 2 4 | 15 55 | 10 20 | 10 59 | 17 11 | 17 54 | 5 39 |
| F 19 | 12 3 | 0s 2 | 2 47 | 19 46 | 2 4 | 5 58 | 1 9 | 24 5 | 0 41 | 23 4 | 0 24 | 15 31 | 1 13 | 12 35 | 0 44 | 1 28 | 1 30 | 2 4 | 15 55 | 10 22 | 11 0 | 17 12 | 17 54 | 5 39 |
| S 20 | 12 24 | 4 4 | 3 38 | 20 14 | 2 9 | 5 34 | 1 13 | 24 8 | 0 44 | 23 4 | 0 24 | 15 29 | 1 13 | 12 34 | 0 44 | 1 27 | 1 30 | 2 5 | 15 55 | 10 25 | 11 1 | 17 13 | 17 54 | 5 39 |
| S 21 | 12 45 | 7 54 | 4 18 | 20 40 | 2 13 | 5 10 | 1 16 | 24 10 | 0 47 | 23 4 | 0 24 | 15 28 | 1 13 | 12 34 | 0 44 | 1 27 | 1 30 | 2 5 | 15 55 | 10 28 | 11 2 | 17 14 | 17 54 | 5 38 |
| M22 | 13 5 | 11 21 | 4 46 | 21 5 | 2 17 | 4 46 | 1 19 | 24 13 | 0 49 | 23 3 | 0 24 | 15 27 | 1 14 | 12 33 | 0 44 | 1 26 | 1 30 | 2 5 | 15 55 | 10 32 | 11 3 | 17 15 | 17 55 | 5 38 |
| T 23 | 13 26 | 14 19 | 5 0 | 21 29 | 2 21 | 4 21 | 1 22 | 24 15 | 0 52 | 23 3 | 0 24 | 15 26 | 1 14 | 12 32 | 0 44 | 1 25 | 1 30 | 2 6 | 15 55 | 10 37 | 11 4 | 17 16 | 17 55 | 5 38 |
| W24 | 13 46 | 16 40 | 5 1 | 21 51 | 2 24 | 3 56 | 1 25 | 24 18 | 0 55 | 23 3 | 0 24 | 15 25 | 1 14 | 12 32 | 0 44 | 1 25 | 1 30 | 2 6 | 15 55 | 10 41 | 11 5 | 17 17 | 17 55 | 5 37 |
| T 25 | 14 6 | 18 17 | 4 50 | 22 13 | 2 27 | 3 31 | 1 28 | 24 21 | 0 57 | 23 3 | 0 24 | 15 24 | 1 14 | 12 31 | 0 44 | 1 24 | 1 30 | 2 6 | 15 55 | 10 45 | 11 6 | 17 18 | 17 56 | 5 37 |
| F 26 | 14 25 | 19 7 | 4 25 | 22 33 | 2 30 | 3 6 | 1 31 | 24 23 | 1 0 | 23 3 | 0 24 | 15 23 | 1 14 | 12 30 | 0 44 | 1 23 | 1 31 | 2 7 | 15 55 | 10 48 | 11 8 | 17 19 | 17 56 | 5 37 |
| S 27 | 14 45 | 19 7 | 3 50 | 22 52 | 2 32 | 2 41 | 1 33 | 24 26 | 1 3 | 23 3 | 0 24 | 15 22 | 1 15 | 12 30 | 0 44 | 1 22 | 1 31 | 2 7 | 15 55 | 10 51 | 11 9 | 17 20 | 17 56 | 5 37 |
| S 28 | 15 4 | 18 16 | 3 4 | 23 9 | 2 34 | 2 15 | 1 36 | 24 28 | 1 6 | 23 3 | 0 24 | 15 21 | 1 15 | 12 29 | 0 44 | 1 22 | 1 31 | 2 7 | 15 55 | 10 52 | 11 10 | 17 21 | 17 56 | 5 36 |
| M29 | 15 23 | 16 34 | 2 8 | 23 25 | 2 35 | 1 49 | 1 38 | 24 31 | 1 9 | 23 3 | 0 24 | 15 21 | 1 15 | 12 29 | 0 44 | 1 21 | 1 31 | 2 8 | 15 54 | 10 52 | 11 11 | 17 22 | 17 57 | 5 36 |
| T 30 | 15 41 | 14 4 | 1 6 | 23 40 | 2 36 | 1 24 | 1 41 | 24 33 | 1 11 | 23 3 | 0 24 | 15 20 | 1 15 | 12 28 | 0 44 | 1 20 | 1 31 | 2 8 | 15 54 | 10 52 | 11 12 | 17 23 | 17 57 | 5 36 |
| W31 | 16s 0 | 10s49 | 0s 1 | 23s52 | 2s36 | 0n57 | 1n43 | 24n36 | 1n14 | 23n 3 | 0s24 | 15n19 | 1n15 | 12n28 | 0n44 | 1n20 | 1n31 | 2s 8 | 15s54 | 10n52 | 11n13 | 17s24 | 17s57 | 5n36 |

Julian Day Number = 2131506.5, Delta T = 16m30s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'27, Lahiri = 11°38'27 Julian Calendar 1 Oct. 1123 == Greg. Calendar 8 Oct. 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## NOVEMBER 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 3 47 | 14♏37'12 | 15♓14 | 6♐35 | 2♎43 | 22°R44 | 24°R30 | 22♌24 | 29♌20 | 0♎10 | 3°R49 | 1°R49 | 0♍48 | 12♐39 | 1♑38 | T 1 |
| F 2 | 3 7 43 | 15°37'50 | 28°55 | 7°39 | 3°53 | 22♊34 | 24♊25 | 22°26 | 29°22 | 0°12 | 3♉48 | 1♍47 | 0°45 | 12°46 | 1°43 | F 2 |
| S 3 | 3 11 40 | 16°38'30 | 13♈ 5 | 8°39 | 5° 4 | 22°24 | 24°20 | 22°29 | 29°23 | 0°14 | 3°47 | 1°41 | 0°42 | 12°53 | 1°47 | S 3 |
| S 4 | 3 15 37 | 17°39'11 | 27°43 | 9°35 | 6°15 | 22°12 | 24°15 | 22°32 | 29°25 | 0°15 | 3°46 | 1°33 | 0°39 | 12°59 | 1°52 | S 4 |
| M 5 | 3 19 33 | 18°39'53 | 12♉44 | 10°27 | 7°26 | 22° 0 | 24°10 | 22°34 | 29°26 | 0°17 | 3°45 | 1°23 | 0°35 | 13° 6 | 1°57 | M 5 |
| T 6 | 3 23 30 | 19°40'36 | 27°58 | 11°14 | 8°37 | 21°47 | 24° 4 | 22°37 | 29°27 | 0°19 | 3°44 | 1°12 | 0°32 | 13°13 | 2° 2 | T 6 |
| W 7 | 3 27 26 | 20°41'21 | 13♊14 | 11°55 | 9°48 | 21°33 | 23°59 | 22°39 | 29°29 | 0°20 | 3°43 | 1° 1 | 0°29 | 13°19 | 2° 6 | W 7 |
| T 8 | 3 31 23 | 21°42'08 | 28°21 | 12°31 | 11° 0 | 21°19 | 23°53 | 22°41 | 29°30 | 0°22 | 3°42 | 0°51 | 0°26 | 13°26 | 2°11 | T 8 |
| F 9 | 3 35 19 | 22°42'56 | 13♋ 9 | 12°59 | 12°11 | 21° 3 | 23°47 | 22°43 | 29°31 | 0°23 | 3°41 | 0°44 | 0°23 | 13°33 | 2°16 | F 9 |
| S 10 | 3 39 16 | 23°43'45 | 27°34 | 13°19 | 13°23 | 20°47 | 23°41 | 22°45 | 29°32 | 0°25 | 3°39 | 0°39 | 0°19 | 13°40 | 2°21 | S 10 |
| S 11 | 3 43 12 | 24°44'36 | 11♌32 | 13°31 | 14°35 | 20°30 | 23°35 | 22°47 | 29°33 | 0°26 | 3°38 | 0°37 | 0°16 | 13°46 | 2°26 | S 11 |
| M12 | 3 47 9 | 25°45'29 | 25° 4 | 13°R33 | 15°46 | 20°13 | 23°28 | 22°49 | 29°34 | 0°28 | 3°37 | 0°37 | 0°13 | 13°53 | 2°31 | M12 |
| T 13 | 3 51 6 | 26°46'23 | 8♍12 | 13°25 | 16°58 | 19°55 | 23°22 | 22°51 | 29°35 | 0°29 | 3°36 | 0°37 | 0°10 | 14° 0 | 2°36 | T 13 |
| W14 | 3 55 2 | 27°47'18 | 21° 1 | 13° 6 | 18°10 | 19°36 | 23°15 | 22°52 | 29°36 | 0°31 | 3°35 | 0°36 | 0° 7 | 14° 7 | 2°41 | W14 |
| T 15 | 3 58 59 | 28°48'14 | 3♎34 | 12°36 | 19°23 | 19°16 | 23° 8 | 22°54 | 29°37 | 0°32 | 3°34 | 0°33 | 0° 4 | 14°13 | 2°47 | T 15 |
| F 16 | 4 2 55 | 29°49'12 | 15°54 | 11°55 | 20°35 | 18°56 | 23° 2 | 22°55 | 29°38 | 0°33 | 3°33 | 0°27 | 0° 0 | 14°20 | 2°52 | F 16 |
| S 17 | 4 6 52 | 0♐50'11 | 28° 5 | 11° 3 | 21°47 | 18°35 | 22°55 | 22°57 | 29°38 | 0°35 | 3°32 | 0°17 | 29♌57 | 14°27 | 2°57 | S 17 |
| S 18 | 4 10 48 | 1°51'12 | 10♏ 9 | 10° 1 | 22°59 | 18°14 | 22°47 | 22°58 | 29°39 | 0°36 | 3°31 | 0° 5 | 29°54 | 14°33 | 3° 2 | S 18 |
| M19 | 4 14 45 | 2°52'13 | 22° 8 | 8°51 | 24°12 | 17°53 | 22°40 | 22°59 | 29°40 | 0°37 | 3°30 | 29♌51 | 29°51 | 14°40 | 3° 8 | M19 |
| T 20 | 4 18 41 | 3°53'15 | 4♐ 3 | 7°33 | 25°24 | 17°30 | 22°33 | 23° 0 | 29°40 | 0°38 | 3°29 | 29°36 | 29°48 | 14°47 | 3°13 | T 20 |
| W21 | 4 22 38 | 4°54'19 | 15°56 | 6°12 | 26°37 | 17° 8 | 22°25 | 23° 0 | 29°41 | 0°40 | 3°28 | 29°20 | 29°45 | 14°54 | 3°18 | W21 |
| T 22 | 4 26 35 | 5°55'23 | 27°47 | 4°49 | 27°50 | 16°45 | 22°18 | 23° 1 | 29°41 | 0°41 | 3°28 | 29° 7 | 29°41 | 15° 0 | 3°24 | T 22 |
| F 23 | 4 30 31 | 6°56'27 | 9♑38 | 3°27 | 29° 3 | 16°22 | 22°10 | 23° 2 | 29°41 | 0°42 | 3°27 | 28°56 | 29°38 | 15° 7 | 3°29 | F 23 |
| S 24 | 4 34 28 | 7°57'33 | 21°32 | 2° 9 | 0♏15 | 15°59 | 22° 3 | 23° 2 | 29°42 | 0°43 | 3°26 | 28°47 | 29°35 | 15°14 | 3°35 | S 24 |
| S 25 | 4 38 24 | 8°58'39 | 3♒31 | 0°58 | 1°28 | 15°35 | 21°55 | 23° 3 | 29°42 | 0°44 | 3°25 | 28°42 | 29°32 | 15°20 | 3°40 | S 25 |
| M26 | 4 42 21 | 9°59'45 | 15°39 | 29♏55 | 2°41 | 15°12 | 21°47 | 23° 3 | 29°42 | 0°45 | 3°24 | 28°40 | 29°29 | 15°27 | 3°46 | M26 |
| T 27 | 4 46 17 | 11° 0'52 | 28° 1 | 29° 2 | 3°54 | 14°48 | 21°39 | 23° 3 | 29°42 | 0°46 | 3°23 | 28°D39 | 29°25 | 15°34 | 3°51 | T 27 |
| W28 | 4 50 14 | 12° 1'59 | 10♓41 | 28°19 | 5° 8 | 14°24 | 21°31 | 23°R 3 | 29°43 | 0°47 | 3°22 | 28°R39 | 29°22 | 15°41 | 3°57 | W28 |
| T 29 | 4 54 10 | 13° 3'07 | 23°44 | 27°48 | 6°21 | 14° 1 | 21°23 | 23° 3 | 29°R43 | 0°48 | 3°21 | 28°39 | 29°19 | 15°47 | 4° 2 | T 29 |
| F 30 | 4 58 7 | 14♐ 4'15 | 7♈15 | 27♏27 | 7♏34 | 13♊37 | 21♊15 | 23♌ 3 | 29♌43 | 0♎49 | 3♉21 | 28♌37 | 29♌16 | 15♐54 | 4♑ 8 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s18 | 6s56 | 1s11 | 24s 4 | 2s35 | 0n31 | 1n45 | 24n38 | 1n17 | 23n 3 | 0s23 | 15n18 | 1n16 | 12n27 | 0n44 | 1n19 | 1n31 | 2s 8 | 15s54 | 10n53 | 11n14 | 17s25 | 17s57 | 5n35 |
| F 2 | 16 36 | 2 33 | 2 18 | 24 13 | 2 34 | 0 5 | 1 47 | 24 40 | 1 20 | 23 3 | 0 23 | 15 18 | 1 16 | 12 27 | 0 45 | 1 18 | 1 31 | 2 9 | 15 54 | 10 54 | 11 16 | 17 26 | 17 57 | 5 35 |
| S 3 | 16 53 | 2n 7 | 3 20 | 24 21 | 2 32 | 0s22 | 1 49 | 24 43 | 1 23 | 23 2 | 0 23 | 15 17 | 1 16 | 12 26 | 0 45 | 1 18 | 1 31 | 2 9 | 15 54 | 10 55 | 11 17 | 17 27 | 17 58 | 5 35 |
| S 4 | 17 11 | 6 49 | 4 10 | 24 27 | 2 29 | 0 48 | 1 51 | 24 45 | 1 26 | 23 2 | 0 23 | 15 16 | 1 16 | 12 26 | 0 45 | 1 17 | 1 31 | 2 9 | 15 54 | 10 58 | 11 18 | 17 28 | 17 58 | 5 34 |
| M 5 | 17 28 | 11 12 | 4 45 | 24 31 | 2 26 | 1 15 | 1 52 | 24 47 | 1 29 | 23 2 | 0 23 | 15 16 | 1 17 | 12 25 | 0 45 | 1 17 | 1 31 | 2 9 | 15 54 | 11 2 | 11 19 | 17 29 | 17 58 | 5 34 |
| T 6 | 17 44 | 14 55 | 5 0 | 24 33 | 2 21 | 1 41 | 1 54 | 24 49 | 1 32 | 23 2 | 0 23 | 15 15 | 1 17 | 12 25 | 0 45 | 1 16 | 1 31 | 2 10 | 15 54 | 11 6 | 11 20 | 17 30 | 17 58 | 5 34 |
| W 7 | 18 0 | 17 38 | 4 54 | 24 33 | 2 15 | 2 8 | 1 55 | 24 51 | 1 34 | 23 2 | 0 23 | 15 14 | 1 17 | 12 24 | 0 45 | 1 15 | 1 31 | 2 10 | 15 54 | 11 10 | 11 21 | 17 31 | 17 58 | 5 34 |
| T 8 | 18 16 | 19 5 | 4 27 | 24 31 | 2 8 | 2 35 | 1 57 | 24 53 | 1 37 | 23 2 | 0 23 | 15 14 | 1 17 | 12 24 | 0 45 | 1 15 | 1 31 | 2 10 | 15 54 | 11 13 | 11 22 | 17 32 | 17 58 | 5 34 |
| F 9 | 18 32 | 19 12 | 3 43 | 24 26 | 2 0 | 3 2 | 1 58 | 24 55 | 1 40 | 23 2 | 0 23 | 15 13 | 1 17 | 12 24 | 0 45 | 1 14 | 1 31 | 2 10 | 15 53 | 11 16 | 11 23 | 17 33 | 17 59 | 5 33 |
| S 10 | 18 48 | 18 3 | 2 45 | 24 19 | 1 50 | 3 29 | 1 59 | 24 57 | 1 43 | 23 1 | 0 23 | 15 13 | 1 18 | 12 23 | 0 45 | 1 14 | 1 31 | 2 11 | 15 53 | 11 18 | 11 25 | 17 34 | 17 59 | 5 33 |
| S 11 | 19 3 | 15 49 | 1 39 | 24 10 | 1 39 | 3 56 | 2 0 | 24 58 | 1 46 | 23 1 | 0 23 | 15 12 | 1 18 | 12 23 | 0 45 | 1 13 | 1 31 | 2 11 | 15 53 | 11 18 | 11 26 | 17 35 | 17 59 | 5 33 |
| M12 | 19 17 | 12 46 | 0 29 | 23 58 | 1 26 | 4 23 | 2 1 | 25 0 | 1 49 | 23 1 | 0 22 | 15 12 | 1 18 | 12 23 | 0 45 | 1 13 | 1 31 | 2 11 | 15 53 | 11 18 | 11 27 | 17 36 | 17 59 | 5 33 |
| T 13 | 19 32 | 9 9 | 0n40 | 23 43 | 1 12 | 4 49 | 2 2 | 25 1 | 1 52 | 23 1 | 0 22 | 15 12 | 1 18 | 12 22 | 0 45 | 1 12 | 1 31 | 2 11 | 15 53 | 11 18 | 11 28 | 17 37 | 17 59 | 5 33 |
| W14 | 19 46 | 5 12 | 1 46 | 23 25 | 0 57 | 5 16 | 2 3 | 25 3 | 1 55 | 23 1 | 0 22 | 15 11 | 1 19 | 12 22 | 0 45 | 1 11 | 1 31 | 2 11 | 15 53 | 11 19 | 11 29 | 17 38 | 17 59 | 5 32 |
| T 15 | 19 59 | 1 5 | 2 44 | 23 4 | 0 40 | 5 43 | 2 3 | 25 4 | 1 58 | 23 0 | 0 22 | 15 11 | 1 19 | 12 22 | 0 45 | 1 11 | 1 31 | 2 11 | 15 53 | 11 20 | 11 30 | 17 39 | 17 59 | 5 32 |
| F 16 | 20 12 | 2s59 | 3 35 | 22 41 | 0 22 | 6 10 | 2 4 | 25 5 | 2 0 | 23 0 | 0 22 | 15 11 | 1 19 | 12 22 | 0 45 | 1 10 | 1 31 | 2 12 | 15 52 | 11 22 | 11 31 | 17 40 | 17 59 | 5 32 |
| S 17 | 20 25 | 6 53 | 4 14 | 22 15 | 0 3 | 6 37 | 2 4 | 25 6 | 2 3 | 23 0 | 0 22 | 15 11 | 1 19 | 12 21 | 0 45 | 1 10 | 1 31 | 2 12 | 15 52 | 11 25 | 11 32 | 17 41 | 17 59 | 5 32 |
| S 18 | 20 38 | 10 28 | 4 42 | 21 46 | 0n18 | 7 3 | 2 4 | 25 7 | 2 6 | 22 59 | 0 22 | 15 11 | 1 19 | 12 21 | 0 45 | 1 10 | 1 32 | 2 12 | 15 52 | 11 30 | 11 34 | 17 42 | 17 59 | 5 32 |
| M19 | 20 50 | 13 37 | 4 57 | 21 15 | 0 38 | 7 30 | 2 5 | 25 8 | 2 8 | 22 59 | 0 22 | 15 10 | 1 20 | 12 21 | 0 45 | 1 9 | 1 32 | 2 12 | 15 52 | 11 35 | 11 35 | 17 43 | 17 59 | 5 31 |
| T 20 | 21 1 | 16 10 | 4 58 | 20 43 | 0 58 | 7 56 | 2 5 | 25 8 | 2 11 | 22 59 | 0 22 | 15 10 | 1 20 | 12 21 | 0 45 | 1 9 | 1 32 | 2 12 | 15 52 | 11 40 | 11 36 | 17 44 | 17 59 | 5 31 |
| W21 | 21 13 | 18 3 | 4 47 | 20 10 | 1 18 | 8 23 | 2 5 | 25 8 | 2 14 | 22 59 | 0 21 | 15 10 | 1 20 | 12 21 | 0 45 | 1 8 | 1 32 | 2 12 | 15 51 | 11 45 | 11 37 | 17 45 | 17 59 | 5 31 |
| T 22 | 21 24 | 19 9 | 4 23 | 19 37 | 1 37 | 8 49 | 2 5 | 25 9 | 2 16 | 22 58 | 0 21 | 15 10 | 1 20 | 12 21 | 0 45 | 1 8 | 1 32 | 2 12 | 15 51 | 11 50 | 11 38 | 17 46 | 17 59 | 5 31 |
| F 23 | 21 34 | 19 24 | 3 48 | 19 5 | 1 54 | 9 15 | 2 4 | 25 9 | 2 19 | 22 58 | 0 21 | 15 10 | 1 21 | 12 21 | 0 45 | 1 7 | 1 32 | 2 13 | 15 51 | 11 54 | 11 39 | 17 47 | 17 59 | 5 31 |
| S 24 | 21 44 | 18 49 | 3 3 | 18 35 | 2 9 | 9 41 | 2 4 | 25 9 | 2 21 | 22 58 | 0 21 | 15 10 | 1 21 | 12 20 | 0 46 | 1 7 | 1 32 | 2 13 | 15 51 | 11 57 | 11 40 | 17 48 | 17 59 | 5 31 |
| S 25 | 21 54 | 17 22 | 2 9 | 18 8 | 2 22 | 10 6 | 2 4 | 25 9 | 2 23 | 22 57 | 0 21 | 15 10 | 1 21 | 12 20 | 0 46 | 1 7 | 1 32 | 2 13 | 15 51 | 11 59 | 11 41 | 17 49 | 17 59 | 5 31 |
| M26 | 22 3 | 15 8 | 1 8 | 17 44 | 2 33 | 10 32 | 2 3 | 25 8 | 2 26 | 22 57 | 0 21 | 15 11 | 1 21 | 12 20 | 0 46 | 1 6 | 1 32 | 2 13 | 15 50 | 12 0 | 11 42 | 17 50 | 17 59 | 5 31 |
| T 27 | 22 12 | 12 10 | 0 3 | 17 24 | 2 42 | 10 57 | 2 3 | 25 8 | 2 28 | 22 57 | 0 21 | 15 11 | 1 21 | 12 20 | 0 46 | 1 6 | 1 32 | 2 13 | 15 50 | 12 0 | 11 44 | 17 51 | 17 59 | 5 30 |
| W28 | 22 20 | 8 34 | 1s 3 | 17 9 | 2 48 | 11 22 | 2 2 | 25 7 | 2 30 | 22 56 | 0 21 | 15 11 | 1 22 | 12 20 | 0 46 | 1 6 | 1 32 | 2 13 | 15 50 | 12 0 | 11 45 | 17 52 | 17 59 | 5 30 |
| T 29 | 22 28 | 4 28 | 2 9 | 16 58 | 2 52 | 11 47 | 2 1 | 25 6 | 2 32 | 22 56 | 0 20 | 15 11 | 1 22 | 12 20 | 0 46 | 1 5 | 1 32 | 2 13 | 15 50 | 12 0 | 11 46 | 17 53 | 17 59 | 5 30 |
| F 30 | 22s36 | 0s 1 | 3s 9 | 16s51 | 2n55 | 12s12 | 2n 1 | 25n 5 | 2n34 | 22n55 | 0s20 | 15n12 | 1n22 | 12n20 | 0n46 | 1n 5 | 1n32 | 2s13 | 15s49 | 12n 1 | 11n47 | 17s54 | 17s59 | 5n30 |

Julian Day Number = 2131537.5, Delta T = 16m30s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'31, Lahiri = 11°38'31 Julian Calendar 1 Nov. 1123 == Greg. Calendar 8 Nov. 1123


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# ASTRODIENST EPHEMERIS for the year 1123
# geocentric

## DECEMBER 1123 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 2 4 | 15♐ 5'23 | 21♈15 | 27°D18 | 8♏47 | 13°R14 | 21°R 7 | 23°R 2 | 29°R42 | 0♎50 | 3°R20 | 28°R32 | 29♌13 | 16♐ 1 | 4♑14 | S 1 |
| S 2 | 5 6 0 | 16° 6'31 | 5♉45 | 27♏18 | 10° 0 | 12♊50 | 20♊59 | 23♌ 2 | 29♌42 | 0°51 | 3♉19 | 28♌25 | 29°10 | 16° 7 | 4°19 | S 2 |
| M 3 | 5 9 57 | 17° 7'39 | 20°41 | 27°27 | 11°14 | 12°27 | 20°51 | 23° 1 | 29°42 | 0°52 | 3°18 | 28°16 | 29° 6 | 16°14 | 4°25 | M 3 |
| T 4 | 5 13 53 | 18° 8'48 | 5♊56 | 27°46 | 12°27 | 12° 4 | 20°43 | 23° 1 | 29°42 | 0°53 | 3°17 | 28° 5 | 29° 3 | 16°21 | 4°31 | T 4 |
| W 5 | 5 17 50 | 19° 9'57 | 21°18 | 28°12 | 13°41 | 11°42 | 20°35 | 23° 0 | 29°42 | 0°53 | 3°17 | 27°55 | 29° 0 | 16°28 | 4°36 | W 5 |
| T 6 | 5 21 46 | 20°11'07 | 6♋37 | 28°45 | 14°54 | 11°20 | 20°27 | 22°59 | 29°41 | 0°54 | 3°16 | 27°45 | 28°57 | 16°34 | 4°42 | T 6 |
| F 7 | 5 25 43 | 21°12'17 | 21°40 | 29°24 | 16° 8 | 10°58 | 20°19 | 22°58 | 29°41 | 0°55 | 3°15 | 27°38 | 28°54 | 16°41 | 4°48 | F 7 |
| S 8 | 5 29 39 | 22°13'27 | 6♌21 | 0♐ 9 | 17°22 | 10°37 | 20°10 | 22°57 | 29°40 | 0°56 | 3°14 | 27°34 | 28°51 | 16°48 | 4°54 | S 8 |
| S 9 | 5 33 36 | 23°14'38 | 20°32 | 0°59 | 18°35 | 10°16 | 20° 2 | 22°56 | 29°40 | 0°56 | 3°14 | 27°32 | 28°47 | 16°54 | 4°59 | S 9 |
| M10 | 5 37 33 | 24°15'49 | 4♍15 | 1°54 | 19°49 | 9°55 | 19°54 | 22°55 | 29°39 | 0°57 | 3°13 | 27°D32 | 28°44 | 17° 1 | 5° 5 | M10 |
| T 11 | 5 41 29 | 25°17'00 | 17°30 | 2°52 | 21° 3 | 9°36 | 19°46 | 22°53 | 29°39 | 0°57 | 3°12 | 27°33 | 28°41 | 17° 8 | 5°11 | T 11 |
| W12 | 5 45 26 | 26°18'12 | 0♎21 | 3°54 | 22°17 | 9°16 | 19°38 | 22°52 | 29°38 | 0°58 | 3°12 | 27°R33 | 28°38 | 17°15 | 5°17 | W12 |
| T 13 | 5 49 22 | 27°19'25 | 12°52 | 4°59 | 23°30 | 8°58 | 19°30 | 22°50 | 29°37 | 0°58 | 3°11 | 27°31 | 28°35 | 17°21 | 5°22 | T 13 |
| F 14 | 5 53 19 | 28°20'37 | 25° 8 | 6° 7 | 24°44 | 8°40 | 19°22 | 22°48 | 29°36 | 0°59 | 3°11 | 27°28 | 28°31 | 17°28 | 5°28 | F 14 |
| S 15 | 5 57 15 | 29°21'50 | 7♏13 | 7°17 | 25°58 | 8°22 | 19°14 | 22°47 | 29°36 | 0°59 | 3°10 | 27°22 | 28°28 | 17°35 | 5°34 | S 15 |
| S 16 | 6 1 12 | 0♑23'03 | 19°10 | 8°29 | 27°12 | 8° 6 | 19° 6 | 22°45 | 29°35 | 1° 0 | 3°10 | 27°13 | 28°25 | 17°42 | 5°40 | S 16 |
| M17 | 6 5 8 | 1°24'16 | 1♐ 3 | 9°43 | 28°26 | 7°50 | 18°58 | 22°43 | 29°34 | 1° 0 | 3° 9 | 27° 2 | 28°22 | 17°48 | 5°46 | M17 |
| T 18 | 6 9 5 | 2°25'29 | 12°55 | 10°59 | 29°40 | 7°35 | 18°51 | 22°41 | 29°33 | 1° 0 | 3° 8 | 26°51 | 28°19 | 17°55 | 5°52 | T 18 |
| W19 | 6 13 2 | 3°26'42 | 24°46 | 12°17 | 0♐54 | 7°20 | 18°43 | 22°38 | 29°32 | 1° 1 | 3° 8 | 26°40 | 28°16 | 18° 2 | 5°57 | W19 |
| T 20 | 6 16 58 | 4°27'55 | 6♑40 | 13°36 | 2° 8 | 7° 6 | 18°35 | 22°36 | 29°31 | 1° 1 | 3° 8 | 26°30 | 28°12 | 18° 8 | 6° 3 | T 20 |
| F 21 | 6 20 55 | 5°29'07 | 18°36 | 14°56 | 3°22 | 6°53 | 18°28 | 22°34 | 29°29 | 1° 1 | 3° 7 | 26°21 | 28° 9 | 18°15 | 6° 9 | F 21 |
| S 22 | 6 24 51 | 6°30'19 | 0♒37 | 16°17 | 4°37 | 6°41 | 18°21 | 22°31 | 29°28 | 1° 1 | 3° 7 | 26°15 | 28° 6 | 18°22 | 6°15 | S 22 |
| S 23 | 6 28 48 | 7°31'31 | 12°44 | 17°39 | 5°51 | 6°30 | 18°13 | 22°28 | 29°27 | 1° 2 | 3° 6 | 26°12 | 28° 3 | 18°29 | 6°21 | S 23 |
| M24 | 6 32 44 | 8°32'42 | 25° 0 | 19° 3 | 7° 5 | 6°20 | 18° 6 | 22°26 | 29°26 | 1° 2 | 3° 6 | 26°D11 | 28° 0 | 18°35 | 6°27 | M24 |
| T 25 | 6 36 41 | 9°33'53 | 7♓27 | 20°27 | 8°19 | 6°10 | 17°59 | 22°23 | 29°24 | 1° 2 | 3° 5 | 26°12 | 27°57 | 18°42 | 6°32 | T 25 |
| W26 | 6 40 38 | 10°35'03 | 20°10 | 21°52 | 9°33 | 6° 1 | 17°52 | 22°20 | 29°23 | 1° 2 | 3° 5 | 26°13 | 27°53 | 18°49 | 6°38 | W26 |
| T 27 | 6 44 34 | 11°36'12 | 3♈12 | 23°18 | 10°47 | 5°53 | 17°45 | 22°17 | 29°21 | 1°R 2 | 3° 5 | 26°14 | 27°50 | 18°55 | 6°44 | T 27 |
| F 28 | 6 48 31 | 12°37'20 | 16°35 | 24°44 | 12° 2 | 5°46 | 17°38 | 22°14 | 29°20 | 1° 2 | 3° 4 | 26°R14 | 27°47 | 19° 2 | 6°50 | F 28 |
| S 29 | 6 52 27 | 13°38'27 | 0♉24 | 26°11 | 13°16 | 5°40 | 17°32 | 22°11 | 29°18 | 1° 2 | 3° 4 | 26°13 | 27°44 | 19° 9 | 6°56 | S 29 |
| S 30 | 6 56 24 | 14°39'34 | 14°37 | 27°39 | 14°30 | 5°34 | 17°25 | 22° 7 | 29°17 | 1° 2 | 3° 4 | 26°10 | 27°41 | 19°16 | 7° 2 | S 30 |
| M31 | 7 0 20 | 15♑40'40 | 29♉15 | 29♐ 8 | 15♐45 | 5♊29 | 17♊19 | 22♌ 4 | 29♌15 | 1♎ 2 | 3♉ 4 | 26♌ 5 | 27♌37 | 19♐22 | 7♑ 7 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s43 | 4n36 | 4s 1 | 16s48 | 2n55 | 12s36 | 2n 0 | 25n 4 | 2n36 | 22n55 | 0s20 | 15n12 | 1n22 | 12n20 | 0n46 | 1n 5 | 1n32 | 2s13 | 15s49 | 12n 2 | 11n48 | 17s55 | 17s59 | 5n30 | S 1 |
| S 2 | 22 49 | 9 7 | 4 39 | 16 49 | 2 54 | 13 0 | 1 59 | 25 3 | 2 38 | 22 55 | 0 20 | 15 12 | 1 23 | 12 21 | 0 46 | 1 4 | 1 32 | 2 13 | 15 49 | 12 5 | 11 49 | 17 56 | 17 59 | 5 30 | S 2 |
| M 3 | 22 55 | 13 12 | 4 59 | 16 54 | 2 52 | 13 24 | 1 58 | 25 2 | 2 40 | 22 54 | 0 20 | 15 13 | 1 23 | 12 21 | 0 46 | 1 4 | 1 32 | 2 13 | 15 49 | 12 8 | 11 50 | 17 57 | 17 59 | 5 30 | M 3 |
| T 4 | 23 1 | 16 29 | 4 59 | 17 2 | 2 48 | 13 48 | 1 57 | 25 0 | 2 41 | 22 54 | 0 20 | 15 13 | 1 23 | 12 21 | 0 46 | 1 4 | 1 32 | 2 13 | 15 48 | 12 12 | 11 51 | 17 57 | 17 59 | 5 30 | T 4 |
| W 5 | 23 6 | 18 39 | 4 37 | 17 12 | 2 43 | 14 11 | 1 55 | 24 59 | 2 43 | 22 53 | 0 20 | 15 13 | 1 23 | 12 21 | 0 46 | 1 3 | 1 32 | 2 13 | 15 48 | 12 15 | 11 53 | 17 58 | 17 59 | 5 30 | W 5 |
| T 6 | 23 11 | 19 27 | 3 56 | 17 24 | 2 38 | 14 34 | 1 54 | 24 57 | 2 44 | 22 53 | 0 19 | 15 14 | 1 24 | 12 21 | 0 46 | 1 3 | 1 33 | 2 13 | 15 48 | 12 19 | 11 54 | 17 59 | 17 58 | 5 30 | T 6 |
| F 7 | 23 15 | 18 52 | 2 58 | 17 39 | 2 32 | 14 57 | 1 53 | 24 56 | 2 46 | 22 52 | 0 19 | 15 14 | 1 24 | 12 21 | 0 46 | 1 3 | 1 33 | 2 13 | 15 48 | 12 21 | 11 55 | 18 0 | 17 58 | 5 30 | F 7 |
| S 8 | 23 19 | 17 0 | 1 50 | 17 55 | 2 25 | 15 19 | 1 51 | 24 54 | 2 47 | 22 52 | 0 19 | 15 15 | 1 24 | 12 22 | 0 46 | 1 3 | 1 33 | 2 13 | 15 47 | 12 22 | 11 56 | 18 1 | 17 58 | 5 30 | S 8 |
| S 9 | 23 23 | 14 7 | 0 37 | 18 12 | 2 18 | 15 41 | 1 50 | 24 52 | 2 48 | 22 52 | 0 19 | 15 16 | 1 24 | 12 22 | 0 46 | 1 3 | 1 33 | 2 13 | 15 47 | 12 23 | 11 57 | 18 2 | 17 58 | 5 30 | S 9 |
| M10 | 23 26 | 10 33 | 0n36 | 18 30 | 2 11 | 16 2 | 1 48 | 24 50 | 2 50 | 22 51 | 0 19 | 15 16 | 1 24 | 12 22 | 0 46 | 1 2 | 1 33 | 2 13 | 15 47 | 12 23 | 11 58 | 18 3 | 17 58 | 5 30 | M10 |
| T 11 | 23 28 | 6 34 | 1 44 | 18 49 | 2 3 | 16 23 | 1 47 | 24 48 | 2 51 | 22 51 | 0 19 | 15 17 | 1 25 | 12 22 | 0 46 | 1 2 | 1 33 | 2 13 | 15 47 | 12 23 | 11 59 | 18 4 | 17 58 | 5 30 | T 11 |
| W12 | 23 30 | 2 23 | 2 46 | 19 9 | 1 55 | 16 44 | 1 45 | 24 46 | 2 52 | 22 50 | 0 18 | 15 18 | 1 25 | 12 23 | 0 46 | 1 2 | 1 33 | 2 13 | 15 46 | 12 23 | 12 0 | 18 5 | 17 57 | 5 30 | W12 |
| T 13 | 23 31 | 1s46 | 3 37 | 19 28 | 1 47 | 17 4 | 1 43 | 24 44 | 2 53 | 22 50 | 0 18 | 15 18 | 1 25 | 12 23 | 0 46 | 1 2 | 1 33 | 2 13 | 15 46 | 12 23 | 12 1 | 18 6 | 17 57 | 5 30 | T 13 |
| F 14 | 23 32 | 5 46 | 4 18 | 19 49 | 1 39 | 17 24 | 1 41 | 24 42 | 2 54 | 22 49 | 0 18 | 15 19 | 1 25 | 12 23 | 0 46 | 1 2 | 1 33 | 2 13 | 15 46 | 12 25 | 12 3 | 18 7 | 17 57 | 5 30 | F 14 |
| S 15 | 23 33 | 9 28 | 4 46 | 20 9 | 1 30 | 17 44 | 1 39 | 24 40 | 2 54 | 22 49 | 0 18 | 15 20 | 1 26 | 12 24 | 0 46 | 1 2 | 1 33 | 2 13 | 15 45 | 12 27 | 12 4 | 18 7 | 17 57 | 5 30 | S 15 |
| S 16 | 23 33 | 12 46 | 5 2 | 20 28 | 1 22 | 18 3 | 1 37 | 24 38 | 2 55 | 22 48 | 0 18 | 15 21 | 1 26 | 12 24 | 0 46 | 1 2 | 1 33 | 2 12 | 15 45 | 12 30 | 12 5 | 18 8 | 17 56 | 5 30 | S 16 |
| M17 | 23 33 | 15 31 | 5 4 | 20 48 | 1 13 | 18 21 | 1 35 | 24 36 | 2 56 | 22 48 | 0 18 | 15 22 | 1 26 | 12 24 | 0 47 | 1 1 | 1 33 | 2 12 | 15 45 | 12 33 | 12 6 | 18 9 | 17 56 | 5 30 | M17 |
| T 18 | 23 32 | 17 37 | 4 53 | 21 7 | 1 5 | 18 39 | 1 33 | 24 34 | 2 56 | 22 47 | 0 18 | 15 23 | 1 26 | 12 25 | 0 47 | 1 1 | 1 33 | 2 12 | 15 45 | 12 37 | 12 7 | 18 10 | 17 56 | 5 30 | T 18 |
| W19 | 23 30 | 18 58 | 4 29 | 21 26 | 0 57 | 18 57 | 1 31 | 24 32 | 2 57 | 22 47 | 0 17 | 15 24 | 1 26 | 12 25 | 0 47 | 1 1 | 1 33 | 2 12 | 15 44 | 12 41 | 12 8 | 18 11 | 17 56 | 5 30 | W19 |
| T 20 | 23 28 | 19 29 | 3 54 | 21 44 | 0 48 | 19 14 | 1 29 | 24 30 | 2 57 | 22 46 | 0 17 | 15 25 | 1 27 | 12 25 | 0 47 | 1 1 | 1 33 | 2 12 | 15 44 | 12 45 | 12 9 | 18 12 | 17 55 | 5 30 | T 20 |
| F 21 | 23 26 | 19 9 | 3 8 | 22 2 | 0 40 | 19 30 | 1 27 | 24 29 | 2 58 | 22 46 | 0 17 | 15 26 | 1 27 | 12 26 | 0 47 | 1 1 | 1 33 | 2 12 | 15 44 | 12 47 | 12 10 | 18 13 | 17 55 | 5 30 | F 21 |
| S 22 | 23 23 | 17 57 | 2 13 | 22 19 | 0 32 | 19 47 | 1 24 | 24 27 | 2 58 | 22 45 | 0 17 | 15 27 | 1 27 | 12 26 | 0 47 | 1 1 | 1 33 | 2 12 | 15 43 | 12 49 | 12 11 | 18 14 | 17 55 | 5 30 | S 22 |
| S 23 | 23 20 | 15 55 | 1 12 | 22 35 | 0 24 | 20 2 | 1 22 | 24 25 | 2 58 | 22 45 | 0 17 | 15 28 | 1 27 | 12 27 | 0 47 | 1 1 | 1 34 | 2 12 | 15 43 | 12 51 | 12 12 | 18 15 | 17 54 | 5 30 | S 23 |
| M24 | 23 16 | 13 9 | 0 6 | 22 50 | 0 16 | 20 17 | 1 20 | 24 23 | 2 58 | 22 44 | 0 17 | 15 29 | 1 27 | 12 27 | 0 47 | 1 1 | 1 34 | 2 11 | 15 43 | 12 51 | 12 14 | 18 15 | 17 54 | 5 30 | M24 |
| T 25 | 23 12 | 9 45 | 1s 1 | 23 5 | 0 8 | 20 31 | 1 17 | 24 22 | 2 58 | 22 44 | 0 16 | 15 30 | 1 28 | 12 28 | 0 47 | 1 1 | 1 34 | 2 11 | 15 42 | 12 51 | 12 15 | 18 16 | 17 54 | 5 30 | T 25 |
| W26 | 23 8 | 5 51 | 2 6 | 23 18 | 0 0 | 20 45 | 1 15 | 24 20 | 2 58 | 22 43 | 0 16 | 15 31 | 1 28 | 12 28 | 0 47 | 1 1 | 1 34 | 2 11 | 15 42 | 12 50 | 12 16 | 18 17 | 17 53 | 5 30 | W26 |
| T 27 | 23 2 | 1 35 | 3 7 | 23 30 | 0s 8 | 20 58 | 1 12 | 24 19 | 2 58 | 22 43 | 0 16 | 15 32 | 1 28 | 12 29 | 0 47 | 1 1 | 1 34 | 2 11 | 15 42 | 12 50 | 12 17 | 18 18 | 17 53 | 5 30 | T 27 |
| F 28 | 22 57 | 2n52 | 3 59 | 23 42 | 0 15 | 21 11 | 1 10 | 24 18 | 2 58 | 22 43 | 0 16 | 15 33 | 1 28 | 12 29 | 0 47 | 1 1 | 1 34 | 2 11 | 15 41 | 12 50 | 12 18 | 18 19 | 17 53 | 5 30 | F 28 |
| S 29 | 22 51 | 7 18 | 4 39 | 23 52 | 0 22 | 21 23 | 1 7 | 24 16 | 2 58 | 22 42 | 0 16 | 15 35 | 1 28 | 12 30 | 0 47 | 1 1 | 1 34 | 2 10 | 15 41 | 12 50 | 12 19 | 18 20 | 17 52 | 5 30 | S 29 |
| S 30 | 22 44 | 11 28 | 5 4 | 24 1 | 0 29 | 21 34 | 1 5 | 24 15 | 2 58 | 22 42 | 0 16 | 15 36 | 1 29 | 12 31 | 0 47 | 1 1 | 1 34 | 2 10 | 15 41 | 12 51 | 12 20 | 18 21 | 17 52 | 5 31 | S 30 |
| M31 | 22s37 | 15n 3 | 5s 9 | 24s 9 | 0s36 | 21s45 | 1n 2 | 24n14 | 2n58 | 22n41 | 0s15 | 15n37 | 1n29 | 12n31 | 0n47 | 1n 2 | 1n34 | 2s10 | 15s40 | 12n53 | 12n21 | 18s21 | 17s51 | 5n31 | M31 |

Julian Day Number = 2131567.5, Delta T = 16m29s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'35, Lahiri = 11°38'35 Julian Calendar 1 Dec. 1123 == Greg. Calendar 8 Dec. 1123


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## JANUARY 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 4 17 | 16♑41'44 | 14♊12 | 0♑37 | 16♐59 | 5°R25 | 17°R13 | 22°R 1 | 29°R13 | 1°R 1 | 3°R 3 | 25°R59 | 27♌34 | 19♐29 | 7♑13 | T 1 |
| W 2 | 7 8 13 | 17°42'48 | 29°20 | 2° 7 | 18°13 | 5♊22 | 17♊ 6 | 21♌57 | 29♌12 | 1♎ 1 | 3♉ 3 | 25♌53 | 27°31 | 19°36 | 7°19 | W 2 |
| T 3 | 7 12 10 | 18°43'52 | 14♋30 | 3°38 | 19°27 | 5°20 | 17° 0 | 21°54 | 29°10 | 1° 1 | 3° 3 | 25°47 | 27°28 | 19°42 | 7°25 | T 3 |
| F 4 | 7 16 7 | 19°44'54 | 29°31 | 5° 9 | 20°42 | 5°18 | 16°55 | 21°50 | 29° 8 | 1° 1 | 3° 3 | 25°43 | 27°25 | 19°49 | 7°30 | F 4 |
| S 5 | 7 20 3 | 20°45'55 | 14♌15 | 6°41 | 21°56 | 5°18 | 16°49 | 21°46 | 29° 6 | 1° 1 | 3° 3 | 25°41 | 27°22 | 19°56 | 7°36 | S 5 |
| S 6 | 7 24 0 | 21°46'56 | 28°35 | 8°13 | 23°11 | 5°D18 | 16°44 | 21°42 | 29° 5 | 1° 0 | 3° 3 | 25°D41 | 27°18 | 20° 3 | 7°42 | S 6 |
| M 7 | 7 27 56 | 22°47'56 | 12♍28 | 9°47 | 24°25 | 5°18 | 16°38 | 21°39 | 29° 3 | 1° 0 | 3° 3 | 25°42 | 27°15 | 20° 9 | 7°47 | M 7 |
| T 8 | 7 31 53 | 23°48'55 | 25°54 | 11°20 | 25°39 | 5°20 | 16°33 | 21°35 | 29° 1 | 0°59 | 3° 2 | 25°43 | 27°12 | 20°16 | 7°53 | T 8 |
| W 9 | 7 35 49 | 24°49'54 | 8♎53 | 12°55 | 26°54 | 5°22 | 16°28 | 21°31 | 28°59 | 0°59 | 3° 2 | 25°45 | 27° 9 | 20°23 | 7°59 | W 9 |
| T 10 | 7 39 46 | 25°50'52 | 21°30 | 14°30 | 28° 8 | 5°25 | 16°23 | 21°27 | 28°57 | 0°59 | 3° 2 | 25°R46 | 27° 6 | 20°29 | 8° 4 | T 10 |
| F 11 | 7 43 42 | 26°51'49 | 3♏48 | 16° 5 | 29°23 | 5°29 | 16°19 | 21°23 | 28°55 | 0°58 | 3°D 2 | 25°46 | 27° 3 | 20°36 | 8°10 | F 11 |
| S 12 | 7 47 39 | 27°52'45 | 15°54 | 17°42 | 0♑37 | 5°33 | 16°14 | 21°18 | 28°52 | 0°58 | 3° 2 | 25°44 | 26°59 | 20°43 | 8°15 | S 12 |
| S 13 | 7 51 36 | 28°53'40 | 27°50 | 19°19 | 1°52 | 5°38 | 16°10 | 21°14 | 28°50 | 0°57 | 3° 2 | 25°41 | 26°56 | 20°50 | 8°21 | S 13 |
| M14 | 7 55 32 | 29°54'35 | 9♐41 | 20°57 | 3° 6 | 5°44 | 16° 6 | 21°10 | 28°48 | 0°57 | 3° 2 | 25°38 | 26°53 | 20°56 | 8°27 | M14 |
| T 15 | 7 59 29 | 0♒55'29 | 21°32 | 22°35 | 4°20 | 5°50 | 16° 2 | 21° 5 | 28°46 | 0°56 | 3° 3 | 25°33 | 26°50 | 21° 3 | 8°32 | T 15 |
| W16 | 8 3 25 | 1°56'22 | 3♑24 | 24°14 | 5°35 | 5°57 | 15°58 | 21° 1 | 28°44 | 0°55 | 3° 3 | 25°29 | 26°47 | 21°10 | 8°38 | W16 |
| T 17 | 8 7 22 | 2°57'13 | 15°21 | 25°54 | 6°49 | 6° 5 | 15°55 | 20°57 | 28°42 | 0°55 | 3° 3 | 25°25 | 26°43 | 21°16 | 8°43 | T 17 |
| F 18 | 8 11 18 | 3°58'04 | 27°25 | 27°35 | 8° 4 | 6°13 | 15°51 | 20°52 | 28°39 | 0°54 | 3° 3 | 25°22 | 26°40 | 21°23 | 8°48 | F 18 |
| S 19 | 8 15 15 | 4°58'53 | 9♒37 | 29°16 | 9°18 | 6°22 | 15°48 | 20°48 | 28°37 | 0°53 | 3° 3 | 25°20 | 26°37 | 21°30 | 8°54 | S 19 |
| S 20 | 8 19 11 | 5°59'41 | 21°58 | 0♒59 | 10°33 | 6°32 | 15°45 | 20°43 | 28°35 | 0°52 | 3° 3 | 25°D19 | 26°34 | 21°36 | 8°59 | S 20 |
| M21 | 8 23 8 | 7° 0'27 | 4♓30 | 2°42 | 11°47 | 6°42 | 15°42 | 20°38 | 28°32 | 0°52 | 3° 4 | 25°19 | 26°31 | 21°43 | 9° 5 | M21 |
| T 22 | 8 27 5 | 8° 1'12 | 17°14 | 4°26 | 13° 2 | 6°53 | 15°40 | 20°34 | 28°30 | 0°51 | 3° 4 | 25°20 | 26°28 | 21°50 | 9°10 | T 22 |
| W23 | 8 31 1 | 9° 1'55 | 0♈11 | 6°10 | 14°16 | 7° 4 | 15°38 | 20°29 | 28°27 | 0°50 | 3° 4 | 25°22 | 26°24 | 21°57 | 9°15 | W23 |
| T 24 | 8 34 58 | 10° 2'36 | 13°23 | 7°56 | 15°31 | 7°16 | 15°35 | 20°24 | 28°25 | 0°49 | 3° 4 | 25°23 | 26°21 | 22° 3 | 9°20 | T 24 |
| F 25 | 8 38 54 | 11° 3'16 | 26°51 | 9°42 | 16°45 | 7°28 | 15°33 | 20°20 | 28°23 | 0°48 | 3° 5 | 25°24 | 26°18 | 22°10 | 9°26 | F 25 |
| S 26 | 8 42 51 | 12° 3'54 | 10♉36 | 11°29 | 18° 0 | 7°41 | 15°32 | 20°15 | 28°20 | 0°47 | 3° 5 | 25°R24 | 26°15 | 22°17 | 9°31 | S 26 |
| S 27 | 8 46 47 | 13° 4'31 | 24°39 | 13°17 | 19°14 | 7°55 | 15°30 | 20°10 | 28°18 | 0°46 | 3° 5 | 25°24 | 26°12 | 22°23 | 9°36 | S 27 |
| M28 | 8 50 44 | 14° 5'05 | 8♊58 | 15° 6 | 20°29 | 8° 9 | 15°29 | 20° 5 | 28°15 | 0°45 | 3° 6 | 25°23 | 26° 8 | 22°30 | 9°41 | M28 |
| T 29 | 8 54 40 | 15° 5'38 | 23°30 | 16°55 | 21°43 | 8°23 | 15°27 | 20° 1 | 28°13 | 0°44 | 3° 6 | 25°22 | 26° 5 | 22°37 | 9°46 | T 29 |
| W30 | 8 58 37 | 16° 6'09 | 8♋12 | 18°46 | 22°58 | 8°38 | 15°26 | 19°56 | 28°10 | 0°43 | 3° 6 | 25°21 | 26° 2 | 22°44 | 9°51 | W30 |
| T 31 | 9 2 34 | 17♒ 6'38 | 22♋56 | 20♒37 | 24♑12 | 8♊54 | 15♊26 | 19♌51 | 28♌ 8 | 0♎42 | 3♉ 7 | 25♌20 | 25♌59 | 22♐50 | 9♑56 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s30 | 17n44 | 4s55 | 24s16 | 0s43 | 21s55 | 1n 0 | 24n13 | 2n58 | 22n41 | 0s15 | 15n38 | 1n29 | 12n32 | 0n47 | 1n 2 | 1n34 | 2s10 | 15s40 | 12n55 | 12n22 | 18s22 | 17s51 | 5n31 |
| W 2 | 22 22 | 19 14 | 4 19 | 24 21 | 0 49 | 22 5 | 0 57 | 24 13 | 2 58 | 22 40 | 0 15 | 15 40 | 1 29 | 12 33 | 0 47 | 1 2 | 1 34 | 2 9 | 15 40 | 12 57 | 12 23 | 18 23 | 17 50 | 5 31 |
| T 3 | 22 14 | 19 21 | 3 25 | 24 26 | 0 56 | 22 14 | 0 54 | 24 12 | 2 57 | 22 40 | 0 15 | 15 41 | 1 29 | 12 33 | 0 47 | 1 2 | 1 34 | 2 9 | 15 39 | 12 59 | 12 25 | 18 24 | 17 50 | 5 31 |
| F 4 | 22 5 | 18 6 | 2 18 | 24 29 | 1 2 | 22 22 | 0 52 | 24 11 | 2 57 | 22 40 | 0 15 | 15 42 | 1 30 | 12 34 | 0 47 | 1 2 | 1 34 | 2 9 | 15 39 | 13 0 | 12 26 | 18 25 | 17 50 | 5 31 |
| S 5 | 21 56 | 15 38 | 1 2 | 24 30 | 1 8 | 22 30 | 0 49 | 24 11 | 2 57 | 22 39 | 0 15 | 15 44 | 1 30 | 12 34 | 0 47 | 1 2 | 1 34 | 2 9 | 15 39 | 13 1 | 12 27 | 18 26 | 17 49 | 5 31 |
| S 6 | 21 47 | 12 16 | 0n16 | 24 31 | 1 13 | 22 36 | 0 46 | 24 10 | 2 56 | 22 39 | 0 14 | 15 45 | 1 30 | 12 35 | 0 47 | 1 2 | 1 34 | 2 8 | 15 38 | 13 1 | 12 28 | 18 26 | 17 49 | 5 31 |
| M 7 | 21 37 | 8 18 | 1 31 | 24 30 | 1 19 | 22 43 | 0 43 | 24 10 | 2 56 | 22 38 | 0 14 | 15 47 | 1 30 | 12 36 | 0 47 | 1 3 | 1 34 | 2 8 | 15 38 | 13 1 | 12 29 | 18 27 | 17 48 | 5 32 |
| T 8 | 21 26 | 4 3 | 2 38 | 24 27 | 1 24 | 22 48 | 0 41 | 24 10 | 2 55 | 22 38 | 0 14 | 15 48 | 1 30 | 12 37 | 0 47 | 1 3 | 1 34 | 2 8 | 15 38 | 13 0 | 12 30 | 18 28 | 17 48 | 5 32 |
| W 9 | 21 16 | 0s15 | 3 35 | 24 23 | 1 29 | 22 53 | 0 38 | 24 10 | 2 55 | 22 38 | 0 14 | 15 50 | 1 31 | 12 37 | 0 47 | 1 3 | 1 35 | 2 7 | 15 37 | 13 0 | 12 31 | 18 29 | 17 47 | 5 32 |
| T 10 | 21 4 | 4 25 | 4 19 | 24 18 | 1 33 | 22 57 | 0 35 | 24 10 | 2 55 | 22 37 | 0 14 | 15 51 | 1 31 | 12 38 | 0 47 | 1 3 | 1 35 | 2 7 | 15 37 | 12 59 | 12 32 | 18 30 | 17 47 | 5 32 |
| F 11 | 20 53 | 8 17 | 4 51 | 24 11 | 1 38 | 23 1 | 0 32 | 24 10 | 2 54 | 22 37 | 0 13 | 15 53 | 1 31 | 12 39 | 0 47 | 1 4 | 1 35 | 2 7 | 15 37 | 12 59 | 12 33 | 18 31 | 17 46 | 5 32 |
| S 12 | 20 41 | 11 45 | 5 9 | 24 3 | 1 42 | 23 4 | 0 29 | 24 10 | 2 54 | 22 37 | 0 13 | 15 54 | 1 31 | 12 40 | 0 47 | 1 4 | 1 35 | 2 6 | 15 36 | 13 0 | 12 34 | 18 31 | 17 46 | 5 33 |
| S 13 | 20 29 | 14 41 | 5 13 | 23 53 | 1 45 | 23 6 | 0 27 | 24 11 | 2 53 | 22 37 | 0 13 | 15 56 | 1 31 | 12 40 | 0 47 | 1 4 | 1 35 | 2 6 | 15 36 | 13 1 | 12 35 | 18 32 | 17 45 | 5 33 |
| M14 | 20 16 | 17 0 | 5 4 | 23 42 | 1 49 | 23 7 | 0 24 | 24 11 | 2 52 | 22 36 | 0 13 | 15 57 | 1 31 | 12 41 | 0 47 | 1 4 | 1 35 | 2 6 | 15 36 | 13 2 | 12 37 | 18 33 | 17 45 | 5 33 |
| T 15 | 20 3 | 18 35 | 4 42 | 23 29 | 1 52 | 23 8 | 0 21 | 24 12 | 2 52 | 22 36 | 0 13 | 15 59 | 1 31 | 12 42 | 0 47 | 1 5 | 1 35 | 2 5 | 15 35 | 13 4 | 12 38 | 18 34 | 17 44 | 5 33 |
| W16 | 19 49 | 19 23 | 4 8 | 23 15 | 1 55 | 23 8 | 0 18 | 24 13 | 2 51 | 22 36 | 0 13 | 16 0 | 1 32 | 12 43 | 0 48 | 1 5 | 1 35 | 2 5 | 15 35 | 13 5 | 12 39 | 18 35 | 17 43 | 5 33 |
| T 17 | 19 35 | 19 18 | 3 23 | 22 59 | 1 57 | 23 7 | 0 15 | 24 13 | 2 51 | 22 36 | 0 12 | 16 2 | 1 32 | 12 44 | 0 48 | 1 5 | 1 35 | 2 5 | 15 35 | 13 7 | 12 40 | 18 35 | 17 43 | 5 34 |
| F 18 | 19 21 | 18 22 | 2 28 | 22 41 | 1 59 | 23 6 | 0 12 | 24 14 | 2 50 | 22 36 | 0 12 | 16 3 | 1 32 | 12 44 | 0 48 | 1 6 | 1 35 | 2 4 | 15 34 | 13 8 | 12 41 | 18 36 | 17 42 | 5 34 |
| S 19 | 19 7 | 16 33 | 1 26 | 22 22 | 2 1 | 23 4 | 0 10 | 24 15 | 2 49 | 22 35 | 0 12 | 16 5 | 1 32 | 12 45 | 0 48 | 1 6 | 1 35 | 2 4 | 15 34 | 13 8 | 12 42 | 18 37 | 17 42 | 5 34 |
| S 20 | 18 52 | 13 58 | 0 18 | 22 1 | 2 2 | 23 1 | 0 7 | 24 16 | 2 49 | 22 35 | 0 12 | 16 7 | 1 32 | 12 46 | 0 48 | 1 6 | 1 35 | 2 4 | 15 34 | 13 9 | 12 43 | 18 38 | 17 41 | 5 34 |
| M21 | 18 36 | 10 41 | 0s51 | 21 39 | 2 3 | 22 57 | 0 4 | 24 17 | 2 48 | 22 35 | 0 12 | 16 8 | 1 32 | 12 47 | 0 48 | 1 7 | 1 35 | 2 3 | 15 33 | 13 8 | 12 44 | 18 39 | 17 40 | 5 35 |
| T 22 | 18 21 | 6 53 | 1 58 | 21 15 | 2 4 | 22 53 | 0 1 | 24 18 | 2 47 | 22 35 | 0 12 | 16 10 | 1 32 | 12 48 | 0 48 | 1 7 | 1 35 | 2 3 | 15 33 | 13 8 | 12 45 | 18 39 | 17 40 | 5 35 |
| W23 | 18 5 | 2 42 | 3 1 | 20 49 | 2 4 | 22 48 | 0s 1 | 24 20 | 2 47 | 22 35 | 0 11 | 16 11 | 1 33 | 12 49 | 0 48 | 1 7 | 1 35 | 2 2 | 15 32 | 13 8 | 12 46 | 18 40 | 17 39 | 5 35 |
| T 24 | 17 49 | 1n41 | 3 56 | 20 22 | 2 4 | 22 43 | 0 4 | 24 21 | 2 46 | 22 35 | 0 11 | 16 13 | 1 33 | 12 49 | 0 48 | 1 8 | 1 35 | 2 2 | 15 32 | 13 7 | 12 47 | 18 41 | 17 39 | 5 35 |
| F 25 | 17 32 | 6 4 | 4 38 | 19 53 | 2 3 | 22 36 | 0 7 | 24 22 | 2 45 | 22 35 | 0 11 | 16 15 | 1 33 | 12 50 | 0 48 | 1 8 | 1 35 | 2 2 | 15 32 | 13 7 | 12 49 | 18 42 | 17 38 | 5 36 |
| S 26 | 17 15 | 10 13 | 5 6 | 19 22 | 2 2 | 22 29 | 0 9 | 24 24 | 2 44 | 22 35 | 0 11 | 16 16 | 1 33 | 12 51 | 0 48 | 1 9 | 1 35 | 2 1 | 15 31 | 13 7 | 12 50 | 18 42 | 17 37 | 5 36 |
| S 27 | 16 58 | 13 54 | 5 17 | 18 49 | 2 0 | 22 22 | 0 12 | 24 25 | 2 44 | 22 35 | 0 11 | 16 18 | 1 33 | 12 52 | 0 48 | 1 9 | 1 35 | 2 1 | 15 31 | 13 7 | 12 51 | 18 43 | 17 37 | 5 36 |
| M28 | 16 41 | 16 49 | 5 8 | 18 15 | 1 58 | 22 13 | 0 15 | 24 27 | 2 43 | 22 35 | 0 11 | 16 20 | 1 33 | 12 53 | 0 48 | 1 10 | 1 36 | 2 0 | 15 31 | 13 7 | 12 52 | 18 44 | 17 36 | 5 37 |
| T 29 | 16 23 | 18 44 | 4 39 | 17 40 | 1 55 | 22 4 | 0 17 | 24 29 | 2 42 | 22 35 | 0 10 | 16 21 | 1 33 | 12 54 | 0 48 | 1 10 | 1 36 | 2 0 | 15 30 | 13 7 | 12 53 | 18 45 | 17 35 | 5 37 |
| W30 | 16 5 | 19 26 | 3 53 | 17 2 | 1 52 | 21 55 | 0 20 | 24 30 | 2 42 | 22 35 | 0 10 | 16 23 | 1 33 | 12 55 | 0 48 | 1 10 | 1 36 | 1 59 | 15 30 | 13 8 | 12 54 | 18 45 | 17 35 | 5 37 |
| T 31 | 15s47 | 18n48 | 2s50 | 16s23 | 1s48 | 21s45 | 0s23 | 24n32 | 2n41 | 22n35 | 0s10 | 16n24 | 1n33 | 12n56 | 0n48 | 1n11 | 1n36 | 1s59 | 15s30 | 13n 8 | 12n55 | 18s46 | 17s34 | 5n37 |

Julian Day Number = 2131598.5, Delta T = 16m29s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'39, Lahiri = 11°38'40 Julian Calendar 1 Jan. 1124 == Greg. Calendar 8 Jan. 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## FEBRUARY 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 6 30 | 18♒ 7'05 | 7♌37 | 22♒28 | 25♉27 | 9♊10 | 15°R25 | 19°R46 | 28°R 5 | 0°R41 | 3♉ 7 | 25°R19 | 25♌56 | 22♐57 | 10♉ 1 | F 1 |
| S 2 | 9 10 27 | 19° 7'30 | 22° 7 | 24°20 | 26°41 | 9°26 | 15♊25 | 19♌41 | 28♌ 2 | 0♎40 | 3° 8 | 25°D19 | 25°53 | 23° 4 | 10° 6 | S 2 |
| S 3 | 9 14 23 | 20° 7'54 | 6♍20 | 26°13 | 27°56 | 9°43 | 15°D25 | 19°36 | 28° 0 | 0°39 | 3° 8 | 25♌19 | 25°49 | 23°10 | 10°11 | S 3 |
| M 4 | 9 18 20 | 21° 8'16 | 20°13 | 28° 6 | 29°10 | 10° 0 | 15°25 | 19°32 | 27°57 | 0°38 | 3° 9 | 25°19 | 25°46 | 23°17 | 10°15 | M 4 |
| T 5 | 9 22 16 | 22° 8'37 | 3♎41 | 29°59 | 0♒25 | 10°18 | 15°25 | 19°27 | 27°55 | 0°36 | 3° 9 | 25°20 | 25°43 | 23°24 | 10°20 | T 5 |
| W 6 | 9 26 13 | 23° 8'56 | 16°46 | 1♓52 | 1°39 | 10°36 | 15°25 | 19°22 | 27°52 | 0°35 | 3°10 | 25°20 | 25°40 | 23°31 | 10°25 | W 6 |
| T 7 | 9 30 9 | 24° 9'13 | 29°29 | 3°45 | 2°54 | 10°55 | 15°26 | 19°17 | 27°49 | 0°34 | 3°10 | 25°20 | 25°37 | 23°37 | 10°29 | T 7 |
| F 8 | 9 34 6 | 25° 9'29 | 11♏53 | 5°38 | 4° 8 | 11°13 | 15°27 | 19°12 | 27°47 | 0°33 | 3°11 | 25°R20 | 25°34 | 23°44 | 10°34 | F 8 |
| S 9 | 9 38 3 | 26° 9'44 | 24° 2 | 7°29 | 5°23 | 11°33 | 15°28 | 19° 8 | 27°44 | 0°31 | 3°12 | 25°D20 | 25°30 | 23°51 | 10°39 | S 9 |
| S 10 | 9 41 59 | 27° 9'56 | 6♐ 0 | 9°20 | 6°37 | 11°52 | 15°29 | 19° 3 | 27°42 | 0°30 | 3°12 | 25°20 | 25°27 | 23°57 | 10°43 | S 10 |
| M11 | 9 45 56 | 28°10'08 | 17°53 | 11°10 | 7°52 | 12°12 | 15°30 | 18°58 | 27°39 | 0°29 | 3°13 | 25°20 | 25°24 | 24° 4 | 10°47 | M11 |
| T 12 | 9 49 52 | 29°10'17 | 29°44 | 12°57 | 9° 6 | 12°33 | 15°32 | 18°53 | 27°36 | 0°28 | 3°14 | 25°21 | 25°21 | 24°11 | 10°52 | T 12 |
| W13 | 9 53 49 | 0♓10'26 | 11♑37 | 14°42 | 10°20 | 12°53 | 15°34 | 18°49 | 27°34 | 0°26 | 3°14 | 25°21 | 25°18 | 24°17 | 10°56 | W13 |
| T 14 | 9 57 45 | 1°10'32 | 23°38 | 16°25 | 11°35 | 13°14 | 15°36 | 18°44 | 27°31 | 0°25 | 3°15 | 25°22 | 25°14 | 24°24 | 11° 1 | T 14 |
| F 15 | 10 1 42 | 2°10'37 | 5♒49 | 18° 4 | 12°49 | 13°36 | 15°38 | 18°39 | 27°28 | 0°23 | 3°16 | 25°23 | 25°11 | 24°31 | 11° 5 | F 15 |
| S 16 | 10 5 38 | 3°10'39 | 18°12 | 19°40 | 14° 4 | 13°57 | 15°40 | 18°35 | 27°26 | 0°22 | 3°16 | 25°23 | 25° 8 | 24°38 | 11° 9 | S 16 |
| S 17 | 10 9 35 | 4°10'40 | 0♓50 | 21°12 | 15°18 | 14°19 | 15°43 | 18°30 | 27°23 | 0°21 | 3°17 | 25°R23 | 25° 5 | 24°44 | 11°13 | S 17 |
| M18 | 10 13 31 | 5°10'39 | 13°42 | 22°38 | 16°33 | 14°42 | 15°45 | 18°26 | 27°21 | 0°19 | 3°18 | 25°22 | 25° 2 | 24°51 | 11°17 | M18 |
| T 19 | 10 17 28 | 6°10'36 | 26°49 | 23°59 | 17°47 | 15° 4 | 15°48 | 18°21 | 27°18 | 0°18 | 3°19 | 25°21 | 24°59 | 24°58 | 11°21 | T 19 |
| W20 | 10 21 25 | 7°10'31 | 10♈10 | 25°14 | 19° 2 | 15°27 | 15°52 | 18°17 | 27°15 | 0°16 | 3°20 | 25°20 | 24°55 | 25° 4 | 11°25 | W20 |
| T 21 | 10 25 21 | 8°10'24 | 23°44 | 26°23 | 20°16 | 15°51 | 15°55 | 18°12 | 27°13 | 0°15 | 3°20 | 25°18 | 24°52 | 25°11 | 11°29 | T 21 |
| F 22 | 10 29 18 | 9°10'14 | 7♉30 | 27°25 | 21°30 | 16°14 | 15°58 | 18° 8 | 27°10 | 0°13 | 3°21 | 25°17 | 24°49 | 25°18 | 11°33 | F 22 |
| S 23 | 10 33 14 | 10°10'02 | 21°25 | 28°20 | 22°45 | 16°38 | 16° 2 | 18° 4 | 27° 8 | 0°12 | 3°22 | 25°15 | 24°46 | 25°25 | 11°37 | S 23 |
| S 24 | 10 37 11 | 11° 9'48 | 5♊29 | 29° 7 | 23°59 | 17° 2 | 16° 6 | 17°59 | 27° 5 | 0°10 | 3°23 | 25°D15 | 24°43 | 25°31 | 11°40 | S 24 |
| M25 | 10 41 7 | 12° 9'32 | 19°40 | 29°46 | 25°14 | 17°26 | 16°10 | 17°55 | 27° 3 | 0° 9 | 3°24 | 25°15 | 24°40 | 25°38 | 11°44 | M25 |
| T 26 | 10 45 4 | 13° 9'13 | 3♋54 | 0♈17 | 26°28 | 17°51 | 16°14 | 17°51 | 27° 0 | 0° 7 | 3°25 | 25°15 | 24°36 | 25°45 | 11°48 | T 26 |
| W27 | 10 49 0 | 14° 8'52 | 18°11 | 0°40 | 27°42 | 18°16 | 16°19 | 17°47 | 26°58 | 0° 5 | 3°26 | 25°17 | 24°33 | 25°51 | 11°51 | W27 |
| T 28 | 10 52 57 | 15° 8'29 | 2♌27 | 0°54 | 28°57 | 18°41 | 16°23 | 17°43 | 26°55 | 0° 4 | 3°27 | 25°18 | 24°30 | 25°58 | 11°55 | T 28 |
| F 29 | 10 56 54 | 16♓ 8'03 | 16♌39 | 1°R 1 | 0♓11 | 19♊ 6 | 16♊28 | 17♌39 | 26♌53 | 0♎ 2 | 3♉28 | 25♌19 | 24♌27 | 26♐ 5 | 11♉58 | F 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s28 | 16n54 | 1s37 | 15s43 | 1s43 | 21s34 | 0s25 | 24n34 | 2n40 | 22n35 | 0s10 | 16n26 | 1n34 | 12n57 | 0n48 | 1n11 | 1n36 | 1s58 | 15s29 | 13n 8 | 12n56 | 18s47 | 17s33 | 5n38 |
| S 2 | 15 9 | 13 55 | 0 18 | 15 1 | 1 38 | 21 22 | 0 28 | 24 36 | 2 39 | 22 35 | 0 10 | 16 28 | 1 34 | 12 57 | 0 48 | 1 12 | 1 36 | 1 58 | 15 29 | 13 9 | 12 57 | 18 48 | 17 33 | 5 38 |
| S 3 | 14 50 | 10 10 | 1n 1 | 14 17 | 1 33 | 21 10 | 0 30 | 24 37 | 2 39 | 22 35 | 0 10 | 16 29 | 1 34 | 12 58 | 0 48 | 1 12 | 1 36 | 1 57 | 15 29 | 13 8 | 12 58 | 18 48 | 17 32 | 5 38 |
| M 4 | 14 31 | 5 57 | 2 14 | 13 32 | 1 26 | 20 57 | 0 32 | 24 39 | 2 38 | 22 35 | 0 9 | 16 31 | 1 34 | 12 59 | 0 48 | 1 13 | 1 36 | 1 57 | 15 28 | 13 8 | 12 59 | 18 49 | 17 31 | 5 39 |
| T 5 | 14 12 | 1 33 | 3 17 | 12 46 | 1 19 | 20 43 | 0 35 | 24 41 | 2 37 | 22 36 | 0 9 | 16 33 | 1 34 | 13 0 | 0 48 | 1 13 | 1 36 | 1 57 | 15 28 | 13 8 | 13 0 | 18 50 | 17 31 | 5 39 |
| W 6 | 13 52 | 2s48 | 4 8 | 11 59 | 1 12 | 20 29 | 0 37 | 24 43 | 2 36 | 22 36 | 0 9 | 16 34 | 1 34 | 13 1 | 0 48 | 1 14 | 1 36 | 1 56 | 15 28 | 13 8 | 13 1 | 18 51 | 17 30 | 5 39 |
| T 7 | 13 32 | 6 53 | 4 46 | 11 10 | 1 4 | 20 15 | 0 39 | 24 45 | 2 36 | 22 36 | 0 9 | 16 36 | 1 34 | 13 2 | 0 48 | 1 14 | 1 36 | 1 56 | 15 27 | 13 8 | 13 3 | 18 51 | 17 29 | 5 40 |
| F 8 | 13 12 | 10 34 | 5 9 | 10 20 | 0 55 | 19 59 | 0 42 | 24 47 | 2 35 | 22 36 | 0 9 | 16 37 | 1 34 | 13 3 | 0 48 | 1 15 | 1 36 | 1 55 | 15 27 | 13 8 | 13 4 | 18 52 | 17 29 | 5 40 |
| S 9 | 12 51 | 13 44 | 5 17 | 9 30 | 0 45 | 19 43 | 0 44 | 24 49 | 2 34 | 22 37 | 0 9 | 16 39 | 1 34 | 13 4 | 0 48 | 1 15 | 1 36 | 1 55 | 15 27 | 13 8 | 13 5 | 18 53 | 17 28 | 5 41 |
| S 10 | 12 31 | 16 17 | 5 12 | 8 39 | 0 35 | 19 27 | 0 46 | 24 51 | 2 33 | 22 37 | 0 9 | 16 40 | 1 34 | 13 5 | 0 48 | 1 16 | 1 36 | 1 54 | 15 27 | 13 8 | 13 6 | 18 54 | 17 27 | 5 41 |
| M11 | 12 10 | 18 8 | 4 53 | 7 47 | 0 24 | 19 10 | 0 48 | 24 53 | 2 33 | 22 37 | 0 8 | 16 42 | 1 34 | 13 6 | 0 48 | 1 17 | 1 36 | 1 54 | 15 26 | 13 8 | 13 7 | 18 54 | 17 26 | 5 41 |
| T 12 | 11 49 | 19 11 | 4 22 | 6 56 | 0 13 | 18 52 | 0 50 | 24 55 | 2 32 | 22 37 | 0 8 | 16 44 | 1 34 | 13 7 | 0 48 | 1 17 | 1 36 | 1 53 | 15 26 | 13 8 | 13 8 | 18 55 | 17 26 | 5 42 |
| W13 | 11 28 | 19 23 | 3 40 | 6 4 | 0 1 | 18 34 | 0 52 | 24 57 | 2 31 | 22 38 | 0 8 | 16 45 | 1 34 | 13 7 | 0 48 | 1 18 | 1 36 | 1 53 | 15 26 | 13 8 | 13 9 | 18 56 | 17 25 | 5 42 |
| T 14 | 11 6 | 18 44 | 2 47 | 5 13 | 0n11 | 18 16 | 0 54 | 24 59 | 2 30 | 22 38 | 0 8 | 16 47 | 1 35 | 13 8 | 0 48 | 1 18 | 1 36 | 1 52 | 15 25 | 13 8 | 13 10 | 18 56 | 17 24 | 5 42 |
| F 15 | 10 45 | 17 11 | 1 46 | 4 22 | 0 24 | 17 57 | 0 56 | 25 1 | 2 30 | 22 39 | 0 8 | 16 48 | 1 35 | 13 9 | 0 48 | 1 19 | 1 36 | 1 52 | 15 25 | 13 7 | 13 11 | 18 57 | 17 24 | 5 43 |
| S 16 | 10 23 | 14 49 | 0 40 | 3 32 | 0 37 | 17 37 | 0 58 | 25 3 | 2 29 | 22 39 | 0 8 | 16 50 | 1 35 | 13 10 | 0 48 | 1 20 | 1 36 | 1 51 | 15 25 | 13 7 | 13 12 | 18 58 | 17 23 | 5 43 |
| S 17 | 10 1 | 11 42 | 0s30 | 2 44 | 0 51 | 17 17 | 1 0 | 25 5 | 2 28 | 22 39 | 0 7 | 16 51 | 1 35 | 13 11 | 0 48 | 1 20 | 1 36 | 1 50 | 15 24 | 13 7 | 13 13 | 18 58 | 17 22 | 5 44 |
| M18 | 9 39 | 7 58 | 1 40 | 1 57 | 1 4 | 16 56 | 1 2 | 25 6 | 2 27 | 22 40 | 0 7 | 16 52 | 1 35 | 13 12 | 0 48 | 1 21 | 1 36 | 1 50 | 15 24 | 13 7 | 13 14 | 18 59 | 17 21 | 5 44 |
| T 19 | 9 17 | 3 48 | 2 45 | 1 12 | 1 18 | 16 35 | 1 4 | 25 8 | 2 27 | 22 40 | 0 7 | 16 54 | 1 35 | 13 13 | 0 48 | 1 21 | 1 36 | 1 49 | 15 24 | 13 8 | 13 15 | 19 0 | 17 21 | 5 44 |
| W20 | 8 55 | 0n37 | 3 43 | 0 30 | 1 32 | 16 13 | 1 5 | 25 10 | 2 26 | 22 41 | 0 7 | 16 55 | 1 35 | 13 14 | 0 48 | 1 22 | 1 36 | 1 49 | 15 24 | 13 8 | 13 16 | 19 1 | 17 20 | 5 45 |
| T 21 | 8 33 | 5 5 | 4 30 | 0n10 | 1 46 | 15 51 | 1 7 | 25 12 | 2 25 | 22 41 | 0 7 | 16 57 | 1 35 | 13 15 | 0 48 | 1 23 | 1 36 | 1 48 | 15 23 | 13 9 | 13 18 | 19 1 | 17 19 | 5 45 |
| F 22 | 8 10 | 9 20 | 5 1 | 0 47 | 1 59 | 15 29 | 1 9 | 25 14 | 2 24 | 22 42 | 0 7 | 16 58 | 1 35 | 13 15 | 0 48 | 1 23 | 1 37 | 1 48 | 15 23 | 13 9 | 13 19 | 19 2 | 17 18 | 5 46 |
| S 23 | 7 47 | 13 8 | 5 15 | 1 21 | 2 12 | 15 6 | 1 10 | 25 15 | 2 24 | 22 42 | 0 7 | 16 59 | 1 35 | 13 16 | 0 48 | 1 24 | 1 37 | 1 47 | 15 23 | 13 10 | 13 20 | 19 3 | 17 18 | 5 46 |
| S 24 | 7 25 | 16 13 | 5 11 | 1 52 | 2 25 | 14 43 | 1 12 | 25 17 | 2 23 | 22 43 | 0 6 | 17 1 | 1 35 | 13 17 | 0 48 | 1 24 | 1 37 | 1 47 | 15 22 | 13 10 | 13 21 | 19 3 | 17 17 | 5 47 |
| M25 | 7 2 | 18 22 | 4 48 | 2 18 | 2 37 | 14 19 | 1 13 | 25 19 | 2 22 | 22 43 | 0 6 | 17 2 | 1 35 | 13 18 | 0 48 | 1 25 | 1 37 | 1 46 | 15 22 | 13 10 | 13 22 | 19 4 | 17 16 | 5 47 |
| T 26 | 6 39 | 19 23 | 4 7 | 2 41 | 2 48 | 13 55 | 1 14 | 25 20 | 2 21 | 22 44 | 0 6 | 17 3 | 1 35 | 13 19 | 0 48 | 1 26 | 1 37 | 1 46 | 15 22 | 13 10 | 13 23 | 19 5 | 17 15 | 5 48 |
| W27 | 6 16 | 19 9 | 3 11 | 2 59 | 2 58 | 13 30 | 1 16 | 25 22 | 2 21 | 22 45 | 0 6 | 17 5 | 1 35 | 13 20 | 0 48 | 1 26 | 1 37 | 1 45 | 15 22 | 13 9 | 13 24 | 19 5 | 17 15 | 5 48 |
| T 28 | 5 53 | 17 43 | 2 3 | 3 14 | 3 8 | 13 6 | 1 17 | 25 23 | 2 20 | 22 45 | 0 6 | 17 6 | 1 35 | 13 21 | 0 48 | 1 27 | 1 37 | 1 45 | 15 21 | 13 9 | 13 25 | 19 6 | 17 14 | 5 48 |
| F 29 | 5s30 | 15n10 | 0s48 | 3n23 | 3n16 | 12s40 | 1s18 | 25n25 | 2n19 | 22n46 | 0s 6 | 17n 7 | 1n35 | 13n21 | 0n48 | 1n28 | 1n37 | 1s44 | 15s21 | 13n 9 | 13n26 | 19s 7 | 17s13 | 5n49 |

Julian Day Number = 2131629.5, Delta T = 16m29s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'43, Lahiri = 11°38'44 Julian Calendar 1 Feb. 1124 == Greg. Calendar 8 Feb. 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## MARCH 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 0 50 | 17♓ 7'35 | 0♍42 | 0°R59 | 1♓25 | 19♊32 | 16♊33 | 17°R35 | 26°R51 | 0°R 1 | 3♉29 | 25°R19 | 24♌24 | 26♐11 | 12♑ 1 | S 1 |
| S 2 | 11 4 47 | 18° 7'05 | 14°35 | 0♈49 | 2°40 | 19°58 | 16°38 | 17♌31 | 26♌48 | 29♍59 | 3°30 | 25♌18 | 24°20 | 26°18 | 12° 5 | S 2 |
| M 3 | 11 8 43 | 19° 6'33 | 28°12 | 0°32 | 3°54 | 20°23 | 16°43 | 17°27 | 26°46 | 29°57 | 3°31 | 25°16 | 24°17 | 26°25 | 12° 8 | M 3 |
| T 4 | 11 12 40 | 20° 5'59 | 11♎32 | 0° 7 | 5° 8 | 20°50 | 16°48 | 17°24 | 26°43 | 29°56 | 3°32 | 25°13 | 24°14 | 26°32 | 12°11 | T 4 |
| W 5 | 11 16 36 | 21° 5'23 | 24°33 | 29♓37 | 6°23 | 21°16 | 16°54 | 17°20 | 26°41 | 29°54 | 3°33 | 25° 8 | 24°11 | 26°38 | 12°14 | W 5 |
| T 6 | 11 20 33 | 22° 4'45 | 7♏16 | 29° 0 | 7°37 | 21°43 | 17° 0 | 17°17 | 26°39 | 29°53 | 3°34 | 25° 4 | 24° 8 | 26°45 | 12°17 | T 6 |
| F 7 | 11 24 29 | 23° 4'05 | 19°42 | 28°19 | 8°51 | 22°10 | 17° 6 | 17°13 | 26°37 | 29°51 | 3°35 | 25° 0 | 24° 5 | 26°52 | 12°20 | F 7 |
| S 8 | 11 28 26 | 24° 3'23 | 1♐52 | 27°34 | 10° 6 | 22°37 | 17°12 | 17°10 | 26°34 | 29°49 | 3°36 | 24°57 | 24° 1 | 26°58 | 12°23 | S 8 |
| S 9 | 11 32 23 | 25° 2'39 | 13°52 | 26°46 | 11°20 | 23° 4 | 17°18 | 17° 7 | 26°32 | 29°48 | 3°37 | 24°55 | 23°58 | 27° 5 | 12°26 | S 9 |
| M10 | 11 36 19 | 26° 1'54 | 25°45 | 25°56 | 12°34 | 23°31 | 17°24 | 17° 3 | 26°30 | 29°46 | 3°38 | 24°D54 | 23°55 | 27°12 | 12°28 | M10 |
| T 11 | 11 40 16 | 27° 1'06 | 7♑37 | 25° 6 | 13°48 | 23°59 | 17°31 | 17° 0 | 26°28 | 29°44 | 3°39 | 24°55 | 23°52 | 27°18 | 12°31 | T 11 |
| W12 | 11 44 12 | 28° 0'17 | 19°31 | 24°16 | 15° 3 | 24°26 | 17°37 | 16°57 | 26°26 | 29°43 | 3°40 | 24°56 | 23°49 | 27°25 | 12°33 | W12 |
| T 13 | 11 48 9 | 28°59'26 | 1♒34 | 23°26 | 16°17 | 24°54 | 17°44 | 16°54 | 26°24 | 29°41 | 3°41 | 24°58 | 23°45 | 27°32 | 12°36 | T 13 |
| F 14 | 11 52 5 | 29°58'34 | 13°49 | 22°39 | 17°31 | 25°22 | 17°51 | 16°51 | 26°21 | 29°39 | 3°43 | 24°59 | 23°42 | 27°39 | 12°38 | F 14 |
| S 15 | 11 56 2 | 0♈57'39 | 26°20 | 21°55 | 18°45 | 25°51 | 17°58 | 16°48 | 26°19 | 29°38 | 3°44 | 25°R 0 | 23°39 | 27°45 | 12°41 | S 15 |
| S 16 | 11 59 58 | 1°56'42 | 9♓10 | 21°14 | 20° 0 | 26°19 | 18° 5 | 16°46 | 26°17 | 29°36 | 3°45 | 24°59 | 23°36 | 27°52 | 12°43 | S 16 |
| M17 | 12 3 55 | 2°55'44 | 22°20 | 20°37 | 21°14 | 26°48 | 18°13 | 16°43 | 26°15 | 29°34 | 3°46 | 24°56 | 23°33 | 27°59 | 12°45 | M17 |
| T 18 | 12 7 51 | 3°54'43 | 5♈50 | 20° 5 | 22°28 | 27°17 | 18°20 | 16°41 | 26°14 | 29°33 | 3°47 | 24°52 | 23°30 | 28° 5 | 12°47 | T 18 |
| W19 | 12 11 48 | 4°53'40 | 19°38 | 19°38 | 23°42 | 27°46 | 18°28 | 16°38 | 26°12 | 29°31 | 3°48 | 24°46 | 23°26 | 28°12 | 12°49 | W19 |
| T 20 | 12 15 45 | 5°52'35 | 3♉40 | 19°16 | 24°56 | 28°15 | 18°36 | 16°36 | 26°10 | 29°30 | 3°50 | 24°39 | 23°23 | 28°19 | 12°51 | T 20 |
| F 21 | 12 19 41 | 6°51'28 | 17°52 | 18°59 | 26°11 | 28°44 | 18°43 | 16°34 | 26° 8 | 29°28 | 3°51 | 24°33 | 23°20 | 28°25 | 12°53 | F 21 |
| S 22 | 12 23 38 | 7°50'19 | 2♊10 | 18°48 | 27°25 | 29°13 | 18°51 | 16°32 | 26° 6 | 29°26 | 3°52 | 24°27 | 23°17 | 28°32 | 12°55 | S 22 |
| S 23 | 12 27 34 | 8°49'08 | 16°28 | 18°42 | 28°39 | 29°43 | 19° 0 | 16°29 | 26° 5 | 29°25 | 3°53 | 24°23 | 23°14 | 28°39 | 12°57 | S 23 |
| M24 | 12 31 31 | 9°47'54 | 0♋43 | 18°D42 | 29°53 | 0♋13 | 19° 8 | 16°28 | 26° 3 | 29°23 | 3°55 | 24°21 | 23°11 | 28°45 | 12°58 | M24 |
| T 25 | 12 35 27 | 10°46'38 | 14°52 | 18°46 | 1♈ 7 | 0°42 | 19°16 | 16°26 | 26° 1 | 29°21 | 3°56 | 24°D21 | 23° 7 | 28°52 | 13° 0 | T 25 |
| W26 | 12 39 24 | 11°45'19 | 28°55 | 18°56 | 2°21 | 1°12 | 19°25 | 16°24 | 26° 0 | 29°20 | 3°57 | 24°22 | 23° 4 | 28°59 | 13° 2 | W26 |
| T 27 | 12 43 20 | 12°43'59 | 12♌49 | 19°11 | 3°35 | 1°42 | 19°34 | 16°22 | 25°58 | 29°18 | 3°58 | 24°23 | 23° 1 | 29° 6 | 13° 3 | T 27 |
| F 28 | 12 47 17 | 13°42'36 | 26°36 | 19°30 | 4°49 | 2°13 | 19°42 | 16°21 | 25°57 | 29°17 | 4° 0 | 24°R23 | 22°58 | 29°12 | 13° 4 | F 28 |
| S 29 | 12 51 14 | 14°41'10 | 10♍12 | 19°54 | 6° 4 | 2°43 | 19°51 | 16°19 | 25°55 | 29°15 | 4° 1 | 24°22 | 22°55 | 29°19 | 13° 6 | S 29 |
| S 30 | 12 55 10 | 15°39'43 | 23°39 | 20°22 | 7°18 | 3°13 | 20° 0 | 16°18 | 25°54 | 29°13 | 4° 2 | 24°19 | 22°51 | 29°26 | 13° 7 | S 30 |
| M31 | 12 59 7 | 16♈38'13 | 6♎54 | 20♓55 | 8♈32 | 3♋44 | 20♊ 9 | 16♌17 | 25♌52 | 29♍12 | 4♉ 4 | 24♌13 | 22♌48 | 29♐32 | 13♑ 8 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 6 | 11n44 | 0n30 | 3n29 | 3n22 | 12s15 | 1s19 | 25n26 | 2n18 | 22n46 | 0s 6 | 17n 8 | 1n35 | 13n22 | 0n48 | 1n28 | 1n37 | 1s43 | 15s21 | 13n 8 | 13n27 | 19s 7 | 17s12 | 5n49 |
| S 2 | 4 43 | 7 42 | 1 44 | 3 30 | 3 27 | 11 49 | 1 20 | 25 27 | 2 18 | 22 47 | 0 5 | 17 10 | 1 35 | 13 23 | 0 48 | 1 29 | 1 37 | 1 43 | 15 21 | 13 9 | 13 28 | 19 8 | 17 12 | 5 50 |
| M 3 | 4 20 | 3 20 | 2 51 | 3 26 | 3 31 | 11 23 | 1 21 | 25 29 | 2 17 | 22 48 | 0 5 | 17 11 | 1 35 | 13 24 | 0 48 | 1 30 | 1 37 | 1 42 | 15 20 | 13 10 | 13 29 | 19 9 | 17 11 | 5 50 |
| T 4 | 3 56 | 1s 6 | 3 47 | 3 18 | 3 33 | 10 56 | 1 22 | 25 30 | 2 16 | 22 48 | 0 5 | 17 12 | 1 35 | 13 25 | 0 48 | 1 30 | 1 37 | 1 42 | 15 20 | 13 11 | 13 30 | 19 9 | 17 10 | 5 51 |
| W 5 | 3 33 | 5 22 | 4 30 | 3 6 | 3 33 | 10 30 | 1 23 | 25 31 | 2 16 | 22 49 | 0 5 | 17 13 | 1 35 | 13 25 | 0 48 | 1 31 | 1 37 | 1 41 | 15 20 | 13 12 | 13 31 | 19 10 | 17 9 | 5 51 |
| T 6 | 3 9 | 9 18 | 4 58 | 2 50 | 3 32 | 10 3 | 1 24 | 25 32 | 2 15 | 22 50 | 0 5 | 17 14 | 1 35 | 13 26 | 0 48 | 1 32 | 1 37 | 1 41 | 15 20 | 13 14 | 13 32 | 19 10 | 17 9 | 5 52 |
| F 7 | 2 46 | 12 44 | 5 12 | 2 31 | 3 28 | 9 35 | 1 24 | 25 33 | 2 14 | 22 50 | 0 5 | 17 15 | 1 35 | 13 27 | 0 48 | 1 32 | 1 37 | 1 40 | 15 19 | 13 15 | 13 33 | 19 11 | 17 8 | 5 52 |
| S 8 | 2 22 | 15 33 | 5 11 | 2 8 | 3 23 | 9 8 | 1 25 | 25 34 | 2 13 | 22 51 | 0 5 | 17 16 | 1 35 | 13 28 | 0 48 | 1 33 | 1 37 | 1 40 | 15 19 | 13 16 | 13 35 | 19 12 | 17 7 | 5 53 |
| S 9 | 1 59 | 17 40 | 4 56 | 1 43 | 3 16 | 8 40 | 1 25 | 25 35 | 2 13 | 22 52 | 0 5 | 17 17 | 1 35 | 13 28 | 0 48 | 1 34 | 1 37 | 1 39 | 15 19 | 13 17 | 13 36 | 19 12 | 17 6 | 5 53 |
| M10 | 1 35 | 19 0 | 4 29 | 1 15 | 3 8 | 8 12 | 1 26 | 25 35 | 2 12 | 22 53 | 0 4 | 17 18 | 1 35 | 13 29 | 0 48 | 1 34 | 1 37 | 1 38 | 15 19 | 13 17 | 13 37 | 19 13 | 17 6 | 5 54 |
| T 11 | 1 11 | 19 30 | 3 51 | 0 45 | 2 58 | 7 44 | 1 26 | 25 36 | 2 11 | 22 53 | 0 4 | 17 19 | 1 35 | 13 30 | 0 48 | 1 35 | 1 37 | 1 38 | 15 19 | 13 17 | 13 38 | 19 14 | 17 5 | 5 54 |
| W12 | 0 48 | 19 7 | 3 2 | 0 15 | 2 46 | 7 15 | 1 27 | 25 37 | 2 11 | 22 54 | 0 4 | 17 20 | 1 35 | 13 31 | 0 48 | 1 36 | 1 37 | 1 37 | 15 18 | 13 16 | 13 39 | 19 14 | 17 4 | 5 55 |
| T 13 | 0 24 | 17 53 | 2 5 | 0s16 | 2 33 | 6 47 | 1 27 | 25 37 | 2 10 | 22 55 | 0 4 | 17 21 | 1 35 | 13 31 | 0 48 | 1 36 | 1 37 | 1 37 | 15 18 | 13 16 | 13 40 | 19 15 | 17 3 | 5 55 |
| F 14 | 0 1 | 15 47 | 1 1 | 0 48 | 2 20 | 6 18 | 1 27 | 25 37 | 2 9 | 22 56 | 0 4 | 17 21 | 1 35 | 13 32 | 0 48 | 1 37 | 1 37 | 1 36 | 15 18 | 13 15 | 13 41 | 19 15 | 17 3 | 5 56 |
| S 15 | 0n23 | 12 55 | 0s 7 | 1 19 | 2 5 | 5 49 | 1 28 | 25 38 | 2 9 | 22 56 | 0 4 | 17 22 | 1 34 | 13 33 | 0 47 | 1 38 | 1 37 | 1 36 | 15 18 | 13 15 | 13 42 | 19 16 | 17 2 | 5 56 |
| S 16 | 0 47 | 9 21 | 1 16 | 1 49 | 1 50 | 5 20 | 1 28 | 25 38 | 2 8 | 22 57 | 0 4 | 17 23 | 1 34 | 13 33 | 0 47 | 1 38 | 1 37 | 1 35 | 15 18 | 13 15 | 13 43 | 19 17 | 17 1 | 5 57 |
| M17 | 1 10 | 5 15 | 2 23 | 2 18 | 1 34 | 4 50 | 1 28 | 25 38 | 2 7 | 22 58 | 0 4 | 17 24 | 1 34 | 13 34 | 0 47 | 1 39 | 1 37 | 1 35 | 15 17 | 13 16 | 13 44 | 19 17 | 17 0 | 5 57 |
| T 18 | 1 34 | 0 47 | 3 24 | 2 45 | 1 18 | 4 21 | 1 28 | 25 38 | 2 7 | 22 59 | 0 3 | 17 25 | 1 34 | 13 35 | 0 47 | 1 40 | 1 37 | 1 34 | 15 17 | 13 18 | 13 45 | 19 18 | 17 0 | 5 58 |
| W19 | 1 57 | 3n48 | 4 13 | 3 10 | 1 2 | 3 51 | 1 28 | 25 38 | 2 6 | 23 0 | 0 3 | 17 25 | 1 34 | 13 35 | 0 47 | 1 40 | 1 37 | 1 33 | 15 17 | 13 20 | 13 46 | 19 18 | 16 59 | 5 58 |
| T 20 | 2 21 | 8 16 | 4 49 | 3 34 | 0 46 | 3 22 | 1 28 | 25 38 | 2 5 | 23 0 | 0 3 | 17 26 | 1 34 | 13 36 | 0 47 | 1 41 | 1 37 | 1 33 | 15 17 | 13 22 | 13 47 | 19 19 | 16 58 | 5 59 |
| F 21 | 2 44 | 12 19 | 5 7 | 3 55 | 0 30 | 2 52 | 1 27 | 25 37 | 2 5 | 23 1 | 0 3 | 17 27 | 1 34 | 13 36 | 0 47 | 1 42 | 1 37 | 1 32 | 15 17 | 13 24 | 13 48 | 19 20 | 16 58 | 5 59 |
| S 22 | 3 7 | 15 41 | 5 6 | 4 13 | 0 15 | 2 22 | 1 27 | 25 37 | 2 4 | 23 2 | 0 3 | 17 27 | 1 34 | 13 37 | 0 47 | 1 42 | 1 37 | 1 32 | 15 16 | 13 26 | 13 49 | 19 20 | 16 57 | 6 0 |
| S 23 | 3 31 | 18 6 | 4 47 | 4 30 | 0s 0 | 1 52 | 1 27 | 25 36 | 2 3 | 23 3 | 0 3 | 17 28 | 1 34 | 13 38 | 0 47 | 1 43 | 1 37 | 1 31 | 15 16 | 13 27 | 13 50 | 19 21 | 16 56 | 6 1 |
| M24 | 3 54 | 19 24 | 4 9 | 4 43 | 0 15 | 1 22 | 1 26 | 25 36 | 2 3 | 23 4 | 0 3 | 17 28 | 1 34 | 13 38 | 0 47 | 1 44 | 1 37 | 1 31 | 15 16 | 13 28 | 13 51 | 19 21 | 16 55 | 6 1 |
| T 25 | 4 17 | 19 27 | 3 17 | 4 55 | 0 29 | 0 52 | 1 26 | 25 35 | 2 2 | 23 4 | 0 3 | 17 29 | 1 34 | 13 39 | 0 47 | 1 44 | 1 37 | 1 30 | 15 16 | 13 28 | 13 52 | 19 22 | 16 55 | 6 2 |
| W26 | 4 40 | 18 18 | 2 13 | 5 3 | 0 43 | 0 22 | 1 25 | 25 34 | 2 1 | 23 5 | 0 2 | 17 29 | 1 34 | 13 39 | 0 47 | 1 45 | 1 37 | 1 30 | 15 16 | 13 28 | 13 53 | 19 23 | 16 54 | 6 2 |
| T 27 | 5 3 | 16 3 | 1 2 | 5 9 | 0 56 | 0n 8 | 1 25 | 25 33 | 2 1 | 23 6 | 0 2 | 17 30 | 1 34 | 13 40 | 0 47 | 1 46 | 1 37 | 1 29 | 15 16 | 13 27 | 13 55 | 19 23 | 16 53 | 6 3 |
| F 28 | 5 26 | 12 54 | 0n12 | 5 13 | 1 8 | 0 38 | 1 24 | 25 32 | 2 0 | 23 7 | 0 2 | 17 30 | 1 34 | 13 40 | 0 47 | 1 46 | 1 37 | 1 29 | 15 16 | 13 27 | 13 56 | 19 24 | 16 53 | 6 3 |
| S 29 | 5 49 | 9 4 | 1 24 | 5 14 | 1 20 | 1 8 | 1 24 | 25 31 | 1 59 | 23 8 | 0 2 | 17 30 | 1 34 | 13 41 | 0 47 | 1 47 | 1 37 | 1 28 | 15 15 | 13 28 | 13 57 | 19 24 | 16 52 | 6 4 |
| S 30 | 6 12 | 4 50 | 2 31 | 5 13 | 1 31 | 1 38 | 1 23 | 25 29 | 1 59 | 23 8 | 0 2 | 17 31 | 1 34 | 13 41 | 0 47 | 1 47 | 1 37 | 1 27 | 15 15 | 13 29 | 13 58 | 19 25 | 16 51 | 6 4 |
| M31 | 6n34 | 0n26 | 3n28 | 5s10 | 1s41 | 2n 9 | 1s22 | 25n28 | 1n58 | 23n 9 | 0s 2 | 17n31 | 1n34 | 13n41 | 0n47 | 1n48 | 1n37 | 1s27 | 15s15 | 13n31 | 13n59 | 19s25 | 16s51 | 6n 5 |

Julian Day Number = 2131658.5, Delta T = 16m29s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'47, Lahiri = 11°38'48 Julian Calendar 1 March 1124 == Greg. Calendar 8 March 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## APRIL 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 3 3 | 17♈36'42 | 19♎56 | 21♓32 | 9♈46 | 4♋15 | 20♊19 | 16°R16 | 25°R51 | 29°R10 | 4♉ 5 | 24°R 5 | 22♌45 | 29♐39 | 13♑ 9 | T 1 |
| W 2 | 13 7 0 | 18°35'08 | 2♏45 | 22°12 | 11° 0 | 4°45 | 20°28 | 16♌15 | 25♌50 | 29♍ 9 | 4° 6 | 23♌56 | 22°42 | 29°46 | 13°10 | W 2 |
| T 3 | 13 10 56 | 19°33'33 | 15°19 | 22°56 | 12°14 | 5°16 | 20°38 | 16°14 | 25°49 | 29° 7 | 4° 7 | 23°46 | 22°39 | 29°52 | 13°11 | T 3 |
| F 4 | 13 14 53 | 20°31'56 | 27°40 | 23°44 | 13°28 | 5°47 | 20°47 | 16°13 | 25°47 | 29° 6 | 4° 9 | 23°36 | 22°36 | 29°59 | 13°12 | F 4 |
| S 5 | 13 18 49 | 21°30'18 | 9♐48 | 24°35 | 14°42 | 6°19 | 20°57 | 16°12 | 25°46 | 29° 4 | 4°10 | 23°27 | 22°32 | 0♑ 6 | 13°12 | S 5 |
| S 6 | 13 22 46 | 22°28'37 | 21°47 | 25°30 | 15°56 | 6°50 | 21° 7 | 16°12 | 25°45 | 29° 3 | 4°11 | 23°21 | 22°29 | 0°13 | 13°13 | S 6 |
| M 7 | 13 26 43 | 23°26'55 | 3♑39 | 26°27 | 17°10 | 7°21 | 21°16 | 16°11 | 25°44 | 29° 1 | 4°13 | 23°16 | 22°26 | 0°19 | 13°13 | M 7 |
| T 8 | 13 30 39 | 24°25'12 | 15°30 | 27°27 | 18°24 | 7°53 | 21°26 | 16°11 | 25°43 | 29° 0 | 4°14 | 23°14 | 22°23 | 0°26 | 13°14 | T 8 |
| W 9 | 13 34 36 | 25°23'27 | 27°23 | 28°30 | 19°38 | 8°24 | 21°37 | 16°10 | 25°42 | 28°58 | 4°15 | 23°D14 | 22°20 | 0°33 | 13°14 | W 9 |
| T 10 | 13 38 32 | 26°21'40 | 9♒25 | 29°36 | 20°52 | 8°56 | 21°47 | 16°10 | 25°41 | 28°57 | 4°17 | 23°14 | 22°17 | 0°39 | 13°15 | T 10 |
| F 11 | 13 42 29 | 27°19'52 | 21°40 | 0♈45 | 22° 6 | 9°28 | 21°57 | 16°D10 | 25°40 | 28°56 | 4°18 | 23°R15 | 22°13 | 0°46 | 13°15 | F 11 |
| S 12 | 13 46 25 | 28°18'02 | 4♓14 | 1°56 | 23°20 | 9°59 | 22° 7 | 16°10 | 25°40 | 28°54 | 4°20 | 23°14 | 22°10 | 0°53 | 13°15 | S 12 |
| S 13 | 13 50 22 | 29°16'11 | 17°10 | 3° 9 | 24°34 | 10°31 | 22°18 | 16°10 | 25°39 | 28°53 | 4°21 | 23°12 | 22° 7 | 0°59 | 13°R15 | S 13 |
| M14 | 13 54 18 | 0♉14'18 | 0♈30 | 4°25 | 25°47 | 11° 3 | 22°28 | 16°11 | 25°38 | 28°51 | 4°22 | 23° 7 | 22° 4 | 1° 6 | 13°15 | M14 |
| T 15 | 13 58 15 | 1°12'24 | 14°16 | 5°43 | 27° 1 | 11°36 | 22°39 | 16°11 | 25°38 | 28°50 | 4°24 | 22°59 | 22° 1 | 1°13 | 13°15 | T 15 |
| W16 | 14 2 11 | 2°10'28 | 28°26 | 7° 4 | 28°15 | 12° 8 | 22°50 | 16°11 | 25°37 | 28°49 | 4°25 | 22°50 | 21°57 | 1°19 | 13°15 | W16 |
| T 17 | 14 6 8 | 3° 8'30 | 12♉53 | 8°27 | 29°29 | 12°40 | 23° 1 | 16°12 | 25°36 | 28°47 | 4°26 | 22°40 | 21°54 | 1°26 | 13°15 | T 17 |
| F 18 | 14 10 5 | 4° 6'31 | 27°33 | 9°52 | 0♉43 | 13°13 | 23°12 | 16°13 | 25°36 | 28°46 | 4°28 | 22°29 | 21°51 | 1°33 | 13°14 | F 18 |
| S 19 | 14 14 1 | 5° 4'30 | 12♊16 | 11°19 | 1°57 | 13°45 | 23°23 | 16°13 | 25°36 | 28°45 | 4°29 | 22°20 | 21°48 | 1°40 | 13°14 | S 19 |
| S 20 | 14 17 58 | 6° 2'27 | 26°56 | 12°48 | 3°11 | 14°18 | 23°34 | 16°14 | 25°35 | 28°44 | 4°30 | 22°13 | 21°45 | 1°46 | 13°13 | S 20 |
| M21 | 14 21 54 | 7° 0'23 | 11♋26 | 14°19 | 4°25 | 14°50 | 23°45 | 16°15 | 25°35 | 28°42 | 4°32 | 22° 8 | 21°42 | 1°53 | 13°13 | M21 |
| T 22 | 14 25 51 | 7°58'16 | 25°42 | 15°53 | 5°39 | 15°23 | 23°56 | 16°16 | 25°35 | 28°41 | 4°33 | 22° 6 | 21°38 | 2° 0 | 13°12 | T 22 |
| W23 | 14 29 47 | 8°56'08 | 9♌44 | 17°28 | 6°53 | 15°56 | 24° 7 | 16°18 | 25°34 | 28°40 | 4°34 | 22°D 6 | 21°35 | 2° 6 | 13°11 | W23 |
| T 24 | 14 33 44 | 9°53'58 | 23°29 | 19° 6 | 8° 6 | 16°29 | 24°19 | 16°19 | 25°34 | 28°39 | 4°36 | 22°R 6 | 21°32 | 2°13 | 13°11 | T 24 |
| F 25 | 14 37 40 | 10°51'46 | 7♍ 0 | 20°45 | 9°20 | 17° 2 | 24°30 | 16°20 | 25°34 | 28°38 | 4°37 | 22° 5 | 21°29 | 2°20 | 13°10 | F 25 |
| S 26 | 14 41 37 | 11°49'32 | 20°17 | 22°27 | 10°34 | 17°35 | 24°42 | 16°22 | 25°34 | 28°37 | 4°39 | 22° 3 | 21°26 | 2°26 | 13° 9 | S 26 |
| S 27 | 14 45 34 | 12°47'17 | 3♎22 | 24°11 | 11°48 | 18° 8 | 24°53 | 16°23 | 25°D34 | 28°35 | 4°40 | 21°58 | 21°22 | 2°33 | 13° 8 | S 27 |
| M28 | 14 49 30 | 13°45'00 | 16°16 | 25°57 | 13° 2 | 18°41 | 25° 5 | 16°25 | 25°34 | 28°34 | 4°41 | 21°50 | 21°19 | 2°40 | 13° 7 | M28 |
| T 29 | 14 53 27 | 14°42'41 | 28°59 | 27°45 | 14°15 | 19°15 | 25°17 | 16°27 | 25°34 | 28°33 | 4°43 | 21°39 | 21°16 | 2°46 | 13° 6 | T 29 |
| W30 | 14 57 23 | 15♉40'21 | 11♏31 | 29♈35 | 15♉29 | 19♋48 | 25♊29 | 16♌29 | 25♌34 | 28♍32 | 4♉44 | 21♌27 | 21♌13 | 2♑53 | 13♑ 4 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n57 | 3s55 | 4n13 | 5s 4 | 1s50 | 2n39 | 1s21 | 25n26 | 1n57 | 23n10 | 0s 2 | 17n31 | 1n33 | 13n42 | 0n47 | 1n49 | 1n37 | 1s26 | 15s15 | 13n33 | 14n 0 | 19s26 | 16s50 | 6n 5 |
| W 2 | 7 19 | 8 1 | 4 45 | 4 56 | 1 59 | 3 9 | 1 20 | 25 25 | 1 57 | 23 11 | 0 2 | 17 32 | 1 33 | 13 42 | 0 47 | 1 49 | 1 37 | 1 26 | 15 15 | 13 36 | 14 1 | 19 26 | 16 50 | 6 6 |
| T 3 | 7 41 | 11 42 | 5 2 | 4 46 | 2 7 | 3 38 | 1 19 | 25 23 | 1 56 | 23 12 | 0 1 | 17 32 | 1 33 | 13 43 | 0 47 | 1 50 | 1 37 | 1 25 | 15 15 | 13 40 | 14 2 | 19 27 | 16 49 | 6 7 |
| F 4 | 8 3 | 14 47 | 5 4 | 4 34 | 2 15 | 4 8 | 1 18 | 25 21 | 1 55 | 23 12 | 0 1 | 17 32 | 1 33 | 13 43 | 0 47 | 1 50 | 1 37 | 1 25 | 15 15 | 13 43 | 14 3 | 19 28 | 16 48 | 6 7 |
| S 5 | 8 25 | 17 12 | 4 53 | 4 19 | 2 22 | 4 38 | 1 17 | 25 19 | 1 55 | 23 13 | 0 1 | 17 32 | 1 33 | 13 43 | 0 47 | 1 51 | 1 37 | 1 24 | 15 15 | 13 46 | 14 4 | 19 28 | 16 48 | 6 8 |
| S 6 | 8 47 | 18 50 | 4 29 | 4 3 | 2 28 | 5 8 | 1 16 | 25 16 | 1 54 | 23 14 | 0 1 | 17 32 | 1 33 | 13 44 | 0 47 | 1 52 | 1 37 | 1 24 | 15 15 | 13 48 | 14 5 | 19 29 | 16 47 | 6 8 |
| M 7 | 9 9 | 19 37 | 3 53 | 3 45 | 2 33 | 5 37 | 1 15 | 25 14 | 1 53 | 23 15 | 0 1 | 17 32 | 1 33 | 13 44 | 0 47 | 1 52 | 1 37 | 1 23 | 15 15 | 13 50 | 14 6 | 19 29 | 16 46 | 6 9 |
| T 8 | 9 30 | 19 33 | 3 7 | 3 26 | 2 38 | 6 7 | 1 13 | 25 12 | 1 53 | 23 15 | 0 1 | 17 32 | 1 33 | 13 44 | 0 47 | 1 53 | 1 37 | 1 23 | 15 14 | 13 50 | 14 7 | 19 30 | 16 46 | 6 9 |
| W 9 | 9 52 | 18 36 | 2 14 | 3 4 | 2 42 | 6 36 | 1 12 | 25 9 | 1 52 | 23 16 | 0 1 | 17 32 | 1 33 | 13 45 | 0 47 | 1 53 | 1 37 | 1 22 | 15 14 | 13 50 | 14 8 | 19 30 | 16 45 | 6 10 |
| T 10 | 10 13 | 16 48 | 1 13 | 2 41 | 2 45 | 7 5 | 1 11 | 25 6 | 1 52 | 23 17 | 0 1 | 17 32 | 1 33 | 13 45 | 0 47 | 1 54 | 1 37 | 1 22 | 15 14 | 13 50 | 14 9 | 19 31 | 16 45 | 6 10 |
| F 11 | 10 34 | 14 13 | 0 8 | 2 16 | 2 48 | 7 34 | 1 9 | 25 3 | 1 51 | 23 18 | 0 1 | 17 32 | 1 33 | 13 45 | 0 47 | 1 54 | 1 37 | 1 21 | 15 14 | 13 50 | 14 10 | 19 31 | 16 44 | 6 11 |
| S 12 | 10 55 | 10 55 | 0s58 | 1 50 | 2 50 | 8 3 | 1 8 | 25 0 | 1 50 | 23 18 | 0 1 | 17 32 | 1 33 | 13 45 | 0 47 | 1 55 | 1 37 | 1 21 | 15 14 | 13 50 | 14 11 | 19 32 | 16 44 | 6 11 |
| S 13 | 11 16 | 7 0 | 2 4 | 1 22 | 2 52 | 8 32 | 1 6 | 24 57 | 1 50 | 23 19 | 0 0 | 17 32 | 1 33 | 13 46 | 0 47 | 1 55 | 1 37 | 1 20 | 15 14 | 13 51 | 14 12 | 19 32 | 16 43 | 6 12 |
| M14 | 11 36 | 2 37 | 3 5 | 0 52 | 2 53 | 9 1 | 1 5 | 24 54 | 1 49 | 23 20 | 0 0 | 17 32 | 1 32 | 13 46 | 0 47 | 1 56 | 1 37 | 1 20 | 15 14 | 13 53 | 14 13 | 19 33 | 16 42 | 6 13 |
| T 15 | 11 57 | 2n 1 | 3 57 | 0 22 | 2 53 | 9 29 | 1 3 | 24 51 | 1 48 | 23 21 | 0 0 | 17 32 | 1 32 | 13 46 | 0 47 | 1 57 | 1 37 | 1 19 | 15 14 | 13 55 | 14 14 | 19 33 | 16 42 | 6 13 |
| W16 | 12 17 | 6 40 | 4 35 | 0n11 | 2 53 | 9 57 | 1 1 | 24 47 | 1 48 | 23 21 | 0 0 | 17 31 | 1 32 | 13 46 | 0 46 | 1 57 | 1 37 | 1 19 | 15 14 | 13 58 | 14 15 | 19 34 | 16 41 | 6 14 |
| T 17 | 12 37 | 11 3 | 4 58 | 0 44 | 2 52 | 10 25 | 1 0 | 24 43 | 1 47 | 23 22 | 0n 0 | 17 31 | 1 32 | 13 46 | 0 46 | 1 58 | 1 37 | 1 19 | 15 14 | 14 2 | 14 16 | 19 34 | 16 41 | 6 14 |
| F 18 | 12 57 | 14 49 | 5 1 | 1 19 | 2 50 | 10 52 | 0 58 | 24 40 | 1 47 | 23 23 | 0 0 | 17 31 | 1 32 | 13 46 | 0 46 | 1 58 | 1 37 | 1 18 | 15 14 | 14 5 | 14 17 | 19 35 | 16 40 | 6 15 |
| S 19 | 13 16 | 17 40 | 4 44 | 1 55 | 2 48 | 11 20 | 0 56 | 24 36 | 1 46 | 23 23 | 0 0 | 17 31 | 1 32 | 13 47 | 0 46 | 1 59 | 1 37 | 1 18 | 15 14 | 14 8 | 14 18 | 19 35 | 16 40 | 6 15 |
| S 20 | 13 36 | 19 22 | 4 9 | 2 32 | 2 45 | 11 47 | 0 54 | 24 32 | 1 45 | 23 24 | 0 0 | 17 30 | 1 32 | 13 47 | 0 46 | 1 59 | 1 36 | 1 17 | 15 14 | 14 10 | 14 19 | 19 36 | 16 39 | 6 16 |
| M21 | 13 55 | 19 46 | 3 18 | 3 11 | 2 42 | 12 14 | 0 52 | 24 27 | 1 45 | 23 25 | 0 0 | 17 30 | 1 32 | 13 47 | 0 46 | 1 59 | 1 36 | 1 17 | 15 14 | 14 12 | 14 20 | 19 36 | 16 39 | 6 16 |
| T 22 | 14 14 | 18 53 | 2 15 | 3 50 | 2 38 | 12 40 | 0 50 | 24 23 | 1 44 | 23 25 | 0 1 | 17 29 | 1 32 | 13 47 | 0 46 | 2 0 | 1 36 | 1 16 | 15 14 | 14 12 | 14 21 | 19 37 | 16 38 | 6 17 |
| W23 | 14 33 | 16 51 | 1 5 | 4 31 | 2 34 | 13 7 | 0 48 | 24 19 | 1 44 | 23 26 | 0 1 | 17 29 | 1 32 | 13 47 | 0 46 | 2 0 | 1 36 | 1 16 | 15 14 | 14 13 | 14 22 | 19 37 | 16 38 | 6 17 |
| T 24 | 14 51 | 13 52 | 0n 7 | 5 13 | 2 29 | 13 33 | 0 46 | 24 14 | 1 43 | 23 26 | 0 1 | 17 29 | 1 32 | 13 47 | 0 46 | 2 1 | 1 36 | 1 15 | 15 14 | 14 13 | 14 24 | 19 38 | 16 38 | 6 18 |
| F 25 | 15 9 | 10 11 | 1 18 | 5 55 | 2 24 | 13 58 | 0 44 | 24 9 | 1 42 | 23 27 | 0 1 | 17 28 | 1 31 | 13 47 | 0 46 | 2 1 | 1 36 | 1 15 | 15 14 | 14 13 | 14 25 | 19 38 | 16 37 | 6 18 |
| S 26 | 15 27 | 6 4 | 2 23 | 6 39 | 2 18 | 14 23 | 0 42 | 24 4 | 1 42 | 23 28 | 0 1 | 17 27 | 1 31 | 13 47 | 0 46 | 2 2 | 1 36 | 1 15 | 15 14 | 14 14 | 14 26 | 19 39 | 16 37 | 6 19 |
| S 27 | 15 45 | 1 42 | 3 20 | 7 23 | 2 11 | 14 48 | 0 40 | 23 59 | 1 41 | 23 28 | 0 1 | 17 27 | 1 31 | 13 47 | 0 46 | 2 2 | 1 36 | 1 14 | 15 14 | 14 15 | 14 27 | 19 39 | 16 36 | 6 19 |
| M28 | 16 2 | 2s39 | 4 5 | 8 8 | 2 4 | 15 13 | 0 38 | 23 54 | 1 41 | 23 29 | 0 1 | 17 26 | 1 31 | 13 47 | 0 46 | 2 2 | 1 36 | 1 14 | 15 14 | 14 18 | 14 28 | 19 39 | 16 36 | 6 20 |
| T 29 | 16 20 | 6 50 | 4 37 | 8 54 | 1 57 | 15 37 | 0 36 | 23 49 | 1 40 | 23 29 | 0 1 | 17 26 | 1 31 | 13 47 | 0 46 | 2 3 | 1 36 | 1 13 | 15 14 | 14 21 | 14 29 | 19 40 | 16 36 | 6 20 |
| W30 | 16n37 | 10s40 | 4n56 | 9n41 | 1s49 | 16n 1 | 0s34 | 23n43 | 1n39 | 23n30 | 0n 1 | 17n25 | 1n31 | 13n47 | 0n46 | 2n 3 | 1n36 | 1s13 | 15s14 | 14n25 | 14n30 | 19s40 | 16s35 | 6n21 |

Julian Day Number = 2131689.5, Delta T = 16m28s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'52, Lahiri = 11°38'52 Julian Calendar 1 Apr. 1124 == Greg. Calendar 8 Apr. 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## MAY 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 1 20 | 16♉38'00 | 23♏52 | 1♉27 | 16♉43 | 20♋22 | 25♊40 | 16♌31 | 25♌35 | 28°R31 | 4♉45 | 21°R13 | 21♌10 | 3♑ 0 | 13°R 3 | T 1 |
| F 2 | 15 5 16 | 17°35'37 | 6♐ 3 | 3°21 | 17°57 | 20°55 | 25°52 | 16°33 | 25°35 | 28♍30 | 4°47 | 21♌ 0 | 21° 7 | 3° 7 | 13♑ 2 | F 2 |
| S 3 | 15 9 13 | 18°33'13 | 18° 6 | 5°17 | 19°10 | 21°29 | 26° 4 | 16°35 | 25°35 | 28°30 | 4°48 | 20°48 | 21° 3 | 3°13 | 13° 0 | S 3 |
| S 4 | 15 13 9 | 19°30'48 | 0♑ 1 | 7°15 | 20°24 | 22° 2 | 26°16 | 16°37 | 25°36 | 28°29 | 4°49 | 20°39 | 21° 0 | 3°20 | 12°59 | S 4 |
| M 5 | 15 17 6 | 20°28'23 | 11°51 | 9°15 | 21°38 | 22°36 | 26°29 | 16°40 | 25°36 | 28°28 | 4°51 | 20°32 | 20°57 | 3°27 | 12°57 | M 5 |
| T 6 | 15 21 3 | 21°25'56 | 23°40 | 11°17 | 22°52 | 23°10 | 26°41 | 16°42 | 25°36 | 28°27 | 4°52 | 20°27 | 20°54 | 3°33 | 12°55 | T 6 |
| W 7 | 15 24 59 | 22°23'28 | 5♒32 | 13°21 | 24° 6 | 23°44 | 26°53 | 16°45 | 25°37 | 28°26 | 4°53 | 20°25 | 20°51 | 3°40 | 12°54 | W 7 |
| T 8 | 15 28 56 | 23°20'59 | 17°32 | 15°26 | 25°19 | 24°18 | 27° 5 | 16°48 | 25°38 | 28°25 | 4°54 | 20°25 | 20°48 | 3°47 | 12°52 | T 8 |
| F 9 | 15 32 52 | 24°18'29 | 29°46 | 17°33 | 26°33 | 24°52 | 27°18 | 16°50 | 25°38 | 28°24 | 4°56 | 20°25 | 20°44 | 3°53 | 12°50 | F 9 |
| S 10 | 15 36 49 | 25°15'58 | 12♓18 | 19°41 | 27°47 | 25°26 | 27°30 | 16°53 | 25°39 | 28°24 | 4°57 | 20°24 | 20°41 | 4° 0 | 12°48 | S 10 |
| S 11 | 15 40 45 | 26°13'27 | 25°13 | 21°51 | 29° 0 | 26° 0 | 27°42 | 16°56 | 25°40 | 28°23 | 4°58 | 20°22 | 20°38 | 4° 7 | 12°46 | S 11 |
| M12 | 15 44 42 | 27°10'55 | 8♈36 | 24° 1 | 0♊14 | 26°34 | 27°55 | 16°59 | 25°40 | 28°22 | 5° 0 | 20°17 | 20°35 | 4°13 | 12°44 | M12 |
| T 13 | 15 48 38 | 28° 8'22 | 22°27 | 26°13 | 1°28 | 27° 8 | 28° 7 | 17° 2 | 25°41 | 28°22 | 5° 1 | 20°10 | 20°32 | 4°20 | 12°42 | T 13 |
| W14 | 15 52 35 | 29° 5'48 | 6♉46 | 28°24 | 2°42 | 27°43 | 28°20 | 17° 6 | 25°42 | 28°21 | 5° 2 | 20° 0 | 20°28 | 4°27 | 12°40 | W14 |
| T 15 | 15 56 32 | 0♊ 3'13 | 21°29 | 0♊36 | 3°55 | 28°17 | 28°33 | 17° 9 | 25°43 | 28°20 | 5° 3 | 19°50 | 20°25 | 4°33 | 12°37 | T 15 |
| F 16 | 16 0 28 | 1° 0'38 | 6♊27 | 2°48 | 5° 9 | 28°51 | 28°45 | 17°13 | 25°44 | 28°20 | 5° 5 | 19°39 | 20°22 | 4°40 | 12°35 | F 16 |
| S 17 | 16 4 25 | 1°58'02 | 21°31 | 5° 0 | 6°23 | 29°26 | 28°58 | 17°16 | 25°45 | 28°19 | 5° 6 | 19°29 | 20°19 | 4°47 | 12°33 | S 17 |
| S 18 | 16 8 21 | 2°55'25 | 6♋33 | 7°11 | 7°37 | 0♌ 0 | 29°11 | 17°20 | 25°46 | 28°19 | 5° 7 | 19°22 | 20°16 | 4°53 | 12°30 | S 18 |
| M19 | 16 12 18 | 3°52'46 | 21°22 | 9°21 | 8°50 | 0°35 | 29°24 | 17°23 | 25°47 | 28°18 | 5° 8 | 19°17 | 20°13 | 5° 0 | 12°28 | M19 |
| T 20 | 16 16 14 | 4°50'07 | 5♌53 | 11°30 | 10° 4 | 1°10 | 29°36 | 17°27 | 25°49 | 28°18 | 5°10 | 19°15 | 20° 9 | 5° 7 | 12°25 | T 20 |
| W21 | 16 20 11 | 5°47'27 | 20° 2 | 13°38 | 11°18 | 1°45 | 29°49 | 17°31 | 25°50 | 28°17 | 5°11 | 19°D14 | 20° 6 | 5°14 | 12°22 | W21 |
| T 22 | 16 24 7 | 6°44'45 | 3♍50 | 15°45 | 12°31 | 2°19 | 0♋ 2 | 17°35 | 25°51 | 28°17 | 5°12 | 19°R14 | 20° 3 | 5°20 | 12°20 | T 22 |
| F 23 | 16 28 4 | 7°42'02 | 17°17 | 17°49 | 13°45 | 2°54 | 0°15 | 17°39 | 25°53 | 28°17 | 5°13 | 19°14 | 20° 0 | 5°27 | 12°17 | F 23 |
| S 24 | 16 32 1 | 8°39'19 | 0♎25 | 19°52 | 14°59 | 3°29 | 0°28 | 17°43 | 25°54 | 28°16 | 5°14 | 19°12 | 19°57 | 5°34 | 12°14 | S 24 |
| S 25 | 16 35 57 | 9°36'34 | 13°17 | 21°53 | 16°12 | 4° 4 | 0°41 | 17°47 | 25°55 | 28°16 | 5°15 | 19° 8 | 19°54 | 5°40 | 12°11 | S 25 |
| M26 | 16 39 54 | 10°33'49 | 25°56 | 23°52 | 17°26 | 4°39 | 0°54 | 17°52 | 25°57 | 28°16 | 5°17 | 19° 1 | 19°50 | 5°47 | 12° 9 | M26 |
| T 27 | 16 43 50 | 11°31'03 | 8♏23 | 25°49 | 18°40 | 5°14 | 1° 7 | 17°56 | 25°58 | 28°16 | 5°18 | 18°52 | 19°47 | 5°54 | 12° 6 | T 27 |
| W28 | 16 47 47 | 12°28'16 | 20°40 | 27°43 | 19°53 | 5°49 | 1°20 | 18° 0 | 26° 0 | 28°15 | 5°19 | 18°41 | 19°44 | 6° 0 | 12° 3 | W28 |
| T 29 | 16 51 43 | 13°25'29 | 2♐49 | 29°36 | 21° 7 | 6°24 | 1°33 | 18° 5 | 26° 2 | 28°15 | 5°20 | 18°29 | 19°41 | 6° 7 | 12° 0 | T 29 |
| F 30 | 16 55 40 | 14°22'41 | 14°51 | 1♋26 | 22°21 | 7° 0 | 1°47 | 18°10 | 26° 3 | 28°15 | 5°21 | 18°18 | 19°38 | 6°14 | 11°57 | F 30 |
| S 31 | 16 59 36 | 15♊19'53 | 26♐46 | 3♋14 | 23♊34 | 7♌35 | 2♋ 0 | 18♌14 | 26♌ 5 | 28♍15 | 5♉22 | 18♌ 7 | 19♌34 | 6♑20 | 11♑54 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n53 | 13s59 | 5n 0 | 10n28 | 1s41 | 16n24 | 0s32 | 23n38 | 1n39 | 23n30 | 0n 1 | 17n24 | 1n31 | 13n46 | 0n46 | 2n 4 | 1n36 | 1s13 | 15s14 | 14n30 | 14n31 | 19s41 | 16s35 | 6n21 |
| F 2 | 17 10 | 16 40 | 4 50 | 11 15 | 1 32 | 16 47 | 0 29 | 23 32 | 1 38 | 23 31 | 0 2 | 17 24 | 1 31 | 13 46 | 0 46 | 2 4 | 1 36 | 1 12 | 15 14 | 14 34 | 14 32 | 19 41 | 16 34 | 6 22 |
| S 3 | 17 26 | 18 35 | 4 27 | 12 3 | 1 23 | 17 10 | 0 27 | 23 26 | 1 38 | 23 31 | 0 2 | 17 23 | 1 31 | 13 46 | 0 46 | 2 4 | 1 36 | 1 12 | 15 14 | 14 38 | 14 33 | 19 42 | 16 34 | 6 22 |
| S 4 | 17 41 | 19 40 | 3 53 | 12 50 | 1 13 | 17 32 | 0 25 | 23 20 | 1 37 | 23 32 | 0 2 | 17 22 | 1 31 | 13 46 | 0 46 | 2 5 | 1 36 | 1 11 | 15 14 | 14 41 | 14 34 | 19 42 | 16 34 | 6 23 |
| M 5 | 17 57 | 19 53 | 3 9 | 13 38 | 1 4 | 17 54 | 0 23 | 23 14 | 1 36 | 23 32 | 0 2 | 17 21 | 1 31 | 13 46 | 0 46 | 2 5 | 1 36 | 1 11 | 15 14 | 14 43 | 14 35 | 19 42 | 16 33 | 6 23 |
| T 6 | 18 12 | 19 13 | 2 17 | 14 26 | 0 53 | 18 15 | 0 20 | 23 8 | 1 36 | 23 32 | 0 2 | 17 20 | 1 31 | 13 46 | 0 46 | 2 5 | 1 36 | 1 11 | 15 14 | 14 44 | 14 36 | 19 43 | 16 33 | 6 24 |
| W 7 | 18 27 | 17 43 | 1 18 | 15 14 | 0 43 | 18 35 | 0 18 | 23 1 | 1 35 | 23 33 | 0 2 | 17 20 | 1 30 | 13 45 | 0 46 | 2 5 | 1 36 | 1 10 | 15 14 | 14 45 | 14 37 | 19 43 | 16 33 | 6 24 |
| T 8 | 18 42 | 15 24 | 0 15 | 16 1 | 0 33 | 18 56 | 0 16 | 22 55 | 1 35 | 23 33 | 0 2 | 17 19 | 1 30 | 13 45 | 0 46 | 2 6 | 1 36 | 1 10 | 15 14 | 14 45 | 14 38 | 19 44 | 16 32 | 6 25 |
| F 9 | 18 56 | 12 23 | 0s49 | 16 48 | 0 22 | 19 15 | 0 13 | 22 48 | 1 34 | 23 34 | 0 2 | 17 18 | 1 30 | 13 45 | 0 46 | 2 6 | 1 36 | 1 10 | 15 15 | 14 45 | 14 39 | 19 44 | 16 32 | 6 25 |
| S 10 | 19 10 | 8 43 | 1 53 | 17 33 | 0 11 | 19 35 | 0 11 | 22 41 | 1 34 | 23 34 | 0 2 | 17 17 | 1 30 | 13 45 | 0 46 | 2 6 | 1 36 | 1 9 | 15 15 | 14 45 | 14 40 | 19 45 | 16 32 | 6 26 |
| S 11 | 19 24 | 4 33 | 2 53 | 18 18 | 0 1 | 19 53 | 0 9 | 22 34 | 1 33 | 23 34 | 0 2 | 17 16 | 1 30 | 13 44 | 0 45 | 2 7 | 1 36 | 1 9 | 15 15 | 14 46 | 14 41 | 19 45 | 16 32 | 6 26 |
| M12 | 19 37 | 0 2 | 3 46 | 19 1 | 0n10 | 20 12 | 0 6 | 22 27 | 1 32 | 23 35 | 0 3 | 17 15 | 1 30 | 13 44 | 0 45 | 2 7 | 1 36 | 1 9 | 15 15 | 14 48 | 14 42 | 19 45 | 16 31 | 6 27 |
| T 13 | 19 50 | 4n39 | 4 27 | 19 43 | 0 20 | 20 29 | 0 4 | 22 20 | 1 32 | 23 35 | 0 3 | 17 14 | 1 30 | 13 44 | 0 45 | 2 7 | 1 36 | 1 8 | 15 15 | 14 50 | 14 43 | 19 46 | 16 31 | 6 27 |
| W14 | 20 3 | 9 13 | 4 53 | 20 24 | 0 31 | 20 46 | 0 2 | 22 12 | 1 31 | 23 35 | 0 3 | 17 13 | 1 30 | 13 43 | 0 45 | 2 7 | 1 36 | 1 8 | 15 15 | 14 53 | 14 44 | 19 46 | 16 31 | 6 28 |
| T 15 | 20 15 | 13 22 | 5 1 | 21 2 | 0 41 | 21 3 | 0n 1 | 22 5 | 1 31 | 23 35 | 0 3 | 17 12 | 1 30 | 13 43 | 0 45 | 2 7 | 1 36 | 1 8 | 15 15 | 14 56 | 14 45 | 19 47 | 16 31 | 6 28 |
| F 16 | 20 27 | 16 45 | 4 48 | 21 38 | 0 50 | 21 19 | 0 3 | 21 57 | 1 30 | 23 36 | 0 3 | 17 10 | 1 30 | 13 43 | 0 45 | 2 8 | 1 36 | 1 7 | 15 15 | 15 0 | 14 46 | 19 47 | 16 30 | 6 28 |
| S 17 | 20 39 | 19 1 | 4 16 | 22 12 | 0 59 | 21 34 | 0 6 | 21 49 | 1 29 | 23 36 | 0 3 | 17 9 | 1 30 | 13 42 | 0 45 | 2 8 | 1 36 | 1 7 | 15 15 | 15 3 | 14 47 | 19 47 | 16 30 | 6 29 |
| S 18 | 20 50 | 19 58 | 3 26 | 22 44 | 1 8 | 21 49 | 0 8 | 21 41 | 1 29 | 23 36 | 0 3 | 17 8 | 1 30 | 13 42 | 0 45 | 2 8 | 1 35 | 1 7 | 15 15 | 15 5 | 14 48 | 19 48 | 16 30 | 6 29 |
| M19 | 21 1 | 19 30 | 2 22 | 23 13 | 1 16 | 22 3 | 0 10 | 21 33 | 1 28 | 23 36 | 0 3 | 17 7 | 1 30 | 13 41 | 0 45 | 2 8 | 1 35 | 1 7 | 15 16 | 15 7 | 14 49 | 19 48 | 16 30 | 6 30 |
| T 20 | 21 12 | 17 45 | 1 10 | 23 39 | 1 24 | 22 16 | 0 13 | 21 25 | 1 28 | 23 36 | 0 3 | 17 6 | 1 29 | 13 41 | 0 45 | 2 8 | 1 35 | 1 6 | 15 16 | 15 7 | 14 50 | 19 48 | 16 30 | 6 30 |
| W21 | 21 22 | 14 56 | 0n 4 | 24 3 | 1 31 | 22 29 | 0 15 | 21 17 | 1 27 | 23 36 | 0 3 | 17 4 | 1 29 | 13 40 | 0 45 | 2 8 | 1 35 | 1 6 | 15 16 | 15 7 | 14 51 | 19 49 | 16 30 | 6 30 |
| T 22 | 21 32 | 11 20 | 1 17 | 24 24 | 1 37 | 22 41 | 0 17 | 21 8 | 1 27 | 23 37 | 0 4 | 17 3 | 1 29 | 13 40 | 0 45 | 2 8 | 1 35 | 1 6 | 15 16 | 15 7 | 14 52 | 19 49 | 16 29 | 6 31 |
| F 23 | 21 42 | 7 14 | 2 23 | 24 42 | 1 43 | 22 53 | 0 20 | 21 0 | 1 26 | 23 37 | 0 4 | 17 2 | 1 29 | 13 40 | 0 45 | 2 9 | 1 35 | 1 6 | 15 16 | 15 7 | 14 53 | 19 50 | 16 29 | 6 31 |
| S 24 | 21 51 | 2 54 | 3 20 | 24 57 | 1 48 | 23 4 | 0 22 | 20 51 | 1 25 | 23 37 | 0 4 | 17 0 | 1 29 | 13 39 | 0 45 | 2 9 | 1 35 | 1 5 | 15 16 | 15 8 | 14 54 | 19 50 | 16 29 | 6 31 |
| S 25 | 22 0 | 1s30 | 4 6 | 25 10 | 1 52 | 23 14 | 0 25 | 20 42 | 1 25 | 23 37 | 0 4 | 16 59 | 1 29 | 13 38 | 0 45 | 2 9 | 1 35 | 1 5 | 15 16 | 15 9 | 14 55 | 19 50 | 16 29 | 6 32 |
| M26 | 22 8 | 5 44 | 4 39 | 25 20 | 1 55 | 23 24 | 0 27 | 20 33 | 1 24 | 23 37 | 0 4 | 16 58 | 1 29 | 13 38 | 0 45 | 2 9 | 1 35 | 1 5 | 15 17 | 15 11 | 14 56 | 19 51 | 16 29 | 6 32 |
| T 27 | 22 16 | 9 40 | 4 58 | 25 27 | 1 58 | 23 33 | 0 29 | 20 24 | 1 24 | 23 37 | 0 4 | 16 56 | 1 29 | 13 37 | 0 45 | 2 9 | 1 35 | 1 5 | 15 17 | 15 14 | 14 57 | 19 51 | 16 29 | 6 32 |
| W28 | 22 24 | 13 8 | 5 2 | 25 32 | 2 0 | 23 41 | 0 31 | 20 15 | 1 23 | 23 37 | 0 4 | 16 55 | 1 29 | 13 37 | 0 45 | 2 9 | 1 35 | 1 5 | 15 17 | 15 18 | 14 58 | 19 51 | 16 29 | 6 33 |
| T 29 | 22 31 | 16 1 | 4 53 | 25 34 | 2 1 | 23 49 | 0 34 | 20 5 | 1 23 | 23 37 | 0 4 | 16 53 | 1 29 | 13 36 | 0 45 | 2 9 | 1 35 | 1 4 | 15 17 | 15 21 | 14 59 | 19 52 | 16 29 | 6 33 |
| F 30 | 22 38 | 18 12 | 4 31 | 25 34 | 2 2 | 23 56 | 0 36 | 19 56 | 1 22 | 23 37 | 0 4 | 16 52 | 1 29 | 13 36 | 0 45 | 2 9 | 1 35 | 1 4 | 15 17 | 15 25 | 15 0 | 19 52 | 16 29 | 6 33 |
| S 31 | 22n44 | 19s33 | 3n57 | 25n32 | 2n 2 | 24n 2 | 0n38 | 19n46 | 1n22 | 23n37 | 0n 4 | 16n50 | 1n29 | 13n35 | 0n45 | 2n 9 | 1n35 | 1s 4 | 15s17 | 15n28 | 15n 1 | 19s52 | 16s29 | 6n34 |

Julian Day Number = 2131719.5, Delta T = 16m28s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°31'56, Lahiri = 11°38'56 Julian Calendar 1 May 1124 == Greg. Calendar 8 May 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## JUNE 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 3 33 | 16♊17'04 | 8♑37 | 4♋59 | 24♊48 | 8♌10 | 2♋13 | 18♌19 | 26♌ 7 | 28°R15 | 5♉23 | 17°R59 | 19♌31 | 6♑27 | 11°R50 | S 1 |
| M 2 | 17 7 30 | 17°14'15 | 20°26 | 6°42 | 26° 2 | 8°46 | 2°26 | 18°24 | 26° 9 | 28♍15 | 5°24 | 17♌53 | 19°28 | 6°34 | 11♑47 | M 2 |
| T 3 | 17 11 26 | 18°11'26 | 2♒15 | 8°23 | 27°15 | 9°21 | 2°40 | 18°29 | 26°11 | 28°D15 | 5°25 | 17°49 | 19°25 | 6°40 | 11°44 | T 3 |
| W 4 | 17 15 23 | 19° 8'36 | 14° 8 | 10° 2 | 28°29 | 9°57 | 2°53 | 18°34 | 26°13 | 28°15 | 5°26 | 17°D48 | 19°22 | 6°47 | 11°41 | W 4 |
| T 5 | 17 19 19 | 20° 5'47 | 26° 9 | 11°38 | 29°42 | 10°32 | 3° 6 | 18°39 | 26°15 | 28°15 | 5°27 | 17°48 | 19°19 | 6°54 | 11°37 | T 5 |
| F 6 | 17 23 16 | 21° 2'57 | 8♓22 | 13°12 | 0♋56 | 11° 8 | 3°19 | 18°44 | 26°17 | 28°15 | 5°28 | 17°49 | 19°15 | 7° 0 | 11°34 | F 6 |
| S 7 | 17 27 12 | 22° 0'08 | 20°53 | 14°43 | 2°10 | 11°43 | 3°33 | 18°49 | 26°19 | 28°15 | 5°29 | 17°R50 | 19°12 | 7° 7 | 11°31 | S 7 |
| S 8 | 17 31 9 | 22°57'18 | 3♈46 | 16°12 | 3°23 | 12°19 | 3°46 | 18°54 | 26°21 | 28°15 | 5°30 | 17°49 | 19° 9 | 7°14 | 11°27 | S 8 |
| M 9 | 17 35 6 | 23°54'29 | 17° 5 | 17°39 | 4°37 | 12°55 | 3°59 | 19° 0 | 26°23 | 28°16 | 5°31 | 17°47 | 19° 6 | 7°21 | 11°24 | M 9 |
| T 10 | 17 39 2 | 24°51'40 | 0♉52 | 19° 3 | 5°51 | 13°31 | 4°13 | 19° 5 | 26°25 | 28°16 | 5°32 | 17°42 | 19° 3 | 7°27 | 11°20 | T 10 |
| W11 | 17 42 59 | 25°48'51 | 15° 9 | 20°24 | 7° 4 | 14° 7 | 4°26 | 19°10 | 26°27 | 28°16 | 5°33 | 17°36 | 19° 0 | 7°34 | 11°17 | W11 |
| T 12 | 17 46 55 | 26°46'02 | 29°51 | 21°44 | 8°18 | 14°42 | 4°40 | 19°16 | 26°30 | 28°16 | 5°34 | 17°29 | 18°56 | 7°41 | 11°13 | T 12 |
| F 13 | 17 50 52 | 27°43'13 | 14♊54 | 23° 0 | 9°31 | 15°18 | 4°53 | 19°22 | 26°32 | 28°17 | 5°35 | 17°22 | 18°53 | 7°47 | 11°10 | F 13 |
| S 14 | 17 54 48 | 28°40'25 | 0♋ 7 | 24°14 | 10°45 | 15°54 | 5° 7 | 19°27 | 26°34 | 28°17 | 5°36 | 17°15 | 18°50 | 7°54 | 11° 6 | S 14 |
| S 15 | 17 58 45 | 29°37'36 | 15°20 | 25°25 | 11°59 | 16°31 | 5°20 | 19°33 | 26°37 | 28°17 | 5°37 | 17°10 | 18°47 | 8° 1 | 11° 3 | S 15 |
| M16 | 18 2 41 | 0♋34'47 | 0♌24 | 26°34 | 13°12 | 17° 7 | 5°33 | 19°39 | 26°39 | 28°18 | 5°38 | 17° 7 | 18°44 | 8° 7 | 10°59 | M16 |
| T 17 | 18 6 38 | 1°31'59 | 15° 9 | 27°40 | 14°26 | 17°43 | 5°47 | 19°44 | 26°42 | 28°18 | 5°39 | 17°D 6 | 18°40 | 8°14 | 10°56 | T 17 |
| W18 | 18 10 35 | 2°29'10 | 29°31 | 28°43 | 15°40 | 18°19 | 6° 0 | 19°50 | 26°44 | 28°19 | 5°39 | 17° 6 | 18°37 | 8°21 | 10°52 | W18 |
| T 19 | 18 14 31 | 3°26'21 | 13♍28 | 29°42 | 16°53 | 18°55 | 6°14 | 19°56 | 26°47 | 28°19 | 5°40 | 17° 7 | 18°34 | 8°27 | 10°48 | T 19 |
| F 20 | 18 18 28 | 4°23'32 | 27° 0 | 0♌39 | 18° 7 | 19°32 | 6°27 | 20° 2 | 26°49 | 28°20 | 5°41 | 17° 8 | 18°31 | 8°34 | 10°45 | F 20 |
| S 21 | 18 22 24 | 5°20'43 | 10♎ 8 | 1°33 | 19°20 | 20° 8 | 6°41 | 20° 8 | 26°52 | 28°20 | 5°42 | 17°R 8 | 18°28 | 8°41 | 10°41 | S 21 |
| S 22 | 18 26 21 | 6°17'53 | 22°56 | 2°23 | 20°34 | 20°44 | 6°54 | 20°14 | 26°55 | 28°21 | 5°43 | 17° 7 | 18°25 | 8°47 | 10°37 | S 22 |
| M23 | 18 30 17 | 7°15'04 | 5♏28 | 3°10 | 21°48 | 21°21 | 7° 8 | 20°21 | 26°57 | 28°22 | 5°43 | 17° 4 | 18°21 | 8°54 | 10°34 | M23 |
| T 24 | 18 34 14 | 8°12'15 | 17°46 | 3°53 | 23° 1 | 21°57 | 7°21 | 20°27 | 27° 0 | 28°22 | 5°44 | 16°59 | 18°18 | 9° 1 | 10°30 | T 24 |
| W25 | 18 38 10 | 9° 9'26 | 29°53 | 4°32 | 24°15 | 22°34 | 7°35 | 20°33 | 27° 3 | 28°23 | 5°45 | 16°53 | 18°15 | 9° 7 | 10°26 | W25 |
| T 26 | 18 42 7 | 10° 6'38 | 11♐53 | 5° 8 | 25°28 | 23°11 | 7°48 | 20°39 | 27° 6 | 28°24 | 5°45 | 16°47 | 18°12 | 9°14 | 10°23 | T 26 |
| F 27 | 18 46 4 | 11° 3'49 | 23°47 | 5°39 | 26°42 | 23°47 | 8° 1 | 20°46 | 27° 9 | 28°24 | 5°46 | 16°40 | 18° 9 | 9°21 | 10°19 | F 27 |
| S 28 | 18 50 0 | 12° 1'01 | 5♑38 | 6° 6 | 27°55 | 24°24 | 8°15 | 20°52 | 27°12 | 28°25 | 5°47 | 16°35 | 18° 6 | 9°27 | 10°15 | S 28 |
| S 29 | 18 53 57 | 12°58'14 | 17°28 | 6°29 | 29° 9 | 25° 1 | 8°28 | 20°59 | 27°14 | 28°26 | 5°47 | 16°30 | 18° 2 | 9°34 | 10°12 | S 29 |
| M30 | 18 57 53 | 13♋55'27 | 29♑18 | 6♌48 | 0♌23 | 25♌37 | 8♋42 | 21♌ 5 | 27♌17 | 28♍27 | 5♉48 | 16♌27 | 17♌59 | 9♑41 | 10♑ 8 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n50 | 20s 3 | 3n13 | 25n28 | 2n 1 | 24n 7 | 0n40 | 19n37 | 1n21 | 23n36 | 0n 4 | 16n49 | 1n29 | 13n34 | 0n45 | 2n 9 | 1n35 | 1s 4 | 15s18 | 15n31 | 15n 2 | 19s53 | 16s29 | 6n34 |
| M 2 | 22 56 | 19 40 | 2 21 | 25 22 | 1 59 | 24 12 | 0 42 | 19 27 | 1 20 | 23 36 | 0 5 | 16 47 | 1 29 | 13 34 | 0 45 | 2 9 | 1 35 | 1 4 | 15 18 | 15 33 | 15 3 | 19 53 | 16 29 | 6 34 |
| T 3 | 23 1 | 18 25 | 1 22 | 25 14 | 1 57 | 24 16 | 0 45 | 19 17 | 1 20 | 23 36 | 0 5 | 16 46 | 1 28 | 13 33 | 0 45 | 2 9 | 1 35 | 1 4 | 15 18 | 15 34 | 15 4 | 19 53 | 16 29 | 6 35 |
| W 4 | 23 6 | 16 21 | 0 20 | 25 4 | 1 54 | 24 19 | 0 47 | 19 7 | 1 19 | 23 36 | 0 5 | 16 44 | 1 28 | 13 32 | 0 45 | 2 9 | 1 35 | 1 3 | 15 18 | 15 34 | 15 5 | 19 54 | 16 29 | 6 35 |
| T 5 | 23 11 | 13 34 | 0s45 | 24 52 | 1 50 | 24 22 | 0 49 | 18 56 | 1 19 | 23 36 | 0 5 | 16 42 | 1 28 | 13 32 | 0 45 | 2 9 | 1 35 | 1 3 | 15 18 | 15 34 | 15 6 | 19 54 | 16 29 | 6 35 |
| F 6 | 23 15 | 10 8 | 1 48 | 24 39 | 1 46 | 24 24 | 0 51 | 18 46 | 1 18 | 23 35 | 0 5 | 16 41 | 1 28 | 13 31 | 0 45 | 2 9 | 1 35 | 1 3 | 15 18 | 15 34 | 15 7 | 19 54 | 16 29 | 6 35 |
| S 7 | 23 18 | 6 12 | 2 48 | 24 25 | 1 41 | 24 25 | 0 53 | 18 35 | 1 18 | 23 35 | 0 5 | 16 39 | 1 28 | 13 30 | 0 44 | 2 9 | 1 35 | 1 3 | 15 19 | 15 34 | 15 8 | 19 55 | 16 29 | 6 36 |
| S 8 | 23 22 | 1 53 | 3 41 | 24 9 | 1 36 | 24 25 | 0 55 | 18 25 | 1 17 | 23 35 | 0 5 | 16 37 | 1 28 | 13 29 | 0 44 | 2 8 | 1 35 | 1 3 | 15 19 | 15 34 | 15 9 | 19 55 | 16 29 | 6 36 |
| M 9 | 23 25 | 2n40 | 4 24 | 23 52 | 1 30 | 24 25 | 0 57 | 18 14 | 1 16 | 23 35 | 0 5 | 16 36 | 1 28 | 13 29 | 0 44 | 2 8 | 1 35 | 1 3 | 15 19 | 15 34 | 15 10 | 19 55 | 16 29 | 6 36 |
| T 10 | 23 27 | 7 14 | 4 54 | 23 34 | 1 23 | 24 24 | 0 59 | 18 3 | 1 16 | 23 34 | 0 5 | 16 34 | 1 28 | 13 28 | 0 44 | 2 8 | 1 34 | 1 3 | 15 19 | 15 36 | 15 11 | 19 55 | 16 29 | 6 36 |
| W11 | 23 29 | 11 34 | 5 7 | 23 14 | 1 16 | 24 22 | 1 0 | 17 52 | 1 15 | 23 34 | 0 5 | 16 32 | 1 28 | 13 27 | 0 44 | 2 8 | 1 34 | 1 3 | 15 19 | 15 38 | 15 12 | 19 56 | 16 29 | 6 37 |
| T 12 | 23 31 | 15 20 | 5 0 | 22 54 | 1 8 | 24 19 | 1 2 | 17 41 | 1 15 | 23 34 | 0 6 | 16 30 | 1 28 | 13 26 | 0 44 | 2 8 | 1 34 | 1 2 | 15 20 | 15 40 | 15 13 | 19 56 | 16 29 | 6 37 |
| F 13 | 23 32 | 18 10 | 4 33 | 22 34 | 1 0 | 24 16 | 1 4 | 17 30 | 1 14 | 23 33 | 0 6 | 16 29 | 1 28 | 13 25 | 0 44 | 2 8 | 1 34 | 1 2 | 15 20 | 15 42 | 15 14 | 19 56 | 16 29 | 6 37 |
| S 14 | 23 33 | 19 47 | 3 46 | 22 12 | 0 51 | 24 12 | 1 6 | 17 19 | 1 14 | 23 33 | 0 6 | 16 27 | 1 28 | 13 25 | 0 44 | 2 8 | 1 34 | 1 2 | 15 20 | 15 44 | 15 15 | 19 57 | 16 29 | 6 37 |
| S 15 | 23 33 | 19 58 | 2 43 | 21 50 | 0 41 | 24 8 | 1 7 | 17 7 | 1 13 | 23 32 | 0 6 | 16 25 | 1 28 | 13 24 | 0 44 | 2 7 | 1 34 | 1 2 | 15 20 | 15 46 | 15 16 | 19 57 | 16 29 | 6 37 |
| M16 | 23 33 | 18 43 | 1 29 | 21 27 | 0 32 | 24 2 | 1 9 | 16 56 | 1 12 | 23 32 | 0 6 | 16 23 | 1 28 | 13 23 | 0 44 | 2 7 | 1 34 | 1 2 | 15 21 | 15 47 | 15 17 | 19 57 | 16 30 | 6 37 |
| T 17 | 23 33 | 16 12 | 0 11 | 21 4 | 0 21 | 23 56 | 1 11 | 16 44 | 1 12 | 23 31 | 0 6 | 16 21 | 1 28 | 13 22 | 0 44 | 2 7 | 1 34 | 1 2 | 15 21 | 15 47 | 15 18 | 19 57 | 16 30 | 6 38 |
| W18 | 23 32 | 12 44 | 1n 7 | 20 41 | 0 11 | 23 49 | 1 12 | 16 32 | 1 11 | 23 31 | 0 6 | 16 19 | 1 28 | 13 21 | 0 44 | 2 7 | 1 34 | 1 2 | 15 21 | 15 47 | 15 19 | 19 58 | 16 30 | 6 38 |
| T 19 | 23 30 | 8 39 | 2 18 | 20 18 | 0s 1 | 23 42 | 1 14 | 16 21 | 1 11 | 23 30 | 0 6 | 16 17 | 1 28 | 13 20 | 0 44 | 2 6 | 1 34 | 1 2 | 15 21 | 15 47 | 15 20 | 19 58 | 16 30 | 6 38 |
| F 20 | 23 29 | 4 15 | 3 19 | 19 54 | 0 12 | 23 34 | 1 15 | 16 9 | 1 10 | 23 30 | 0 6 | 16 15 | 1 28 | 13 19 | 0 44 | 2 6 | 1 34 | 1 2 | 15 22 | 15 46 | 15 21 | 19 58 | 16 30 | 6 38 |
| S 21 | 23 27 | 0s14 | 4 8 | 19 31 | 0 24 | 23 25 | 1 17 | 15 56 | 1 10 | 23 29 | 0 6 | 16 13 | 1 28 | 13 18 | 0 44 | 2 6 | 1 34 | 1 2 | 15 22 | 15 46 | 15 22 | 19 58 | 16 30 | 6 38 |
| S 22 | 23 24 | 4 34 | 4 43 | 19 8 | 0 37 | 23 15 | 1 18 | 15 44 | 1 9 | 23 29 | 0 7 | 16 11 | 1 28 | 13 17 | 0 44 | 2 6 | 1 34 | 1 2 | 15 22 | 15 47 | 15 23 | 19 59 | 16 31 | 6 38 |
| M23 | 23 21 | 8 37 | 5 4 | 18 45 | 0 49 | 23 5 | 1 19 | 15 32 | 1 9 | 23 28 | 0 7 | 16 9 | 1 28 | 13 16 | 0 44 | 2 5 | 1 34 | 1 2 | 15 22 | 15 48 | 15 24 | 19 59 | 16 31 | 6 38 |
| T 24 | 23 18 | 12 14 | 5 10 | 18 22 | 1 2 | 22 54 | 1 20 | 15 20 | 1 8 | 23 27 | 0 7 | 16 7 | 1 28 | 13 15 | 0 44 | 2 5 | 1 34 | 1 2 | 15 23 | 15 49 | 15 25 | 19 59 | 16 31 | 6 38 |
| W25 | 23 14 | 15 18 | 5 2 | 18 0 | 1 16 | 22 42 | 1 22 | 15 7 | 1 7 | 23 27 | 0 7 | 16 5 | 1 28 | 13 14 | 0 44 | 2 5 | 1 34 | 1 2 | 15 23 | 15 51 | 15 26 | 19 59 | 16 31 | 6 38 |
| T 26 | 23 10 | 17 40 | 4 41 | 17 38 | 1 29 | 22 30 | 1 23 | 14 54 | 1 7 | 23 26 | 0 7 | 16 3 | 1 28 | 13 13 | 0 44 | 2 4 | 1 34 | 1 2 | 15 23 | 15 53 | 15 27 | 20 0 | 16 31 | 6 38 |
| F 27 | 23 5 | 19 16 | 4 8 | 17 17 | 1 43 | 22 17 | 1 24 | 14 42 | 1 6 | 23 25 | 0 7 | 16 1 | 1 27 | 13 12 | 0 44 | 2 4 | 1 34 | 1 2 | 15 23 | 15 55 | 15 28 | 20 0 | 16 32 | 6 38 |
| S 28 | 23 0 | 20 2 | 3 24 | 16 57 | 1 57 | 22 3 | 1 25 | 14 29 | 1 6 | 23 25 | 0 7 | 15 59 | 1 27 | 13 11 | 0 44 | 2 4 | 1 34 | 1 2 | 15 24 | 15 56 | 15 29 | 20 0 | 16 32 | 6 38 |
| S 29 | 22 55 | 19 54 | 2 32 | 16 37 | 2 11 | 21 49 | 1 26 | 14 16 | 1 5 | 23 24 | 0 7 | 15 57 | 1 27 | 13 10 | 0 44 | 2 3 | 1 34 | 1 2 | 15 24 | 15 58 | 15 30 | 20 0 | 16 32 | 6 38 |
| M30 | 22n49 | 18s53 | 1n32 | 16n19 | 2s25 | 21n34 | 1n26 | 14n 3 | 1n 5 | 23n23 | 0n 7 | 15n55 | 1n27 | 13n 9 | 0n44 | 2n 3 | 1n34 | 1s 2 | 15s24 | 15n59 | 15n31 | 20s 1 | 16s32 | 6n38 |

Julian Day Number = 2131750.5, Delta T = 16m28s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'00, Lahiri = 11°39'01 Julian Calendar 1 June 1124 == Greg. Calendar 8 June 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## JULY 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 1 50 | 14♋52'41 | 11♒11 | 7♌ 2 | 1♌36 | 26♌14 | 8♋55 | 21♌12 | 27♌20 | 28♍28 | 5♉49 | 16°D26 | 17♌56 | 9♏47 | 10°R 5 | T 1 |
| W 2 | 19 5 46 | 15°49'55 | 23° 9 | 7°11 | 2°50 | 26°51 | 9° 9 | 21°18 | 27°23 | 28°29 | 5°49 | 16♌26 | 17°53 | 9°54 | 10♏ 1 | W 2 |
| T 3 | 19 9 43 | 16°47'10 | 5♓15 | 7°R15 | 4° 3 | 27°28 | 9°22 | 21°25 | 27°26 | 28°30 | 5°50 | 16°27 | 17°50 | 10° 1 | 9°57 | T 3 |
| F 4 | 19 13 39 | 17°44'26 | 17°33 | 7°15 | 5°17 | 28° 5 | 9°35 | 21°32 | 27°30 | 28°31 | 5°50 | 16°29 | 17°46 | 10° 7 | 9°54 | F 4 |
| S 5 | 19 17 36 | 18°41'42 | 0♈ 7 | 7° 9 | 6°30 | 28°42 | 9°49 | 21°38 | 27°33 | 28°32 | 5°51 | 16°30 | 17°43 | 10°14 | 9°50 | S 5 |
| S 6 | 19 21 33 | 19°39'00 | 13° 0 | 6°58 | 7°44 | 29°19 | 10° 2 | 21°45 | 27°36 | 28°33 | 5°51 | 16°31 | 17°40 | 10°21 | 9°46 | S 6 |
| M 7 | 19 25 29 | 20°36'19 | 26°15 | 6°43 | 8°57 | 29°56 | 10°16 | 21°52 | 27°39 | 28°34 | 5°52 | 16°R31 | 17°37 | 10°27 | 9°43 | M 7 |
| T 8 | 19 29 26 | 21°33'39 | 9♉56 | 6°22 | 10°11 | 0♍34 | 10°29 | 21°59 | 27°42 | 28°35 | 5°52 | 16°30 | 17°34 | 10°34 | 9°39 | T 8 |
| W 9 | 19 33 22 | 22°31'00 | 24° 3 | 5°57 | 11°24 | 1°11 | 10°42 | 22° 6 | 27°45 | 28°36 | 5°53 | 16°28 | 17°31 | 10°41 | 9°36 | W 9 |
| T 10 | 19 37 19 | 23°28'22 | 8♊34 | 5°27 | 12°38 | 1°48 | 10°55 | 22°13 | 27°49 | 28°37 | 5°53 | 16°25 | 17°27 | 10°48 | 9°32 | T 10 |
| F 11 | 19 41 15 | 24°25'45 | 23°26 | 4°54 | 13°51 | 2°25 | 11° 9 | 22°20 | 27°52 | 28°38 | 5°54 | 16°22 | 17°24 | 10°54 | 9°29 | F 11 |
| S 12 | 19 45 12 | 25°23'09 | 8♋32 | 4°16 | 15° 5 | 3° 3 | 11°22 | 22°27 | 27°55 | 28°39 | 5°54 | 16°20 | 17°21 | 11° 1 | 9°25 | S 12 |
| S 13 | 19 49 8 | 26°20'35 | 23°42 | 3°35 | 16°18 | 3°40 | 11°35 | 22°34 | 27°58 | 28°41 | 5°54 | 16°18 | 17°18 | 11° 8 | 9°22 | S 13 |
| M14 | 19 53 5 | 27°18'01 | 8♌48 | 2°52 | 17°32 | 4°18 | 11°48 | 22°41 | 28° 2 | 28°42 | 5°55 | 16°17 | 17°15 | 11°14 | 9°19 | M14 |
| T 15 | 19 57 2 | 28°15'28 | 23°40 | 2° 7 | 18°45 | 4°55 | 12° 2 | 22°48 | 28° 5 | 28°43 | 5°55 | 16°D17 | 17°11 | 11°21 | 9°15 | T 15 |
| W16 | 20 0 58 | 29°12'56 | 8♍11 | 1°21 | 19°59 | 5°33 | 12°15 | 22°55 | 28° 9 | 28°44 | 5°55 | 16°18 | 17° 8 | 11°28 | 9°12 | W16 |
| T 17 | 20 4 55 | 0♌10'25 | 22°17 | 0°34 | 21°12 | 6°10 | 12°28 | 23° 2 | 28°12 | 28°46 | 5°56 | 16°19 | 17° 5 | 11°34 | 9° 9 | T 17 |
| F 18 | 20 8 51 | 1° 7'54 | 5♎57 | 29♋48 | 22°26 | 6°48 | 12°41 | 23° 9 | 28°15 | 28°47 | 5°56 | 16°20 | 17° 2 | 11°41 | 9° 5 | F 18 |
| S 19 | 20 12 48 | 2° 5'25 | 19°11 | 29° 3 | 23°39 | 7°26 | 12°54 | 23°17 | 28°19 | 28°49 | 5°56 | 16°21 | 16°59 | 11°48 | 9° 2 | S 19 |
| S 20 | 20 16 44 | 3° 2'56 | 2♏ 2 | 28°21 | 24°52 | 8° 4 | 13° 7 | 23°24 | 28°22 | 28°50 | 5°56 | 16°R21 | 16°56 | 11°54 | 8°59 | S 20 |
| M21 | 20 20 41 | 4° 0'28 | 14°32 | 27°41 | 26° 6 | 8°41 | 13°20 | 23°31 | 28°26 | 28°51 | 5°56 | 16°21 | 16°52 | 12° 1 | 8°56 | M21 |
| T 22 | 20 24 37 | 4°58'01 | 26°47 | 27° 6 | 27°19 | 9°19 | 13°33 | 23°38 | 28°29 | 28°53 | 5°57 | 16°20 | 16°49 | 12° 8 | 8°53 | T 22 |
| W23 | 20 28 34 | 5°55'35 | 8♐50 | 26°35 | 28°33 | 9°57 | 13°46 | 23°46 | 28°33 | 28°54 | 5°57 | 16°19 | 16°46 | 12°14 | 8°49 | W23 |
| T 24 | 20 32 31 | 6°53'10 | 20°45 | 26°10 | 29°46 | 10°35 | 13°59 | 23°53 | 28°36 | 28°56 | 5°57 | 16°18 | 16°43 | 12°21 | 8°46 | T 24 |
| F 25 | 20 36 27 | 7°50'47 | 2♑36 | 25°50 | 0♍59 | 11°13 | 14°12 | 24° 0 | 28°40 | 28°57 | 5°57 | 16°16 | 16°40 | 12°28 | 8°43 | F 25 |
| S 26 | 20 40 24 | 8°48'24 | 14°25 | 25°37 | 2°13 | 11°51 | 14°24 | 24° 8 | 28°44 | 28°59 | 5°57 | 16°15 | 16°37 | 12°34 | 8°41 | S 26 |
| S 27 | 20 44 20 | 9°46'02 | 26°16 | 25°D31 | 3°26 | 12°29 | 14°37 | 24°15 | 28°47 | 29° 1 | 5°57 | 16°15 | 16°33 | 12°41 | 8°38 | S 27 |
| M28 | 20 48 17 | 10°43'42 | 8♒11 | 25°32 | 4°39 | 13° 7 | 14°50 | 24°23 | 28°51 | 29° 2 | 5°57 | 16°14 | 16°30 | 12°48 | 8°35 | M28 |
| T 29 | 20 52 13 | 11°41'23 | 20°12 | 25°40 | 5°53 | 13°46 | 15° 3 | 24°30 | 28°54 | 29° 4 | 5°57 | 16°D14 | 16°27 | 12°54 | 8°32 | T 29 |
| W30 | 20 56 10 | 12°39'06 | 2♓20 | 25°55 | 7° 6 | 14°24 | 15°15 | 24°37 | 28°58 | 29° 5 | 5°R57 | 16°14 | 16°24 | 13° 1 | 8°29 | W30 |
| T 31 | 21 0 6 | 13♌36'50 | 14♓39 | 26♋18 | 8♍19 | 15♍ 2 | 15♋28 | 24♌45 | 29♌ 2 | 29♍ 7 | 5♉57 | 16♌15 | 16♌21 | 13♏ 8 | 8♏27 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n43 | 17s 2 | 0n29 | 16n 2 | 2s39 | 21n19 | 1n27 | 13n50 | 1n 4 | 23n22 | 0n 7 | 15n53 | 1n27 | 13n 8 | 0n44 | 2n 3 | 1n34 | 1s 2 | 15s24 | 15n59 | 15n32 | 20s 1 | 16s33 | 6n38 | T 1 |
| W 2 | 22 36 | 14 27 | 0s37 | 15 46 | 2 53 | 21 3 | 1 28 | 13 37 | 1 4 | 23 21 | 0 7 | 15 51 | 1 27 | 13 7 | 0 44 | 2 2 | 1 33 | 1 2 | 15 25 | 15 59 | 15 33 | 20 1 | 16 33 | 6 38 | W 2 |
| T 3 | 22 29 | 11 12 | 1 42 | 15 32 | 3 7 | 20 46 | 1 29 | 13 24 | 1 3 | 23 21 | 0 8 | 15 48 | 1 27 | 13 6 | 0 44 | 2 2 | 1 33 | 1 3 | 15 25 | 15 59 | 15 34 | 20 1 | 16 33 | 6 38 | T 3 |
| F 4 | 22 22 | 7 26 | 2 43 | 15 19 | 3 20 | 20 29 | 1 29 | 13 10 | 1 2 | 23 20 | 0 8 | 15 46 | 1 27 | 13 5 | 0 44 | 2 1 | 1 33 | 1 3 | 15 25 | 15 58 | 15 35 | 20 1 | 16 33 | 6 38 | F 4 |
| S 5 | 22 14 | 3 16 | 3 37 | 15 8 | 3 33 | 20 11 | 1 30 | 12 57 | 1 2 | 23 19 | 0 8 | 15 44 | 1 27 | 13 4 | 0 44 | 2 1 | 1 33 | 1 3 | 15 26 | 15 58 | 15 36 | 20 2 | 16 34 | 6 38 | S 5 |
| S 6 | 22 6 | 1n 7 | 4 23 | 14 59 | 3 45 | 19 53 | 1 30 | 12 43 | 1 1 | 23 18 | 0 8 | 15 42 | 1 27 | 13 3 | 0 44 | 2 0 | 1 33 | 1 3 | 15 26 | 15 58 | 15 37 | 20 2 | 16 34 | 6 38 | S 6 |
| M 7 | 21 58 | 5 35 | 4 55 | 14 51 | 3 57 | 19 34 | 1 31 | 12 30 | 1 1 | 23 17 | 0 8 | 15 40 | 1 27 | 13 2 | 0 44 | 2 0 | 1 33 | 1 3 | 15 26 | 15 58 | 15 38 | 20 2 | 16 34 | 6 38 | M 7 |
| T 8 | 21 49 | 9 55 | 5 13 | 14 46 | 4 8 | 19 14 | 1 31 | 12 16 | 1 0 | 23 16 | 0 8 | 15 37 | 1 27 | 13 1 | 0 44 | 2 0 | 1 33 | 1 3 | 15 26 | 15 58 | 15 39 | 20 2 | 16 35 | 6 38 | T 8 |
| W 9 | 21 40 | 13 50 | 5 12 | 14 42 | 4 18 | 18 54 | 1 31 | 12 2 | 1 0 | 23 15 | 0 8 | 15 35 | 1 27 | 12 59 | 0 44 | 1 59 | 1 33 | 1 3 | 15 27 | 15 58 | 15 39 | 20 2 | 16 35 | 6 38 | W 9 |
| T 10 | 21 30 | 17 2 | 4 52 | 14 40 | 4 27 | 18 33 | 1 32 | 11 48 | 0 59 | 23 14 | 0 8 | 15 33 | 1 27 | 12 58 | 0 44 | 1 59 | 1 33 | 1 3 | 15 27 | 15 59 | 15 40 | 20 3 | 16 35 | 6 38 | T 10 |
| F 11 | 21 20 | 19 12 | 4 12 | 14 41 | 4 35 | 18 12 | 1 32 | 11 34 | 0 58 | 23 13 | 0 8 | 15 31 | 1 27 | 12 57 | 0 44 | 1 58 | 1 33 | 1 4 | 15 27 | 16 0 | 15 41 | 20 3 | 16 36 | 6 38 | F 11 |
| S 12 | 21 10 | 20 3 | 3 14 | 14 43 | 4 42 | 17 51 | 1 32 | 11 20 | 0 58 | 23 12 | 0 8 | 15 28 | 1 27 | 12 56 | 0 44 | 1 58 | 1 33 | 1 4 | 15 28 | 16 1 | 15 42 | 20 3 | 16 36 | 6 38 | S 12 |
| S 13 | 20 59 | 19 28 | 2 1 | 14 48 | 4 46 | 17 29 | 1 32 | 11 6 | 0 57 | 23 11 | 0 9 | 15 26 | 1 27 | 12 55 | 0 44 | 1 57 | 1 33 | 1 4 | 15 28 | 16 2 | 15 43 | 20 3 | 16 36 | 6 38 | S 13 |
| M14 | 20 48 | 17 29 | 0 41 | 14 54 | 4 50 | 17 6 | 1 32 | 10 52 | 0 57 | 23 10 | 0 9 | 15 24 | 1 27 | 12 54 | 0 44 | 1 56 | 1 33 | 1 4 | 15 28 | 16 2 | 15 44 | 20 3 | 16 37 | 6 38 | M14 |
| T 15 | 20 36 | 14 20 | 0n41 | 15 3 | 4 51 | 16 43 | 1 31 | 10 37 | 0 56 | 23 9 | 0 9 | 15 21 | 1 27 | 12 52 | 0 44 | 1 56 | 1 33 | 1 4 | 15 28 | 16 2 | 15 45 | 20 3 | 16 37 | 6 37 | T 15 |
| W16 | 20 25 | 10 22 | 1 58 | 15 13 | 4 51 | 16 20 | 1 31 | 10 23 | 0 56 | 23 8 | 0 9 | 15 19 | 1 27 | 12 51 | 0 43 | 1 55 | 1 33 | 1 4 | 15 29 | 16 2 | 15 46 | 20 4 | 16 37 | 6 37 | W16 |
| T 17 | 20 12 | 5 55 | 3 6 | 15 25 | 4 49 | 15 56 | 1 31 | 10 8 | 0 55 | 23 7 | 0 9 | 15 17 | 1 27 | 12 50 | 0 43 | 1 55 | 1 33 | 1 5 | 15 29 | 16 1 | 15 47 | 20 4 | 16 38 | 6 37 | T 17 |
| F 18 | 20 0 | 1 19 | 4 2 | 15 38 | 4 45 | 15 32 | 1 31 | 9 54 | 0 55 | 23 6 | 0 9 | 15 14 | 1 27 | 12 49 | 0 43 | 1 54 | 1 33 | 1 5 | 15 29 | 16 1 | 15 48 | 20 4 | 16 38 | 6 37 | F 18 |
| S 19 | 19 47 | 3s12 | 4 42 | 15 53 | 4 40 | 15 7 | 1 30 | 9 39 | 0 54 | 23 5 | 0 9 | 15 12 | 1 27 | 12 48 | 0 43 | 1 54 | 1 33 | 1 5 | 15 30 | 16 1 | 15 49 | 20 4 | 16 39 | 6 37 | S 19 |
| S 20 | 19 34 | 7 26 | 5 7 | 16 8 | 4 32 | 14 42 | 1 30 | 9 25 | 0 53 | 23 3 | 0 9 | 15 9 | 1 27 | 12 46 | 0 43 | 1 53 | 1 33 | 1 5 | 15 30 | 16 1 | 15 50 | 20 4 | 16 39 | 6 37 | S 20 |
| M21 | 19 21 | 11 14 | 5 17 | 16 25 | 4 23 | 14 16 | 1 29 | 9 10 | 0 53 | 23 2 | 0 9 | 15 7 | 1 27 | 12 45 | 0 43 | 1 52 | 1 33 | 1 5 | 15 30 | 16 1 | 15 51 | 20 4 | 16 39 | 6 36 | M21 |
| T 22 | 19 7 | 14 28 | 5 12 | 16 42 | 4 13 | 13 51 | 1 28 | 8 55 | 0 52 | 23 1 | 0 10 | 15 5 | 1 27 | 12 44 | 0 43 | 1 52 | 1 33 | 1 6 | 15 30 | 16 1 | 15 52 | 20 4 | 16 40 | 6 36 | T 22 |
| W23 | 18 53 | 17 3 | 4 53 | 17 0 | 4 1 | 13 24 | 1 28 | 8 40 | 0 52 | 23 0 | 0 10 | 15 2 | 1 27 | 12 43 | 0 43 | 1 51 | 1 33 | 1 6 | 15 31 | 16 1 | 15 53 | 20 4 | 16 40 | 6 36 | W23 |
| T 24 | 18 38 | 18 53 | 4 22 | 17 17 | 3 48 | 12 58 | 1 27 | 8 25 | 0 51 | 22 58 | 0 10 | 15 0 | 1 28 | 12 41 | 0 43 | 1 51 | 1 33 | 1 6 | 15 31 | 16 2 | 15 54 | 20 5 | 16 41 | 6 36 | T 24 |
| F 25 | 18 24 | 19 52 | 3 39 | 17 35 | 3 33 | 12 31 | 1 26 | 8 10 | 0 51 | 22 57 | 0 10 | 14 57 | 1 28 | 12 40 | 0 43 | 1 50 | 1 33 | 1 6 | 15 31 | 16 2 | 15 55 | 20 5 | 16 41 | 6 36 | F 25 |
| S 26 | 18 9 | 19 59 | 2 48 | 17 53 | 3 18 | 12 4 | 1 25 | 7 55 | 0 50 | 22 56 | 0 10 | 14 55 | 1 28 | 12 39 | 0 43 | 1 49 | 1 33 | 1 7 | 15 32 | 16 2 | 15 56 | 20 5 | 16 41 | 6 35 | S 26 |
| S 27 | 17 53 | 19 13 | 1 49 | 18 9 | 3 2 | 11 36 | 1 24 | 7 40 | 0 49 | 22 55 | 0 10 | 14 53 | 1 28 | 12 38 | 0 43 | 1 49 | 1 33 | 1 7 | 15 32 | 16 2 | 15 57 | 20 5 | 16 42 | 6 35 | S 27 |
| M28 | 17 38 | 17 35 | 0 45 | 18 26 | 2 45 | 11 8 | 1 23 | 7 25 | 0 49 | 22 53 | 0 10 | 14 50 | 1 28 | 12 36 | 0 43 | 1 48 | 1 32 | 1 7 | 15 32 | 16 3 | 15 58 | 20 5 | 16 42 | 6 35 | M28 |
| T 29 | 17 22 | 15 10 | 0s22 | 18 41 | 2 28 | 10 40 | 1 22 | 7 9 | 0 48 | 22 52 | 0 10 | 14 48 | 1 28 | 12 35 | 0 43 | 1 47 | 1 32 | 1 7 | 15 33 | 16 3 | 15 59 | 20 5 | 16 43 | 6 35 | T 29 |
| W30 | 17 5 | 12 4 | 1 28 | 18 55 | 2 11 | 10 12 | 1 21 | 6 54 | 0 48 | 22 51 | 0 10 | 14 45 | 1 28 | 12 34 | 0 43 | 1 47 | 1 32 | 1 8 | 15 33 | 16 3 | 16 0 | 20 5 | 16 43 | 6 34 | W30 |
| T 31 | 16n49 | 8s24 | 2s31 | 19n 8 | 1s54 | 9n43 | 1n20 | 6n39 | 0n47 | 22n49 | 0n11 | 14n43 | 1n28 | 12n32 | 0n43 | 1n46 | 1n32 | 1s 8 | 15s33 | 16n 2 | 16n 1 | 20s 5 | 16s44 | 6n34 | T 31 |

Julian Day Number = 2131780.5, Delta T = 16m28s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'04, Lahiri = 11°39'05 Julian Calendar 1 July 1124 == Greg. Calendar 8 July 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## AUGUST 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 4 3 | 14♌34'35 | 27♓ 9 | 26♋49 | 9♍32 | 15♍40 | 15♋40 | 24♌52 | 29♌ 5 | 29♍ 9 | 5°R57 | 16♌15 | 16♌17 | 13♏14 | 8°R24 | F 1 |
| S 2 | 21 8 0 | 15°32'22 | 9♈53 | 27°27 | 10°46 | 16°19 | 15°53 | 25° 0 | 29° 9 | 29°10 | 5♉57 | 16°15 | 16°14 | 13°21 | 8♏21 | S 2 |
| S 3 | 21 11 56 | 16°30'11 | 22°54 | 28°13 | 11°59 | 16°57 | 16° 5 | 25° 7 | 29°13 | 29°12 | 5°57 | 16°R15 | 16°11 | 13°28 | 8°19 | S 3 |
| M 4 | 21 15 53 | 17°28'02 | 6♉11 | 29° 5 | 13°12 | 17°36 | 16°18 | 25°15 | 29°16 | 29°14 | 5°57 | 16°15 | 16° 8 | 13°34 | 8°16 | M 4 |
| T 5 | 21 19 49 | 18°25'54 | 19°49 | 0♌ 5 | 14°25 | 18°14 | 16°30 | 25°22 | 29°20 | 29°16 | 5°57 | 16°D15 | 16° 5 | 13°41 | 8°14 | T 5 |
| W 6 | 21 23 46 | 19°23'49 | 3♊46 | 1°11 | 15°38 | 18°53 | 16°42 | 25°30 | 29°24 | 29°18 | 5°57 | 16°15 | 16° 2 | 13°48 | 8°12 | W 6 |
| T 7 | 21 27 42 | 20°21'45 | 18° 2 | 2°24 | 16°52 | 19°31 | 16°55 | 25°37 | 29°28 | 29°19 | 5°57 | 16°15 | 15°58 | 13°54 | 8° 9 | T 7 |
| F 8 | 21 31 39 | 21°19'43 | 2♋35 | 3°42 | 18° 5 | 20°10 | 17° 7 | 25°45 | 29°31 | 29°21 | 5°57 | 16°16 | 15°55 | 14° 1 | 8° 7 | F 8 |
| S 9 | 21 35 35 | 22°17'44 | 17°22 | 5° 6 | 19°18 | 20°49 | 17°19 | 25°52 | 29°35 | 29°23 | 5°56 | 16°16 | 15°52 | 14° 8 | 8° 5 | S 9 |
| S 10 | 21 39 32 | 23°15'45 | 2♌15 | 6°35 | 20°31 | 21°28 | 17°31 | 26° 0 | 29°39 | 29°25 | 5°56 | 16°17 | 15°49 | 14°14 | 8° 3 | S 10 |
| M11 | 21 43 29 | 24°13'49 | 17° 8 | 8° 9 | 21°44 | 22° 6 | 17°43 | 26° 8 | 29°43 | 29°27 | 5°56 | 16°R17 | 15°46 | 14°21 | 8° 1 | M11 |
| T 12 | 21 47 25 | 25°11'55 | 1♍52 | 9°47 | 22°57 | 22°45 | 17°55 | 26°15 | 29°46 | 29°29 | 5°56 | 16°17 | 15°43 | 14°28 | 7°59 | T 12 |
| W13 | 21 51 22 | 26°10'01 | 16°21 | 11°29 | 24°10 | 23°24 | 18° 7 | 26°23 | 29°50 | 29°31 | 5°55 | 16°16 | 15°39 | 14°34 | 7°57 | W13 |
| T 14 | 21 55 18 | 27° 8'10 | 0♎30 | 13°13 | 25°23 | 24° 3 | 18°19 | 26°30 | 29°54 | 29°33 | 5°55 | 16°15 | 15°36 | 14°41 | 7°55 | T 14 |
| F 15 | 21 59 15 | 28° 6'20 | 14°14 | 15° 1 | 26°36 | 24°42 | 18°31 | 26°38 | 29°58 | 29°35 | 5°55 | 16°13 | 15°33 | 14°48 | 7°53 | F 15 |
| S 16 | 22 3 11 | 29° 4'32 | 27°33 | 16°50 | 27°50 | 25°21 | 18°42 | 26°45 | 0♍ 1 | 29°37 | 5°54 | 16°12 | 15°30 | 14°54 | 7°52 | S 16 |
| S 17 | 22 7 8 | 0♍ 2'45 | 10♏28 | 18°42 | 29° 3 | 26° 1 | 18°54 | 26°53 | 0° 5 | 29°39 | 5°54 | 16°10 | 15°27 | 15° 1 | 7°50 | S 17 |
| M18 | 22 11 4 | 1° 1'00 | 23° 2 | 20°35 | 0♎16 | 26°40 | 19° 5 | 27° 0 | 0° 9 | 29°41 | 5°54 | 16°10 | 15°23 | 15° 8 | 7°49 | M18 |
| T 19 | 22 15 1 | 1°59'16 | 5♐17 | 22°28 | 1°28 | 27°19 | 19°17 | 27° 8 | 0°13 | 29°43 | 5°53 | 16°D10 | 15°20 | 15°14 | 7°47 | T 19 |
| W20 | 22 18 58 | 2°57'34 | 17°19 | 24°23 | 2°41 | 27°58 | 19°28 | 27°16 | 0°16 | 29°45 | 5°53 | 16°10 | 15°17 | 15°21 | 7°46 | W20 |
| T 21 | 22 22 54 | 3°55'54 | 29°13 | 26°18 | 3°54 | 28°38 | 19°40 | 27°23 | 0°20 | 29°47 | 5°52 | 16°11 | 15°14 | 15°28 | 7°44 | T 21 |
| F 22 | 22 26 51 | 4°54'15 | 11♑ 2 | 28°13 | 5° 7 | 29°17 | 19°51 | 27°31 | 0°24 | 29°49 | 5°52 | 16°13 | 15°11 | 15°34 | 7°43 | F 22 |
| S 23 | 22 30 47 | 5°52'38 | 22°52 | 0♍ 8 | 6°20 | 29°57 | 20° 2 | 27°38 | 0°28 | 29°51 | 5°52 | 16°14 | 15° 8 | 15°41 | 7°42 | S 23 |
| S 24 | 22 34 44 | 6°51'02 | 4♒46 | 2° 2 | 7°33 | 0♎36 | 20°13 | 27°46 | 0°31 | 29°53 | 5°51 | 16°15 | 15° 4 | 15°48 | 7°41 | S 24 |
| M25 | 22 38 40 | 7°49'29 | 16°48 | 3°56 | 8°46 | 1°16 | 20°24 | 27°53 | 0°35 | 29°55 | 5°51 | 16°R16 | 15° 1 | 15°54 | 7°40 | M25 |
| T 26 | 22 42 37 | 8°47'57 | 28°59 | 5°50 | 9°58 | 1°55 | 20°35 | 28° 1 | 0°39 | 29°57 | 5°50 | 16°15 | 14°58 | 16° 1 | 7°39 | T 26 |
| W27 | 22 46 33 | 9°46'27 | 11♓22 | 7°43 | 11°11 | 2°35 | 20°46 | 28° 8 | 0°43 | 29°59 | 5°49 | 16°14 | 14°55 | 16° 8 | 7°38 | W27 |
| T 28 | 22 50 30 | 10°44'59 | 23°59 | 9°35 | 12°24 | 3°14 | 20°57 | 28°15 | 0°46 | 0♎ 1 | 5°49 | 16°11 | 14°52 | 16°14 | 7°37 | T 28 |
| F 29 | 22 54 26 | 11°43'33 | 6♈49 | 11°26 | 13°37 | 3°54 | 21° 7 | 28°23 | 0°50 | 0° 3 | 5°48 | 16° 7 | 14°49 | 16°21 | 7°36 | F 29 |
| S 30 | 22 58 23 | 12°42'08 | 19°52 | 13°16 | 14°49 | 4°34 | 21°18 | 28°30 | 0°54 | 0° 6 | 5°48 | 16° 3 | 14°45 | 16°28 | 7°36 | S 30 |
| S 31 | 23 2 20 | 13♍40'47 | 3♉ 9 | 15♍ 6 | 16♎ 2 | 5♎14 | 21♋28 | 28♌38 | 0♍58 | 0♎ 8 | 5♉47 | 15♌59 | 14♌42 | 16♏34 | 7♏35 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n32 | 4s19 | 3s28 | 19n19 | 1s36 | 9n14 | 1n18 | 6n23 | 0n47 | 22n48 | 0n11 | 14n40 | 1n28 | 12n31 | 0n43 | 1n45 | 1n32 | 1s 8 | 15s33 | 16n 2 | 16n 2 | 20s 5 | 16s44 | 6n34 |
| S 2 | 16 15 | 0n 1 | 4 16 | 19 28 | 1 19 | 8 45 | 1 17 | 6 8 | 0 46 | 22 47 | 0 11 | 14 38 | 1 28 | 12 30 | 0 43 | 1 44 | 1 32 | 1 9 | 15 34 | 16 2 | 16 3 | 20 6 | 16 45 | 6 33 |
| S 3 | 15 58 | 4 26 | 4 52 | 19 36 | 1 2 | 8 15 | 1 15 | 5 52 | 0 45 | 22 45 | 0 11 | 14 35 | 1 28 | 12 29 | 0 43 | 1 44 | 1 32 | 1 9 | 15 34 | 16 2 | 16 4 | 20 6 | 16 45 | 6 33 |
| M 4 | 15 40 | 8 43 | 5 13 | 19 41 | 0 46 | 7 46 | 1 14 | 5 37 | 0 45 | 22 44 | 0 11 | 14 33 | 1 28 | 12 27 | 0 43 | 1 43 | 1 32 | 1 9 | 15 34 | 16 2 | 16 5 | 20 6 | 16 45 | 6 33 |
| T 5 | 15 22 | 12 41 | 5 17 | 19 44 | 0 30 | 7 16 | 1 12 | 5 21 | 0 44 | 22 43 | 0 11 | 14 30 | 1 28 | 12 26 | 0 43 | 1 42 | 1 32 | 1 9 | 15 35 | 16 2 | 16 5 | 20 6 | 16 46 | 6 32 |
| W 6 | 15 4 | 16 2 | 5 3 | 19 45 | 0 15 | 6 46 | 1 10 | 5 5 | 0 44 | 22 41 | 0 11 | 14 28 | 1 28 | 12 25 | 0 43 | 1 41 | 1 32 | 1 10 | 15 35 | 16 2 | 16 6 | 20 6 | 16 46 | 6 32 |
| T 7 | 14 46 | 18 31 | 4 30 | 19 43 | 0 1 | 6 16 | 1 9 | 4 50 | 0 43 | 22 40 | 0 11 | 14 25 | 1 28 | 12 23 | 0 43 | 1 41 | 1 32 | 1 10 | 15 35 | 16 2 | 16 7 | 20 6 | 16 47 | 6 32 |
| F 8 | 14 27 | 19 52 | 3 40 | 19 38 | 0n13 | 5 46 | 1 7 | 4 34 | 0 43 | 22 38 | 0 11 | 14 23 | 1 28 | 12 22 | 0 43 | 1 40 | 1 32 | 1 10 | 15 35 | 16 2 | 16 8 | 20 6 | 16 47 | 6 31 |
| S 9 | 14 9 | 19 52 | 2 34 | 19 30 | 0 26 | 5 15 | 1 5 | 4 18 | 0 42 | 22 37 | 0 12 | 14 20 | 1 28 | 12 21 | 0 43 | 1 39 | 1 32 | 1 11 | 15 36 | 16 2 | 16 9 | 20 6 | 16 48 | 6 31 |
| S 10 | 13 50 | 18 30 | 1 17 | 19 20 | 0 38 | 4 44 | 1 3 | 4 2 | 0 41 | 22 35 | 0 12 | 14 18 | 1 28 | 12 19 | 0 43 | 1 38 | 1 32 | 1 11 | 15 36 | 16 2 | 16 10 | 20 6 | 16 48 | 6 31 |
| M11 | 13 30 | 15 51 | 0n 5 | 19 6 | 0 49 | 4 14 | 1 1 | 3 46 | 0 41 | 22 34 | 0 12 | 14 15 | 1 28 | 12 18 | 0 43 | 1 38 | 1 32 | 1 11 | 15 36 | 16 2 | 16 11 | 20 6 | 16 49 | 6 30 |
| T 12 | 13 11 | 12 11 | 1 25 | 18 50 | 0 59 | 3 43 | 0 59 | 3 30 | 0 40 | 22 33 | 0 12 | 14 13 | 1 28 | 12 17 | 0 43 | 1 37 | 1 32 | 1 12 | 15 37 | 16 2 | 16 12 | 20 6 | 16 49 | 6 30 |
| W13 | 12 51 | 7 51 | 2 39 | 18 31 | 1 9 | 3 12 | 0 57 | 3 14 | 0 40 | 22 31 | 0 12 | 14 10 | 1 28 | 12 15 | 0 43 | 1 36 | 1 32 | 1 12 | 15 37 | 16 2 | 16 13 | 20 6 | 16 50 | 6 30 |
| T 14 | 12 31 | 3 11 | 3 41 | 18 9 | 1 17 | 2 41 | 0 55 | 2 58 | 0 39 | 22 30 | 0 12 | 14 7 | 1 28 | 12 14 | 0 43 | 1 35 | 1 32 | 1 12 | 15 37 | 16 2 | 16 14 | 20 6 | 16 50 | 6 29 |
| F 15 | 12 11 | 1s31 | 4 29 | 17 45 | 1 24 | 2 9 | 0 52 | 2 42 | 0 39 | 22 28 | 0 12 | 14 5 | 1 29 | 12 13 | 0 43 | 1 35 | 1 32 | 1 13 | 15 37 | 16 3 | 16 15 | 20 6 | 16 51 | 6 29 |
| S 16 | 11 51 | 5 59 | 5 0 | 17 17 | 1 30 | 1 38 | 0 50 | 2 26 | 0 38 | 22 27 | 0 12 | 14 2 | 1 29 | 12 11 | 0 43 | 1 34 | 1 32 | 1 13 | 15 38 | 16 3 | 16 16 | 20 6 | 16 51 | 6 29 |
| S 17 | 11 30 | 10 2 | 5 15 | 16 48 | 1 35 | 1 7 | 0 48 | 2 10 | 0 37 | 22 25 | 0 13 | 14 0 | 1 29 | 12 10 | 0 43 | 1 33 | 1 32 | 1 14 | 15 38 | 16 4 | 16 17 | 20 6 | 16 52 | 6 28 |
| M18 | 11 10 | 13 33 | 5 14 | 16 16 | 1 39 | 0 35 | 0 45 | 1 54 | 0 37 | 22 24 | 0 13 | 13 57 | 1 29 | 12 9 | 0 43 | 1 32 | 1 32 | 1 14 | 15 38 | 16 4 | 16 18 | 20 6 | 16 52 | 6 28 |
| T 19 | 10 49 | 16 22 | 4 59 | 15 42 | 1 43 | 0 4 | 0 43 | 1 37 | 0 36 | 22 22 | 0 13 | 13 55 | 1 29 | 12 7 | 0 43 | 1 31 | 1 32 | 1 14 | 15 39 | 16 4 | 16 19 | 20 6 | 16 52 | 6 27 |
| W20 | 10 28 | 18 27 | 4 31 | 15 7 | 1 45 | 0s27 | 0 40 | 1 21 | 0 36 | 22 21 | 0 13 | 13 52 | 1 29 | 12 6 | 0 43 | 1 30 | 1 32 | 1 15 | 15 39 | 16 4 | 16 20 | 20 6 | 16 53 | 6 27 |
| T 21 | 10 7 | 19 41 | 3 52 | 14 29 | 1 47 | 0 59 | 0 38 | 1 5 | 0 35 | 22 19 | 0 13 | 13 50 | 1 29 | 12 5 | 0 43 | 1 30 | 1 32 | 1 15 | 15 39 | 16 4 | 16 21 | 20 6 | 16 53 | 6 27 |
| F 22 | 9 45 | 20 3 | 3 3 | 13 50 | 1 48 | 1 30 | 0 35 | 0 49 | 0 34 | 22 18 | 0 13 | 13 47 | 1 29 | 12 3 | 0 43 | 1 29 | 1 32 | 1 15 | 15 39 | 16 3 | 16 22 | 20 6 | 16 54 | 6 26 |
| S 23 | 9 24 | 19 32 | 2 6 | 13 10 | 1 48 | 2 2 | 0 33 | 0 32 | 0 34 | 22 16 | 0 13 | 13 45 | 1 29 | 12 2 | 0 43 | 1 28 | 1 32 | 1 16 | 15 40 | 16 3 | 16 22 | 20 6 | 16 54 | 6 26 |
| S 24 | 9 2 | 18 8 | 1 3 | 12 28 | 1 48 | 2 33 | 0 30 | 0 16 | 0 33 | 22 14 | 0 13 | 13 42 | 1 29 | 12 1 | 0 43 | 1 27 | 1 32 | 1 16 | 15 40 | 16 2 | 16 23 | 20 6 | 16 55 | 6 25 |
| M25 | 8 40 | 15 55 | 0s 3 | 11 46 | 1 47 | 3 4 | 0 27 | 0s 0 | 0 33 | 22 13 | 0 14 | 13 40 | 1 29 | 11 59 | 0 43 | 1 26 | 1 32 | 1 17 | 15 40 | 16 2 | 16 24 | 20 6 | 16 55 | 6 25 |
| T 26 | 8 18 | 12 58 | 1 10 | 11 3 | 1 45 | 3 36 | 0 24 | 0 17 | 0 32 | 22 11 | 0 14 | 13 37 | 1 29 | 11 58 | 0 43 | 1 25 | 1 32 | 1 17 | 15 40 | 16 2 | 16 25 | 20 6 | 16 56 | 6 25 |
| W27 | 7 56 | 9 24 | 2 14 | 10 18 | 1 43 | 4 7 | 0 22 | 0 33 | 0 32 | 22 10 | 0 14 | 13 35 | 1 30 | 11 57 | 0 43 | 1 25 | 1 32 | 1 17 | 15 41 | 16 3 | 16 26 | 20 6 | 16 56 | 6 24 |
| T 28 | 7 34 | 5 21 | 3 13 | 9 33 | 1 40 | 4 38 | 0 19 | 0 49 | 0 31 | 22 8 | 0 14 | 13 32 | 1 30 | 11 55 | 0 43 | 1 24 | 1 32 | 1 18 | 15 41 | 16 4 | 16 27 | 20 6 | 16 57 | 6 24 |
| F 29 | 7 12 | 1 0 | 4 3 | 8 48 | 1 37 | 5 9 | 0 16 | 1 6 | 0 30 | 22 7 | 0 14 | 13 30 | 1 30 | 11 54 | 0 43 | 1 23 | 1 32 | 1 18 | 15 41 | 16 5 | 16 28 | 20 6 | 16 57 | 6 23 |
| S 30 | 6 49 | 3n28 | 4 41 | 8 2 | 1 33 | 5 40 | 0 13 | 1 22 | 0 30 | 22 5 | 0 14 | 13 27 | 1 30 | 11 53 | 0 43 | 1 22 | 1 32 | 1 19 | 15 41 | 16 6 | 16 29 | 20 6 | 16 58 | 6 23 |
| S 31 | 6n27 | 7n50 | 5s 6 | 7n16 | 1n29 | 6s11 | 0n10 | 1s39 | 0n29 | 22n 4 | 0n14 | 13n25 | 1n30 | 11n52 | 0n43 | 1n21 | 1n32 | 1s19 | 15s42 | 16n 7 | 16n30 | 20s 6 | 16s58 | 6n22 |

Julian Day Number = 2131811.5, Delta T = 16m27s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'08, Lahiri = 11°39'09 Julian Calendar 1 Aug. 1124 == Greg. Calendar 8 Aug. 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## SEPTEMBER 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 6 16 | 14♍39'27 | 16♉39 | 16♍54 | 17♎15 | 5♎54 | 21♋39 | 28♌45 | 1♍ 1 | 0♎10 | 5°R46 | 15°R55 | 14♌39 | 16♂41 | 7°R34 | M 1 |
| T 2 | 23 10 13 | 15°38'10 | 0♊22 | 18°42 | 18°27 | 6°34 | 21°49 | 28°52 | 1° 5 | 0°12 | 5♉46 | 15♌53 | 14°36 | 16°48 | 7♂34 | T 2 |
| W 3 | 23 14 9 | 16°36'55 | 14°16 | 20°29 | 19°40 | 7°14 | 21°59 | 29° 0 | 1° 9 | 0°14 | 5°45 | 15°D52 | 14°33 | 16°54 | 7°34 | W 3 |
| T 4 | 23 18 6 | 17°35'42 | 28°22 | 22°14 | 20°52 | 7°54 | 22° 9 | 29° 7 | 1°12 | 0°16 | 5°44 | 15°53 | 14°29 | 17° 1 | 7°33 | T 4 |
| F 5 | 23 22 2 | 18°34'32 | 12♋38 | 23°59 | 22° 5 | 8°34 | 22°19 | 29°14 | 1°16 | 0°19 | 5°44 | 15°54 | 14°26 | 17° 8 | 7°33 | F 5 |
| S 6 | 23 25 59 | 19°33'24 | 27° 1 | 25°43 | 23°17 | 9°14 | 22°29 | 29°22 | 1°20 | 0°21 | 5°43 | 15°55 | 14°23 | 17°14 | 7°33 | S 6 |
| S 7 | 23 29 55 | 20°32'19 | 11♌29 | 27°25 | 24°30 | 9°54 | 22°39 | 29°29 | 1°23 | 0°23 | 5°42 | 15°R56 | 14°20 | 17°21 | 7°D33 | S 7 |
| M 8 | 23 33 52 | 21°31'15 | 25°58 | 29° 7 | 25°42 | 10°35 | 22°49 | 29°36 | 1°27 | 0°25 | 5°42 | 15°56 | 14°17 | 17°28 | 7°33 | M 8 |
| T 9 | 23 37 49 | 22°30'14 | 10♍22 | 0♎48 | 26°55 | 11°15 | 22°59 | 29°43 | 1°30 | 0°27 | 5°41 | 15°54 | 14°14 | 17°34 | 7°33 | T 9 |
| W10 | 23 41 45 | 23°29'15 | 24°36 | 2°28 | 28° 7 | 11°55 | 23° 8 | 29°50 | 1°34 | 0°30 | 5°40 | 15°50 | 14°10 | 17°41 | 7°33 | W10 |
| T 11 | 23 45 42 | 24°28'18 | 8♎35 | 4° 7 | 29°20 | 12°36 | 23°17 | 29°58 | 1°37 | 0°32 | 5°39 | 15°45 | 14° 7 | 17°47 | 7°34 | T 11 |
| F 12 | 23 49 38 | 25°27'22 | 22°14 | 5°46 | 0♏32 | 13°16 | 23°27 | 0♍ 5 | 1°41 | 0°34 | 5°38 | 15°38 | 14° 4 | 17°54 | 7°34 | F 12 |
| S 13 | 23 53 35 | 26°26'29 | 5♏32 | 7°23 | 1°44 | 13°57 | 23°36 | 0°12 | 1°45 | 0°36 | 5°38 | 15°31 | 14° 1 | 18° 1 | 7°34 | S 13 |
| S 14 | 23 57 31 | 27°25'38 | 18°28 | 9° 0 | 2°56 | 14°37 | 23°45 | 0°19 | 1°48 | 0°39 | 5°37 | 15°25 | 13°58 | 18° 7 | 7°35 | S 14 |
| M15 | 0 1 28 | 28°24'49 | 1♐ 3 | 10°35 | 4° 9 | 15°18 | 23°54 | 0°26 | 1°52 | 0°41 | 5°36 | 15°20 | 13°54 | 18°14 | 7°35 | M15 |
| T 16 | 0 5 24 | 29°24'01 | 13°19 | 12°10 | 5°21 | 15°59 | 24° 3 | 0°33 | 1°55 | 0°43 | 5°35 | 15°16 | 13°51 | 18°21 | 7°36 | T 16 |
| W17 | 0 9 21 | 0♎23'16 | 25°22 | 13°45 | 6°33 | 16°39 | 24°11 | 0°40 | 1°58 | 0°45 | 5°34 | 15°D15 | 13°48 | 18°27 | 7°37 | W17 |
| T 18 | 0 13 18 | 1°22'32 | 7♂15 | 15°18 | 7°45 | 17°20 | 24°20 | 0°46 | 2° 2 | 0°48 | 5°33 | 15°15 | 13°45 | 18°34 | 7°38 | T 18 |
| F 19 | 0 17 14 | 2°21'50 | 19° 5 | 16°51 | 8°57 | 18° 1 | 24°28 | 0°53 | 2° 5 | 0°50 | 5°32 | 15°16 | 13°42 | 18°41 | 7°39 | F 19 |
| S 20 | 0 21 11 | 3°21'10 | 0♒55 | 18°23 | 10° 9 | 18°42 | 24°37 | 1° 0 | 2° 9 | 0°52 | 5°31 | 15°17 | 13°39 | 18°47 | 7°40 | S 20 |
| S 21 | 0 25 7 | 4°20'31 | 12°51 | 19°54 | 11°21 | 19°23 | 24°45 | 1° 7 | 2°12 | 0°54 | 5°30 | 15°R18 | 13°35 | 18°54 | 7°41 | S 21 |
| M22 | 0 29 4 | 5°19'55 | 24°58 | 21°24 | 12°33 | 20° 4 | 24°53 | 1°14 | 2°15 | 0°57 | 5°29 | 15°18 | 13°32 | 19° 1 | 7°42 | M22 |
| T 23 | 0 33 0 | 6°19'20 | 7♓19 | 22°54 | 13°45 | 20°45 | 25° 1 | 1°20 | 2°19 | 0°59 | 5°28 | 15°15 | 13°29 | 19° 7 | 7°43 | T 23 |
| W24 | 0 36 57 | 7°18'47 | 19°56 | 24°23 | 14°57 | 21°26 | 25° 9 | 1°27 | 2°22 | 1° 1 | 5°28 | 15°11 | 13°26 | 19°14 | 7°44 | W24 |
| T 25 | 0 40 53 | 8°18'17 | 2♈52 | 25°51 | 16° 9 | 22° 7 | 25°16 | 1°33 | 2°25 | 1° 3 | 5°27 | 15° 4 | 13°23 | 19°21 | 7°46 | T 25 |
| F 26 | 0 44 50 | 9°17'48 | 16° 5 | 27°18 | 17°21 | 22°49 | 25°24 | 1°40 | 2°28 | 1° 5 | 5°26 | 14°55 | 13°20 | 19°27 | 7°47 | F 26 |
| S 27 | 0 48 46 | 10°17'21 | 29°33 | 28°45 | 18°33 | 23°30 | 25°31 | 1°46 | 2°31 | 1° 8 | 5°25 | 14°45 | 13°16 | 19°34 | 7°49 | S 27 |
| S 28 | 0 52 43 | 11°16'57 | 13♉16 | 0♏11 | 19°44 | 24°11 | 25°38 | 1°53 | 2°35 | 1°10 | 5°24 | 14°36 | 13°13 | 19°41 | 7°50 | S 28 |
| M29 | 0 56 40 | 12°16'35 | 27° 8 | 1°36 | 20°56 | 24°52 | 25°45 | 1°59 | 2°38 | 1°12 | 5°23 | 14°28 | 13°10 | 19°47 | 7°52 | M29 |
| T 30 | 1 0 36 | 13♎16'15 | 11♊ 8 | 3♏ 0 | 22♏ 8 | 25♎34 | 25♋52 | 2♍ 6 | 2♍41 | 1♎14 | 5♉22 | 14♌21 | 13♌ 7 | 19♂54 | 7♂54 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 6n 4 | 11n53 | 5s13 | 6n30 | 1n25 | 6s42 | 0n 7 | 1s55 | 0n29 | 22n 2 | 0n14 | 13n22 | 1n30 | 11n50 | 0n43 | 1n20 | 1n32 | 1s20 | 15s42 | 16n 8 | 16n31 | 20s 6 | 16s59 | 6n22 | M 1 |
| T 2 | 5 41 | 15 23 | 5 3 | 5 43 | 1 20 | 7 13 | 0 4 | 2 11 | 0 28 | 22 1 | 0 15 | 13 20 | 1 30 | 11 49 | 0 43 | 1 19 | 1 32 | 1 20 | 15 42 | 16 9 | 16 32 | 20 6 | 16 59 | 6 22 | T 2 |
| W 3 | 5 18 | 18 3 | 4 36 | 4 56 | 1 15 | 7 43 | 0 1 | 2 28 | 0 27 | 21 59 | 0 15 | 13 17 | 1 30 | 11 48 | 0 43 | 1 18 | 1 32 | 1 20 | 15 42 | 16 9 | 16 33 | 20 6 | 17 0 | 6 21 | W 3 |
| T 4 | 4 55 | 19 41 | 3 51 | 4 10 | 1 10 | 8 13 | 0s 2 | 2 44 | 0 27 | 21 58 | 0 15 | 13 15 | 1 30 | 11 46 | 0 43 | 1 18 | 1 32 | 1 21 | 15 42 | 16 9 | 16 34 | 20 6 | 17 0 | 6 21 | T 4 |
| F 5 | 4 32 | 20 6 | 2 52 | 3 23 | 1 4 | 8 44 | 0 6 | 3 1 | 0 26 | 21 56 | 0 15 | 13 12 | 1 30 | 11 45 | 0 43 | 1 17 | 1 32 | 1 21 | 15 43 | 16 9 | 16 35 | 20 6 | 17 1 | 6 20 | F 5 |
| S 6 | 4 9 | 19 11 | 1 42 | 2 36 | 0 58 | 9 14 | 0 9 | 3 17 | 0 26 | 21 55 | 0 15 | 13 10 | 1 31 | 11 44 | 0 43 | 1 16 | 1 32 | 1 22 | 15 43 | 16 8 | 16 36 | 20 6 | 17 1 | 6 20 | S 6 |
| S 7 | 3 46 | 17 2 | 0 24 | 1 50 | 0 52 | 9 43 | 0 12 | 3 33 | 0 25 | 21 53 | 0 15 | 13 7 | 1 31 | 11 42 | 0 43 | 1 15 | 1 32 | 1 22 | 15 43 | 16 8 | 16 36 | 20 6 | 17 1 | 6 19 | S 7 |
| M 8 | 3 23 | 13 47 | 0n54 | 1 3 | 0 46 | 10 13 | 0 15 | 3 50 | 0 24 | 21 52 | 0 15 | 13 5 | 1 31 | 11 41 | 0 43 | 1 14 | 1 32 | 1 23 | 15 43 | 16 8 | 16 37 | 20 6 | 17 2 | 6 19 | M 8 |
| T 9 | 2 59 | 9 43 | 2 9 | 0 17 | 0 40 | 10 42 | 0 18 | 4 6 | 0 24 | 21 50 | 0 16 | 13 2 | 1 31 | 11 40 | 0 43 | 1 13 | 1 32 | 1 23 | 15 44 | 16 9 | 16 38 | 20 6 | 17 2 | 6 18 | T 9 |
| W10 | 2 36 | 5 8 | 3 15 | 0s29 | 0 33 | 11 11 | 0 22 | 4 23 | 0 23 | 21 49 | 0 16 | 13 0 | 1 31 | 11 39 | 0 43 | 1 12 | 1 32 | 1 23 | 15 44 | 16 10 | 16 39 | 20 6 | 17 3 | 6 18 | W10 |
| T 11 | 2 12 | 0 22 | 4 8 | 1 14 | 0 27 | 11 40 | 0 25 | 4 39 | 0 23 | 21 47 | 0 16 | 12 58 | 1 31 | 11 37 | 0 43 | 1 11 | 1 32 | 1 24 | 15 44 | 16 11 | 16 40 | 20 6 | 17 3 | 6 17 | T 11 |
| F 12 | 1 49 | 4s18 | 4 45 | 1 59 | 0 20 | 12 9 | 0 28 | 4 55 | 0 22 | 21 46 | 0 16 | 12 55 | 1 31 | 11 36 | 0 44 | 1 10 | 1 32 | 1 24 | 15 44 | 16 13 | 16 41 | 20 6 | 17 4 | 6 17 | F 12 |
| S 13 | 1 25 | 8 38 | 5 5 | 2 44 | 0 13 | 12 37 | 0 31 | 5 12 | 0 21 | 21 45 | 0 16 | 12 53 | 1 31 | 11 35 | 0 44 | 1 10 | 1 32 | 1 25 | 15 44 | 16 15 | 16 42 | 20 6 | 17 4 | 6 17 | S 13 |
| S 14 | 1 2 | 12 27 | 5 9 | 3 29 | 0 6 | 13 6 | 0 35 | 5 28 | 0 21 | 21 43 | 0 16 | 12 50 | 1 32 | 11 34 | 0 44 | 1 9 | 1 32 | 1 25 | 15 45 | 16 17 | 16 43 | 20 5 | 17 4 | 6 16 | S 14 |
| M15 | 0 38 | 15 36 | 4 58 | 4 13 | 0s 1 | 13 33 | 0 38 | 5 44 | 0 20 | 21 42 | 0 16 | 12 48 | 1 32 | 11 32 | 0 44 | 1 8 | 1 32 | 1 26 | 15 45 | 16 19 | 16 44 | 20 5 | 17 5 | 6 16 | M15 |
| T 16 | 0 14 | 17 59 | 4 34 | 4 57 | 0 8 | 14 1 | 0 41 | 6 1 | 0 20 | 21 40 | 0 17 | 12 46 | 1 32 | 11 31 | 0 44 | 1 7 | 1 32 | 1 26 | 15 45 | 16 20 | 16 45 | 20 5 | 17 5 | 6 15 | T 16 |
| W17 | 0s 9 | 19 31 | 3 57 | 5 40 | 0 15 | 14 28 | 0 45 | 6 17 | 0 19 | 21 39 | 0 17 | 12 43 | 1 32 | 11 30 | 0 44 | 1 6 | 1 32 | 1 26 | 15 45 | 16 20 | 16 46 | 20 5 | 17 6 | 6 15 | W17 |
| T 18 | 0 33 | 20 10 | 3 11 | 6 23 | 0 22 | 14 55 | 0 48 | 6 33 | 0 18 | 21 38 | 0 17 | 12 41 | 1 32 | 11 29 | 0 44 | 1 5 | 1 32 | 1 27 | 15 45 | 16 20 | 16 47 | 20 5 | 17 6 | 6 14 | T 18 |
| F 19 | 0 57 | 19 55 | 2 17 | 7 5 | 0 29 | 15 21 | 0 51 | 6 49 | 0 18 | 21 36 | 0 17 | 12 39 | 1 32 | 11 28 | 0 44 | 1 4 | 1 32 | 1 27 | 15 45 | 16 20 | 16 48 | 20 5 | 17 7 | 6 14 | F 19 |
| S 20 | 1 20 | 18 48 | 1 17 | 7 47 | 0 36 | 15 48 | 0 55 | 7 6 | 0 17 | 21 35 | 0 17 | 12 36 | 1 32 | 11 26 | 0 44 | 1 3 | 1 32 | 1 28 | 15 46 | 16 20 | 16 48 | 20 5 | 17 7 | 6 13 | S 20 |
| S 21 | 1 44 | 16 49 | 0 13 | 8 29 | 0 43 | 16 13 | 0 58 | 7 22 | 0 17 | 21 34 | 0 17 | 12 34 | 1 33 | 11 25 | 0 44 | 1 2 | 1 32 | 1 28 | 15 46 | 16 19 | 16 49 | 20 5 | 17 7 | 6 13 | S 21 |
| M22 | 2 8 | 14 4 | 0s52 | 9 9 | 0 50 | 16 39 | 1 1 | 7 38 | 0 16 | 21 32 | 0 17 | 12 32 | 1 33 | 11 24 | 0 44 | 1 2 | 1 32 | 1 29 | 15 46 | 16 19 | 16 50 | 20 5 | 17 8 | 6 12 | M22 |
| T 23 | 2 31 | 10 39 | 1 56 | 9 49 | 0 57 | 17 4 | 1 4 | 7 54 | 0 15 | 21 31 | 0 18 | 12 30 | 1 33 | 11 23 | 0 44 | 1 1 | 1 32 | 1 29 | 15 46 | 16 20 | 16 51 | 20 4 | 17 8 | 6 12 | T 23 |
| W24 | 2 55 | 6 41 | 2 55 | 10 29 | 1 4 | 17 28 | 1 8 | 8 10 | 0 15 | 21 30 | 0 18 | 12 27 | 1 33 | 11 22 | 0 44 | 1 0 | 1 32 | 1 30 | 15 46 | 16 22 | 16 52 | 20 4 | 17 9 | 6 12 | W24 |
| T 25 | 3 19 | 2 20 | 3 47 | 11 8 | 1 11 | 17 53 | 1 11 | 8 26 | 0 14 | 21 29 | 0 18 | 12 25 | 1 33 | 11 21 | 0 44 | 0 59 | 1 32 | 1 30 | 15 46 | 16 24 | 16 53 | 20 4 | 17 9 | 6 11 | T 25 |
| F 26 | 3 42 | 2n14 | 4 28 | 11 46 | 1 17 | 18 16 | 1 14 | 8 42 | 0 14 | 21 27 | 0 18 | 12 23 | 1 33 | 11 19 | 0 44 | 0 58 | 1 32 | 1 30 | 15 46 | 16 26 | 16 54 | 20 4 | 17 9 | 6 11 | F 26 |
| S 27 | 4 6 | 6 46 | 4 55 | 12 23 | 1 24 | 18 40 | 1 17 | 8 58 | 0 13 | 21 26 | 0 18 | 12 21 | 1 33 | 11 18 | 0 44 | 0 57 | 1 32 | 1 31 | 15 46 | 16 29 | 16 55 | 20 4 | 17 10 | 6 10 | S 27 |
| S 28 | 4 29 | 11 3 | 5 5 | 13 0 | 1 31 | 19 3 | 1 21 | 9 14 | 0 12 | 21 25 | 0 18 | 12 19 | 1 34 | 11 17 | 0 44 | 0 56 | 1 32 | 1 31 | 15 47 | 16 32 | 16 56 | 20 4 | 17 10 | 6 10 | S 28 |
| M29 | 4 52 | 14 47 | 4 58 | 13 36 | 1 37 | 19 25 | 1 24 | 9 30 | 0 12 | 21 24 | 0 19 | 12 16 | 1 34 | 11 16 | 0 44 | 0 55 | 1 32 | 1 32 | 15 47 | 16 34 | 16 57 | 20 4 | 17 10 | 6 9 | M29 |
| T 30 | 5s16 | 17n43 | 4s33 | 14s11 | 1s44 | 19s47 | 1s27 | 9s45 | 0n11 | 21n23 | 0n19 | 12n14 | 1n34 | 11n15 | 0n44 | 0n55 | 1n32 | 1s32 | 15s47 | 16n36 | 16n58 | 20s 3 | 17s11 | 6n 9 | T 30 |

Julian Day Number = 2131842.5, Delta T = 16m27s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'13, Lahiri = 11°39'13 Julian Calendar 1 Sept. 1124 == Greg. Calendar 8 Sept. 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## OCTOBER 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 4 33 | 14♎15'57 | 25♊12 | 4♏23 | 23♏19 | 26♎15 | 25♋59 | 2♍12 | 2♍44 | 1♎16 | 5°R20 | 14°R17 | 13♌ 4 | 20♑ 1 | 7♑55 | W 1 |
| T 2 | 1 8 29 | 15°15'42 | 9♋18 | 5°46 | 24°31 | 26°57 | 26° 6 | 2°18 | 2°47 | 1°19 | 5♉19 | 14°D16 | 13° 0 | 20° 7 | 7°57 | T 2 |
| F 3 | 1 12 26 | 16°15'29 | 23°24 | 7° 7 | 25°42 | 27°39 | 26°12 | 2°24 | 2°50 | 1°21 | 5°18 | 14♌16 | 12°57 | 20°14 | 7°59 | F 3 |
| S 4 | 1 16 22 | 17°15'19 | 7♌31 | 8°28 | 26°54 | 28°20 | 26°19 | 2°30 | 2°53 | 1°23 | 5°17 | 14°R16 | 12°54 | 20°21 | 8° 1 | S 4 |
| S 5 | 1 20 19 | 18°15'11 | 21°36 | 9°47 | 28° 5 | 29° 2 | 26°25 | 2°36 | 2°56 | 1°25 | 5°16 | 14°16 | 12°51 | 20°27 | 8° 4 | S 5 |
| M 6 | 1 24 15 | 19°15'04 | 5♍38 | 11° 5 | 29°16 | 29°44 | 26°31 | 2°42 | 2°59 | 1°27 | 5°15 | 14°14 | 12°48 | 20°34 | 8° 6 | M 6 |
| T 7 | 1 28 12 | 20°15'01 | 19°36 | 12°22 | 0♐28 | 0♏26 | 26°37 | 2°48 | 3° 2 | 1°29 | 5°14 | 14°10 | 12°45 | 20°41 | 8° 8 | T 7 |
| W 8 | 1 32 9 | 21°14'59 | 3♎25 | 13°38 | 1°39 | 1° 7 | 26°43 | 2°54 | 3° 4 | 1°32 | 5°13 | 14° 3 | 12°41 | 20°47 | 8°10 | W 8 |
| T 9 | 1 36 5 | 22°14'59 | 17° 4 | 14°52 | 2°50 | 1°49 | 26°48 | 3° 0 | 3° 7 | 1°34 | 5°12 | 13°53 | 12°38 | 20°54 | 8°13 | T 9 |
| F 10 | 1 40 2 | 23°15'01 | 0♏28 | 16° 4 | 4° 1 | 2°31 | 26°54 | 3° 6 | 3°10 | 1°36 | 5°11 | 13°41 | 12°35 | 21° 1 | 8°15 | F 10 |
| S 11 | 1 43 58 | 24°15'05 | 13°35 | 17°15 | 5°12 | 3°13 | 26°59 | 3°11 | 3°13 | 1°38 | 5°10 | 13°29 | 12°32 | 21° 7 | 8°18 | S 11 |
| S 12 | 1 47 55 | 25°15'11 | 26°24 | 18°24 | 6°23 | 3°55 | 27° 4 | 3°17 | 3°15 | 1°40 | 5° 9 | 13°17 | 12°29 | 21°14 | 8°20 | S 12 |
| M13 | 1 51 51 | 26°15'19 | 8♐56 | 19°30 | 7°34 | 4°38 | 27° 9 | 3°23 | 3°18 | 1°42 | 5° 8 | 13° 6 | 12°25 | 21°20 | 8°23 | M13 |
| T 14 | 1 55 48 | 27°15'29 | 21°11 | 20°34 | 8°45 | 5°20 | 27°14 | 3°28 | 3°20 | 1°44 | 5° 6 | 12°58 | 12°22 | 21°27 | 8°26 | T 14 |
| W15 | 1 59 44 | 28°15'40 | 3♑12 | 21°35 | 9°56 | 6° 2 | 27°18 | 3°34 | 3°23 | 1°46 | 5° 5 | 12°53 | 12°19 | 21°34 | 8°29 | W15 |
| T 16 | 2 3 41 | 29°15'52 | 15° 5 | 22°33 | 11° 6 | 6°44 | 27°23 | 3°39 | 3°26 | 1°48 | 5° 4 | 12°50 | 12°16 | 21°40 | 8°32 | T 16 |
| F 17 | 2 7 38 | 0♏16'07 | 26°53 | 23°28 | 12°17 | 7°27 | 27°27 | 3°44 | 3°28 | 1°50 | 5° 3 | 12°D50 | 12°13 | 21°47 | 8°35 | F 17 |
| S 18 | 2 11 34 | 1°16'22 | 8♒42 | 24°19 | 13°28 | 8° 9 | 27°31 | 3°49 | 3°30 | 1°52 | 5° 2 | 12°R50 | 12°10 | 21°54 | 8°38 | S 18 |
| S 19 | 2 15 31 | 2°16'40 | 20°38 | 25° 6 | 14°38 | 8°52 | 27°35 | 3°54 | 3°33 | 1°54 | 5° 1 | 12°50 | 12° 6 | 22° 0 | 8°41 | S 19 |
| M20 | 2 19 27 | 3°16'59 | 2♓46 | 25°47 | 15°49 | 9°34 | 27°38 | 3°59 | 3°35 | 1°56 | 5° 0 | 12°48 | 12° 3 | 22° 7 | 8°44 | M20 |
| T 21 | 2 23 24 | 4°17'19 | 15°12 | 26°24 | 16°59 | 10°17 | 27°42 | 4° 4 | 3°37 | 1°58 | 4°59 | 12°44 | 12° 0 | 22°14 | 8°47 | T 21 |
| W22 | 2 27 20 | 5°17'41 | 27°57 | 26°54 | 18° 9 | 10°59 | 27°45 | 4° 9 | 3°40 | 2° 0 | 4°57 | 12°38 | 11°57 | 22°20 | 8°50 | W22 |
| T 23 | 2 31 17 | 6°18'04 | 11♈ 6 | 27°18 | 19°19 | 11°42 | 27°48 | 4°14 | 3°42 | 2° 2 | 4°56 | 12°29 | 11°54 | 22°27 | 8°54 | T 23 |
| F 24 | 2 35 13 | 7°18'29 | 24°38 | 27°34 | 20°29 | 12°25 | 27°51 | 4°19 | 3°44 | 2° 4 | 4°55 | 12°18 | 11°51 | 22°34 | 8°57 | F 24 |
| S 25 | 2 39 10 | 8°18'55 | 8♉30 | 27°R42 | 21°39 | 13° 8 | 27°54 | 4°24 | 3°46 | 2° 6 | 4°54 | 12° 5 | 11°47 | 22°40 | 9° 1 | S 25 |
| S 26 | 2 43 6 | 9°19'23 | 22°40 | 27°42 | 22°49 | 13°50 | 27°57 | 4°28 | 3°48 | 2° 8 | 4°53 | 11°52 | 11°44 | 22°47 | 9° 4 | S 26 |
| M27 | 2 47 3 | 10°19'53 | 7♊ 0 | 27°32 | 23°59 | 14°33 | 27°59 | 4°33 | 3°50 | 2°10 | 4°52 | 11°41 | 11°41 | 22°54 | 9° 8 | M27 |
| T 28 | 2 51 0 | 11°20'25 | 21°26 | 27°12 | 25° 9 | 15°16 | 28° 1 | 4°37 | 3°52 | 2°12 | 4°51 | 11°33 | 11°38 | 23° 0 | 9°11 | T 28 |
| W29 | 2 54 56 | 12°20'59 | 5♋51 | 26°42 | 26°18 | 15°59 | 28° 4 | 4°41 | 3°54 | 2°13 | 4°50 | 11°27 | 11°35 | 23° 7 | 9°15 | W29 |
| T 30 | 2 58 53 | 13°21'34 | 20°11 | 26° 1 | 27°28 | 16°42 | 28° 5 | 4°46 | 3°56 | 2°15 | 4°48 | 11°24 | 11°31 | 23°14 | 9°19 | T 30 |
| F 31 | 3 2 49 | 14♏22'11 | 4♌23 | 25♏10 | 28♐37 | 17♏25 | 28♋ 7 | 4♍50 | 3♍58 | 2♎17 | 4♉47 | 11♌23 | 11♌28 | 23♑20 | 9♑23 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 5s39 | 19n37 | 3s51 | 14s46 | 1s50 | 20s 8 | 1s30 | 10s 1 | 0n11 | 21n22 | 0n19 | 12n12 | 1n34 | 11n14 | 0n44 | 0n54 | 1n32 | 1s33 | 15s47 | 16n37 | 16n58 | 20s 3 | 17s11 | 6n 8 | |
| T 2 | 6 2 | 20 18 | 2 56 | 15 19 | 1 56 | 20 29 | 1 33 | 10 17 | 0 10 | 21 20 | 0 19 | 12 10 | 1 34 | 11 13 | 0 44 | 0 53 | 1 32 | 1 33 | 15 47 | 16 38 | 16 59 | 20 3 | 17 11 | 6 8 | |
| F 3 | 6 25 | 19 43 | 1 49 | 15 52 | 2 2 | 20 50 | 1 36 | 10 32 | 0 9 | 21 19 | 0 19 | 12 8 | 1 34 | 11 12 | 0 44 | 0 52 | 1 32 | 1 33 | 15 47 | 16 38 | 17 0 | 20 3 | 17 12 | 6 8 | |
| S 4 | 6 48 | 17 54 | 0 36 | 16 24 | 2 7 | 21 10 | 1 39 | 10 48 | 0 9 | 21 18 | 0 19 | 12 6 | 1 35 | 11 11 | 0 44 | 0 51 | 1 32 | 1 34 | 15 47 | 16 38 | 17 1 | 20 3 | 17 12 | 6 7 | |
| S 5 | 7 11 | 14 59 | 0n39 | 16 54 | 2 13 | 21 29 | 1 42 | 11 3 | 0 8 | 21 17 | 0 20 | 12 4 | 1 35 | 11 10 | 0 44 | 0 50 | 1 32 | 1 34 | 15 47 | 16 38 | 17 2 | 20 3 | 17 12 | 6 7 | |
| M 6 | 7 34 | 11 13 | 1 51 | 17 24 | 2 18 | 21 48 | 1 45 | 11 19 | 0 8 | 21 16 | 0 20 | 12 2 | 1 35 | 11 9 | 0 44 | 0 49 | 1 32 | 1 35 | 15 47 | 16 38 | 17 3 | 20 2 | 17 13 | 6 6 | |
| T 7 | 7 57 | 6 50 | 2 56 | 17 53 | 2 23 | 22 6 | 1 48 | 11 34 | 0 7 | 21 15 | 0 20 | 12 0 | 1 35 | 11 8 | 0 44 | 0 49 | 1 32 | 1 35 | 15 47 | 16 39 | 17 4 | 20 2 | 17 13 | 6 6 | |
| W 8 | 8 20 | 2 9 | 3 50 | 18 20 | 2 27 | 22 24 | 1 51 | 11 49 | 0 6 | 21 14 | 0 20 | 11 58 | 1 35 | 11 7 | 0 44 | 0 48 | 1 32 | 1 35 | 15 47 | 16 41 | 17 5 | 20 2 | 17 13 | 6 5 | |
| T 9 | 8 42 | 2s35 | 4 30 | 18 47 | 2 31 | 22 41 | 1 53 | 12 4 | 0 6 | 21 14 | 0 20 | 11 56 | 1 36 | 11 6 | 0 44 | 0 47 | 1 32 | 1 36 | 15 48 | 16 44 | 17 6 | 20 2 | 17 13 | 6 5 | |
| F 10 | 9 5 | 7 6 | 4 54 | 19 12 | 2 35 | 22 57 | 1 56 | 12 19 | 0 5 | 21 13 | 0 20 | 11 54 | 1 36 | 11 5 | 0 44 | 0 46 | 1 32 | 1 36 | 15 48 | 16 48 | 17 7 | 20 2 | 17 14 | 6 5 | |
| S 11 | 9 27 | 11 11 | 5 2 | 19 36 | 2 39 | 23 13 | 1 59 | 12 35 | 0 5 | 21 12 | 0 21 | 11 52 | 1 36 | 11 4 | 0 44 | 0 45 | 1 32 | 1 37 | 15 48 | 16 51 | 17 7 | 20 1 | 17 14 | 6 4 | |
| S 12 | 9 49 | 14 40 | 4 54 | 19 59 | 2 42 | 23 28 | 2 1 | 12 49 | 0 4 | 21 11 | 0 21 | 11 50 | 1 36 | 11 3 | 0 44 | 0 45 | 1 32 | 1 37 | 15 48 | 16 55 | 17 8 | 20 1 | 17 14 | 6 4 | |
| M13 | 10 11 | 17 24 | 4 32 | 20 20 | 2 45 | 23 43 | 2 4 | 13 4 | 0 3 | 21 10 | 0 21 | 11 49 | 1 36 | 11 2 | 0 44 | 0 44 | 1 32 | 1 37 | 15 48 | 16 58 | 17 9 | 20 1 | 17 15 | 6 3 | |
| T 14 | 10 33 | 19 18 | 3 58 | 20 39 | 2 47 | 23 57 | 2 6 | 13 19 | 0 3 | 21 9 | 0 21 | 11 47 | 1 37 | 11 1 | 0 44 | 0 43 | 1 32 | 1 38 | 15 48 | 17 0 | 17 10 | 20 1 | 17 15 | 6 3 | |
| W15 | 10 54 | 20 17 | 3 14 | 20 57 | 2 49 | 24 10 | 2 9 | 13 34 | 0 2 | 21 9 | 0 21 | 11 45 | 1 37 | 11 0 | 0 44 | 0 42 | 1 32 | 1 38 | 15 48 | 17 1 | 17 11 | 20 1 | 17 15 | 6 2 | |
| T 16 | 11 16 | 20 21 | 2 22 | 21 14 | 2 50 | 24 23 | 2 11 | 13 48 | 0 1 | 21 8 | 0 22 | 11 43 | 1 37 | 10 59 | 0 44 | 0 41 | 1 32 | 1 38 | 15 48 | 17 2 | 17 12 | 20 0 | 17 15 | 6 2 | |
| F 17 | 11 37 | 19 31 | 1 24 | 21 28 | 2 50 | 24 35 | 2 14 | 14 3 | 0 1 | 21 7 | 0 22 | 11 41 | 1 37 | 10 58 | 0 44 | 0 41 | 1 32 | 1 39 | 15 48 | 17 2 | 17 13 | 20 0 | 17 15 | 6 2 | |
| S 18 | 11 58 | 17 49 | 0 22 | 21 40 | 2 49 | 24 46 | 2 16 | 14 17 | 0 0 | 21 7 | 0 22 | 11 40 | 1 37 | 10 57 | 0 44 | 0 40 | 1 32 | 1 39 | 15 48 | 17 2 | 17 14 | 20 0 | 17 16 | 6 1 | |
| S 19 | 12 19 | 15 20 | 0s41 | 21 51 | 2 48 | 24 57 | 2 18 | 14 32 | 0s 0 | 21 6 | 0 22 | 11 38 | 1 38 | 10 57 | 0 45 | 0 39 | 1 32 | 1 39 | 15 48 | 17 2 | 17 15 | 20 0 | 17 16 | 6 1 | |
| M20 | 12 40 | 12 9 | 1 44 | 21 59 | 2 46 | 25 7 | 2 20 | 14 46 | 0 1 | 21 6 | 0 22 | 11 36 | 1 38 | 10 56 | 0 45 | 0 38 | 1 32 | 1 40 | 15 48 | 17 3 | 17 16 | 19 59 | 17 16 | 6 0 | |
| T 21 | 13 1 | 8 21 | 2 42 | 22 5 | 2 43 | 25 16 | 2 22 | 15 0 | 0 2 | 21 5 | 0 22 | 11 35 | 1 38 | 10 55 | 0 45 | 0 37 | 1 32 | 1 40 | 15 48 | 17 4 | 17 16 | 19 59 | 17 16 | 6 0 | |
| W22 | 13 21 | 4 6 | 3 35 | 22 8 | 2 39 | 25 25 | 2 24 | 15 14 | 0 2 | 21 5 | 0 23 | 11 33 | 1 38 | 10 54 | 0 45 | 0 37 | 1 32 | 1 40 | 15 48 | 17 6 | 17 17 | 19 59 | 17 16 | 6 0 | |
| T 23 | 13 41 | 0n28 | 4 17 | 22 8 | 2 34 | 25 33 | 2 26 | 15 28 | 0 3 | 21 4 | 0 23 | 11 32 | 1 38 | 10 53 | 0 45 | 0 36 | 1 33 | 1 41 | 15 48 | 17 8 | 17 18 | 19 59 | 17 16 | 5 59 | |
| F 24 | 14 1 | 5 9 | 4 46 | 22 6 | 2 27 | 25 40 | 2 28 | 15 41 | 0 3 | 21 4 | 0 23 | 11 30 | 1 39 | 10 53 | 0 45 | 0 35 | 1 33 | 1 41 | 15 48 | 17 11 | 17 19 | 19 58 | 17 17 | 5 59 | |
| S 25 | 14 21 | 9 40 | 5 0 | 22 0 | 2 19 | 25 46 | 2 29 | 15 55 | 0 4 | 21 3 | 0 23 | 11 29 | 1 39 | 10 52 | 0 45 | 0 35 | 1 33 | 1 41 | 15 48 | 17 15 | 17 20 | 19 58 | 17 17 | 5 59 | |
| S 26 | 14 40 | 13 46 | 4 55 | 21 51 | 2 10 | 25 52 | 2 31 | 16 8 | 0 5 | 21 3 | 0 23 | 11 27 | 1 39 | 10 51 | 0 45 | 0 34 | 1 33 | 1 42 | 15 48 | 17 19 | 17 21 | 19 58 | 17 17 | 5 58 | |
| M27 | 14 59 | 17 7 | 4 32 | 21 38 | 1 59 | 25 57 | 2 33 | 16 22 | 0 5 | 21 3 | 0 24 | 11 26 | 1 39 | 10 51 | 0 45 | 0 33 | 1 33 | 1 42 | 15 47 | 17 22 | 17 22 | 19 58 | 17 17 | 5 58 | |
| T 28 | 15 18 | 19 26 | 3 51 | 21 21 | 1 46 | 26 2 | 2 34 | 16 35 | 0 6 | 21 2 | 0 24 | 11 24 | 1 39 | 10 50 | 0 45 | 0 32 | 1 33 | 1 42 | 15 47 | 17 24 | 17 23 | 19 57 | 17 17 | 5 58 | |
| W29 | 15 37 | 20 30 | 2 56 | 21 0 | 1 32 | 26 5 | 2 35 | 16 48 | 0 7 | 21 2 | 0 24 | 11 23 | 1 40 | 10 49 | 0 45 | 0 32 | 1 33 | 1 43 | 15 47 | 17 26 | 17 23 | 19 57 | 17 17 | 5 57 | |
| T 30 | 15 55 | 20 13 | 1 50 | 20 35 | 1 16 | 26 8 | 2 36 | 17 1 | 0 7 | 21 2 | 0 24 | 11 22 | 1 40 | 10 49 | 0 45 | 0 31 | 1 33 | 1 43 | 15 47 | 17 27 | 17 24 | 19 57 | 17 17 | 5 57 | |
| F 31 | 16s14 | 18n39 | 0s37 | 20s 6 | 0s59 | 26s10 | 2s38 | 17s14 | 0s 8 | 21n 2 | 0n24 | 11n20 | 1n40 | 10n48 | 0n45 | 0n30 | 1n33 | 1s43 | 15s47 | 17n27 | 17n25 | 19s56 | 17s17 | 5n57 | |

Julian Day Number = 2131872.5, Delta T = 16m27s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'17, Lahiri = 11°39'17 Julian Calendar 1 Oct. 1124 == Greg. Calendar 8 Oct. 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## NOVEMBER 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 6 46 | 15♏22'50 | 18♌25 | 24°R 9 | 29♐46 | 18♏ 9 | 28♋ 8 | 4♍54 | 4♍ 0 | 2♎19 | 4°R46 | 11°R23 | 11♌25 | 23♑27 | 9♑26 | S 1 |
| S 2 | 3 10 42 | 16°23'30 | 2♍18 | 23♏ 0 | 0♑55 | 18°52 | 28°10 | 4°58 | 4° 1 | 2°21 | 4♉45 | 11♌22 | 11°22 | 23°34 | 9°30 | S 2 |
| M 3 | 3 14 39 | 17°24'13 | 16° 2 | 21°45 | 2° 4 | 19°35 | 28°11 | 5° 2 | 4° 3 | 2°22 | 4°44 | 11°20 | 11°19 | 23°40 | 9°34 | M 3 |
| T 4 | 3 18 36 | 18°24'57 | 29°36 | 20°25 | 3°13 | 20°18 | 28°12 | 5° 5 | 4° 5 | 2°24 | 4°43 | 11°15 | 11°16 | 23°47 | 9°38 | T 4 |
| W 5 | 3 22 32 | 19°25'42 | 13♎ 0 | 19° 3 | 4°22 | 21° 2 | 28°12 | 5° 9 | 4° 6 | 2°26 | 4°42 | 11° 7 | 11°12 | 23°54 | 9°42 | W 5 |
| T 6 | 3 26 29 | 20°26'29 | 26°14 | 17°41 | 5°30 | 21°45 | 28°13 | 5°13 | 4° 8 | 2°27 | 4°41 | 10°56 | 11° 9 | 24° 0 | 9°47 | T 6 |
| F 7 | 3 30 25 | 21°27'18 | 9♏16 | 16°24 | 6°39 | 22°29 | 28°13 | 5°16 | 4° 9 | 2°29 | 4°40 | 10°43 | 11° 6 | 24° 7 | 9°51 | F 7 |
| S 8 | 3 34 22 | 22°28'08 | 22° 5 | 15°12 | 7°47 | 23°12 | 28°R13 | 5°20 | 4°11 | 2°30 | 4°39 | 10°29 | 11° 3 | 24°13 | 9°55 | S 8 |
| S 9 | 3 38 18 | 23°28'59 | 4♐41 | 14° 9 | 8°55 | 23°56 | 28°13 | 5°23 | 4°12 | 2°32 | 4°38 | 10°15 | 11° 0 | 24°20 | 9°59 | S 9 |
| M10 | 3 42 15 | 24°29'51 | 17° 3 | 13°15 | 10° 3 | 24°39 | 28°13 | 5°26 | 4°13 | 2°34 | 4°36 | 10° 4 | 10°57 | 24°27 | 10° 4 | M10 |
| T 11 | 3 46 11 | 25°30'45 | 29°12 | 12°32 | 11°11 | 25°23 | 28°12 | 5°29 | 4°15 | 2°35 | 4°35 | 9°54 | 10°53 | 24°33 | 10° 8 | T 11 |
| W12 | 3 50 8 | 26°31'39 | 11♑10 | 12° 1 | 12°19 | 26° 7 | 28°11 | 5°32 | 4°16 | 2°37 | 4°34 | 9°48 | 10°50 | 24°40 | 10°12 | W12 |
| T 13 | 3 54 5 | 27°32'35 | 23° 0 | 11°41 | 13°26 | 26°51 | 28°11 | 5°35 | 4°17 | 2°38 | 4°33 | 9°44 | 10°47 | 24°47 | 10°17 | T 13 |
| F 14 | 3 58 1 | 28°33'31 | 4♒47 | 11°D32 | 14°34 | 27°34 | 28° 9 | 5°38 | 4°18 | 2°40 | 4°32 | 9°D43 | 10°44 | 24°53 | 10°21 | F 14 |
| S 15 | 4 1 58 | 29°34'28 | 16°34 | 11°34 | 15°41 | 28°18 | 28° 8 | 5°41 | 4°19 | 2°41 | 4°31 | 9°43 | 10°41 | 25° 0 | 10°26 | S 15 |
| S 16 | 4 5 54 | 0♐35'26 | 28°28 | 11°46 | 16°48 | 29° 2 | 28° 7 | 5°43 | 4°20 | 2°42 | 4°30 | 9°R43 | 10°37 | 25° 7 | 10°31 | S 16 |
| M17 | 4 9 51 | 1°36'25 | 10♓34 | 12° 8 | 17°55 | 29°46 | 28° 5 | 5°46 | 4°21 | 2°44 | 4°29 | 9°43 | 10°34 | 25°13 | 10°35 | M17 |
| T 18 | 4 13 47 | 2°37'24 | 22°57 | 12°37 | 19° 1 | 0♐30 | 28° 3 | 5°48 | 4°22 | 2°45 | 4°28 | 9°41 | 10°31 | 25°20 | 10°40 | T 18 |
| W19 | 4 17 44 | 3°38'24 | 5♈43 | 13°14 | 20° 8 | 1°14 | 28° 1 | 5°51 | 4°23 | 2°46 | 4°27 | 9°36 | 10°28 | 25°27 | 10°45 | W19 |
| T 20 | 4 21 40 | 4°39'25 | 18°54 | 13°58 | 21°14 | 1°58 | 27°59 | 5°53 | 4°24 | 2°48 | 4°26 | 9°29 | 10°25 | 25°33 | 10°49 | T 20 |
| F 21 | 4 25 37 | 5°40'26 | 2♉33 | 14°48 | 22°20 | 2°43 | 27°56 | 5°55 | 4°24 | 2°49 | 4°25 | 9°20 | 10°22 | 25°40 | 10°54 | F 21 |
| S 22 | 4 29 34 | 6°41'28 | 16°38 | 15°43 | 23°25 | 3°27 | 27°53 | 5°57 | 4°25 | 2°50 | 4°24 | 9°10 | 10°18 | 25°47 | 10°59 | S 22 |
| S 23 | 4 33 30 | 7°42'31 | 1♊ 6 | 16°42 | 24°31 | 4°11 | 27°51 | 5°59 | 4°26 | 2°51 | 4°24 | 9° 0 | 10°15 | 25°53 | 11° 4 | S 23 |
| M24 | 4 37 27 | 8°43'34 | 15°50 | 17°45 | 25°36 | 4°55 | 27°47 | 6° 1 | 4°26 | 2°52 | 4°23 | 8°50 | 10°12 | 26° 0 | 11° 9 | M24 |
| T 25 | 4 41 23 | 9°44'38 | 0♋42 | 18°52 | 26°41 | 5°40 | 27°44 | 6° 2 | 4°27 | 2°54 | 4°22 | 8°43 | 10° 9 | 26° 7 | 11°14 | T 25 |
| W26 | 4 45 20 | 10°45'43 | 15°34 | 20° 2 | 27°45 | 6°24 | 27°41 | 6° 4 | 4°27 | 2°55 | 4°21 | 8°38 | 10° 6 | 26°13 | 11°19 | W26 |
| T 27 | 4 49 16 | 11°46'49 | 0♌17 | 21°14 | 28°49 | 7° 9 | 27°37 | 6° 6 | 4°28 | 2°56 | 4°20 | 8°36 | 10° 3 | 26°20 | 11°24 | T 27 |
| F 28 | 4 53 13 | 12°47'56 | 14°48 | 22°29 | 29°53 | 7°53 | 27°33 | 6° 7 | 4°28 | 2°57 | 4°19 | 8°D36 | 9°59 | 26°26 | 11°29 | F 28 |
| S 29 | 4 57 9 | 13°49'03 | 29° 1 | 23°46 | 0♒57 | 8°38 | 27°29 | 6° 8 | 4°28 | 2°58 | 4°18 | 8°37 | 9°56 | 26°33 | 11°34 | S 29 |
| S 30 | 5 1 6 | 14♐50'12 | 12♍56 | 25♏ 4 | 2♒ 1 | 9♐22 | 27♋25 | 6♍ 9 | 4♍28 | 2♎59 | 4♉17 | 8°R37 | 9♌53 | 26♑40 | 11♑39 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s31 | 15n58 | 0n37 | 19s33 | 0s40 | 26s12 | 2s39 | 17s27 | 0s 8 | 21n 2 | 0n25 | 11n19 | 1n40 | 10n47 | 0n45 | 0n30 | 1n33 | 1s44 | 15s47 | 17n27 | 17n26 | 19s56 | 17s17 | 5n56 |
| S 2 | 16 49 | 12 23 | 1 48 | 18 56 | 0 20 | 26 12 | 2 39 | 17 39 | 0 9 | 21 2 | 0 25 | 11 18 | 1 41 | 10 47 | 0 45 | 0 29 | 1 33 | 1 44 | 15 47 | 17 27 | 17 27 | 19 56 | 17 17 | 5 56 |
| M 3 | 17 6 | 8 11 | 2 52 | 18 17 | 0 0 | 26 12 | 2 40 | 17 52 | 0 10 | 21 2 | 0 25 | 11 16 | 1 41 | 10 46 | 0 45 | 0 28 | 1 33 | 1 44 | 15 47 | 17 28 | 17 28 | 19 56 | 17 18 | 5 56 |
| T 4 | 17 23 | 3 36 | 3 46 | 17 36 | 0n21 | 26 12 | 2 41 | 18 4 | 0 10 | 21 2 | 0 25 | 11 15 | 1 41 | 10 46 | 0 45 | 0 28 | 1 33 | 1 44 | 15 47 | 17 29 | 17 29 | 19 55 | 17 18 | 5 55 |
| W 5 | 17 40 | 1s 5 | 4 26 | 16 54 | 0 41 | 26 10 | 2 42 | 18 16 | 0 11 | 21 2 | 0 25 | 11 14 | 1 41 | 10 45 | 0 45 | 0 27 | 1 33 | 1 45 | 15 47 | 17 31 | 17 30 | 19 55 | 17 18 | 5 55 |
| T 6 | 17 57 | 5 39 | 4 51 | 16 13 | 1 1 | 26 8 | 2 42 | 18 28 | 0 11 | 21 2 | 0 26 | 11 13 | 1 42 | 10 45 | 0 45 | 0 27 | 1 33 | 1 45 | 15 47 | 17 34 | 17 31 | 19 55 | 17 18 | 5 55 |
| F 7 | 18 13 | 9 54 | 5 0 | 15 33 | 1 19 | 26 5 | 2 42 | 18 40 | 0 12 | 21 2 | 0 26 | 11 12 | 1 42 | 10 44 | 0 45 | 0 26 | 1 33 | 1 45 | 15 47 | 17 38 | 17 31 | 19 54 | 17 18 | 5 54 |
| S 8 | 18 28 | 13 38 | 4 54 | 14 56 | 1 36 | 26 2 | 2 43 | 18 52 | 0 13 | 21 2 | 0 26 | 11 11 | 1 42 | 10 44 | 0 45 | 0 25 | 1 33 | 1 45 | 15 46 | 17 42 | 17 32 | 19 54 | 17 18 | 5 54 |
| S 9 | 18 44 | 16 41 | 4 34 | 14 23 | 1 51 | 25 57 | 2 43 | 19 3 | 0 13 | 21 2 | 0 26 | 11 10 | 1 42 | 10 43 | 0 45 | 0 25 | 1 33 | 1 45 | 15 46 | 17 45 | 17 33 | 19 54 | 17 18 | 5 54 |
| M10 | 18 59 | 18 55 | 4 1 | 13 55 | 2 4 | 25 52 | 2 43 | 19 15 | 0 14 | 21 3 | 0 26 | 11 9 | 1 43 | 10 43 | 0 45 | 0 24 | 1 33 | 1 46 | 15 46 | 17 48 | 17 34 | 19 53 | 17 18 | 5 54 |
| T 11 | 19 14 | 20 15 | 3 17 | 13 32 | 2 15 | 25 47 | 2 43 | 19 26 | 0 15 | 21 3 | 0 27 | 11 8 | 1 43 | 10 42 | 0 45 | 0 24 | 1 33 | 1 46 | 15 46 | 17 51 | 17 35 | 19 53 | 17 17 | 5 53 |
| W12 | 19 28 | 20 40 | 2 26 | 13 14 | 2 24 | 25 40 | 2 42 | 19 37 | 0 15 | 21 3 | 0 27 | 11 7 | 1 43 | 10 42 | 0 46 | 0 23 | 1 33 | 1 46 | 15 46 | 17 53 | 17 36 | 19 53 | 17 17 | 5 53 |
| T 13 | 19 42 | 20 8 | 1 28 | 13 1 | 2 31 | 25 33 | 2 42 | 19 48 | 0 16 | 21 4 | 0 27 | 11 6 | 1 43 | 10 41 | 0 46 | 0 23 | 1 33 | 1 46 | 15 46 | 17 54 | 17 37 | 19 52 | 17 17 | 5 53 |
| F 14 | 19 56 | 18 44 | 0 26 | 12 54 | 2 35 | 25 26 | 2 41 | 19 59 | 0 16 | 21 4 | 0 27 | 11 5 | 1 43 | 10 41 | 0 46 | 0 22 | 1 33 | 1 46 | 15 46 | 17 54 | 17 38 | 19 52 | 17 17 | 5 52 |
| S 15 | 20 9 | 16 31 | 0s37 | 12 52 | 2 38 | 25 17 | 2 41 | 20 9 | 0 17 | 21 5 | 0 27 | 11 5 | 1 44 | 10 41 | 0 46 | 0 21 | 1 34 | 1 47 | 15 45 | 17 54 | 17 38 | 19 52 | 17 17 | 5 52 |
| S 16 | 20 22 | 13 36 | 1 38 | 12 54 | 2 40 | 25 8 | 2 40 | 20 19 | 0 18 | 21 5 | 0 28 | 11 4 | 1 44 | 10 40 | 0 46 | 0 21 | 1 34 | 1 47 | 15 45 | 17 54 | 17 39 | 19 51 | 17 17 | 5 52 |
| M17 | 20 35 | 10 3 | 2 37 | 13 1 | 2 40 | 24 58 | 2 39 | 20 30 | 0 18 | 21 6 | 0 28 | 11 3 | 1 44 | 10 40 | 0 46 | 0 20 | 1 34 | 1 47 | 15 45 | 17 54 | 17 40 | 19 51 | 17 17 | 5 52 |
| T 18 | 20 47 | 6 1 | 3 29 | 13 11 | 2 38 | 24 48 | 2 38 | 20 40 | 0 19 | 21 6 | 0 28 | 11 3 | 1 45 | 10 40 | 0 46 | 0 20 | 1 34 | 1 47 | 15 45 | 17 55 | 17 41 | 19 51 | 17 17 | 5 51 |
| W19 | 20 59 | 1 35 | 4 13 | 13 24 | 2 36 | 24 37 | 2 37 | 20 49 | 0 19 | 21 7 | 0 28 | 11 2 | 1 45 | 10 40 | 0 46 | 0 19 | 1 34 | 1 47 | 15 45 | 17 56 | 17 42 | 19 50 | 17 17 | 5 51 |
| T 20 | 21 10 | 3n 3 | 4 45 | 13 41 | 2 33 | 24 26 | 2 35 | 20 59 | 0 20 | 21 8 | 0 28 | 11 1 | 1 45 | 10 39 | 0 46 | 0 19 | 1 34 | 1 47 | 15 45 | 17 58 | 17 43 | 19 50 | 17 17 | 5 51 |
| F 21 | 21 21 | 7 41 | 5 2 | 13 59 | 2 29 | 24 13 | 2 34 | 21 8 | 0 21 | 21 8 | 0 29 | 11 1 | 1 45 | 10 39 | 0 46 | 0 19 | 1 34 | 1 47 | 15 44 | 18 0 | 17 44 | 19 49 | 17 16 | 5 51 |
| S 22 | 21 32 | 12 4 | 5 1 | 14 20 | 2 24 | 24 1 | 2 32 | 21 17 | 0 21 | 21 9 | 0 29 | 11 0 | 1 46 | 10 39 | 0 46 | 0 18 | 1 34 | 1 48 | 15 44 | 18 3 | 17 44 | 19 49 | 17 16 | 5 51 |
| S 23 | 21 42 | 15 52 | 4 42 | 14 42 | 2 18 | 23 47 | 2 31 | 21 26 | 0 22 | 21 10 | 0 29 | 11 0 | 1 46 | 10 39 | 0 46 | 0 18 | 1 34 | 1 48 | 15 44 | 18 6 | 17 45 | 19 49 | 17 16 | 5 50 |
| M24 | 21 52 | 18 45 | 4 4 | 15 5 | 2 12 | 23 33 | 2 29 | 21 35 | 0 22 | 21 11 | 0 29 | 10 59 | 1 46 | 10 39 | 0 46 | 0 17 | 1 34 | 1 48 | 15 44 | 18 8 | 17 46 | 19 48 | 17 16 | 5 50 |
| T 25 | 22 1 | 20 25 | 3 8 | 15 30 | 2 6 | 23 19 | 2 26 | 21 44 | 0 23 | 21 11 | 0 29 | 10 59 | 1 46 | 10 38 | 0 46 | 0 17 | 1 34 | 1 48 | 15 44 | 18 10 | 17 47 | 19 48 | 17 16 | 5 50 |
| W26 | 22 10 | 20 39 | 2 0 | 15 55 | 1 59 | 23 4 | 2 24 | 21 52 | 0 24 | 21 12 | 0 30 | 10 59 | 1 47 | 10 38 | 0 46 | 0 16 | 1 34 | 1 48 | 15 43 | 18 11 | 17 48 | 19 47 | 17 15 | 5 50 |
| T 27 | 22 18 | 19 28 | 0 44 | 16 21 | 1 53 | 22 48 | 2 22 | 22 0 | 0 24 | 21 13 | 0 30 | 10 58 | 1 47 | 10 38 | 0 46 | 0 16 | 1 34 | 1 48 | 15 43 | 18 12 | 17 49 | 19 47 | 17 15 | 5 50 |
| F 28 | 22 26 | 17 0 | 0n33 | 16 47 | 1 45 | 22 32 | 2 19 | 22 8 | 0 25 | 21 14 | 0 30 | 10 58 | 1 47 | 10 38 | 0 46 | 0 16 | 1 34 | 1 48 | 15 43 | 18 12 | 17 50 | 19 47 | 17 15 | 5 49 |
| S 29 | 22 34 | 13 33 | 1 47 | 17 13 | 1 38 | 22 15 | 2 16 | 22 16 | 0 26 | 21 15 | 0 30 | 10 58 | 1 47 | 10 38 | 0 46 | 0 15 | 1 34 | 1 48 | 15 43 | 18 12 | 17 50 | 19 46 | 17 15 | 5 49 |
| S 30 | 22s41 | 9n24 | 2n54 | 17s39 | 1n31 | 21s58 | 2s14 | 22s23 | 0s26 | 21n16 | 0n30 | 10n58 | 1n48 | 10n38 | 0n46 | 0n15 | 1n34 | 1s48 | 15s42 | 18n11 | 17n51 | 19s46 | 17s14 | 5n49 |

Julian Day Number = 2131903.5, Delta T = 16m27s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'21, Lahiri = 11°39'22 Julian Calendar 1 Nov. 1124 == Greg. Calendar 8 Nov. 1124


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# ASTRODIENST EPHEMERIS for the year 1124
# geocentric

## DECEMBER 1124 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 5 3 | 15♐51'21 | 26♍34 | 26♏24 | 3♒ 4 | 10♐ 7 | 27°R21 | 6♍10 | 4♍28 | 3♎ 0 | 4°R17 | 8°R37 | 9♌50 | 26♉46 | 11♉44 | M 1 |
| T 2 | 5 8 59 | 16°52'31 | 9♎56 | 27°46 | 4° 6 | 10°52 | 27♋16 | 6°11 | 4°29 | 3° 1 | 4♉16 | 8♌34 | 9°47 | 26°53 | 11°49 | T 2 |
| W 3 | 5 12 56 | 17°53'41 | 23° 3 | 29° 8 | 5° 9 | 11°36 | 27°12 | 6°12 | 4°R29 | 3° 2 | 4°15 | 8°29 | 9°43 | 27° 0 | 11°54 | W 3 |
| T 4 | 5 16 52 | 18°54'52 | 5♏57 | 0♐32 | 6°11 | 12°21 | 27° 7 | 6°13 | 4°29 | 3° 2 | 4°14 | 8°22 | 9°40 | 27° 6 | 12° 0 | T 4 |
| F 5 | 5 20 49 | 19°56'04 | 18°38 | 1°56 | 7°12 | 13° 6 | 27° 2 | 6°13 | 4°28 | 3° 3 | 4°14 | 8°14 | 9°37 | 27°13 | 12° 5 | F 5 |
| S 6 | 5 24 45 | 20°57'16 | 1♐ 8 | 3°22 | 8°14 | 13°51 | 26°57 | 6°14 | 4°28 | 3° 4 | 4°13 | 8° 4 | 9°34 | 27°20 | 12°10 | S 6 |
| S 7 | 5 28 42 | 21°58'29 | 13°27 | 4°48 | 9°15 | 14°36 | 26°51 | 6°14 | 4°28 | 3° 5 | 4°12 | 7°55 | 9°31 | 27°26 | 12°15 | S 7 |
| M 8 | 5 32 38 | 22°59'42 | 25°36 | 6°15 | 10°15 | 15°21 | 26°46 | 6°15 | 4°28 | 3° 6 | 4°11 | 7°47 | 9°28 | 27°33 | 12°21 | M 8 |
| T 9 | 5 36 35 | 24° 0'55 | 7♑36 | 7°42 | 11°15 | 16° 6 | 26°40 | 6°15 | 4°28 | 3° 6 | 4°11 | 7°41 | 9°24 | 27°40 | 12°26 | T 9 |
| W10 | 5 40 32 | 25° 2'08 | 19°29 | 9°10 | 12°15 | 16°51 | 26°34 | 6°R15 | 4°27 | 3° 7 | 4°10 | 7°37 | 9°21 | 27°46 | 12°31 | W10 |
| T 11 | 5 44 28 | 26° 3'21 | 1♒17 | 10°39 | 13°14 | 17°36 | 26°28 | 6°15 | 4°27 | 3° 7 | 4° 9 | 7°35 | 9°18 | 27°53 | 12°37 | T 11 |
| F 12 | 5 48 25 | 27° 4'34 | 13° 3 | 12° 8 | 14°13 | 18°21 | 26°22 | 6°15 | 4°26 | 3° 8 | 4° 9 | 7°D35 | 9°15 | 28° 0 | 12°42 | F 12 |
| S 13 | 5 52 21 | 28° 5'47 | 24°50 | 13°37 | 15°11 | 19° 7 | 26°16 | 6°14 | 4°26 | 3° 9 | 4° 8 | 7°36 | 9°12 | 28° 6 | 12°47 | S 13 |
| S 14 | 5 56 18 | 29° 7'00 | 6♓43 | 15° 7 | 16° 8 | 19°52 | 26°10 | 6°14 | 4°25 | 3° 9 | 4° 8 | 7°38 | 9° 9 | 28°13 | 12°53 | S 14 |
| M15 | 6 0 14 | 0♉ 8'12 | 18°47 | 16°38 | 17° 6 | 20°37 | 26° 3 | 6°13 | 4°25 | 3°10 | 4° 7 | 7°39 | 9° 5 | 28°20 | 12°58 | M15 |
| T 16 | 6 4 11 | 1° 9'24 | 1♈ 7 | 18° 9 | 18° 2 | 21°22 | 25°56 | 6°13 | 4°24 | 3°10 | 4° 6 | 7°R40 | 9° 2 | 28°26 | 13° 4 | T 16 |
| W17 | 6 8 7 | 2°10'35 | 13°47 | 19°40 | 18°58 | 22° 8 | 25°50 | 6°12 | 4°23 | 3°11 | 4° 6 | 7°39 | 8°59 | 28°33 | 13° 9 | W17 |
| T 18 | 6 12 4 | 3°11'46 | 26°52 | 21°12 | 19°53 | 22°53 | 25°43 | 6°11 | 4°22 | 3°11 | 4° 5 | 7°37 | 8°56 | 28°39 | 13°14 | T 18 |
| F 19 | 6 16 1 | 4°12'57 | 10♉26 | 22°44 | 20°48 | 23°39 | 25°36 | 6°10 | 4°22 | 3°11 | 4° 5 | 7°33 | 8°53 | 28°46 | 13°20 | F 19 |
| S 20 | 6 19 57 | 5°14'07 | 24°28 | 24°16 | 21°42 | 24°24 | 25°29 | 6° 9 | 4°21 | 3°12 | 4° 4 | 7°28 | 8°49 | 28°53 | 13°25 | S 20 |
| S 21 | 6 23 54 | 6°15'17 | 8♊57 | 25°49 | 22°36 | 25°10 | 25°22 | 6° 8 | 4°20 | 3°12 | 4° 4 | 7°23 | 8°46 | 28°59 | 13°31 | S 21 |
| M22 | 6 27 50 | 7°16'26 | 23°49 | 27°22 | 23°28 | 25°55 | 25°14 | 6° 7 | 4°19 | 3°12 | 4° 4 | 7°19 | 8°43 | 29° 6 | 13°36 | M22 |
| T 23 | 6 31 47 | 8°17'35 | 8♋55 | 28°56 | 24°20 | 26°41 | 25° 7 | 6° 5 | 4°18 | 3°12 | 4° 3 | 7°15 | 8°40 | 29°13 | 13°42 | T 23 |
| W24 | 6 35 43 | 9°18'43 | 24° 6 | 0♑31 | 25°11 | 27°26 | 25° 0 | 6° 4 | 4°17 | 3°12 | 4° 3 | 7°13 | 8°37 | 29°19 | 13°47 | W24 |
| T 25 | 6 39 40 | 10°19'51 | 9♌12 | 2° 5 | 26° 1 | 28°12 | 24°52 | 6° 2 | 4°15 | 3°13 | 4° 2 | 7°D13 | 8°34 | 29°26 | 13°53 | T 25 |
| F 26 | 6 43 37 | 11°20'59 | 24° 5 | 3°40 | 26°51 | 28°58 | 24°44 | 6° 1 | 4°14 | 3°13 | 4° 2 | 7°13 | 8°30 | 29°33 | 13°58 | F 26 |
| S 27 | 6 47 33 | 12°22'07 | 8♍38 | 5°16 | 27°40 | 29°44 | 24°37 | 5°59 | 4°13 | 3°13 | 4° 2 | 7°15 | 8°27 | 29°39 | 14° 4 | S 27 |
| S 28 | 6 51 30 | 13°23'14 | 22°49 | 6°52 | 28°27 | 0♑29 | 24°29 | 5°57 | 4°12 | 3°13 | 4° 1 | 7°16 | 8°24 | 29°46 | 14° 9 | S 28 |
| M29 | 6 55 26 | 14°24'20 | 6♎35 | 8°29 | 29°14 | 1°15 | 24°21 | 5°55 | 4°10 | 3°R13 | 4° 1 | 7°17 | 8°21 | 29°53 | 14°15 | M29 |
| T 30 | 6 59 23 | 15°25'27 | 19°58 | 10° 6 | 29°59 | 2° 1 | 24°13 | 5°53 | 4° 9 | 3°13 | 4° 1 | 7°R18 | 8°18 | 29°59 | 14°20 | T 30 |
| W31 | 7 3 19 | 16♑26'33 | 2♏59 | 11♑44 | 0♓45 | 2♑47 | 24♋ 6 | 5♍51 | 4♍ 7 | 3♎13 | 4♉ 1 | 7♌17 | 8♌14 | 0♒ 6 | 14♑26 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s48 | 4n52 | 3n49 | 18s 6 | 1n23 | 21s41 | 2s11 | 22s31 | 0s27 | 21n17 | 0n31 | 10n58 | 1n48 | 10n38 | 0n46 | 0n15 | 1n34 | 1s48 | 15s42 | 18n12 | 17n52 | 19s45 | 17s14 | 5n49 |
| T 2 | 22 54 | 0 11 | 4 30 | 18 32 | 1 15 | 21 23 | 2 7 | 22 38 | 0 27 | 21 18 | 0 31 | 10 57 | 1 48 | 10 38 | 0 46 | 0 14 | 1 34 | 1 48 | 15 42 | 18 12 | 17 53 | 19 45 | 17 14 | 5 49 |
| W 3 | 23 0 | 4s25 | 4 56 | 18 58 | 1 8 | 21 4 | 2 4 | 22 45 | 0 28 | 21 19 | 0 31 | 10 57 | 1 48 | 10 38 | 0 46 | 0 14 | 1 34 | 1 48 | 15 42 | 18 13 | 17 54 | 19 44 | 17 14 | 5 49 |
| T 4 | 23 5 | 8 44 | 5 7 | 19 23 | 1 0 | 20 45 | 2 0 | 22 51 | 0 29 | 21 21 | 0 31 | 10 57 | 1 49 | 10 38 | 0 46 | 0 14 | 1 35 | 1 48 | 15 41 | 18 15 | 17 55 | 19 44 | 17 13 | 5 49 |
| F 5 | 23 10 | 12 36 | 5 2 | 19 48 | 0 52 | 20 26 | 1 57 | 22 57 | 0 29 | 21 22 | 0 31 | 10 57 | 1 49 | 10 38 | 0 47 | 0 14 | 1 35 | 1 48 | 15 41 | 18 18 | 17 56 | 19 44 | 17 13 | 5 48 |
| S 6 | 23 14 | 15 52 | 4 43 | 20 12 | 0 44 | 20 6 | 1 53 | 23 4 | 0 30 | 21 23 | 0 32 | 10 57 | 1 49 | 10 38 | 0 47 | 0 13 | 1 35 | 1 48 | 15 41 | 18 20 | 17 56 | 19 43 | 17 13 | 5 48 |
| S 7 | 23 18 | 18 22 | 4 11 | 20 36 | 0 37 | 19 46 | 1 49 | 23 10 | 0 30 | 21 24 | 0 32 | 10 58 | 1 49 | 10 38 | 0 47 | 0 13 | 1 35 | 1 48 | 15 41 | 18 22 | 17 57 | 19 43 | 17 12 | 5 48 |
| M 8 | 23 22 | 20 1 | 3 28 | 20 59 | 0 29 | 19 26 | 1 44 | 23 15 | 0 31 | 21 25 | 0 32 | 10 58 | 1 50 | 10 38 | 0 47 | 0 13 | 1 35 | 1 48 | 15 40 | 18 25 | 17 58 | 19 42 | 17 12 | 5 48 |
| T 9 | 23 25 | 20 45 | 2 35 | 21 21 | 0 21 | 19 5 | 1 40 | 23 21 | 0 31 | 21 27 | 0 32 | 10 58 | 1 50 | 10 39 | 0 47 | 0 13 | 1 35 | 1 48 | 15 40 | 18 26 | 17 59 | 19 42 | 17 11 | 5 48 |
| W10 | 23 27 | 20 32 | 1 37 | 21 42 | 0 14 | 18 44 | 1 35 | 23 26 | 0 32 | 21 28 | 0 32 | 10 58 | 1 50 | 10 39 | 0 47 | 0 12 | 1 35 | 1 48 | 15 40 | 18 27 | 18 0 | 19 41 | 17 11 | 5 48 |
| T 11 | 23 30 | 19 25 | 0 34 | 22 2 | 0 6 | 18 22 | 1 30 | 23 31 | 0 33 | 21 29 | 0 32 | 10 58 | 1 51 | 10 39 | 0 47 | 0 12 | 1 35 | 1 48 | 15 40 | 18 28 | 18 1 | 19 41 | 17 11 | 5 48 |
| F 12 | 23 31 | 17 27 | 0s30 | 22 22 | 0s 1 | 18 0 | 1 25 | 23 35 | 0 33 | 21 31 | 0 33 | 10 59 | 1 51 | 10 39 | 0 47 | 0 12 | 1 35 | 1 48 | 15 39 | 18 28 | 18 1 | 19 40 | 17 10 | 5 48 |
| S 13 | 23 32 | 14 46 | 1 33 | 22 40 | 0 8 | 17 38 | 1 20 | 23 40 | 0 34 | 21 32 | 0 33 | 10 59 | 1 51 | 10 39 | 0 47 | 0 12 | 1 35 | 1 48 | 15 39 | 18 27 | 18 2 | 19 40 | 17 10 | 5 48 |
| S 14 | 23 33 | 11 27 | 2 32 | 22 58 | 0 15 | 17 16 | 1 15 | 23 44 | 0 34 | 21 33 | 0 33 | 10 59 | 1 51 | 10 40 | 0 47 | 0 12 | 1 35 | 1 48 | 15 39 | 18 27 | 18 3 | 19 39 | 17 9 | 5 48 |
| M15 | 23 33 | 7 37 | 3 26 | 23 14 | 0 22 | 16 53 | 1 9 | 23 48 | 0 35 | 21 35 | 0 33 | 11 0 | 1 52 | 10 40 | 0 47 | 0 12 | 1 35 | 1 48 | 15 38 | 18 27 | 18 4 | 19 39 | 17 9 | 5 47 |
| T 16 | 23 33 | 3 24 | 4 12 | 23 30 | 0 29 | 16 30 | 1 4 | 23 52 | 0 36 | 21 36 | 0 33 | 11 0 | 1 52 | 10 40 | 0 47 | 0 11 | 1 35 | 1 48 | 15 38 | 18 26 | 18 5 | 19 38 | 17 9 | 5 47 |
| W17 | 23 32 | 1n 4 | 4 46 | 23 44 | 0 35 | 16 7 | 0 58 | 23 55 | 0 36 | 21 38 | 0 34 | 11 1 | 1 52 | 10 41 | 0 47 | 0 11 | 1 35 | 1 47 | 15 38 | 18 27 | 18 6 | 19 38 | 17 8 | 5 47 |
| T 18 | 23 31 | 5 38 | 5 7 | 23 57 | 0 42 | 15 44 | 0 51 | 23 58 | 0 37 | 21 39 | 0 34 | 11 1 | 1 52 | 10 41 | 0 47 | 0 11 | 1 35 | 1 47 | 15 37 | 18 27 | 18 7 | 19 37 | 17 8 | 5 47 |
| F 19 | 23 29 | 10 4 | 5 12 | 24 9 | 0 48 | 15 20 | 0 45 | 24 1 | 0 37 | 21 41 | 0 34 | 11 2 | 1 53 | 10 41 | 0 47 | 0 11 | 1 35 | 1 47 | 15 37 | 18 28 | 18 7 | 19 37 | 17 7 | 5 47 |
| S 20 | 23 27 | 14 8 | 4 59 | 24 20 | 0 54 | 14 57 | 0 38 | 24 4 | 0 38 | 21 42 | 0 34 | 11 3 | 1 53 | 10 42 | 0 47 | 0 11 | 1 36 | 1 47 | 15 37 | 18 29 | 18 8 | 19 36 | 17 7 | 5 47 |
| S 21 | 23 24 | 17 30 | 4 27 | 24 29 | 1 0 | 14 33 | 0 32 | 24 6 | 0 38 | 21 44 | 0 34 | 11 3 | 1 53 | 10 42 | 0 47 | 0 11 | 1 36 | 1 47 | 15 37 | 18 31 | 18 9 | 19 36 | 17 6 | 5 47 |
| M22 | 23 21 | 19 49 | 3 36 | 24 37 | 1 6 | 14 9 | 0 25 | 24 8 | 0 39 | 21 45 | 0 34 | 11 4 | 1 53 | 10 42 | 0 47 | 0 11 | 1 36 | 1 47 | 15 36 | 18 32 | 18 10 | 19 35 | 17 6 | 5 47 |
| T 23 | 23 17 | 20 46 | 2 29 | 24 44 | 1 12 | 13 45 | 0 18 | 24 10 | 0 40 | 21 47 | 0 35 | 11 5 | 1 54 | 10 43 | 0 47 | 0 11 | 1 36 | 1 47 | 15 36 | 18 33 | 18 11 | 19 35 | 17 5 | 5 47 |
| W24 | 23 13 | 20 13 | 1 12 | 24 50 | 1 17 | 13 21 | 0 10 | 24 12 | 0 40 | 21 48 | 0 35 | 11 5 | 1 54 | 10 43 | 0 47 | 0 11 | 1 36 | 1 46 | 15 36 | 18 33 | 18 12 | 19 34 | 17 5 | 5 47 |
| T 25 | 23 9 | 18 13 | 0n11 | 24 54 | 1 22 | 12 57 | 0 3 | 24 13 | 0 41 | 21 50 | 0 35 | 11 6 | 1 54 | 10 44 | 0 47 | 0 11 | 1 36 | 1 46 | 15 35 | 18 33 | 18 12 | 19 34 | 17 4 | 5 47 |
| F 26 | 23 4 | 15 0 | 1 32 | 24 57 | 1 27 | 12 32 | 0n 5 | 24 14 | 0 41 | 21 51 | 0 35 | 11 7 | 1 54 | 10 44 | 0 47 | 0 11 | 1 36 | 1 46 | 15 35 | 18 33 | 18 13 | 19 33 | 17 3 | 5 47 |
| S 27 | 22 58 | 10 55 | 2 45 | 24 58 | 1 31 | 12 8 | 0 13 | 24 15 | 0 42 | 21 53 | 0 35 | 11 8 | 1 55 | 10 45 | 0 47 | 0 11 | 1 36 | 1 46 | 15 35 | 18 33 | 18 14 | 19 33 | 17 3 | 5 47 |
| S 28 | 22 52 | 6 19 | 3 46 | 24 58 | 1 36 | 11 44 | 0 21 | 24 15 | 0 42 | 21 54 | 0 35 | 11 9 | 1 55 | 10 45 | 0 47 | 0 11 | 1 36 | 1 46 | 15 34 | 18 32 | 18 15 | 19 32 | 17 2 | 5 47 |
| M29 | 22 46 | 1 32 | 4 32 | 24 56 | 1 40 | 11 20 | 0 30 | 24 16 | 0 43 | 21 56 | 0 36 | 11 10 | 1 55 | 10 46 | 0 48 | 0 11 | 1 36 | 1 45 | 15 34 | 18 32 | 18 16 | 19 32 | 17 2 | 5 47 |
| T 30 | 22 39 | 3s11 | 5 1 | 24 53 | 1 44 | 10 55 | 0 38 | 24 16 | 0 43 | 21 57 | 0 36 | 11 11 | 1 55 | 10 46 | 0 48 | 0 11 | 1 36 | 1 45 | 15 34 | 18 32 | 18 17 | 19 31 | 17 1 | 5 47 |
| W31 | 22s32 | 7s38 | 5n15 | 24s49 | 1s47 | 10s31 | 0n47 | 24s15 | 0s44 | 21n59 | 0n36 | 11n12 | 1n56 | 10n47 | 0n48 | 0n11 | 1n36 | 1s45 | 15s33 | 18n32 | 18n17 | 19s31 | 17s 1 | 5n47 |

Julian Day Number = 2131933.5, Delta T = 16m26s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'25, Lahiri = 11°39'26 Julian Calendar 1 Dec. 1124 == Greg. Calendar 8 Dec. 1124


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## JANUARY 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 7 16 | 17♑27'39 | 15♏43 | 13♑22 | 1♓28 | 3♑33 | 23°R58 | 5°R48 | 4°R 6 | 3°R13 | 4°R 0 | 7°R15 | 8♌11 | 0♒13 | 14♑31 | T 1 |
| F 2 | 7 11 12 | 18°28'44 | 28°10 | 15° 1 | 2°11 | 4°19 | 23♋50 | 5♍46 | 4♍ 4 | 3♎13 | 4♉ 0 | 7♌12 | 8° 8 | 0°19 | 14°37 | F 2 |
| S 3 | 7 15 9 | 19°29'49 | 10♐25 | 16°41 | 2°53 | 5° 5 | 23°42 | 5°44 | 4° 3 | 3°12 | 4° 0 | 7° 9 | 8° 5 | 0°26 | 14°42 | S 3 |
| S 4 | 7 19 6 | 20°30'53 | 22°31 | 18°21 | 3°33 | 5°51 | 23°34 | 5°41 | 4° 1 | 3°12 | 4° 0 | 7° 6 | 8° 2 | 0°32 | 14°48 | S 4 |
| M 5 | 7 23 2 | 21°31'56 | 4♑28 | 20° 2 | 4°12 | 6°37 | 23°26 | 5°38 | 4° 0 | 3°12 | 4° 0 | 7° 4 | 7°59 | 0°39 | 14°53 | M 5 |
| T 6 | 7 26 59 | 22°32'59 | 16°20 | 21°43 | 4°50 | 7°23 | 23°18 | 5°36 | 3°58 | 3°12 | 3°59 | 7° 2 | 7°55 | 0°46 | 14°58 | T 6 |
| W 7 | 7 30 55 | 23°34'01 | 28° 9 | 23°25 | 5°27 | 8° 9 | 23°10 | 5°33 | 3°56 | 3°11 | 3°59 | 7° 1 | 7°52 | 0°52 | 15° 4 | W 7 |
| T 8 | 7 34 52 | 24°35'01 | 9♒56 | 25° 8 | 6° 2 | 8°55 | 23° 2 | 5°30 | 3°54 | 3°11 | 3°59 | 7°D 1 | 7°49 | 0°59 | 15° 9 | T 8 |
| F 9 | 7 38 48 | 25°36'01 | 21°43 | 26°51 | 6°36 | 9°42 | 22°54 | 5°27 | 3°52 | 3°11 | 3°59 | 7° 1 | 7°46 | 1° 6 | 15°15 | F 9 |
| S 10 | 7 42 45 | 26°36'59 | 3♓34 | 28°35 | 7° 8 | 10°28 | 22°46 | 5°24 | 3°51 | 3°10 | 3°59 | 7° 2 | 7°43 | 1°12 | 15°20 | S 10 |
| S 11 | 7 46 41 | 27°37'57 | 15°32 | 0♒19 | 7°39 | 11°14 | 22°38 | 5°20 | 3°49 | 3°10 | 3°D59 | 7° 3 | 7°40 | 1°19 | 15°26 | S 11 |
| M12 | 7 50 38 | 28°38'53 | 27°38 | 2° 5 | 8° 8 | 12° 0 | 22°30 | 5°17 | 3°47 | 3° 9 | 3°59 | 7° 4 | 7°36 | 1°26 | 15°31 | M12 |
| T 13 | 7 54 35 | 29°39'47 | 9♈59 | 3°50 | 8°35 | 12°47 | 22°22 | 5°14 | 3°45 | 3° 9 | 3°59 | 7° 5 | 7°33 | 1°32 | 15°36 | T 13 |
| W14 | 7 58 31 | 0♒40'40 | 22°36 | 5°37 | 9° 1 | 13°33 | 22°14 | 5°10 | 3°43 | 3° 8 | 3°59 | 7° 5 | 7°30 | 1°39 | 15°42 | W14 |
| T 15 | 8 2 28 | 1°41'32 | 5♉35 | 7°23 | 9°25 | 14°19 | 22° 6 | 5° 7 | 3°41 | 3° 8 | 3°59 | 7°R 5 | 7°27 | 1°46 | 15°47 | T 15 |
| F 16 | 8 6 24 | 2°42'22 | 18°58 | 9°11 | 9°47 | 15° 6 | 21°58 | 5° 3 | 3°39 | 3° 7 | 3°59 | 7° 5 | 7°24 | 1°52 | 15°52 | F 16 |
| S 17 | 8 10 21 | 3°43'11 | 2♊48 | 10°58 | 10° 7 | 15°52 | 21°50 | 5° 0 | 3°36 | 3° 6 | 4° 0 | 7° 5 | 7°20 | 1°59 | 15°58 | S 17 |
| S 18 | 8 14 17 | 4°43'58 | 17° 5 | 12°46 | 10°25 | 16°39 | 21°43 | 4°56 | 3°34 | 3° 6 | 4° 0 | 7° 5 | 7°17 | 2° 6 | 16° 3 | S 18 |
| M19 | 8 18 14 | 5°44'44 | 1♋45 | 14°34 | 10°41 | 17°25 | 21°35 | 4°52 | 3°32 | 3° 5 | 4° 0 | 7° 4 | 7°14 | 2°12 | 16° 8 | M19 |
| T 20 | 8 22 10 | 6°45'28 | 16°46 | 16°22 | 10°55 | 18°12 | 21°28 | 4°48 | 3°30 | 3° 4 | 4° 0 | 7°D 4 | 7°11 | 2°19 | 16°13 | T 20 |
| W21 | 8 26 7 | 7°46'11 | 1♌58 | 18°10 | 11° 7 | 18°58 | 21°20 | 4°44 | 3°28 | 3° 4 | 4° 0 | 7°R 4 | 7° 8 | 2°25 | 16°18 | W21 |
| T 22 | 8 30 4 | 8°46'52 | 17°12 | 19°57 | 11°16 | 19°45 | 21°13 | 4°40 | 3°25 | 3° 3 | 4° 1 | 7° 4 | 7° 5 | 2°32 | 16°24 | T 22 |
| F 23 | 8 34 0 | 9°47'32 | 2♍19 | 21°44 | 11°23 | 20°31 | 21° 6 | 4°36 | 3°23 | 3° 2 | 4° 1 | 7° 4 | 7° 1 | 2°39 | 16°29 | F 23 |
| S 24 | 8 37 57 | 10°48'11 | 17° 9 | 23°31 | 11°28 | 21°18 | 20°58 | 4°32 | 3°21 | 3° 1 | 4° 1 | 7° 4 | 6°58 | 2°45 | 16°34 | S 24 |
| S 25 | 8 41 53 | 11°48'48 | 1♎36 | 25°16 | 11°R30 | 22° 4 | 20°51 | 4°28 | 3°18 | 3° 0 | 4° 1 | 7° 3 | 6°55 | 2°52 | 16°39 | S 25 |
| M26 | 8 45 50 | 12°49'24 | 15°37 | 26°59 | 11°30 | 22°51 | 20°44 | 4°24 | 3°16 | 3° 0 | 4° 2 | 7° 3 | 6°52 | 2°59 | 16°44 | M26 |
| T 27 | 8 49 46 | 13°49'58 | 29°10 | 28°40 | 11°27 | 23°38 | 20°37 | 4°19 | 3°14 | 2°59 | 4° 2 | 7° 2 | 6°49 | 3° 5 | 16°49 | T 27 |
| W28 | 8 53 43 | 14°50'32 | 12♏17 | 0♓20 | 11°22 | 24°24 | 20°31 | 4°15 | 3°11 | 2°58 | 4° 2 | 7°D 2 | 6°46 | 3°12 | 16°54 | W28 |
| T 29 | 8 57 39 | 15°51'04 | 25° 0 | 1°56 | 11°14 | 25°11 | 20°24 | 4°11 | 3° 9 | 2°57 | 4° 3 | 7° 2 | 6°42 | 3°19 | 16°59 | T 29 |
| F 30 | 9 1 36 | 16°51'35 | 7♐24 | 3°29 | 11° 4 | 25°58 | 20°17 | 4° 6 | 3° 6 | 2°56 | 4° 3 | 7° 3 | 6°39 | 3°25 | 17° 4 | F 30 |
| S 31 | 9 5 33 | 17♒52'04 | 19♐32 | 4♓57 | 10♓51 | 26♑44 | 20♋11 | 4♍ 2 | 3♍ 4 | 2♎55 | 4♉ 4 | 7♌ 4 | 6♌36 | 3♒32 | 17♑ 9 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s24 | 11s38 | 5n12 | 24s42 | 1s50 | 10s 7 | 0n56 | 24s15 | 0s44 | 22n 0 | 0n36 | 11n13 | 1n56 | 10n47 | 0n48 | 0n11 | 1n36 | 1s45 | 15s33 | 18n33 | 18n18 | 19s30 | 17s 0 | 5n47 |
| F 2 | 22 16 | 15 3 | 4 55 | 24 35 | 1 53 | 9 43 | 1 6 | 24 14 | 0 45 | 22 2 | 0 36 | 11 14 | 1 56 | 10 48 | 0 48 | 0 11 | 1 36 | 1 45 | 15 33 | 18 33 | 18 19 | 19 29 | 16 59 | 5 48 |
| S 3 | 22 8 | 17 45 | 4 24 | 24 25 | 1 56 | 9 20 | 1 15 | 24 13 | 0 46 | 22 3 | 0 36 | 11 15 | 1 56 | 10 49 | 0 48 | 0 12 | 1 36 | 1 44 | 15 32 | 18 34 | 18 20 | 19 29 | 16 59 | 5 48 |
| S 4 | 21 59 | 19 38 | 3 42 | 24 14 | 1 58 | 8 56 | 1 25 | 24 11 | 0 46 | 22 5 | 0 36 | 11 16 | 1 57 | 10 49 | 0 48 | 0 12 | 1 36 | 1 44 | 15 32 | 18 35 | 18 21 | 19 28 | 16 58 | 5 48 |
| M 5 | 21 49 | 20 38 | 2 51 | 24 2 | 2 0 | 8 32 | 1 35 | 24 10 | 0 47 | 22 7 | 0 37 | 11 18 | 1 57 | 10 50 | 0 48 | 0 12 | 1 36 | 1 44 | 15 32 | 18 36 | 18 22 | 19 28 | 16 57 | 5 48 |
| T 6 | 21 39 | 20 41 | 1 52 | 23 47 | 2 2 | 8 9 | 1 45 | 24 8 | 0 47 | 22 8 | 0 37 | 11 19 | 1 57 | 10 51 | 0 48 | 0 12 | 1 37 | 1 43 | 15 31 | 18 36 | 18 22 | 19 27 | 16 57 | 5 48 |
| W 7 | 21 29 | 19 50 | 0 49 | 23 31 | 2 3 | 7 46 | 1 56 | 24 5 | 0 48 | 22 10 | 0 37 | 11 20 | 1 57 | 10 51 | 0 48 | 0 12 | 1 37 | 1 43 | 15 31 | 18 36 | 18 23 | 19 27 | 16 56 | 5 48 |
| T 8 | 21 18 | 18 6 | 0s16 | 23 14 | 2 4 | 7 23 | 2 6 | 24 3 | 0 48 | 22 11 | 0 37 | 11 21 | 1 57 | 10 52 | 0 48 | 0 12 | 1 37 | 1 43 | 15 31 | 18 36 | 18 24 | 19 26 | 16 55 | 5 48 |
| F 9 | 21 7 | 15 36 | 1 21 | 22 55 | 2 4 | 7 1 | 2 17 | 24 0 | 0 49 | 22 12 | 0 37 | 11 23 | 1 58 | 10 53 | 0 48 | 0 13 | 1 37 | 1 43 | 15 30 | 18 36 | 18 25 | 19 25 | 16 55 | 5 48 |
| S 10 | 20 56 | 12 27 | 2 22 | 22 34 | 2 4 | 6 39 | 2 28 | 23 57 | 0 49 | 22 14 | 0 37 | 11 24 | 1 58 | 10 53 | 0 48 | 0 13 | 1 37 | 1 42 | 15 30 | 18 36 | 18 26 | 19 25 | 16 54 | 5 48 |
| S 11 | 20 44 | 8 46 | 3 18 | 22 11 | 2 3 | 6 17 | 2 39 | 23 54 | 0 50 | 22 15 | 0 37 | 11 26 | 1 58 | 10 54 | 0 48 | 0 13 | 1 37 | 1 42 | 15 30 | 18 36 | 18 26 | 19 24 | 16 53 | 5 48 |
| M12 | 20 32 | 4 42 | 4 6 | 21 46 | 2 2 | 5 55 | 2 51 | 23 50 | 0 50 | 22 17 | 0 37 | 11 27 | 1 58 | 10 55 | 0 48 | 0 13 | 1 37 | 1 42 | 15 29 | 18 35 | 18 27 | 19 24 | 16 52 | 5 48 |
| T 13 | 20 19 | 0 22 | 4 43 | 21 20 | 2 1 | 5 34 | 3 2 | 23 47 | 0 51 | 22 18 | 0 38 | 11 28 | 1 59 | 10 56 | 0 48 | 0 13 | 1 37 | 1 41 | 15 29 | 18 35 | 18 28 | 19 23 | 16 52 | 5 49 |
| W14 | 20 6 | 4n 4 | 5 8 | 20 52 | 1 59 | 5 14 | 3 14 | 23 42 | 0 51 | 22 20 | 0 38 | 11 30 | 1 59 | 10 56 | 0 48 | 0 14 | 1 37 | 1 41 | 15 29 | 18 35 | 18 29 | 19 22 | 16 51 | 5 49 |
| T 15 | 19 53 | 8 27 | 5 18 | 20 23 | 1 56 | 4 54 | 3 26 | 23 38 | 0 52 | 22 21 | 0 38 | 11 31 | 1 59 | 10 57 | 0 48 | 0 14 | 1 37 | 1 41 | 15 28 | 18 35 | 18 30 | 19 22 | 16 50 | 5 49 |
| F 16 | 19 39 | 12 33 | 5 11 | 19 51 | 1 53 | 4 34 | 3 38 | 23 33 | 0 52 | 22 22 | 0 38 | 11 33 | 1 59 | 10 58 | 0 48 | 0 14 | 1 37 | 1 40 | 15 28 | 18 35 | 18 31 | 19 21 | 16 49 | 5 49 |
| S 17 | 19 25 | 16 8 | 4 47 | 19 19 | 1 49 | 4 15 | 3 51 | 23 28 | 0 53 | 22 24 | 0 38 | 11 34 | 1 59 | 10 59 | 0 48 | 0 15 | 1 37 | 1 40 | 15 28 | 18 35 | 18 31 | 19 20 | 16 49 | 5 49 |
| S 18 | 19 10 | 18 52 | 4 4 | 18 44 | 1 45 | 3 57 | 4 3 | 23 23 | 0 53 | 22 25 | 0 38 | 11 36 | 1 59 | 11 0 | 0 48 | 0 15 | 1 37 | 1 39 | 15 27 | 18 35 | 18 32 | 19 20 | 16 48 | 5 49 |
| M19 | 18 55 | 20 28 | 3 4 | 18 8 | 1 40 | 3 39 | 4 16 | 23 18 | 0 54 | 22 26 | 0 38 | 11 38 | 2 0 | 11 0 | 0 48 | 0 15 | 1 37 | 1 39 | 15 27 | 18 35 | 18 33 | 19 19 | 16 47 | 5 50 |
| T 20 | 18 40 | 20 40 | 1 51 | 17 30 | 1 34 | 3 22 | 4 28 | 23 12 | 0 54 | 22 28 | 0 38 | 11 39 | 2 0 | 11 1 | 0 48 | 0 16 | 1 37 | 1 39 | 15 27 | 18 35 | 18 34 | 19 19 | 16 46 | 5 50 |
| W21 | 18 25 | 19 21 | 0 28 | 16 51 | 1 28 | 3 6 | 4 41 | 23 6 | 0 55 | 22 29 | 0 38 | 11 41 | 2 0 | 11 2 | 0 48 | 0 16 | 1 37 | 1 38 | 15 26 | 18 35 | 18 35 | 19 18 | 16 46 | 5 50 |
| T 22 | 18 9 | 16 39 | 0n56 | 16 11 | 1 21 | 2 50 | 4 54 | 23 0 | 0 55 | 22 30 | 0 38 | 11 42 | 2 0 | 11 3 | 0 48 | 0 16 | 1 37 | 1 38 | 15 26 | 18 35 | 18 35 | 19 17 | 16 45 | 5 50 |
| F 23 | 17 53 | 12 49 | 2 16 | 15 29 | 1 13 | 2 36 | 5 7 | 22 53 | 0 55 | 22 31 | 0 39 | 11 44 | 2 0 | 11 4 | 0 48 | 0 17 | 1 37 | 1 38 | 15 25 | 18 35 | 18 36 | 19 17 | 16 44 | 5 50 |
| S 24 | 17 36 | 8 15 | 3 25 | 14 46 | 1 5 | 2 22 | 5 20 | 22 47 | 0 56 | 22 33 | 0 39 | 11 46 | 2 1 | 11 5 | 0 48 | 0 17 | 1 38 | 1 37 | 15 25 | 18 36 | 18 37 | 19 16 | 16 43 | 5 50 |
| S 25 | 17 20 | 3 19 | 4 19 | 14 2 | 0 56 | 2 9 | 5 33 | 22 40 | 0 56 | 22 34 | 0 39 | 11 47 | 2 1 | 11 5 | 0 48 | 0 17 | 1 38 | 1 37 | 15 25 | 18 36 | 18 38 | 19 15 | 16 42 | 5 51 |
| M26 | 17 2 | 1s37 | 4 56 | 13 18 | 0 46 | 1 57 | 5 46 | 22 32 | 0 57 | 22 35 | 0 39 | 11 49 | 2 1 | 11 6 | 0 48 | 0 18 | 1 38 | 1 36 | 15 24 | 18 36 | 18 39 | 19 15 | 16 42 | 5 51 |
| T 27 | 16 45 | 6 19 | 5 15 | 12 33 | 0 36 | 1 46 | 5 59 | 22 25 | 0 57 | 22 36 | 0 39 | 11 51 | 2 1 | 11 7 | 0 48 | 0 18 | 1 38 | 1 36 | 15 24 | 18 36 | 18 39 | 19 14 | 16 41 | 5 51 |
| W28 | 16 27 | 10 34 | 5 17 | 11 47 | 0 24 | 1 36 | 6 12 | 22 17 | 0 58 | 22 37 | 0 39 | 11 53 | 2 1 | 11 8 | 0 48 | 0 19 | 1 38 | 1 35 | 15 24 | 18 36 | 18 40 | 19 13 | 16 40 | 5 51 |
| T 29 | 16 10 | 14 12 | 5 3 | 11 2 | 0 12 | 1 28 | 6 24 | 22 9 | 0 58 | 22 38 | 0 39 | 11 54 | 2 1 | 11 9 | 0 48 | 0 19 | 1 38 | 1 35 | 15 23 | 18 36 | 18 41 | 19 13 | 16 39 | 5 52 |
| F 30 | 15 51 | 17 8 | 4 35 | 10 16 | 0n 0 | 1 20 | 6 37 | 22 1 | 0 59 | 22 39 | 0 39 | 11 56 | 2 2 | 11 10 | 0 48 | 0 20 | 1 38 | 1 35 | 15 23 | 18 36 | 18 42 | 19 12 | 16 38 | 5 52 |
| S 31 | 15s33 | 19s14 | 3n55 | 9s32 | 0n14 | 1s13 | 6n49 | 21s52 | 0s59 | 22n40 | 0n39 | 11n58 | 2n 2 | 11n11 | 0n48 | 0n20 | 1n38 | 1s34 | 15s23 | 18n36 | 18n43 | 19s11 | 16s37 | 5n52 |

Julian Day Number = 2131964.5, Delta T = 16m26s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'29, Lahiri = 11°39'30 Julian Calendar 1 Jan. 1125 == Greg. Calendar 8 Jan. 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## FEBRUARY 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ⚷ | ☊ | ⚸ | ⚵ | ⚶ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 9 29 | 18♒52'32 | 1♉30 | 6♓21 | 10°R36 | 27♉31 | 20°R 5 | 3°R57 | 3°R 1 | 2°R54 | 4♉ 4 | 7♌ 5 | 6♌33 | 3♒39 | 17♉14 | | S 1 |
| M 2 | 9 13 26 | 19°52'59 | 13°20 | 7°40 | 10♓19 | 28°18 | 19♋59 | 3♍53 | 2♍59 | 2♎53 | 4° 4 | 7° 6 | 6°30 | 3°45 | 17°19 | | M 2 |
| T 3 | 9 17 22 | 20°53'24 | 25° 7 | 8°53 | 9°59 | 29° 5 | 19°53 | 3°48 | 2°56 | 2°51 | 4° 5 | 7° 7 | 6°26 | 3°52 | 17°24 | | T 3 |
| W 4 | 9 21 19 | 21°53'48 | 6♒54 | 9°59 | 9°37 | 29°51 | 19°47 | 3°44 | 2°54 | 2°50 | 4° 5 | 7°R 7 | 6°23 | 3°58 | 17°28 | | W 4 |
| T 5 | 9 25 15 | 22°54'09 | 18°43 | 10°57 | 9°12 | 0♒38 | 19°41 | 3°39 | 2°51 | 2°49 | 4° 6 | 7° 7 | 6°20 | 4° 5 | 17°33 | | T 5 |
| F 6 | 9 29 12 | 23°54'29 | 0♓36 | 11°48 | 8°45 | 1°25 | 19°36 | 3°34 | 2°49 | 2°48 | 4° 6 | 7° 6 | 6°17 | 4°12 | 17°38 | | F 6 |
| S 7 | 9 33 8 | 24°54'47 | 12°35 | 12°31 | 8°17 | 2°12 | 19°30 | 3°30 | 2°46 | 2°47 | 4° 7 | 7° 4 | 6°14 | 4°18 | 17°42 | | S 7 |
| S 8 | 9 37 5 | 25°55'04 | 24°42 | 13° 5 | 7°46 | 2°59 | 19°25 | 3°25 | 2°43 | 2°46 | 4° 8 | 7° 1 | 6°11 | 4°25 | 17°47 | | S 8 |
| M 9 | 9 41 2 | 26°55'18 | 7♈ 0 | 13°29 | 7°14 | 3°46 | 19°20 | 3°20 | 2°41 | 2°44 | 4° 8 | 6°57 | 6° 7 | 4°32 | 17°52 | | M 9 |
| T 10 | 9 44 58 | 27°55'30 | 19°29 | 13°44 | 6°41 | 4°32 | 19°15 | 3°16 | 2°38 | 2°43 | 4° 9 | 6°54 | 6° 4 | 4°38 | 17°56 | | T 10 |
| W11 | 9 48 55 | 28°55'40 | 2♉12 | 13°R50 | 6° 6 | 5°19 | 19°10 | 3°11 | 2°36 | 2°42 | 4°10 | 6°52 | 6° 1 | 4°45 | 18° 1 | | W11 |
| T 12 | 9 52 51 | 29°55'48 | 15°12 | 13°46 | 5°30 | 6° 6 | 19° 6 | 3° 6 | 2°33 | 2°40 | 4°10 | 6°50 | 5°58 | 4°52 | 18° 5 | | T 12 |
| F 13 | 9 56 48 | 0♓55'54 | 28°31 | 13°33 | 4°53 | 6°53 | 19° 1 | 3° 1 | 2°30 | 2°39 | 4°11 | 6°D49 | 5°55 | 4°58 | 18° 9 | | F 13 |
| S 14 | 10 0 44 | 1°55'58 | 12♊10 | 13°11 | 4°15 | 7°40 | 18°57 | 2°56 | 2°28 | 2°38 | 4°12 | 6°49 | 5°52 | 5° 5 | 18°14 | | S 14 |
| S 15 | 10 4 41 | 2°56'00 | 26°11 | 12°41 | 3°38 | 8°27 | 18°53 | 2°52 | 2°25 | 2°36 | 4°12 | 6°50 | 5°48 | 5°12 | 18°18 | | S 15 |
| M16 | 10 8 37 | 3°55'59 | 10♋32 | 12° 3 | 3° 0 | 9°14 | 18°49 | 2°47 | 2°22 | 2°35 | 4°13 | 6°52 | 5°45 | 5°18 | 18°22 | | M16 |
| T 17 | 10 12 34 | 4°55'57 | 25°13 | 11°19 | 2°22 | 10° 1 | 18°45 | 2°42 | 2°20 | 2°34 | 4°14 | 6°53 | 5°42 | 5°25 | 18°27 | | T 17 |
| W18 | 10 16 30 | 5°55'52 | 10♌ 9 | 10°30 | 1°45 | 10°48 | 18°42 | 2°37 | 2°17 | 2°32 | 4°15 | 6°R53 | 5°39 | 5°31 | 18°31 | | W18 |
| T 19 | 10 20 27 | 6°55'44 | 25°12 | 9°36 | 1° 9 | 11°35 | 18°38 | 2°33 | 2°15 | 2°31 | 4°15 | 6°52 | 5°36 | 5°38 | 18°35 | | T 19 |
| F 20 | 10 24 24 | 7°55'35 | 10♍13 | 8°39 | 0°33 | 12°21 | 18°35 | 2°28 | 2°12 | 2°29 | 4°16 | 6°50 | 5°32 | 5°45 | 18°39 | | F 20 |
| S 21 | 10 28 20 | 8°55'24 | 25° 5 | 7°41 | 29♒59 | 13° 8 | 18°32 | 2°23 | 2° 9 | 2°28 | 4°17 | 6°46 | 5°29 | 5°51 | 18°43 | | S 21 |
| S 22 | 10 32 17 | 9°55'11 | 9♎39 | 6°43 | 29°26 | 13°55 | 18°29 | 2°18 | 2° 7 | 2°26 | 4°18 | 6°41 | 5°26 | 5°58 | 18°47 | | S 22 |
| M23 | 10 36 13 | 10°54'56 | 23°49 | 5°45 | 28°54 | 14°42 | 18°27 | 2°14 | 2° 4 | 2°25 | 4°19 | 6°36 | 5°23 | 6° 5 | 18°51 | | M23 |
| T 24 | 10 40 10 | 11°54'39 | 7♏31 | 4°50 | 28°25 | 15°29 | 18°24 | 2° 9 | 2° 2 | 2°23 | 4°20 | 6°31 | 5°20 | 6°11 | 18°55 | | T 24 |
| W25 | 10 44 6 | 12°54'20 | 20°46 | 3°58 | 27°57 | 16°16 | 18°22 | 2° 4 | 1°59 | 2°22 | 4°20 | 6°27 | 5°17 | 6°18 | 18°59 | | W25 |
| T 26 | 10 48 3 | 13°54'00 | 3♐34 | 3°10 | 27°31 | 17° 3 | 18°20 | 2° 0 | 1°57 | 2°20 | 4°21 | 6°25 | 5°13 | 6°25 | 19° 2 | | T 26 |
| F 27 | 10 51 59 | 14°53'38 | 16° 1 | 2°27 | 27° 8 | 17°50 | 18°18 | 1°55 | 1°54 | 2°19 | 4°22 | 6°D24 | 5°10 | 6°31 | 19° 6 | | F 27 |
| S 28 | 10 55 56 | 15♓53'14 | 28♐10 | 1♓49 | 26♒47 | 18♒37 | 18♋16 | 1♍51 | 1♍52 | 2♎17 | 4♉23 | 6♌25 | 5♌ 7 | 6♒38 | 19♉10 | | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚷ | ⚸ | ⚵ | ⚶ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 15s14 | 20s27 | 3n 5 | 8s48 | 0n27 | 1s 8 | 7n 1 | 21s43 | 0s59 | 22n41 | 0n39 | 12n 0 | 2n 2 | 11n12 | 0n48 | 0n20 | 1n38 | 1s34 | 15s22 | 18n35 | 18n43 | 19s11 | 16s37 | 5n52 | |
| M 2 | 14 55 | 20 45 | 2 8 | 8 5 | 0 42 | 1 4 | 7 12 | 21 34 | 1 0 | 22 42 | 0 39 | 12 1 | 2 2 | 11 13 | 0 48 | 0 21 | 1 38 | 1 33 | 15 22 | 18 35 | 18 44 | 19 10 | 16 36 | 5 53 | |
| T 3 | 14 36 | 20 7 | 1 6 | 7 25 | 0 56 | 1 1 | 7 23 | 21 25 | 1 0 | 22 43 | 0 39 | 12 3 | 2 2 | 11 14 | 0 48 | 0 21 | 1 38 | 1 33 | 15 22 | 18 35 | 18 45 | 19 9 | 16 35 | 5 53 | |
| W 4 | 14 16 | 18 37 | 0 1 | 6 46 | 1 11 | 1 0 | 7 34 | 21 16 | 1 1 | 22 44 | 0 39 | 12 5 | 2 2 | 11 15 | 0 48 | 0 22 | 1 38 | 1 32 | 15 21 | 18 35 | 18 46 | 19 8 | 16 34 | 5 53 | |
| T 5 | 13 57 | 16 18 | 1s 4 | 6 9 | 1 27 | 0 59 | 7 44 | 21 6 | 1 1 | 22 45 | 0 39 | 12 7 | 2 2 | 11 15 | 0 48 | 0 22 | 1 38 | 1 32 | 15 21 | 18 35 | 18 47 | 19 8 | 16 33 | 5 53 | |
| F 6 | 13 37 | 13 17 | 2 6 | 5 36 | 1 42 | 1 0 | 7 53 | 20 56 | 1 1 | 22 46 | 0 39 | 12 9 | 2 2 | 11 16 | 0 48 | 0 23 | 1 38 | 1 31 | 15 21 | 18 35 | 18 47 | 19 7 | 16 32 | 5 54 | |
| S 7 | 13 17 | 9 42 | 3 4 | 5 6 | 1 57 | 1 3 | 8 2 | 20 46 | 1 2 | 22 47 | 0 40 | 12 10 | 2 3 | 11 17 | 0 48 | 0 23 | 1 38 | 1 31 | 15 21 | 18 36 | 18 48 | 19 6 | 16 31 | 5 54 | |
| S 8 | 12 56 | 5 41 | 3 54 | 4 39 | 2 12 | 1 6 | 8 10 | 20 36 | 1 2 | 22 47 | 0 40 | 12 12 | 2 3 | 11 18 | 0 48 | 0 24 | 1 38 | 1 30 | 15 20 | 18 36 | 18 49 | 19 6 | 16 30 | 5 54 | |
| M 9 | 12 36 | 1 24 | 4 33 | 4 17 | 2 26 | 1 11 | 8 18 | 20 25 | 1 3 | 22 48 | 0 40 | 12 14 | 2 3 | 11 19 | 0 49 | 0 24 | 1 38 | 1 30 | 15 20 | 18 37 | 18 50 | 19 5 | 16 30 | 5 55 | |
| T 10 | 12 15 | 3n 1 | 5 1 | 3 58 | 2 40 | 1 17 | 8 24 | 20 14 | 1 3 | 22 49 | 0 40 | 12 16 | 2 3 | 11 20 | 0 49 | 0 25 | 1 38 | 1 29 | 15 20 | 18 38 | 18 51 | 19 4 | 16 29 | 5 55 | |
| W11 | 11 54 | 7 23 | 5 14 | 3 44 | 2 53 | 1 25 | 8 30 | 20 3 | 1 3 | 22 50 | 0 40 | 12 18 | 2 3 | 11 21 | 0 49 | 0 26 | 1 38 | 1 29 | 15 19 | 18 39 | 18 51 | 19 3 | 16 28 | 5 55 | |
| T 12 | 11 33 | 11 30 | 5 12 | 3 35 | 3 5 | 1 33 | 8 35 | 19 52 | 1 4 | 22 50 | 0 40 | 12 20 | 2 3 | 11 22 | 0 49 | 0 26 | 1 38 | 1 28 | 15 19 | 18 39 | 18 52 | 19 3 | 16 27 | 5 56 | |
| F 13 | 11 12 | 15 9 | 4 53 | 3 30 | 3 15 | 1 43 | 8 39 | 19 40 | 1 4 | 22 51 | 0 40 | 12 21 | 2 3 | 11 23 | 0 49 | 0 27 | 1 38 | 1 28 | 15 19 | 18 39 | 18 53 | 19 2 | 16 26 | 5 56 | |
| S 14 | 10 50 | 18 6 | 4 17 | 3 30 | 3 24 | 1 53 | 8 42 | 19 28 | 1 4 | 22 52 | 0 40 | 12 23 | 2 3 | 11 24 | 0 49 | 0 27 | 1 38 | 1 27 | 15 18 | 18 39 | 18 54 | 19 1 | 16 25 | 5 56 | |
| S 15 | 10 29 | 20 4 | 3 26 | 3 34 | 3 32 | 2 5 | 8 44 | 19 17 | 1 5 | 22 52 | 0 40 | 12 25 | 2 3 | 11 25 | 0 49 | 0 28 | 1 39 | 1 27 | 15 18 | 18 39 | 18 54 | 19 0 | 16 24 | 5 57 | |
| M16 | 10 7 | 20 48 | 2 20 | 3 43 | 3 38 | 2 17 | 8 45 | 19 4 | 1 5 | 22 53 | 0 40 | 12 27 | 2 3 | 11 26 | 0 49 | 0 28 | 1 39 | 1 26 | 15 18 | 18 39 | 18 55 | 19 0 | 16 23 | 5 57 | |
| T 17 | 9 45 | 20 9 | 1 4 | 3 56 | 3 41 | 2 30 | 8 45 | 18 52 | 1 5 | 22 53 | 0 40 | 12 29 | 2 3 | 11 27 | 0 49 | 0 29 | 1 39 | 1 26 | 15 17 | 18 38 | 18 56 | 18 59 | 16 22 | 5 57 | |
| W18 | 9 23 | 18 4 | 0n18 | 4 13 | 3 43 | 2 44 | 8 44 | 18 40 | 1 6 | 22 54 | 0 40 | 12 30 | 2 3 | 11 28 | 0 49 | 0 30 | 1 39 | 1 25 | 15 17 | 18 38 | 18 57 | 18 58 | 16 22 | 5 58 | |
| T 19 | 9 1 | 14 44 | 1 39 | 4 34 | 3 43 | 2 59 | 8 42 | 18 27 | 1 6 | 22 54 | 0 40 | 12 32 | 2 4 | 11 29 | 0 49 | 0 30 | 1 39 | 1 25 | 15 17 | 18 38 | 18 58 | 18 57 | 16 21 | 5 58 | |
| F 20 | 8 38 | 10 26 | 2 53 | 4 57 | 3 41 | 3 13 | 8 39 | 18 14 | 1 6 | 22 55 | 0 40 | 12 34 | 2 4 | 11 30 | 0 49 | 0 31 | 1 39 | 1 24 | 15 17 | 18 39 | 18 58 | 18 56 | 16 20 | 5 58 | |
| S 21 | 8 16 | 5 32 | 3 54 | 5 23 | 3 37 | 3 29 | 8 36 | 18 1 | 1 7 | 22 55 | 0 40 | 12 36 | 2 4 | 11 31 | 0 49 | 0 31 | 1 39 | 1 24 | 15 16 | 18 40 | 18 59 | 18 56 | 16 19 | 5 59 | |
| S 22 | 7 53 | 0 26 | 4 39 | 5 50 | 3 30 | 3 44 | 8 31 | 17 48 | 1 7 | 22 56 | 0 40 | 12 37 | 2 4 | 11 32 | 0 49 | 0 32 | 1 39 | 1 23 | 15 16 | 18 41 | 19 0 | 18 55 | 16 18 | 5 59 | |
| M23 | 7 30 | 4s34 | 5 5 | 6 18 | 3 22 | 4 0 | 8 26 | 17 34 | 1 7 | 22 56 | 0 40 | 12 39 | 2 4 | 11 32 | 0 49 | 0 33 | 1 39 | 1 23 | 15 16 | 18 43 | 19 1 | 18 54 | 16 17 | 5 59 | |
| T 24 | 7 8 | 9 10 | 5 12 | 6 47 | 3 13 | 4 16 | 8 19 | 17 20 | 1 7 | 22 56 | 0 40 | 12 41 | 2 4 | 11 33 | 0 49 | 0 33 | 1 39 | 1 22 | 15 15 | 18 44 | 19 2 | 18 53 | 16 16 | 6 0 | |
| W25 | 6 45 | 13 10 | 5 3 | 7 16 | 3 2 | 4 32 | 8 12 | 17 7 | 1 8 | 22 57 | 0 40 | 12 43 | 2 4 | 11 34 | 0 49 | 0 34 | 1 39 | 1 22 | 15 15 | 18 45 | 19 2 | 18 52 | 16 15 | 6 0 | |
| T 26 | 6 22 | 16 25 | 4 38 | 7 45 | 2 50 | 4 48 | 8 5 | 16 53 | 1 8 | 22 57 | 0 40 | 12 44 | 2 4 | 11 35 | 0 48 | 0 35 | 1 39 | 1 21 | 15 15 | 18 45 | 19 3 | 18 52 | 16 14 | 6 1 | |
| F 27 | 5 59 | 18 49 | 4 1 | 8 13 | 2 37 | 5 3 | 7 56 | 16 38 | 1 8 | 22 57 | 0 40 | 12 46 | 2 4 | 11 36 | 0 48 | 0 35 | 1 39 | 1 20 | 15 15 | 18 46 | 19 4 | 18 51 | 16 14 | 6 1 | |
| S 28 | 5s35 | 20s19 | 3n14 | 8s39 | 2n23 | 5s19 | 7n48 | 16s24 | 1s 8 | 22n57 | 0n40 | 12n48 | 2n 4 | 11n37 | 0n48 | 0n36 | 1n39 | 1s20 | 15s14 | 18n45 | 19n 5 | 18s50 | 16s13 | 6n 1 | |

Julian Day Number = 2131995.5, Delta T = 16m26s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'34, Lahiri = 11°39'34 Julian Calendar 1 Feb. 1125 == Greg. Calendar 8 Feb. 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## MARCH 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 59 53 | 16♓52'48 | 10♉ 6 | 1°R17 | 26°R28 | 19♒24 | 18°R15 | 1°R46 | 1°R49 | 2°R16 | 4♉24 | 6♌27 | 5♌ 4 | 6♒45 | 19♉13 | S 1 |
| M 2 | 11 3 49 | 17°52'21 | 21°54 | 0♓51 | 26♒11 | 20°11 | 18♋14 | 1♍42 | 1♍47 | 2♎14 | 4°25 | 6°28 | 5° 1 | 6°51 | 19°17 | M 2 |
| T 3 | 11 7 46 | 18°51'51 | 3♒40 | 0°31 | 25°57 | 20°58 | 18°13 | 1°37 | 1°44 | 2°12 | 4°26 | 6°R29 | 4°57 | 6°58 | 19°20 | T 3 |
| W 4 | 11 11 42 | 19°51'20 | 15°28 | 0°17 | 25°46 | 21°45 | 18°12 | 1°33 | 1°42 | 2°11 | 4°27 | 6°29 | 4°54 | 7° 5 | 19°24 | W 4 |
| T 5 | 11 15 39 | 20°50'47 | 27°20 | 0° 9 | 25°37 | 22°31 | 18°11 | 1°28 | 1°39 | 2° 9 | 4°28 | 6°26 | 4°51 | 7°11 | 19°27 | T 5 |
| F 6 | 11 19 35 | 21°50'12 | 9♓21 | 0°D 7 | 25°30 | 23°18 | 18°11 | 1°24 | 1°37 | 2° 8 | 4°29 | 6°22 | 4°48 | 7°18 | 19°30 | F 6 |
| S 7 | 11 23 32 | 22°49'34 | 21°32 | 0°11 | 25°26 | 24° 5 | 18°10 | 1°20 | 1°34 | 2° 6 | 4°30 | 6°15 | 4°45 | 7°24 | 19°33 | S 7 |
| S 8 | 11 27 28 | 23°48'55 | 3♈54 | 0°20 | 25°D24 | 24°52 | 18°D10 | 1°15 | 1°32 | 2° 4 | 4°31 | 6° 7 | 4°42 | 7°31 | 19°37 | S 8 |
| M 9 | 11 31 25 | 24°48'14 | 16°28 | 0°35 | 25°25 | 25°39 | 18°10 | 1°11 | 1°30 | 2° 3 | 4°32 | 5°58 | 4°38 | 7°38 | 19°40 | M 9 |
| T 10 | 11 35 22 | 25°47'30 | 29°14 | 0°54 | 25°28 | 26°26 | 18°10 | 1° 7 | 1°27 | 2° 1 | 4°33 | 5°49 | 4°35 | 7°44 | 19°43 | T 10 |
| W11 | 11 39 18 | 26°46'44 | 12♉13 | 1°19 | 25°33 | 27°13 | 18°11 | 1° 3 | 1°25 | 1°59 | 4°35 | 5°41 | 4°32 | 7°51 | 19°46 | W11 |
| T 12 | 11 43 15 | 27°45'56 | 25°25 | 1°48 | 25°41 | 28° 0 | 18°11 | 0°59 | 1°23 | 1°58 | 4°36 | 5°35 | 4°29 | 7°58 | 19°49 | T 12 |
| F 13 | 11 47 11 | 28°45'05 | 8♊50 | 2°21 | 25°51 | 28°46 | 18°12 | 0°55 | 1°20 | 1°56 | 4°37 | 5°31 | 4°26 | 8° 4 | 19°51 | F 13 |
| S 14 | 11 51 8 | 29°44'13 | 22°28 | 2°58 | 26° 2 | 29°33 | 18°13 | 0°51 | 1°18 | 1°55 | 4°38 | 5°29 | 4°23 | 8°11 | 19°54 | S 14 |
| S 15 | 11 55 4 | 0♈43'18 | 6♋21 | 3°40 | 26°16 | 0♓20 | 18°15 | 0°47 | 1°16 | 1°53 | 4°39 | 5°D29 | 4°19 | 8°18 | 19°57 | S 15 |
| M16 | 11 59 1 | 1°42'20 | 20°28 | 4°24 | 26°32 | 1° 7 | 18°16 | 0°44 | 1°14 | 1°51 | 4°40 | 5°30 | 4°16 | 8°24 | 20° 0 | M16 |
| T 17 | 12 2 57 | 2°41'20 | 4♌48 | 5°13 | 26°50 | 1°54 | 18°18 | 0°40 | 1°12 | 1°50 | 4°41 | 5°R30 | 4°13 | 8°31 | 20° 2 | T 17 |
| W18 | 12 6 54 | 3°40'18 | 19°20 | 6° 5 | 27°10 | 2°40 | 18°19 | 0°36 | 1°10 | 1°48 | 4°43 | 5°29 | 4°10 | 8°38 | 20° 5 | W18 |
| T 19 | 12 10 50 | 4°39'13 | 4♍ 0 | 6°59 | 27°32 | 3°27 | 18°21 | 0°33 | 1° 8 | 1°46 | 4°44 | 5°26 | 4° 7 | 8°44 | 20° 7 | T 19 |
| F 20 | 12 14 47 | 5°38'07 | 18°41 | 7°57 | 27°55 | 4°14 | 18°23 | 0°29 | 1° 6 | 1°45 | 4°45 | 5°21 | 4° 3 | 8°51 | 20°10 | F 20 |
| S 21 | 12 18 44 | 6°36'58 | 3♎17 | 8°58 | 28°20 | 5° 0 | 18°26 | 0°26 | 1° 4 | 1°43 | 4°46 | 5°13 | 4° 0 | 8°57 | 20°12 | S 21 |
| S 22 | 12 22 40 | 7°35'46 | 17°41 | 10° 1 | 28°47 | 5°47 | 18°28 | 0°23 | 1° 2 | 1°41 | 4°47 | 5° 4 | 3°57 | 9° 4 | 20°14 | S 22 |
| M23 | 12 26 37 | 8°34'33 | 1♏46 | 11° 7 | 29°15 | 6°34 | 18°31 | 0°19 | 1° 0 | 1°40 | 4°49 | 4°53 | 3°54 | 9°11 | 20°16 | M23 |
| T 24 | 12 30 33 | 9°33'18 | 15°28 | 12°15 | 29°45 | 7°20 | 18°34 | 0°16 | 0°58 | 1°38 | 4°50 | 4°44 | 3°51 | 9°17 | 20°18 | T 24 |
| W25 | 12 34 30 | 10°32'02 | 28°45 | 13°26 | 0♓17 | 8° 7 | 18°37 | 0°13 | 0°56 | 1°36 | 4°51 | 4°35 | 3°48 | 9°24 | 20°20 | W25 |
| T 26 | 12 38 26 | 11°30'43 | 11♐36 | 14°39 | 0°50 | 8°54 | 18°40 | 0°10 | 0°54 | 1°35 | 4°52 | 4°29 | 3°44 | 9°31 | 20°22 | T 26 |
| F 27 | 12 42 23 | 12°29'23 | 24° 6 | 15°54 | 1°24 | 9°40 | 18°43 | 0° 7 | 0°53 | 1°33 | 4°54 | 4°25 | 3°41 | 9°37 | 20°24 | F 27 |
| S 28 | 12 46 19 | 13°28'01 | 6♑17 | 17°11 | 1°59 | 10°27 | 18°47 | 0° 4 | 0°51 | 1°32 | 4°55 | 4°24 | 3°38 | 9°44 | 20°26 | S 28 |
| S 29 | 12 50 16 | 14°26'37 | 18°14 | 18°31 | 2°36 | 11°13 | 18°51 | 0° 2 | 0°49 | 1°30 | 4°56 | 4°D23 | 3°35 | 9°51 | 20°28 | S 29 |
| M30 | 12 54 13 | 15°25'12 | 0♒ 4 | 19°52 | 3°14 | 12° 0 | 18°55 | 29♌59 | 0°48 | 1°28 | 4°57 | 4°R24 | 3°32 | 9°57 | 20°29 | M30 |
| T 31 | 12 58 9 | 16♈23'45 | 11♒51 | 21♓16 | 3♓53 | 12♓46 | 18♋59 | 29♌57 | 0♍46 | 1♎27 | 4♉59 | 4♌24 | 3♌29 | 10♒ 4 | 20♉31 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s12 | 20s51 | 2n19 | 9s 4 | 2n 8 | 5s34 | 7n38 | 16s10 | 1s 9 | 22n58 | 0n40 | 12n49 | 2n 4 | 11n38 | 0n48 | 0n37 | 1n39 | 1s19 | 15s14 | 18n45 | 19n 5 | 18s49 | 16s12 | 6n 2 |
| M 2 | 4 49 | 20 28 | 1 19 | 9 27 | 1 54 | 5 49 | 7 28 | 15 55 | 1 9 | 22 58 | 0 40 | 12 51 | 2 4 | 11 39 | 0 48 | 0 37 | 1 39 | 1 19 | 15 14 | 18 45 | 19 6 | 18 48 | 16 11 | 6 2 |
| T 3 | 4 26 | 19 10 | 0 15 | 9 48 | 1 39 | 6 3 | 7 18 | 15 40 | 1 9 | 22 58 | 0 40 | 12 52 | 2 4 | 11 40 | 0 48 | 0 38 | 1 39 | 1 18 | 15 14 | 18 44 | 19 7 | 18 48 | 16 10 | 6 3 |
| W 4 | 4 2 | 17 3 | 0s49 | 10 7 | 1 24 | 6 17 | 7 8 | 15 25 | 1 9 | 22 58 | 0 40 | 12 54 | 2 4 | 11 41 | 0 48 | 0 38 | 1 39 | 1 18 | 15 13 | 18 44 | 19 8 | 18 47 | 16 9 | 6 3 |
| T 5 | 3 39 | 14 11 | 1 51 | 10 24 | 1 9 | 6 30 | 6 57 | 15 10 | 1 10 | 22 58 | 0 40 | 12 56 | 2 4 | 11 41 | 0 48 | 0 39 | 1 39 | 1 17 | 15 13 | 18 45 | 19 8 | 18 46 | 16 8 | 6 3 |
| F 6 | 3 15 | 10 42 | 2 48 | 10 39 | 0 54 | 6 42 | 6 46 | 14 55 | 1 10 | 22 58 | 0 40 | 12 57 | 2 4 | 11 42 | 0 48 | 0 40 | 1 39 | 1 17 | 15 13 | 18 46 | 19 9 | 18 45 | 16 7 | 6 4 |
| S 7 | 2 52 | 6 44 | 3 39 | 10 51 | 0 39 | 6 54 | 6 34 | 14 39 | 1 10 | 22 58 | 0 40 | 12 59 | 2 4 | 11 43 | 0 48 | 0 40 | 1 39 | 1 16 | 15 13 | 18 48 | 19 10 | 18 44 | 16 6 | 6 4 |
| S 8 | 2 28 | 2 26 | 4 20 | 11 1 | 0 25 | 7 6 | 6 23 | 14 24 | 1 10 | 22 58 | 0 40 | 13 0 | 2 4 | 11 44 | 0 48 | 0 41 | 1 39 | 1 15 | 15 12 | 18 50 | 19 11 | 18 43 | 16 6 | 6 5 |
| M 9 | 2 4 | 2n 3 | 4 50 | 11 9 | 0 11 | 7 17 | 6 11 | 14 8 | 1 10 | 22 58 | 0 40 | 13 2 | 2 4 | 11 45 | 0 48 | 0 42 | 1 39 | 1 15 | 15 12 | 18 52 | 19 12 | 18 43 | 16 5 | 6 5 |
| T 10 | 1 41 | 6 30 | 5 5 | 11 14 | 0s 2 | 7 27 | 6 0 | 13 52 | 1 11 | 22 58 | 0 40 | 13 3 | 2 4 | 11 46 | 0 48 | 0 42 | 1 39 | 1 14 | 15 12 | 18 54 | 19 12 | 18 42 | 16 4 | 6 6 |
| W11 | 1 17 | 10 44 | 5 5 | 11 17 | 0 15 | 7 36 | 5 48 | 13 36 | 1 11 | 22 58 | 0 40 | 13 5 | 2 4 | 11 46 | 0 48 | 0 43 | 1 39 | 1 14 | 15 12 | 18 56 | 19 13 | 18 41 | 16 3 | 6 6 |
| T 12 | 0 54 | 14 32 | 4 49 | 11 19 | 0 27 | 7 45 | 5 36 | 13 20 | 1 11 | 22 58 | 0 40 | 13 6 | 2 4 | 11 47 | 0 48 | 0 44 | 1 39 | 1 13 | 15 12 | 18 58 | 19 14 | 18 40 | 16 2 | 6 7 |
| F 13 | 0 30 | 17 39 | 4 17 | 11 18 | 0 39 | 7 52 | 5 24 | 13 4 | 1 11 | 22 58 | 0 40 | 13 7 | 2 4 | 11 48 | 0 48 | 0 44 | 1 39 | 1 13 | 15 11 | 18 59 | 19 15 | 18 39 | 16 1 | 6 7 |
| S 14 | 0 6 | 19 50 | 3 30 | 11 15 | 0 50 | 8 0 | 5 12 | 12 48 | 1 11 | 22 58 | 0 40 | 13 9 | 2 4 | 11 49 | 0 48 | 0 45 | 1 39 | 1 12 | 15 11 | 18 59 | 19 15 | 18 38 | 16 0 | 6 7 |
| S 15 | 0n17 | 20 54 | 2 30 | 11 10 | 1 1 | 8 6 | 5 1 | 12 31 | 1 11 | 22 58 | 0 40 | 13 10 | 2 4 | 11 50 | 0 48 | 0 46 | 1 39 | 1 12 | 15 11 | 18 59 | 19 16 | 18 37 | 16 0 | 6 8 |
| M16 | 0 41 | 20 40 | 1 20 | 11 3 | 1 11 | 8 12 | 4 49 | 12 15 | 1 12 | 22 57 | 0 40 | 13 11 | 2 3 | 11 50 | 0 48 | 0 46 | 1 39 | 1 11 | 15 11 | 18 59 | 19 17 | 18 36 | 15 59 | 6 8 |
| T 17 | 1 4 | 19 6 | 0 4 | 10 54 | 1 21 | 8 17 | 4 37 | 11 58 | 1 12 | 22 57 | 0 40 | 13 13 | 2 3 | 11 51 | 0 48 | 0 47 | 1 39 | 1 11 | 15 11 | 18 59 | 19 18 | 18 36 | 15 58 | 6 9 |
| W18 | 1 28 | 16 15 | 1n14 | 10 43 | 1 30 | 8 21 | 4 26 | 11 41 | 1 12 | 22 57 | 0 40 | 13 14 | 2 3 | 11 52 | 0 48 | 0 48 | 1 39 | 1 10 | 15 10 | 18 59 | 19 18 | 18 35 | 15 57 | 6 9 |
| T 19 | 1 51 | 12 22 | 2 26 | 10 30 | 1 38 | 8 24 | 4 14 | 11 24 | 1 12 | 22 57 | 0 40 | 13 15 | 2 3 | 11 52 | 0 48 | 0 48 | 1 39 | 1 9 | 15 10 | 19 0 | 19 19 | 18 34 | 15 56 | 6 10 |
| F 20 | 2 15 | 7 42 | 3 30 | 10 16 | 1 46 | 8 27 | 4 3 | 11 7 | 1 12 | 22 56 | 0 40 | 13 16 | 2 3 | 11 53 | 0 48 | 0 49 | 1 39 | 1 9 | 15 10 | 19 1 | 19 20 | 18 33 | 15 55 | 6 10 |
| S 21 | 2 38 | 2 38 | 4 19 | 10 0 | 1 54 | 8 29 | 3 52 | 10 50 | 1 12 | 22 56 | 0 40 | 13 17 | 2 3 | 11 54 | 0 48 | 0 50 | 1 39 | 1 8 | 15 10 | 19 3 | 19 21 | 18 32 | 15 55 | 6 11 |
| S 22 | 3 2 | 2s30 | 4 50 | 9 42 | 2 0 | 8 30 | 3 41 | 10 33 | 1 12 | 22 56 | 0 40 | 13 18 | 2 3 | 11 54 | 0 48 | 0 50 | 1 39 | 1 8 | 15 10 | 19 5 | 19 21 | 18 31 | 15 54 | 6 11 |
| M23 | 3 25 | 7 24 | 5 3 | 9 23 | 2 7 | 8 30 | 3 30 | 10 16 | 1 12 | 22 55 | 0 40 | 13 20 | 2 3 | 11 55 | 0 48 | 0 51 | 1 39 | 1 7 | 15 10 | 19 8 | 19 22 | 18 30 | 15 53 | 6 12 |
| T 24 | 3 48 | 11 47 | 4 59 | 9 2 | 2 12 | 8 30 | 3 19 | 9 58 | 1 12 | 22 55 | 0 40 | 13 21 | 2 3 | 11 56 | 0 48 | 0 52 | 1 39 | 1 7 | 15 9 | 19 10 | 19 23 | 18 29 | 15 52 | 6 12 |
| W25 | 4 11 | 15 27 | 4 38 | 8 39 | 2 17 | 8 29 | 3 9 | 9 41 | 1 13 | 22 54 | 0 40 | 13 22 | 2 3 | 11 56 | 0 48 | 0 52 | 1 39 | 1 6 | 15 9 | 19 12 | 19 24 | 18 28 | 15 51 | 6 13 |
| T 26 | 4 34 | 18 16 | 4 3 | 8 15 | 2 22 | 8 27 | 2 58 | 9 24 | 1 13 | 22 54 | 0 40 | 13 23 | 2 3 | 11 57 | 0 48 | 0 53 | 1 39 | 1 6 | 15 9 | 19 14 | 19 24 | 18 27 | 15 51 | 6 13 |
| F 27 | 4 57 | 20 8 | 3 18 | 7 49 | 2 26 | 8 25 | 2 48 | 9 6 | 1 13 | 22 53 | 0 40 | 13 24 | 2 3 | 11 58 | 0 48 | 0 54 | 1 39 | 1 5 | 15 9 | 19 15 | 19 25 | 18 26 | 15 50 | 6 14 |
| S 28 | 5 20 | 21 0 | 2 24 | 7 22 | 2 29 | 8 22 | 2 38 | 8 48 | 1 13 | 22 53 | 0 40 | 13 25 | 2 3 | 11 58 | 0 48 | 0 54 | 1 39 | 1 5 | 15 9 | 19 15 | 19 26 | 18 25 | 15 49 | 6 14 |
| S 29 | 5 43 | 20 54 | 1 25 | 6 54 | 2 32 | 8 18 | 2 28 | 8 31 | 1 13 | 22 52 | 0 40 | 13 25 | 2 2 | 11 59 | 0 48 | 0 55 | 1 39 | 1 4 | 15 9 | 19 15 | 19 27 | 18 24 | 15 48 | 6 15 |
| M30 | 6 6 | 19 51 | 0 23 | 6 24 | 2 34 | 8 13 | 2 18 | 8 13 | 1 13 | 22 52 | 0 40 | 13 26 | 2 2 | 11 59 | 0 48 | 0 56 | 1 39 | 1 3 | 15 9 | 19 15 | 19 27 | 18 24 | 15 48 | 6 15 |
| T 31 | 6n29 | 17s57 | 0s40 | 5s52 | 2s36 | 8s 8 | 2n 8 | 7s55 | 1s13 | 22n51 | 0n40 | 13n27 | 2n 2 | 12n 0 | 0n48 | 0n56 | 1n39 | 1s 3 | 15s 8 | 19n15 | 19n28 | 18s23 | 15s47 | 6n16 |

Julian Day Number = 2132023.5, Delta T = 16m26s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'38, Lahiri = 11°39'38 Julian Calendar 1 March 1125 == Greg. Calendar 8 March 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## APRIL 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 2 6 | 17♈22'16 | 23♒41 | 22♓41 | 4♓33 | 13♓33 | 19♋ 3 | 29°R54 | 0°R44 | 1°R25 | 5♉ 0 | 4°R22 | 3♌25 | 10♒11 | 20♑32 | W 1 |
| T 2 | 13 6 2 | 18°20'46 | 5♓38 | 24° 8 | 5°15 | 14°19 | 19° 7 | 29♌52 | 0♍43 | 1♎24 | 5° 1 | 4♌18 | 3°22 | 10°17 | 20°34 | T 2 |
| F 3 | 13 9 59 | 19°19'13 | 17°46 | 25°37 | 5°57 | 15° 6 | 19°12 | 29°49 | 0°41 | 1°22 | 5° 3 | 4°11 | 3°19 | 10°24 | 20°35 | F 3 |
| S 4 | 13 13 55 | 20°17'39 | 0♈ 8 | 27° 8 | 6°40 | 15°52 | 19°17 | 29°47 | 0°40 | 1°21 | 5° 4 | 4° 2 | 3°16 | 10°30 | 20°37 | S 4 |
| S 5 | 13 17 52 | 21°16'03 | 12°46 | 28°41 | 7°24 | 16°38 | 19°21 | 29°45 | 0°39 | 1°19 | 5° 5 | 3°51 | 3°13 | 10°37 | 20°38 | S 5 |
| M 6 | 13 21 48 | 22°14'26 | 25°39 | 0♈15 | 8° 9 | 17°25 | 19°27 | 29°43 | 0°37 | 1°17 | 5° 7 | 3°38 | 3° 9 | 10°44 | 20°39 | M 6 |
| T 7 | 13 25 45 | 23°12'46 | 8♉47 | 1°51 | 8°55 | 18°11 | 19°32 | 29°41 | 0°36 | 1°16 | 5° 8 | 3°25 | 3° 6 | 10°50 | 20°40 | T 7 |
| W 8 | 13 29 42 | 24°11'05 | 22° 8 | 3°29 | 9°42 | 18°57 | 19°37 | 29°39 | 0°35 | 1°14 | 5° 9 | 3°14 | 3° 3 | 10°57 | 20°41 | W 8 |
| T 9 | 13 33 38 | 25° 9'21 | 5♊41 | 5° 9 | 10°30 | 19°44 | 19°43 | 29°38 | 0°34 | 1°13 | 5°11 | 3° 5 | 3° 0 | 11° 4 | 20°42 | T 9 |
| F 10 | 13 37 35 | 26° 7'36 | 19°23 | 6°51 | 11°18 | 20°30 | 19°48 | 29°36 | 0°32 | 1°12 | 5°12 | 2°58 | 2°57 | 11°10 | 20°43 | F 10 |
| S 11 | 13 41 31 | 27° 5'49 | 3♋13 | 8°34 | 12° 7 | 21°16 | 19°54 | 29°35 | 0°31 | 1°10 | 5°13 | 2°54 | 2°54 | 11°17 | 20°44 | S 11 |
| S 12 | 13 45 28 | 28° 3'59 | 17°10 | 10°20 | 12°57 | 22° 2 | 20° 0 | 29°33 | 0°30 | 1° 9 | 5°15 | 2°53 | 2°50 | 11°24 | 20°44 | S 12 |
| M13 | 13 49 24 | 29° 2'08 | 1♌13 | 12° 7 | 13°48 | 22°48 | 20° 6 | 29°32 | 0°29 | 1° 7 | 5°16 | 2°53 | 2°47 | 11°30 | 20°45 | M13 |
| T 14 | 13 53 21 | 0♉ 0'14 | 15°22 | 13°56 | 14°39 | 23°34 | 20°13 | 29°31 | 0°28 | 1° 6 | 5°17 | 2°52 | 2°44 | 11°37 | 20°45 | T 14 |
| W15 | 13 57 17 | 0°58'19 | 29°35 | 15°46 | 15°31 | 24°20 | 20°19 | 29°30 | 0°27 | 1° 4 | 5°19 | 2°51 | 2°41 | 11°44 | 20°46 | W15 |
| T 16 | 14 1 14 | 1°56'21 | 13♍51 | 17°39 | 16°23 | 25° 6 | 20°25 | 29°29 | 0°27 | 1° 3 | 5°20 | 2°47 | 2°38 | 11°50 | 20°46 | T 16 |
| F 17 | 14 5 11 | 2°54'21 | 28° 7 | 19°33 | 17°16 | 25°52 | 20°32 | 29°28 | 0°26 | 1° 2 | 5°21 | 2°40 | 2°34 | 11°57 | 20°47 | F 17 |
| S 18 | 14 9 7 | 3°52'20 | 12♎18 | 21°29 | 18°10 | 26°38 | 20°39 | 29°27 | 0°25 | 1° 0 | 5°23 | 2°31 | 2°31 | 12° 4 | 20°47 | S 18 |
| S 19 | 14 13 4 | 4°50'17 | 26°19 | 23°27 | 19° 4 | 27°24 | 20°46 | 29°26 | 0°24 | 0°59 | 5°24 | 2°20 | 2°28 | 12°10 | 20°47 | S 19 |
| M20 | 14 17 0 | 5°48'12 | 10♏ 6 | 25°26 | 19°58 | 28°10 | 20°53 | 29°26 | 0°24 | 0°58 | 5°25 | 2° 8 | 2°25 | 12°17 | 20°47 | M20 |
| T 21 | 14 20 57 | 6°46'06 | 23°35 | 27°28 | 20°53 | 28°55 | 21° 0 | 29°25 | 0°23 | 0°56 | 5°27 | 1°56 | 2°22 | 12°23 | 20°R47 | T 21 |
| W22 | 14 24 53 | 7°43'58 | 6♐43 | 29°31 | 21°49 | 29°41 | 21° 8 | 29°25 | 0°23 | 0°55 | 5°28 | 1°46 | 2°19 | 12°30 | 20°47 | W22 |
| T 23 | 14 28 50 | 8°41'49 | 19°30 | 1♑35 | 22°45 | 0♈27 | 21°15 | 29°25 | 0°22 | 0°54 | 5°30 | 1°38 | 2°15 | 12°37 | 20°47 | T 23 |
| F 24 | 14 32 46 | 9°39'39 | 1♑58 | 3°41 | 23°42 | 1°12 | 21°23 | 29°24 | 0°22 | 0°53 | 5°31 | 1°32 | 2°12 | 12°43 | 20°47 | F 24 |
| S 25 | 14 36 43 | 10°37'27 | 14° 9 | 5°48 | 24°39 | 1°58 | 21°31 | 29°D24 | 0°21 | 0°52 | 5°32 | 1°29 | 2° 9 | 12°50 | 20°46 | S 25 |
| S 26 | 14 40 40 | 11°35'14 | 26° 7 | 7°57 | 25°36 | 2°44 | 21°38 | 29°24 | 0°21 | 0°50 | 5°34 | 1°28 | 2° 6 | 12°57 | 20°46 | S 26 |
| M27 | 14 44 36 | 12°33'00 | 7♒58 | 10° 6 | 26°34 | 3°29 | 21°47 | 29°24 | 0°21 | 0°49 | 5°35 | 1°28 | 2° 3 | 13° 3 | 20°45 | M27 |
| T 28 | 14 48 33 | 13°30'45 | 19°46 | 12°17 | 27°33 | 4°15 | 21°55 | 29°25 | 0°21 | 0°48 | 5°36 | 1°28 | 2° 0 | 13°10 | 20°45 | T 28 |
| W29 | 14 52 29 | 14°28'28 | 1♓38 | 14°28 | 28°31 | 5° 0 | 22° 3 | 29°25 | 0°20 | 0°47 | 5°38 | 1°27 | 1°56 | 13°17 | 20°44 | W29 |
| T 30 | 14 56 26 | 15♉26'10 | 13♓38 | 16♉39 | 29♓30 | 5♈46 | 22♋11 | 29♌26 | 0♍20 | 0♎46 | 5♉39 | 1♌24 | 1♌53 | 13♒23 | 20♑44 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n51 | 15s16 | 1s41 | 5s19 | 2s37 | 8s 2 | 1n59 | 7s37 | 1s13 | 22n51 | 0n40 | 13n28 | 2n 2 | 12n 0 | 0n48 | 0n57 | 1n39 | 1s 2 | 15s 8 | 19n16 | 19n29 | 18s22 | 15s46 | 6n16 |
| T 2 | 7 13 | 11 56 | 2 38 | 4 45 | 2 38 | 7 56 | 1 50 | 7 19 | 1 13 | 22 50 | 0 40 | 13 29 | 2 2 | 12 1 | 0 48 | 0 57 | 1 39 | 1 2 | 15 8 | 19 16 | 19 30 | 18 21 | 15 46 | 6 17 |
| F 3 | 7 36 | 8 3 | 3 29 | 4 10 | 2 38 | 7 49 | 1 41 | 7 1 | 1 13 | 22 49 | 0 40 | 13 29 | 2 2 | 12 1 | 0 48 | 0 58 | 1 39 | 1 1 | 15 8 | 19 18 | 19 30 | 18 20 | 15 45 | 6 17 |
| S 4 | 7 58 | 3 46 | 4 11 | 3 33 | 2 37 | 7 41 | 1 32 | 6 43 | 1 13 | 22 49 | 0 40 | 13 30 | 2 2 | 12 2 | 0 48 | 0 59 | 1 39 | 1 1 | 15 8 | 19 20 | 19 31 | 18 19 | 15 44 | 6 18 |
| S 5 | 8 20 | 0n45 | 4 41 | 2 55 | 2 36 | 7 33 | 1 23 | 6 25 | 1 13 | 22 48 | 0 39 | 13 31 | 2 2 | 12 2 | 0 48 | 0 59 | 1 39 | 1 0 | 15 8 | 19 23 | 19 32 | 18 18 | 15 43 | 6 18 |
| M 6 | 8 42 | 5 20 | 4 58 | 2 16 | 2 35 | 7 24 | 1 15 | 6 7 | 1 13 | 22 47 | 0 39 | 13 31 | 2 2 | 12 3 | 0 48 | 1 0 | 1 39 | 1 0 | 15 8 | 19 26 | 19 33 | 18 17 | 15 43 | 6 19 |
| T 7 | 9 4 | 9 46 | 5 0 | 1 36 | 2 33 | 7 14 | 1 6 | 5 48 | 1 13 | 22 46 | 0 39 | 13 32 | 2 2 | 12 3 | 0 48 | 1 0 | 1 39 | 0 59 | 15 8 | 19 29 | 19 33 | 18 16 | 15 42 | 6 19 |
| W 8 | 9 25 | 13 48 | 4 45 | 0 54 | 2 30 | 7 4 | 0 58 | 5 30 | 1 13 | 22 46 | 0 39 | 13 32 | 2 1 | 12 4 | 0 48 | 1 1 | 1 39 | 0 59 | 15 8 | 19 32 | 19 34 | 18 15 | 15 41 | 6 20 |
| T 9 | 9 47 | 17 11 | 4 14 | 0 12 | 2 27 | 6 54 | 0 50 | 5 12 | 1 13 | 22 45 | 0 39 | 13 33 | 2 1 | 12 4 | 0 48 | 1 2 | 1 39 | 0 58 | 15 8 | 19 34 | 19 35 | 18 14 | 15 41 | 6 20 |
| F 10 | 10 8 | 19 40 | 3 28 | 0n32 | 2 23 | 6 42 | 0 42 | 4 54 | 1 13 | 22 44 | 0 39 | 13 33 | 2 1 | 12 4 | 0 47 | 1 2 | 1 39 | 0 58 | 15 7 | 19 35 | 19 36 | 18 13 | 15 40 | 6 21 |
| S 11 | 10 29 | 21 1 | 2 30 | 1 17 | 2 19 | 6 31 | 0 35 | 4 35 | 1 13 | 22 43 | 0 39 | 13 34 | 2 1 | 12 5 | 0 47 | 1 3 | 1 39 | 0 57 | 15 7 | 19 36 | 19 36 | 18 12 | 15 40 | 6 21 |
| S 12 | 10 50 | 21 5 | 1 22 | 2 3 | 2 15 | 6 18 | 0 27 | 4 17 | 1 12 | 22 42 | 0 39 | 13 34 | 2 1 | 12 5 | 0 47 | 1 3 | 1 39 | 0 57 | 15 7 | 19 36 | 19 37 | 18 11 | 15 39 | 6 22 |
| M13 | 11 11 | 19 50 | 0 9 | 2 50 | 2 9 | 6 6 | 0 20 | 3 59 | 1 12 | 22 41 | 0 39 | 13 34 | 2 1 | 12 5 | 0 47 | 1 4 | 1 39 | 0 56 | 15 7 | 19 36 | 19 38 | 18 10 | 15 38 | 6 22 |
| T 14 | 11 32 | 17 21 | 1n 6 | 3 37 | 2 4 | 5 52 | 0 13 | 3 40 | 1 12 | 22 40 | 0 39 | 13 35 | 2 1 | 12 6 | 0 47 | 1 4 | 1 39 | 0 56 | 15 7 | 19 36 | 19 38 | 18 9 | 15 38 | 6 23 |
| W15 | 11 52 | 13 48 | 2 16 | 4 26 | 1 57 | 5 39 | 0 6 | 3 22 | 1 12 | 22 39 | 0 39 | 13 35 | 2 1 | 12 6 | 0 47 | 1 5 | 1 39 | 0 55 | 15 7 | 19 37 | 19 39 | 18 8 | 15 37 | 6 24 |
| T 16 | 12 12 | 9 26 | 3 18 | 5 15 | 1 51 | 5 24 | 0s 1 | 3 3 | 1 12 | 22 38 | 0 39 | 13 35 | 2 0 | 12 6 | 0 47 | 1 5 | 1 39 | 0 55 | 15 7 | 19 38 | 19 40 | 18 7 | 15 37 | 6 24 |
| F 17 | 12 32 | 4 33 | 4 8 | 6 5 | 1 43 | 5 10 | 0 7 | 2 45 | 1 12 | 22 37 | 0 39 | 13 35 | 2 0 | 12 6 | 0 47 | 1 6 | 1 39 | 0 55 | 15 7 | 19 39 | 19 41 | 18 6 | 15 36 | 6 25 |
| S 18 | 12 52 | 0s33 | 4 42 | 6 56 | 1 36 | 4 55 | 0 14 | 2 27 | 1 12 | 22 36 | 0 39 | 13 36 | 2 0 | 12 7 | 0 47 | 1 6 | 1 39 | 0 54 | 15 7 | 19 41 | 19 41 | 18 5 | 15 35 | 6 25 |
| S 19 | 13 12 | 5 34 | 4 59 | 7 48 | 1 27 | 4 39 | 0 20 | 2 8 | 1 12 | 22 35 | 0 39 | 13 36 | 2 0 | 12 7 | 0 47 | 1 7 | 1 39 | 0 54 | 15 7 | 19 44 | 19 42 | 18 4 | 15 35 | 6 26 |
| M20 | 13 31 | 10 12 | 4 58 | 8 40 | 1 19 | 4 23 | 0 26 | 1 50 | 1 12 | 22 34 | 0 39 | 13 36 | 2 0 | 12 7 | 0 47 | 1 7 | 1 39 | 0 53 | 15 7 | 19 47 | 19 43 | 18 3 | 15 34 | 6 26 |
| T 21 | 13 50 | 14 14 | 4 40 | 9 32 | 1 10 | 4 7 | 0 32 | 1 31 | 1 11 | 22 33 | 0 39 | 13 36 | 2 0 | 12 7 | 0 47 | 1 8 | 1 39 | 0 53 | 15 7 | 19 49 | 19 44 | 18 2 | 15 34 | 6 27 |
| W22 | 14 9 | 17 28 | 4 7 | 10 24 | 1 1 | 3 50 | 0 38 | 1 13 | 1 11 | 22 32 | 0 39 | 13 36 | 2 0 | 12 7 | 0 47 | 1 8 | 1 39 | 0 52 | 15 7 | 19 52 | 19 44 | 18 0 | 15 33 | 6 27 |
| T 23 | 14 28 | 19 46 | 3 23 | 11 17 | 0 51 | 3 33 | 0 43 | 0 54 | 1 11 | 22 31 | 0 39 | 13 36 | 1 59 | 12 8 | 0 47 | 1 9 | 1 39 | 0 52 | 15 7 | 19 53 | 19 45 | 17 59 | 15 33 | 6 28 |
| F 24 | 14 46 | 21 3 | 2 30 | 12 10 | 0 41 | 3 15 | 0 49 | 0 36 | 1 11 | 22 29 | 0 39 | 13 36 | 1 59 | 12 8 | 0 47 | 1 9 | 1 39 | 0 51 | 15 7 | 19 55 | 19 46 | 17 58 | 15 32 | 6 28 |
| S 25 | 15 5 | 21 18 | 1 31 | 13 2 | 0 31 | 2 57 | 0 54 | 0 18 | 1 11 | 22 28 | 0 39 | 13 36 | 1 59 | 12 8 | 0 47 | 1 10 | 1 39 | 0 51 | 15 7 | 19 55 | 19 46 | 17 57 | 15 32 | 6 29 |
| S 26 | 15 23 | 20 34 | 0 28 | 13 54 | 0 20 | 2 39 | 0 59 | 0n 1 | 1 11 | 22 27 | 0 39 | 13 35 | 1 59 | 12 8 | 0 47 | 1 10 | 1 39 | 0 51 | 15 7 | 19 56 | 19 47 | 17 56 | 15 32 | 6 29 |
| M27 | 15 41 | 18 55 | 0s34 | 14 46 | 0 10 | 2 21 | 1 4 | 0 19 | 1 10 | 22 26 | 0 39 | 13 35 | 1 59 | 12 8 | 0 47 | 1 11 | 1 39 | 0 50 | 15 7 | 19 56 | 19 48 | 17 55 | 15 31 | 6 30 |
| T 28 | 15 58 | 16 28 | 1 36 | 15 36 | 0n 1 | 2 2 | 1 8 | 0 37 | 1 10 | 22 24 | 0 39 | 13 35 | 1 59 | 12 8 | 0 47 | 1 11 | 1 39 | 0 50 | 15 7 | 19 56 | 19 49 | 17 54 | 15 31 | 6 30 |
| W29 | 16 15 | 13 19 | 2 33 | 16 26 | 0 11 | 1 42 | 1 13 | 0 56 | 1 10 | 22 23 | 0 39 | 13 35 | 1 59 | 12 8 | 0 47 | 1 11 | 1 39 | 0 49 | 15 7 | 19 56 | 19 49 | 17 53 | 15 30 | 6 31 |
| T 30 | 16n32 | 9s36 | 3s24 | 17n14 | 0n22 | 1s23 | 1s18 | 1n14 | 1s10 | 22n21 | 0n39 | 13n34 | 1n58 | 12n 8 | 0n47 | 1n12 | 1n38 | 0s49 | 15s 7 | 19n57 | 19n50 | 17s52 | 15s30 | 6n31 |

Julian Day Number = 2132054.5, Delta T = 16m26s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'42, Lahiri = 11°39'42 Julian Calendar 1 Apr. 1125 == Greg. Calendar 8 Apr. 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## MAY 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 0 22 | 16♉23'52 | 25♓52 | 18♉51 | 0♈30 | 6♈31 | 22♋20 | 29♌26 | 0°R20 | 0°R45 | 5♉40 | 1°R18 | 1♌50 | 13♒30 | 20°R43 | F 1 |
| S 2 | 15 4 19 | 17°21'32 | 8♈22 | 21° 2 | 1°30 | 7°16 | 22°28 | 29°27 | 0°D20 | 0♎44 | 5°42 | 1♌10 | 1°47 | 13°37 | 20♏42 | S 2 |
| S 3 | 15 8 15 | 18°19'11 | 21°11 | 23°13 | 2°30 | 8° 1 | 22°37 | 29°27 | 0♍20 | 0°43 | 5°43 | 1° 0 | 1°44 | 13°43 | 20°41 | S 3 |
| M 4 | 15 12 12 | 19°16'48 | 4♉20 | 25°23 | 3°30 | 8°47 | 22°46 | 29°28 | 0°20 | 0°42 | 5°44 | 0°49 | 1°40 | 13°50 | 20°40 | M 4 |
| T 5 | 15 16 8 | 20°14'25 | 17°48 | 27°32 | 4°31 | 9°32 | 22°55 | 29°29 | 0°20 | 0°41 | 5°46 | 0°37 | 1°37 | 13°57 | 20°39 | T 5 |
| W 6 | 15 20 5 | 21°12'01 | 1♊33 | 29°39 | 5°32 | 10°17 | 23° 4 | 29°30 | 0°21 | 0°40 | 5°47 | 0°27 | 1°34 | 14° 3 | 20°38 | W 6 |
| T 7 | 15 24 2 | 22° 9'35 | 15°30 | 1♊46 | 6°33 | 11° 2 | 23°13 | 29°32 | 0°21 | 0°39 | 5°48 | 0°18 | 1°31 | 14°10 | 20°37 | T 7 |
| F 8 | 15 27 58 | 23° 7'08 | 29°37 | 3°50 | 7°35 | 11°47 | 23°22 | 29°33 | 0°21 | 0°38 | 5°50 | 0°13 | 1°28 | 14°16 | 20°36 | F 8 |
| S 9 | 15 31 55 | 24° 4'40 | 13♋48 | 5°53 | 8°37 | 12°32 | 23°32 | 29°34 | 0°22 | 0°37 | 5°51 | 0° 9 | 1°25 | 14°23 | 20°34 | S 9 |
| S 10 | 15 35 51 | 25° 2'10 | 28° 1 | 7°53 | 9°39 | 13°17 | 23°41 | 29°36 | 0°22 | 0°37 | 5°52 | 0°D 8 | 1°21 | 14°30 | 20°33 | S 10 |
| M11 | 15 39 48 | 25°59'39 | 12♌12 | 9°52 | 10°41 | 14° 2 | 23°51 | 29°37 | 0°22 | 0°36 | 5°54 | 0° 9 | 1°18 | 14°36 | 20°32 | M11 |
| T 12 | 15 43 44 | 26°57'07 | 26°21 | 11°48 | 11°44 | 14°46 | 24° 0 | 29°39 | 0°23 | 0°35 | 5°55 | 0°R 9 | 1°15 | 14°43 | 20°30 | T 12 |
| W13 | 15 47 41 | 27°54'33 | 10♍26 | 13°41 | 12°47 | 15°31 | 24°10 | 29°41 | 0°24 | 0°34 | 5°56 | 0° 8 | 1°12 | 14°50 | 20°29 | W13 |
| T 14 | 15 51 37 | 28°51'58 | 24°27 | 15°32 | 13°50 | 16°16 | 24°20 | 29°43 | 0°24 | 0°34 | 5°57 | 0° 6 | 1° 9 | 14°56 | 20°27 | T 14 |
| F 15 | 15 55 34 | 29°49'22 | 8♎21 | 17°21 | 14°53 | 17° 0 | 24°30 | 29°45 | 0°25 | 0°33 | 5°59 | 0° 1 | 1° 6 | 15° 3 | 20°25 | F 15 |
| S 16 | 15 59 31 | 0♊46'44 | 22° 7 | 19° 7 | 15°56 | 17°45 | 24°40 | 29°47 | 0°26 | 0°32 | 6° 0 | 29♋54 | 1° 2 | 15°10 | 20°23 | S 16 |
| S 17 | 16 3 27 | 1°44'06 | 5♏42 | 20°50 | 17° 0 | 18°30 | 24°50 | 29°49 | 0°26 | 0°32 | 6° 1 | 29°45 | 0°59 | 15°16 | 20°22 | S 17 |
| M18 | 16 7 24 | 2°41'26 | 19° 5 | 22°31 | 18° 4 | 19°14 | 25° 0 | 29°51 | 0°27 | 0°31 | 6° 2 | 29°35 | 0°56 | 15°23 | 20°20 | M18 |
| T 19 | 16 11 20 | 3°38'46 | 2♐12 | 24° 8 | 19° 8 | 19°58 | 25°11 | 29°53 | 0°28 | 0°31 | 6° 4 | 29°26 | 0°53 | 15°30 | 20°18 | T 19 |
| W20 | 16 15 17 | 4°36'04 | 15° 4 | 25°43 | 20°13 | 20°43 | 25°21 | 29°56 | 0°29 | 0°30 | 6° 5 | 29°18 | 0°50 | 15°36 | 20°16 | W20 |
| T 21 | 16 19 13 | 5°33'23 | 27°40 | 27°16 | 21°17 | 21°27 | 25°31 | 29°58 | 0°30 | 0°30 | 6° 6 | 29°12 | 0°46 | 15°43 | 20°14 | T 21 |
| F 22 | 16 23 10 | 6°30'40 | 10♑ 0 | 28°45 | 22°22 | 22°11 | 25°42 | 0♍ 1 | 0°31 | 0°29 | 6° 7 | 29° 8 | 0°43 | 15°50 | 20°12 | F 22 |
| S 23 | 16 27 7 | 7°27'57 | 22° 6 | 0♋12 | 23°27 | 22°55 | 25°53 | 0° 4 | 0°32 | 0°29 | 6° 8 | 29° 6 | 0°40 | 15°56 | 20° 9 | S 23 |
| S 24 | 16 31 3 | 8°25'13 | 4♒ 3 | 1°36 | 24°32 | 23°39 | 26° 3 | 0° 7 | 0°33 | 0°28 | 6°10 | 29°D 6 | 0°37 | 16° 3 | 20° 7 | S 24 |
| M25 | 16 35 0 | 9°22'29 | 15°53 | 2°57 | 25°38 | 24°23 | 26°14 | 0°10 | 0°35 | 0°28 | 6°11 | 29° 7 | 0°34 | 16°10 | 20° 5 | M25 |
| T 26 | 16 38 56 | 10°19'45 | 27°42 | 4°15 | 26°43 | 25° 7 | 26°25 | 0°13 | 0°36 | 0°28 | 6°12 | 29° 8 | 0°31 | 16°16 | 20° 2 | T 26 |
| W27 | 16 42 53 | 11°17'00 | 9♓34 | 5°30 | 27°49 | 25°51 | 26°36 | 0°16 | 0°37 | 0°27 | 6°13 | 29°R 9 | 0°27 | 16°23 | 20° 0 | W27 |
| T 28 | 16 46 49 | 12°14'14 | 21°35 | 6°42 | 28°54 | 26°35 | 26°47 | 0°19 | 0°39 | 0°27 | 6°14 | 29° 8 | 0°24 | 16°29 | 19°57 | T 28 |
| F 29 | 16 50 46 | 13°11'29 | 3♈50 | 7°52 | 0♉ 0 | 27°19 | 26°58 | 0°22 | 0°40 | 0°27 | 6°15 | 29° 6 | 0°21 | 16°36 | 19°55 | F 29 |
| S 30 | 16 54 42 | 14° 8'43 | 16°23 | 8°58 | 1° 7 | 28° 3 | 27° 9 | 0°26 | 0°41 | 0°27 | 6°16 | 29° 2 | 0°18 | 16°43 | 19°52 | S 30 |
| S 31 | 16 58 39 | 15♊ 5'57 | 29♈17 | 10♋ 0 | 2♉13 | 28♈46 | 27♋21 | 0♍29 | 0♍43 | 0♎26 | 6♉18 | 28♋56 | 0♌15 | 16♒49 | 19♑50 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n49 | 5s25 | 4s 7 | 18n 1 | 0n32 | 1s 3 | 1s22 | 1n32 | 1s 9 | 22n20 | 0n39 | 13n34 | 1n58 | 12n 8 | 0n47 | 1n12 | 1n38 | 0s49 | 15s 7 | 19n58 | 19n51 | 17s51 | 15s29 | 6n32 |
| S 2 | 17 6 | 0 56 | 4 39 | 18 47 | 0 42 | 0 43 | 1 26 | 1 50 | 1 9 | 22 19 | 0 39 | 13 34 | 1 58 | 12 8 | 0 47 | 1 13 | 1 38 | 0 48 | 15 7 | 20 0 | 19 51 | 17 50 | 15 29 | 6 32 |
| S 3 | 17 22 | 3n42 | 4 58 | 19 30 | 0 52 | 0 23 | 1 30 | 2 9 | 1 9 | 22 17 | 0 39 | 13 33 | 1 58 | 12 8 | 0 47 | 1 13 | 1 38 | 0 48 | 15 7 | 20 2 | 19 52 | 17 49 | 15 29 | 6 33 |
| M 4 | 17 38 | 8 17 | 5 2 | 20 11 | 1 1 | 0 2 | 1 34 | 2 27 | 1 9 | 22 16 | 0 39 | 13 33 | 1 58 | 12 8 | 0 47 | 1 13 | 1 38 | 0 47 | 15 7 | 20 4 | 19 53 | 17 48 | 15 28 | 6 33 |
| T 5 | 17 53 | 12 36 | 4 49 | 20 51 | 1 10 | 0n19 | 1 37 | 2 45 | 1 8 | 22 14 | 0 39 | 13 32 | 1 58 | 12 8 | 0 47 | 1 14 | 1 38 | 0 47 | 15 7 | 20 7 | 19 54 | 17 46 | 15 28 | 6 34 |
| W 6 | 18 9 | 16 20 | 4 19 | 21 27 | 1 19 | 0 40 | 1 41 | 3 3 | 1 8 | 22 13 | 0 39 | 13 32 | 1 58 | 12 8 | 0 46 | 1 14 | 1 38 | 0 47 | 15 7 | 20 9 | 19 54 | 17 45 | 15 28 | 6 34 |
| T 7 | 18 24 | 19 13 | 3 34 | 22 2 | 1 27 | 1 1 | 1 44 | 3 21 | 1 8 | 22 11 | 0 39 | 13 31 | 1 57 | 12 7 | 0 46 | 1 14 | 1 38 | 0 46 | 15 7 | 20 11 | 19 55 | 17 44 | 15 27 | 6 35 |
| F 8 | 18 38 | 20 58 | 2 35 | 22 34 | 1 35 | 1 23 | 1 48 | 3 39 | 1 8 | 22 10 | 0 39 | 13 31 | 1 57 | 12 7 | 0 46 | 1 15 | 1 38 | 0 46 | 15 7 | 20 12 | 19 56 | 17 43 | 15 27 | 6 35 |
| S 9 | 18 53 | 21 24 | 1 26 | 23 3 | 1 41 | 1 44 | 1 51 | 3 57 | 1 7 | 22 8 | 0 39 | 13 30 | 1 57 | 12 7 | 0 46 | 1 15 | 1 38 | 0 46 | 15 7 | 20 13 | 19 56 | 17 42 | 15 27 | 6 36 |
| S 10 | 19 7 | 20 28 | 0 11 | 23 30 | 1 47 | 2 6 | 1 54 | 4 14 | 1 7 | 22 6 | 0 39 | 13 29 | 1 57 | 12 7 | 0 46 | 1 15 | 1 38 | 0 45 | 15 7 | 20 13 | 19 57 | 17 41 | 15 27 | 6 36 |
| M11 | 19 21 | 18 14 | 1n 4 | 23 54 | 1 53 | 2 28 | 1 56 | 4 32 | 1 7 | 22 5 | 0 39 | 13 29 | 1 57 | 12 7 | 0 46 | 1 16 | 1 38 | 0 45 | 15 8 | 20 13 | 19 58 | 17 40 | 15 26 | 6 36 |
| T 12 | 19 34 | 14 54 | 2 15 | 24 15 | 1 58 | 2 50 | 1 59 | 4 50 | 1 6 | 22 3 | 0 39 | 13 28 | 1 57 | 12 7 | 0 46 | 1 16 | 1 38 | 0 45 | 15 8 | 20 13 | 19 58 | 17 39 | 15 26 | 6 37 |
| W13 | 19 47 | 10 44 | 3 18 | 24 34 | 2 2 | 3 12 | 2 1 | 5 7 | 1 6 | 22 1 | 0 39 | 13 27 | 1 57 | 12 6 | 0 46 | 1 16 | 1 38 | 0 44 | 15 8 | 20 13 | 19 59 | 17 37 | 15 26 | 6 37 |
| T 14 | 20 0 | 6 1 | 4 8 | 24 50 | 2 5 | 3 35 | 2 4 | 5 25 | 1 6 | 21 59 | 0 39 | 13 27 | 1 56 | 12 6 | 0 46 | 1 16 | 1 38 | 0 44 | 15 8 | 20 13 | 20 0 | 17 36 | 15 26 | 6 38 |
| F 15 | 20 12 | 1 1 | 4 44 | 25 3 | 2 7 | 3 57 | 2 6 | 5 42 | 1 5 | 21 58 | 0 39 | 13 26 | 1 56 | 12 6 | 0 46 | 1 17 | 1 38 | 0 44 | 15 8 | 20 15 | 20 1 | 17 35 | 15 26 | 6 38 |
| S 16 | 20 25 | 3s59 | 5 2 | 25 15 | 2 9 | 4 20 | 2 8 | 6 0 | 1 5 | 21 56 | 0 39 | 13 25 | 1 56 | 12 5 | 0 46 | 1 17 | 1 38 | 0 43 | 15 8 | 20 16 | 20 1 | 17 34 | 15 25 | 6 39 |
| S 17 | 20 36 | 8 43 | 5 3 | 25 23 | 2 10 | 4 42 | 2 10 | 6 17 | 1 5 | 21 54 | 0 39 | 13 24 | 1 56 | 12 5 | 0 46 | 1 17 | 1 38 | 0 43 | 15 8 | 20 18 | 20 2 | 17 33 | 15 25 | 6 39 |
| M18 | 20 48 | 12 58 | 4 48 | 25 30 | 2 10 | 5 5 | 2 12 | 6 34 | 1 4 | 21 52 | 0 39 | 13 23 | 1 56 | 12 5 | 0 46 | 1 17 | 1 38 | 0 43 | 15 8 | 20 20 | 20 3 | 17 32 | 15 25 | 6 40 |
| T 19 | 20 59 | 16 30 | 4 17 | 25 34 | 2 9 | 5 28 | 2 14 | 6 52 | 1 4 | 21 50 | 0 39 | 13 22 | 1 56 | 12 4 | 0 46 | 1 17 | 1 38 | 0 43 | 15 8 | 20 22 | 20 3 | 17 30 | 15 25 | 6 40 |
| W20 | 21 10 | 19 10 | 3 34 | 25 37 | 2 8 | 5 51 | 2 15 | 7 9 | 1 4 | 21 48 | 0 39 | 13 21 | 1 56 | 12 4 | 0 46 | 1 18 | 1 38 | 0 42 | 15 8 | 20 24 | 20 4 | 17 29 | 15 25 | 6 40 |
| T 21 | 21 20 | 20 51 | 2 41 | 25 37 | 2 6 | 6 14 | 2 17 | 7 26 | 1 3 | 21 47 | 0 39 | 13 20 | 1 55 | 12 4 | 0 46 | 1 18 | 1 38 | 0 42 | 15 9 | 20 25 | 20 5 | 17 28 | 15 25 | 6 41 |
| F 22 | 21 30 | 21 30 | 1 41 | 25 36 | 2 3 | 6 37 | 2 18 | 7 43 | 1 3 | 21 45 | 0 39 | 13 19 | 1 55 | 12 3 | 0 46 | 1 18 | 1 38 | 0 42 | 15 9 | 20 26 | 20 5 | 17 27 | 15 25 | 6 41 |
| S 23 | 21 39 | 21 7 | 0 38 | 25 32 | 1 59 | 7 0 | 2 19 | 7 59 | 1 2 | 21 43 | 0 39 | 13 18 | 1 55 | 12 3 | 0 46 | 1 18 | 1 38 | 0 42 | 15 9 | 20 26 | 20 6 | 17 26 | 15 25 | 6 42 |
| S 24 | 21 49 | 19 46 | 0s27 | 25 28 | 1 55 | 7 23 | 2 20 | 8 16 | 1 2 | 21 41 | 0 39 | 13 17 | 1 55 | 12 2 | 0 46 | 1 18 | 1 38 | 0 41 | 15 9 | 20 26 | 20 7 | 17 25 | 15 24 | 6 42 |
| M25 | 21 58 | 17 34 | 1 29 | 25 21 | 1 50 | 7 45 | 2 21 | 8 33 | 1 2 | 21 39 | 0 39 | 13 15 | 1 55 | 12 2 | 0 46 | 1 18 | 1 37 | 0 41 | 15 9 | 20 26 | 20 7 | 17 23 | 15 24 | 6 42 |
| T 26 | 22 6 | 14 39 | 2 28 | 25 13 | 1 44 | 8 8 | 2 22 | 8 49 | 1 1 | 21 36 | 0 39 | 13 14 | 1 55 | 12 1 | 0 46 | 1 18 | 1 37 | 0 41 | 15 9 | 20 26 | 20 8 | 17 22 | 15 24 | 6 43 |
| W27 | 22 14 | 11 7 | 3 21 | 25 4 | 1 38 | 8 31 | 2 23 | 9 6 | 1 1 | 21 34 | 0 39 | 13 13 | 1 55 | 12 1 | 0 46 | 1 18 | 1 37 | 0 41 | 15 9 | 20 26 | 20 9 | 17 21 | 15 24 | 6 43 |
| T 28 | 22 22 | 7 7 | 4 6 | 24 53 | 1 31 | 8 54 | 2 23 | 9 22 | 1 0 | 21 32 | 0 39 | 13 12 | 1 54 | 12 0 | 0 46 | 1 18 | 1 37 | 0 40 | 15 10 | 20 26 | 20 10 | 17 20 | 15 24 | 6 43 |
| F 29 | 22 29 | 2 45 | 4 40 | 24 42 | 1 23 | 9 17 | 2 24 | 9 38 | 1 0 | 21 30 | 0 39 | 13 10 | 1 54 | 12 0 | 0 46 | 1 18 | 1 37 | 0 40 | 15 10 | 20 26 | 20 10 | 17 19 | 15 24 | 6 44 |
| S 30 | 22 36 | 1n50 | 5 2 | 24 29 | 1 14 | 9 40 | 2 24 | 9 54 | 0 59 | 21 28 | 0 39 | 13 9 | 1 54 | 11 59 | 0 46 | 1 19 | 1 37 | 0 40 | 15 10 | 20 27 | 20 11 | 17 17 | 15 24 | 6 44 |
| S 31 | 22n43 | 6n27 | 5s 9 | 24n15 | 1n 5 | 10n 2 | 2s25 | 10n10 | 0s59 | 21n26 | 0n39 | 13n 8 | 1n54 | 11n59 | 0n45 | 1n19 | 1n37 | 0s40 | 15s10 | 20n28 | 20n12 | 17s16 | 15s24 | 6n44 |

Julian Day Number = 2132084.5, Delta T = 16m25s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'46, Lahiri = 11°39'46 Julian Calendar 1 May 1125 == Greg. Calendar 8 May 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## JUNE 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 2 36 | 16♊ 3'11 | 12♉35 | 11♋ 0 | 3♉19 | 29♈30 | 27♋32 | 0♍33 | 0♍44 | 0°R26 | 6♉19 | 28°R50 | 0♌12 | 16♒56 | 19°R47 | M 1 |
| T 2 | 17 6 32 | 17° 0'25 | 26°16 | 11°56 | 4°26 | 0♉14 | 27°43 | 0°36 | 0°46 | 0♎26 | 6°20 | 28♋43 | 0° 8 | 17° 3 | 19♑44 | T 2 |
| W 3 | 17 10 29 | 17°57'38 | 10♊18 | 12°49 | 5°33 | 0°57 | 27°55 | 0°40 | 0°48 | 0°26 | 6°21 | 28°37 | 0° 5 | 17° 9 | 19°41 | W 3 |
| T 4 | 17 14 25 | 18°54'51 | 24°37 | 13°38 | 6°39 | 1°40 | 28° 6 | 0°44 | 0°49 | 0°26 | 6°22 | 28°32 | 0° 2 | 17°16 | 19°39 | T 4 |
| F 5 | 17 18 22 | 19°52'04 | 9♋ 8 | 14°23 | 7°46 | 2°24 | 28°18 | 0°48 | 0°51 | 0°D26 | 6°23 | 28°29 | 29♋59 | 17°23 | 19°36 | F 5 |
| S 6 | 17 22 18 | 20°49'17 | 23°44 | 15° 5 | 8°53 | 3° 7 | 28°29 | 0°52 | 0°53 | 0°26 | 6°24 | 28°D27 | 29°56 | 17°29 | 19°33 | S 6 |
| S 7 | 17 26 15 | 21°46'29 | 8♌20 | 15°43 | 10° 1 | 3°50 | 28°41 | 0°56 | 0°55 | 0°26 | 6°25 | 28°28 | 29°52 | 17°36 | 19°30 | S 7 |
| M 8 | 17 30 11 | 22°43'40 | 22°49 | 16°16 | 11° 8 | 4°33 | 28°53 | 1° 0 | 0°57 | 0°26 | 6°26 | 28°29 | 29°49 | 17°43 | 19°27 | M 8 |
| T 9 | 17 34 8 | 23°40'51 | 7♍10 | 16°46 | 12°16 | 5°16 | 29° 5 | 1° 4 | 0°59 | 0°26 | 6°27 | 28°30 | 29°46 | 17°49 | 19°24 | T 9 |
| W10 | 17 38 5 | 24°38'02 | 21°18 | 17°11 | 13°23 | 5°59 | 29°17 | 1° 8 | 1° 1 | 0°26 | 6°28 | 28°R31 | 29°43 | 17°56 | 19°21 | W10 |
| T 11 | 17 42 1 | 25°35'12 | 5♎13 | 17°32 | 14°31 | 6°42 | 29°29 | 1°13 | 1° 3 | 0°27 | 6°29 | 28°31 | 29°40 | 18° 3 | 19°18 | T 11 |
| F 12 | 17 45 58 | 26°32'22 | 18°55 | 17°49 | 15°39 | 7°25 | 29°40 | 1°17 | 1° 5 | 0°27 | 6°30 | 28°29 | 29°37 | 18° 9 | 19°15 | F 12 |
| S 13 | 17 49 54 | 27°29'31 | 2♏22 | 18° 1 | 16°46 | 8° 8 | 29°53 | 1°22 | 1° 7 | 0°27 | 6°31 | 28°26 | 29°33 | 18°16 | 19°11 | S 13 |
| S 14 | 17 53 51 | 28°26'40 | 15°36 | 18° 8 | 17°54 | 8°51 | 0♌ 5 | 1°26 | 1° 9 | 0°27 | 6°32 | 28°22 | 29°30 | 18°23 | 19° 8 | S 14 |
| M15 | 17 57 47 | 29°23'49 | 28°35 | 18°R11 | 19° 3 | 9°33 | 0°17 | 1°31 | 1°11 | 0°28 | 6°33 | 28°17 | 29°27 | 18°29 | 19° 5 | M15 |
| T 16 | 18 1 44 | 0♋20'58 | 11♐21 | 18° 9 | 20°11 | 10°16 | 0°29 | 1°36 | 1°13 | 0°28 | 6°33 | 28°13 | 29°24 | 18°36 | 19° 2 | T 16 |
| W17 | 18 5 40 | 1°18'07 | 23°54 | 18° 2 | 21°19 | 10°58 | 0°41 | 1°41 | 1°16 | 0°28 | 6°34 | 28° 9 | 29°21 | 18°43 | 18°58 | W17 |
| T 18 | 18 9 37 | 2°15'16 | 6♑14 | 17°51 | 22°28 | 11°41 | 0°53 | 1°46 | 1°18 | 0°29 | 6°35 | 28° 6 | 29°18 | 18°49 | 18°55 | T 18 |
| F 19 | 18 13 34 | 3°12'26 | 18°23 | 17°35 | 23°36 | 12°23 | 1° 6 | 1°50 | 1°20 | 0°29 | 6°36 | 28° 5 | 29°14 | 18°56 | 18°52 | F 19 |
| S 20 | 18 17 30 | 4° 9'35 | 0♒23 | 17°15 | 24°45 | 13° 5 | 1°18 | 1°56 | 1°23 | 0°30 | 6°37 | 28°D 4 | 29°11 | 19° 3 | 18°48 | S 20 |
| S 21 | 18 21 27 | 5° 6'45 | 12°16 | 16°51 | 25°54 | 13°47 | 1°30 | 2° 1 | 1°25 | 0°30 | 6°38 | 28° 5 | 29° 8 | 19° 9 | 18°45 | S 21 |
| M22 | 18 25 23 | 6° 3'55 | 24° 5 | 16°23 | 27° 3 | 14°29 | 1°43 | 2° 6 | 1°28 | 0°31 | 6°38 | 28° 6 | 29° 5 | 19°16 | 18°41 | M22 |
| T 23 | 18 29 20 | 7° 1'06 | 5♓53 | 15°51 | 28°11 | 15°11 | 1°55 | 2°11 | 1°30 | 0°31 | 6°39 | 28° 8 | 29° 2 | 19°22 | 18°38 | T 23 |
| W24 | 18 33 16 | 7°58'17 | 17°46 | 15°17 | 29°21 | 15°53 | 2° 8 | 2°16 | 1°33 | 0°32 | 6°40 | 28° 9 | 28°58 | 19°29 | 18°35 | W24 |
| T 25 | 18 37 13 | 8°55'29 | 29°46 | 14°40 | 0♊30 | 16°35 | 2°20 | 2°22 | 1°35 | 0°32 | 6°41 | 28°10 | 28°55 | 19°36 | 18°31 | T 25 |
| F 26 | 18 41 9 | 9°52'41 | 12♈ 0 | 14° 2 | 1°39 | 17°17 | 2°33 | 2°27 | 1°38 | 0°33 | 6°41 | 28°R11 | 28°52 | 19°42 | 18°28 | F 26 |
| S 27 | 18 45 6 | 10°49'54 | 24°32 | 13°22 | 2°48 | 17°59 | 2°46 | 2°33 | 1°41 | 0°34 | 6°42 | 28°10 | 28°49 | 19°49 | 18°24 | S 27 |
| S 28 | 18 49 3 | 11°47'08 | 7♉25 | 12°42 | 3°58 | 18°40 | 2°58 | 2°38 | 1°43 | 0°34 | 6°43 | 28° 9 | 28°46 | 19°56 | 18°21 | S 28 |
| M29 | 18 52 59 | 12°44'23 | 20°42 | 12° 1 | 5° 7 | 19°22 | 3°11 | 2°44 | 1°46 | 0°35 | 6°43 | 28° 7 | 28°43 | 20° 2 | 18°17 | M29 |
| T 30 | 18 56 56 | 13♋41'38 | 4♊26 | 11♋22 | 6♊17 | 20♉ 3 | 3♌24 | 2♍50 | 1♍49 | 0♎36 | 6♉44 | 28♋ 5 | 28♋39 | 20♒ 9 | 18♑14 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n49 | 10n55 | 5s 1 | 24n 1 | 0n55 | 10n25 | 2s25 | 10n26 | 0s58 | 21n24 | 0n39 | 13n 6 | 1n54 | 11n58 | 0n45 | 1n19 | 1n37 | 0s40 | 15s10 | 20n29 | 20n12 | 17s15 | 15s24 | 6n45 |
| T 2 | 22 55 | 14 57 | 4 35 | 23 46 | 0 45 | 10 47 | 2 25 | 10 42 | 0 58 | 21 21 | 0 39 | 13 5 | 1 54 | 11 58 | 0 45 | 1 19 | 1 37 | 0 39 | 15 10 | 20 31 | 20 13 | 17 14 | 15 25 | 6 45 |
| W 3 | 23 0 | 18 16 | 3 52 | 23 30 | 0 34 | 11 9 | 2 25 | 10 58 | 0 57 | 21 19 | 0 39 | 13 4 | 1 54 | 11 57 | 0 45 | 1 19 | 1 37 | 0 39 | 15 11 | 20 32 | 20 14 | 17 12 | 15 25 | 6 45 |
| T 4 | 23 5 | 20 33 | 2 54 | 23 13 | 0 23 | 11 32 | 2 24 | 11 13 | 0 57 | 21 17 | 0 39 | 13 2 | 1 54 | 11 56 | 0 45 | 1 19 | 1 37 | 0 39 | 15 11 | 20 33 | 20 14 | 17 11 | 15 25 | 6 46 |
| F 5 | 23 10 | 21 31 | 1 43 | 22 57 | 0 10 | 11 54 | 2 24 | 11 29 | 0 56 | 21 14 | 0 39 | 13 1 | 1 53 | 11 56 | 0 45 | 1 19 | 1 37 | 0 39 | 15 11 | 20 34 | 20 15 | 17 10 | 15 25 | 6 46 |
| S 6 | 23 14 | 21 2 | 0 26 | 22 39 | 0s 2 | 12 15 | 2 24 | 11 44 | 0 56 | 21 12 | 0 39 | 12 59 | 1 53 | 11 55 | 0 45 | 1 18 | 1 37 | 0 39 | 15 11 | 20 34 | 20 16 | 17 9 | 15 25 | 6 46 |
| S 7 | 23 18 | 19 8 | 0n54 | 22 22 | 0 16 | 12 37 | 2 23 | 11 59 | 0 55 | 21 10 | 0 39 | 12 57 | 1 53 | 11 54 | 0 45 | 1 18 | 1 37 | 0 39 | 15 11 | 20 34 | 20 16 | 17 7 | 15 25 | 6 47 |
| M 8 | 23 21 | 16 0 | 2 9 | 22 4 | 0 29 | 12 59 | 2 23 | 12 14 | 0 55 | 21 7 | 0 39 | 12 56 | 1 53 | 11 54 | 0 45 | 1 18 | 1 37 | 0 39 | 15 12 | 20 34 | 20 17 | 17 6 | 15 25 | 6 47 |
| T 9 | 23 24 | 11 57 | 3 16 | 21 47 | 0 43 | 13 20 | 2 22 | 12 29 | 0 54 | 21 5 | 0 39 | 12 54 | 1 53 | 11 53 | 0 45 | 1 18 | 1 37 | 0 38 | 15 12 | 20 33 | 20 18 | 17 5 | 15 25 | 6 47 |
| W10 | 23 27 | 7 17 | 4 9 | 21 29 | 0 58 | 13 41 | 2 21 | 12 44 | 0 54 | 21 2 | 0 39 | 12 53 | 1 53 | 11 52 | 0 45 | 1 18 | 1 37 | 0 38 | 15 12 | 20 33 | 20 18 | 17 4 | 15 25 | 6 47 |
| T 11 | 23 29 | 2 19 | 4 47 | 21 12 | 1 13 | 14 2 | 2 20 | 12 59 | 0 53 | 21 0 | 0 39 | 12 51 | 1 53 | 11 51 | 0 45 | 1 18 | 1 37 | 0 38 | 15 12 | 20 33 | 20 19 | 17 2 | 15 26 | 6 48 |
| F 12 | 23 30 | 2s41 | 5 8 | 20 55 | 1 28 | 14 23 | 2 19 | 13 13 | 0 53 | 20 57 | 0 39 | 12 49 | 1 53 | 11 51 | 0 45 | 1 18 | 1 37 | 0 38 | 15 12 | 20 34 | 20 20 | 17 1 | 15 26 | 6 48 |
| S 13 | 23 32 | 7 28 | 5 12 | 20 38 | 1 43 | 14 43 | 2 18 | 13 28 | 0 52 | 20 55 | 0 39 | 12 47 | 1 52 | 11 50 | 0 45 | 1 18 | 1 37 | 0 38 | 15 13 | 20 34 | 20 20 | 17 0 | 15 26 | 6 48 |
| S 14 | 23 33 | 11 49 | 4 59 | 20 21 | 1 59 | 15 3 | 2 17 | 13 42 | 0 52 | 20 52 | 0 40 | 12 46 | 1 52 | 11 49 | 0 45 | 1 18 | 1 37 | 0 38 | 15 13 | 20 35 | 20 21 | 16 59 | 15 26 | 6 48 |
| M15 | 23 33 | 15 32 | 4 30 | 20 6 | 2 14 | 15 23 | 2 16 | 13 56 | 0 51 | 20 50 | 0 40 | 12 44 | 1 52 | 11 48 | 0 45 | 1 17 | 1 36 | 0 38 | 15 13 | 20 36 | 20 22 | 16 57 | 15 26 | 6 49 |
| T 16 | 23 33 | 18 28 | 3 49 | 19 51 | 2 30 | 15 43 | 2 15 | 14 10 | 0 50 | 20 47 | 0 40 | 12 42 | 1 52 | 11 47 | 0 45 | 1 17 | 1 36 | 0 38 | 15 13 | 20 37 | 20 22 | 16 56 | 15 27 | 6 49 |
| W17 | 23 33 | 20 28 | 2 57 | 19 36 | 2 45 | 16 2 | 2 13 | 14 24 | 0 50 | 20 45 | 0 40 | 12 40 | 1 52 | 11 47 | 0 45 | 1 17 | 1 36 | 0 38 | 15 13 | 20 38 | 20 23 | 16 55 | 15 27 | 6 49 |
| T 18 | 23 32 | 21 27 | 1 57 | 19 23 | 3 0 | 16 21 | 2 12 | 14 38 | 0 49 | 20 42 | 0 40 | 12 38 | 1 52 | 11 46 | 0 45 | 1 17 | 1 36 | 0 38 | 15 14 | 20 38 | 20 24 | 16 53 | 15 27 | 6 49 |
| F 19 | 23 31 | 21 24 | 0 53 | 19 10 | 3 15 | 16 39 | 2 10 | 14 51 | 0 49 | 20 39 | 0 40 | 12 36 | 1 52 | 11 45 | 0 45 | 1 17 | 1 36 | 0 38 | 15 14 | 20 39 | 20 24 | 16 52 | 15 27 | 6 49 |
| S 20 | 23 29 | 20 22 | 0s13 | 18 59 | 3 29 | 16 58 | 2 9 | 15 5 | 0 48 | 20 36 | 0 40 | 12 35 | 1 52 | 11 44 | 0 45 | 1 16 | 1 36 | 0 38 | 15 14 | 20 39 | 20 25 | 16 51 | 15 28 | 6 50 |
| S 21 | 23 27 | 18 26 | 1 18 | 18 48 | 3 42 | 17 16 | 2 7 | 15 18 | 0 47 | 20 34 | 0 40 | 12 33 | 1 52 | 11 43 | 0 45 | 1 16 | 1 36 | 0 38 | 15 14 | 20 39 | 20 26 | 16 50 | 15 28 | 6 50 |
| M22 | 23 25 | 15 44 | 2 19 | 18 39 | 3 55 | 17 33 | 2 5 | 15 31 | 0 47 | 20 31 | 0 40 | 12 31 | 1 52 | 11 42 | 0 45 | 1 16 | 1 36 | 0 38 | 15 15 | 20 38 | 20 26 | 16 48 | 15 28 | 6 50 |
| T 23 | 23 22 | 12 24 | 3 14 | 18 31 | 4 7 | 17 51 | 2 3 | 15 44 | 0 46 | 20 28 | 0 40 | 12 29 | 1 51 | 11 41 | 0 45 | 1 16 | 1 36 | 0 38 | 15 15 | 20 38 | 20 27 | 16 47 | 15 29 | 6 50 |
| W24 | 23 19 | 8 33 | 4 1 | 18 25 | 4 17 | 18 8 | 2 1 | 15 57 | 0 45 | 20 25 | 0 40 | 12 27 | 1 51 | 11 40 | 0 45 | 1 15 | 1 36 | 0 38 | 15 15 | 20 38 | 20 28 | 16 46 | 15 29 | 6 50 |
| T 25 | 23 15 | 4 21 | 4 38 | 18 19 | 4 27 | 18 24 | 1 59 | 16 9 | 0 45 | 20 23 | 0 40 | 12 25 | 1 51 | 11 39 | 0 45 | 1 15 | 1 36 | 0 38 | 15 15 | 20 37 | 20 28 | 16 44 | 15 29 | 6 50 |
| F 26 | 23 11 | 0n 6 | 5 4 | 18 15 | 4 35 | 18 40 | 1 57 | 16 22 | 0 44 | 20 20 | 0 40 | 12 23 | 1 51 | 11 38 | 0 45 | 1 15 | 1 36 | 0 38 | 15 16 | 20 37 | 20 29 | 16 43 | 15 30 | 6 50 |
| S 27 | 23 6 | 4 39 | 5 16 | 18 13 | 4 41 | 18 56 | 1 55 | 16 34 | 0 43 | 20 17 | 0 40 | 12 20 | 1 51 | 11 37 | 0 45 | 1 14 | 1 36 | 0 38 | 15 16 | 20 38 | 20 30 | 16 42 | 15 30 | 6 50 |
| S 28 | 23 2 | 9 8 | 5 12 | 18 12 | 4 46 | 19 11 | 1 53 | 16 47 | 0 43 | 20 14 | 0 40 | 12 18 | 1 51 | 11 36 | 0 45 | 1 14 | 1 36 | 0 38 | 15 16 | 20 38 | 20 30 | 16 40 | 15 30 | 6 51 |
| M29 | 22 56 | 13 19 | 4 52 | 18 12 | 4 49 | 19 26 | 1 51 | 16 59 | 0 42 | 20 11 | 0 40 | 12 16 | 1 51 | 11 35 | 0 44 | 1 14 | 1 36 | 0 38 | 15 16 | 20 38 | 20 31 | 16 39 | 15 31 | 6 51 |
| T 30 | 22n51 | 16n57 | 4s15 | 18n14 | 4s51 | 19n40 | 1s49 | 17n10 | 0s41 | 20n 8 | 0n40 | 12n14 | 1n51 | 11n34 | 0n44 | 1n13 | 1n36 | 0s38 | 15s17 | 20n38 | 20n32 | 16s38 | 15s31 | 6n51 |

Julian Day Number = 2132115.5, Delta T = 16m25s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'50, Lahiri = 11°39'51 Julian Calendar 1 June 1125 == Greg. Calendar 8 June 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## JULY 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 0 52 | 14♋38'54 | 18♊35 | 10°R44 | 7♊27 | 20♉45 | 3♌37 | 2♍55 | 1♍52 | 0♎37 | 6♉45 | 28°R 3 | 28♋36 | 20♒16 | 18°R10 | W 1 |
| T 2 | 19 4 49 | 15°36'11 | 3♋ 5 | 10♋ 9 | 8°36 | 21°26 | 3°49 | 3° 1 | 1°54 | 0°38 | 6°45 | 28♋ 2 | 28°33 | 20°22 | 18♂ 7 | T 2 |
| F 3 | 19 8 45 | 16°33'29 | 17°53 | 9°36 | 9°46 | 22° 7 | 4° 2 | 3° 7 | 1°57 | 0°38 | 6°46 | 28° 1 | 28°30 | 20°29 | 18° 3 | F 3 |
| S 4 | 19 12 42 | 17°30'47 | 2♌50 | 9° 7 | 10°56 | 22°48 | 4°15 | 3°13 | 2° 0 | 0°39 | 6°46 | 28°D 1 | 28°27 | 20°36 | 17°59 | S 4 |
| S 5 | 19 16 38 | 18°28'06 | 17°48 | 8°41 | 12° 6 | 23°29 | 4°28 | 3°19 | 2° 3 | 0°40 | 6°47 | 28° 2 | 28°24 | 20°42 | 17°56 | S 5 |
| M 6 | 19 20 35 | 19°25'25 | 2♍40 | 8°21 | 13°16 | 24°10 | 4°41 | 3°25 | 2° 6 | 0°41 | 6°47 | 28° 2 | 28°20 | 20°49 | 17°52 | M 6 |
| T 7 | 19 24 32 | 20°22'44 | 17°18 | 8° 5 | 14°27 | 24°51 | 4°54 | 3°31 | 2° 9 | 0°42 | 6°48 | 28° 3 | 28°17 | 20°56 | 17°49 | T 7 |
| W 8 | 19 28 28 | 21°20'04 | 1♎39 | 7°55 | 15°37 | 25°32 | 5° 7 | 3°37 | 2°12 | 0°43 | 6°48 | 28° 4 | 28°14 | 21° 2 | 17°45 | W 8 |
| T 9 | 19 32 25 | 22°17'25 | 15°39 | 7°D50 | 16°47 | 26°13 | 5°20 | 3°43 | 2°15 | 0°44 | 6°49 | 28° 4 | 28°11 | 21° 9 | 17°42 | T 9 |
| F 10 | 19 36 21 | 23°14'46 | 29°18 | 7°52 | 17°58 | 26°53 | 5°33 | 3°50 | 2°18 | 0°45 | 6°49 | 28°R 4 | 28° 8 | 21°16 | 17°38 | F 10 |
| S 11 | 19 40 18 | 24°12'08 | 12♏36 | 7°59 | 19° 8 | 27°34 | 5°46 | 3°56 | 2°22 | 0°46 | 6°50 | 28° 4 | 28° 4 | 21°22 | 17°35 | S 11 |
| S 12 | 19 44 14 | 25° 9'30 | 25°35 | 8°13 | 20°19 | 28°14 | 5°59 | 4° 2 | 2°25 | 0°48 | 6°50 | 28° 3 | 28° 1 | 21°29 | 17°31 | S 12 |
| M13 | 19 48 11 | 26° 6'53 | 8♐18 | 8°33 | 21°29 | 28°54 | 6°12 | 4° 9 | 2°28 | 0°49 | 6°51 | 28° 3 | 27°58 | 21°36 | 17°28 | M13 |
| T 14 | 19 52 7 | 27° 4'17 | 20°46 | 8°59 | 22°40 | 29°35 | 6°25 | 4°15 | 2°31 | 0°50 | 6°51 | 28° 3 | 27°55 | 21°42 | 17°24 | T 14 |
| W15 | 19 56 4 | 28° 1'42 | 3♑ 3 | 9°32 | 23°51 | 0♊15 | 6°38 | 4°22 | 2°34 | 0°51 | 6°51 | 28°D 3 | 27°52 | 21°49 | 17°21 | W15 |
| T 16 | 20 0 1 | 28°59'07 | 15° 9 | 10°11 | 25° 2 | 0°55 | 6°51 | 4°28 | 2°38 | 0°52 | 6°52 | 28° 3 | 27°49 | 21°56 | 17°17 | T 16 |
| F 17 | 20 3 57 | 29°56'34 | 27° 8 | 10°57 | 26°13 | 1°35 | 7° 4 | 4°35 | 2°41 | 0°54 | 6°52 | 28°R 3 | 27°45 | 22° 2 | 17°14 | F 17 |
| S 18 | 20 7 54 | 0♌54'01 | 9♒ 1 | 11°49 | 27°24 | 2°15 | 7°17 | 4°41 | 2°44 | 0°55 | 6°52 | 28° 3 | 27°42 | 22° 9 | 17°11 | S 18 |
| S 19 | 20 11 50 | 1°51'30 | 20°50 | 12°46 | 28°35 | 2°54 | 7°30 | 4°48 | 2°48 | 0°56 | 6°52 | 28° 3 | 27°39 | 22°16 | 17° 7 | S 19 |
| M20 | 20 15 47 | 2°49'00 | 2♓39 | 13°50 | 29°46 | 3°34 | 7°43 | 4°55 | 2°51 | 0°58 | 6°53 | 28° 2 | 27°36 | 22°22 | 17° 4 | M20 |
| T 21 | 20 19 43 | 3°46'31 | 14°28 | 15° 0 | 0♋57 | 4°14 | 7°56 | 5° 1 | 2°54 | 0°59 | 6°53 | 28° 2 | 27°33 | 22°29 | 17° 1 | T 21 |
| W22 | 20 23 40 | 4°44'03 | 26°23 | 16°15 | 2° 8 | 4°53 | 8°10 | 5° 8 | 2°58 | 1° 0 | 6°53 | 28° 1 | 27°29 | 22°36 | 16°57 | W22 |
| T 23 | 20 27 36 | 5°41'37 | 8♈25 | 17°36 | 3°20 | 5°32 | 8°23 | 5°15 | 3° 1 | 1° 2 | 6°53 | 28° 0 | 27°26 | 22°42 | 16°54 | T 23 |
| F 24 | 20 31 33 | 6°39'12 | 20°39 | 19° 2 | 4°31 | 6°12 | 8°36 | 5°22 | 3° 5 | 1° 3 | 6°53 | 27°59 | 27°23 | 22°49 | 16°51 | F 24 |
| S 25 | 20 35 30 | 7°36'49 | 3♉ 8 | 20°32 | 5°43 | 6°51 | 8°49 | 5°29 | 3° 8 | 1° 5 | 6°54 | 27°D59 | 27°20 | 22°55 | 16°48 | S 25 |
| S 26 | 20 39 26 | 8°34'27 | 15°57 | 22° 7 | 6°54 | 7°30 | 9° 2 | 5°36 | 3°12 | 1° 6 | 6°54 | 27°59 | 27°17 | 23° 2 | 16°44 | S 26 |
| M27 | 20 43 23 | 9°32'07 | 29° 9 | 23°47 | 8° 6 | 8° 9 | 9°15 | 5°43 | 3°15 | 1° 8 | 6°54 | 27°59 | 27°14 | 23° 9 | 16°41 | M27 |
| T 28 | 20 47 19 | 10°29'48 | 12♊46 | 25°30 | 9°18 | 8°48 | 9°28 | 5°50 | 3°19 | 1° 9 | 6°54 | 28° 0 | 27°10 | 23°15 | 16°38 | T 28 |
| W29 | 20 51 16 | 11°27'32 | 26°50 | 27°17 | 10°30 | 9°27 | 9°42 | 5°57 | 3°22 | 1°11 | 6°54 | 28° 1 | 27° 7 | 23°22 | 16°35 | W29 |
| T 30 | 20 55 12 | 12°25'16 | 11♋19 | 29° 6 | 11°42 | 10° 5 | 9°55 | 6° 4 | 3°26 | 1°12 | 6°54 | 28° 2 | 27° 4 | 23°29 | 16°32 | T 30 |
| F 31 | 20 59 9 | 13♌23'03 | 26♋10 | 0♌58 | 12♋54 | 10♊44 | 10♌ 8 | 6♍11 | 3♍29 | 1♎14 | 6°R54 | 28°R 3 | 27♋ 1 | 23♒35 | 16♂29 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n45 | 19n43 | 3s22 | 18n17 | 4s51 | 19n54 | 1s46 | 17n22 | 0s41 | 20n 5 | 0n40 | 12n12 | 1n51 | 11n33 | 0n44 | 1n13 | 1n36 | 0s38 | 15s17 | 20n39 | 20n32 | 16s36 | 15s32 | 6n51 |
| T 2 | 22 38 | 21 17 | 2 14 | 18 22 | 4 49 | 20 8 | 1 44 | 17 34 | 0 40 | 20 2 | 0 40 | 12 10 | 1 51 | 11 32 | 0 44 | 1 13 | 1 36 | 0 38 | 15 17 | 20 39 | 20 33 | 16 35 | 15 32 | 6 51 |
| F 3 | 22 31 | 21 26 | 0 56 | 18 27 | 4 45 | 20 21 | 1 41 | 17 45 | 0 39 | 19 59 | 0 40 | 12 8 | 1 51 | 11 31 | 0 44 | 1 12 | 1 36 | 0 38 | 15 18 | 20 39 | 20 33 | 16 33 | 15 32 | 6 51 |
| S 4 | 22 24 | 20 3 | 0n27 | 18 34 | 4 40 | 20 33 | 1 39 | 17 56 | 0 39 | 19 56 | 0 40 | 12 5 | 1 50 | 11 30 | 0 44 | 1 12 | 1 36 | 0 38 | 15 18 | 20 39 | 20 34 | 16 32 | 15 33 | 6 51 |
| S 5 | 22 16 | 17 16 | 1 48 | 18 43 | 4 34 | 20 45 | 1 36 | 18 7 | 0 38 | 19 53 | 0 40 | 12 3 | 1 50 | 11 29 | 0 44 | 1 12 | 1 36 | 0 38 | 15 18 | 20 39 | 20 35 | 16 31 | 15 33 | 6 51 |
| M 6 | 22 8 | 13 23 | 3 1 | 18 52 | 4 26 | 20 57 | 1 34 | 18 18 | 0 37 | 19 50 | 0 40 | 12 1 | 1 50 | 11 28 | 0 44 | 1 11 | 1 36 | 0 38 | 15 18 | 20 39 | 20 35 | 16 29 | 15 34 | 6 51 |
| T 7 | 22 0 | 8 44 | 4 1 | 19 2 | 4 16 | 21 8 | 1 31 | 18 29 | 0 37 | 19 47 | 0 40 | 11 58 | 1 50 | 11 27 | 0 44 | 1 11 | 1 35 | 0 38 | 15 19 | 20 39 | 20 36 | 16 28 | 15 34 | 6 51 |
| W 8 | 21 51 | 3 41 | 4 45 | 19 13 | 4 6 | 21 18 | 1 29 | 18 39 | 0 36 | 19 44 | 0 40 | 11 56 | 1 50 | 11 26 | 0 44 | 1 10 | 1 35 | 0 39 | 15 19 | 20 39 | 20 37 | 16 27 | 15 35 | 6 51 |
| T 9 | 21 42 | 1s25 | 5 10 | 19 25 | 3 54 | 21 28 | 1 26 | 18 50 | 0 35 | 19 41 | 0 41 | 11 54 | 1 50 | 11 24 | 0 44 | 1 10 | 1 35 | 0 39 | 15 19 | 20 39 | 20 37 | 16 25 | 15 35 | 6 51 |
| F 10 | 21 32 | 6 19 | 5 17 | 19 38 | 3 42 | 21 37 | 1 23 | 19 0 | 0 34 | 19 38 | 0 41 | 11 52 | 1 50 | 11 23 | 0 44 | 1 9 | 1 35 | 0 39 | 15 19 | 20 39 | 20 38 | 16 24 | 15 35 | 6 51 |
| S 11 | 21 22 | 10 48 | 5 7 | 19 50 | 3 28 | 21 46 | 1 20 | 19 10 | 0 34 | 19 35 | 0 41 | 11 49 | 1 50 | 11 22 | 0 44 | 1 9 | 1 35 | 0 39 | 15 20 | 20 39 | 20 39 | 16 22 | 15 36 | 6 51 |
| S 12 | 21 12 | 14 41 | 4 42 | 20 4 | 3 14 | 21 54 | 1 18 | 19 20 | 0 33 | 19 31 | 0 41 | 11 47 | 1 50 | 11 21 | 0 44 | 1 8 | 1 35 | 0 39 | 15 20 | 20 39 | 20 39 | 16 21 | 15 36 | 6 51 |
| M13 | 21 2 | 17 48 | 4 3 | 20 17 | 3 0 | 22 2 | 1 15 | 19 29 | 0 32 | 19 28 | 0 41 | 11 44 | 1 50 | 11 20 | 0 44 | 1 8 | 1 35 | 0 39 | 15 20 | 20 39 | 20 40 | 16 20 | 15 37 | 6 51 |
| T 14 | 20 51 | 20 1 | 3 13 | 20 30 | 2 45 | 22 9 | 1 12 | 19 39 | 0 31 | 19 25 | 0 41 | 11 42 | 1 50 | 11 19 | 0 44 | 1 7 | 1 35 | 0 39 | 15 21 | 20 39 | 20 41 | 16 18 | 15 37 | 6 51 |
| W15 | 20 39 | 21 16 | 2 15 | 20 43 | 2 29 | 22 16 | 1 9 | 19 48 | 0 30 | 19 22 | 0 41 | 11 40 | 1 50 | 11 17 | 0 44 | 1 7 | 1 35 | 0 40 | 15 21 | 20 39 | 20 41 | 16 17 | 15 38 | 6 51 |
| T 16 | 20 27 | 21 31 | 1 11 | 20 56 | 2 14 | 22 21 | 1 6 | 19 57 | 0 30 | 19 18 | 0 41 | 11 37 | 1 50 | 11 16 | 0 44 | 1 6 | 1 35 | 0 40 | 15 21 | 20 39 | 20 42 | 16 15 | 15 38 | 6 50 |
| F 17 | 20 15 | 20 45 | 0 5 | 21 8 | 1 58 | 22 27 | 1 3 | 20 6 | 0 29 | 19 15 | 0 41 | 11 35 | 1 50 | 11 15 | 0 44 | 1 6 | 1 35 | 0 40 | 15 21 | 20 39 | 20 42 | 16 14 | 15 39 | 6 50 |
| S 18 | 20 3 | 19 4 | 1s 1 | 21 20 | 1 42 | 22 31 | 1 0 | 20 15 | 0 28 | 19 12 | 0 41 | 11 32 | 1 50 | 11 14 | 0 44 | 1 5 | 1 35 | 0 40 | 15 22 | 20 39 | 20 43 | 16 13 | 15 39 | 6 50 |
| S 19 | 19 50 | 16 34 | 2 3 | 21 30 | 1 27 | 22 35 | 0 57 | 20 24 | 0 27 | 19 9 | 0 41 | 11 30 | 1 50 | 11 13 | 0 44 | 1 5 | 1 35 | 0 40 | 15 22 | 20 39 | 20 44 | 16 11 | 15 40 | 6 50 |
| M20 | 19 37 | 13 23 | 3 1 | 21 39 | 1 11 | 22 39 | 0 54 | 20 32 | 0 26 | 19 5 | 0 41 | 11 27 | 1 50 | 11 11 | 0 44 | 1 4 | 1 35 | 0 41 | 15 22 | 20 39 | 20 44 | 16 10 | 15 41 | 6 50 |
| T 21 | 19 24 | 9 41 | 3 50 | 21 47 | 0 56 | 22 42 | 0 51 | 20 40 | 0 26 | 19 2 | 0 41 | 11 25 | 1 50 | 11 10 | 0 44 | 1 3 | 1 35 | 0 41 | 15 23 | 20 39 | 20 45 | 16 8 | 15 41 | 6 50 |
| W22 | 19 10 | 5 35 | 4 30 | 21 53 | 0 41 | 22 44 | 0 48 | 20 48 | 0 25 | 18 59 | 0 41 | 11 22 | 1 49 | 11 9 | 0 44 | 1 3 | 1 35 | 0 41 | 15 23 | 20 39 | 20 46 | 16 7 | 15 42 | 6 50 |
| T 23 | 18 56 | 1 13 | 4 59 | 21 57 | 0 26 | 22 45 | 0 45 | 20 56 | 0 24 | 18 55 | 0 41 | 11 20 | 1 49 | 11 8 | 0 44 | 1 2 | 1 35 | 0 41 | 15 23 | 20 40 | 20 46 | 16 5 | 15 42 | 6 50 |
| F 24 | 18 42 | 3n14 | 5 15 | 21 59 | 0 12 | 22 46 | 0 42 | 21 4 | 0 23 | 18 52 | 0 41 | 11 17 | 1 49 | 11 6 | 0 44 | 1 2 | 1 35 | 0 41 | 15 24 | 20 40 | 20 47 | 16 4 | 15 43 | 6 49 |
| S 25 | 18 27 | 7 40 | 5 16 | 22 0 | 0n 1 | 22 47 | 0 39 | 21 11 | 0 22 | 18 48 | 0 42 | 11 14 | 1 49 | 11 5 | 0 44 | 1 1 | 1 35 | 0 42 | 15 24 | 20 40 | 20 47 | 16 2 | 15 43 | 6 49 |
| S 26 | 18 12 | 11 52 | 5 2 | 21 57 | 0 14 | 22 46 | 0 36 | 21 19 | 0 21 | 18 45 | 0 42 | 11 12 | 1 49 | 11 4 | 0 44 | 1 0 | 1 35 | 0 42 | 15 24 | 20 40 | 20 48 | 16 1 | 15 44 | 6 49 |
| M27 | 17 57 | 15 38 | 4 32 | 21 52 | 0 26 | 22 45 | 0 33 | 21 26 | 0 21 | 18 42 | 0 42 | 11 9 | 1 49 | 11 2 | 0 44 | 1 0 | 1 35 | 0 42 | 15 24 | 20 40 | 20 49 | 16 0 | 15 44 | 6 49 |
| T 28 | 17 41 | 18 42 | 3 45 | 21 45 | 0 37 | 22 43 | 0 30 | 21 33 | 0 20 | 18 38 | 0 42 | 11 7 | 1 49 | 11 1 | 0 44 | 0 59 | 1 35 | 0 42 | 15 25 | 20 39 | 20 49 | 15 58 | 15 45 | 6 49 |
| W29 | 17 25 | 20 46 | 2 44 | 21 35 | 0 48 | 22 41 | 0 27 | 21 40 | 0 19 | 18 35 | 0 42 | 11 4 | 1 49 | 11 0 | 0 44 | 0 58 | 1 35 | 0 43 | 15 25 | 20 39 | 20 50 | 15 57 | 15 46 | 6 48 |
| T 30 | 17 9 | 21 33 | 1 31 | 21 22 | 0 58 | 22 38 | 0 24 | 21 46 | 0 18 | 18 31 | 0 42 | 11 1 | 1 49 | 10 59 | 0 44 | 0 58 | 1 35 | 0 43 | 15 25 | 20 39 | 20 51 | 15 55 | 15 46 | 6 48 |
| F 31 | 16n53 | 20n51 | 0s10 | 21n 7 | 1n 6 | 22n35 | 0s21 | 21n53 | 0s17 | 18n28 | 0n42 | 10n59 | 1n49 | 10n57 | 0n44 | 0n57 | 1n35 | 0s43 | 15s26 | 20n39 | 20n51 | 15s54 | 15s47 | 6n48 |

Julian Day Number = 2132145.5, Delta T = 16m25s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'54, Lahiri = 11°39'55 Julian Calendar 1 July 1125 == Greg. Calendar 8 July 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## AUGUST 1125 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 3 5 | 14♌20'51 | 11♌15 | 2♌53 | 14♋ 6 | 11♊22 | 10♌21 | 6♍18 | 3♍33 | 1♎16 | 6°R54 | 28°R 2 | 26♋58 | 23♒42 | 16°R26 | S 1 |
| S 2 | 21 7 2 | 15°18'40 | 26°27 | 4°49 | 15°18 | 12° 1 | 10°34 | 6°25 | 3°37 | 1°17 | 6♉54 | 28♋ 1 | 26°55 | 23°49 | 16♑23 | S 2 |
| M 3 | 21 10 59 | 16°16'31 | 11♍36 | 6°46 | 16°30 | 12°39 | 10°47 | 6°32 | 3°40 | 1°19 | 6°54 | 27°59 | 26°51 | 23°55 | 16°20 | M 3 |
| T 4 | 21 14 55 | 17°14'23 | 26°32 | 8°45 | 17°42 | 13°17 | 11° 0 | 6°39 | 3°44 | 1°21 | 6°54 | 27°57 | 26°48 | 24° 2 | 16°18 | T 4 |
| W 5 | 21 18 52 | 18°12'16 | 11♎ 8 | 10°44 | 18°54 | 13°55 | 11°14 | 6°46 | 3°48 | 1°22 | 6°54 | 27°54 | 26°45 | 24° 9 | 16°15 | W 5 |
| T 6 | 21 22 48 | 19°10'11 | 25°19 | 12°43 | 20° 7 | 14°33 | 11°27 | 6°54 | 3°51 | 1°24 | 6°54 | 27°52 | 26°42 | 24°15 | 16°12 | T 6 |
| F 7 | 21 26 45 | 20° 8'07 | 9♏ 3 | 14°43 | 21°19 | 15°10 | 11°40 | 7° 1 | 3°55 | 1°26 | 6°54 | 27°51 | 26°39 | 24°22 | 16° 9 | F 7 |
| S 8 | 21 30 41 | 21° 6'04 | 22°21 | 16°42 | 22°31 | 15°48 | 11°53 | 7° 8 | 3°59 | 1°28 | 6°53 | 27°D51 | 26°35 | 24°29 | 16° 7 | S 8 |
| S 9 | 21 34 38 | 22° 4'03 | 5♐16 | 18°41 | 23°44 | 16°26 | 12° 6 | 7°15 | 4° 2 | 1°30 | 6°53 | 27°51 | 26°32 | 24°35 | 16° 4 | S 9 |
| M10 | 21 38 34 | 23° 2'03 | 17°50 | 20°40 | 24°57 | 17° 3 | 12°19 | 7°23 | 4° 6 | 1°31 | 6°53 | 27°52 | 26°29 | 24°42 | 16° 2 | M10 |
| T 11 | 21 42 31 | 24° 0'04 | 0♑ 7 | 22°37 | 26° 9 | 17°40 | 12°32 | 7°30 | 4°10 | 1°33 | 6°53 | 27°54 | 26°26 | 24°49 | 15°59 | T 11 |
| W12 | 21 46 28 | 24°58'07 | 12°13 | 24°34 | 27°22 | 18°17 | 12°45 | 7°37 | 4°13 | 1°35 | 6°53 | 27°56 | 26°23 | 24°55 | 15°57 | W12 |
| T 13 | 21 50 24 | 25°56'11 | 24°10 | 26°30 | 28°35 | 18°54 | 12°58 | 7°45 | 4°17 | 1°37 | 6°52 | 27°R57 | 26°20 | 25° 2 | 15°55 | T 13 |
| F 14 | 21 54 21 | 26°54'17 | 6♒ 1 | 28°25 | 29°47 | 19°31 | 13°11 | 7°52 | 4°21 | 1°39 | 6°52 | 27°56 | 26°16 | 25° 9 | 15°52 | F 14 |
| S 15 | 21 58 17 | 27°52'25 | 17°50 | 0♍19 | 1♌ 0 | 20° 8 | 13°24 | 8° 0 | 4°25 | 1°41 | 6°52 | 27°55 | 26°13 | 25°15 | 15°50 | S 15 |
| S 16 | 22 2 14 | 28°50'34 | 29°39 | 2°12 | 2°13 | 20°45 | 13°37 | 8° 7 | 4°28 | 1°43 | 6°52 | 27°51 | 26°10 | 25°22 | 15°48 | S 16 |
| M17 | 22 6 10 | 29°48'45 | 11♓29 | 4° 4 | 3°26 | 21°21 | 13°50 | 8°14 | 4°32 | 1°45 | 6°51 | 27°47 | 26° 7 | 25°29 | 15°46 | M17 |
| T 18 | 22 10 7 | 0♍46'58 | 23°24 | 5°55 | 4°39 | 21°58 | 14° 2 | 8°22 | 4°36 | 1°47 | 6°51 | 27°41 | 26° 4 | 25°35 | 15°44 | T 18 |
| W19 | 22 14 3 | 1°45'12 | 5♈24 | 7°44 | 5°52 | 22°34 | 14°15 | 8°29 | 4°40 | 1°49 | 6°50 | 27°35 | 26° 1 | 25°42 | 15°42 | W19 |
| T 20 | 22 18 0 | 2°43'29 | 17°33 | 9°32 | 7° 6 | 23°10 | 14°28 | 8°37 | 4°43 | 1°51 | 6°50 | 27°29 | 25°57 | 25°49 | 15°40 | T 20 |
| F 21 | 22 21 57 | 3°41'48 | 29°51 | 11°20 | 8°19 | 23°46 | 14°41 | 8°44 | 4°47 | 1°53 | 6°50 | 27°24 | 25°54 | 25°55 | 15°38 | F 21 |
| S 22 | 22 25 53 | 4°40'09 | 12♉23 | 13° 6 | 9°32 | 24°22 | 14°54 | 8°52 | 4°51 | 1°55 | 6°49 | 27°20 | 25°51 | 26° 2 | 15°36 | S 22 |
| S 23 | 22 29 50 | 5°38'32 | 25°10 | 14°50 | 10°46 | 24°57 | 15° 6 | 8°59 | 4°55 | 1°57 | 6°49 | 27°18 | 25°48 | 26° 9 | 15°34 | S 23 |
| M24 | 22 33 46 | 6°36'57 | 8♊16 | 16°34 | 11°59 | 25°33 | 15°19 | 9° 6 | 4°59 | 1°59 | 6°48 | 27°D18 | 25°45 | 26°15 | 15°33 | M24 |
| T 25 | 22 37 43 | 7°35'24 | 21°45 | 18°17 | 13°12 | 26° 8 | 15°32 | 9°14 | 5° 2 | 2° 1 | 6°48 | 27°18 | 25°41 | 26°22 | 15°31 | T 25 |
| W26 | 22 41 39 | 8°33'54 | 5♋37 | 19°59 | 14°26 | 26°44 | 15°44 | 9°21 | 5° 6 | 2° 3 | 6°47 | 27°20 | 25°38 | 26°29 | 15°29 | W26 |
| T 27 | 22 45 36 | 9°32'26 | 19°54 | 21°39 | 15°39 | 27°19 | 15°57 | 9°29 | 5°10 | 2° 5 | 6°47 | 27°R21 | 25°35 | 26°35 | 15°28 | T 27 |
| F 28 | 22 49 32 | 10°31'00 | 4♌34 | 23°18 | 16°53 | 27°54 | 16° 9 | 9°36 | 5°14 | 2° 7 | 6°46 | 27°21 | 25°32 | 26°42 | 15°27 | F 28 |
| S 29 | 22 53 29 | 11°29'36 | 19°33 | 24°57 | 18° 7 | 28°29 | 16°22 | 9°44 | 5°17 | 2° 9 | 6°46 | 27°19 | 25°29 | 26°49 | 15°25 | S 29 |
| S 30 | 22 57 26 | 12°28'14 | 4♍43 | 26°34 | 19°21 | 29° 3 | 16°34 | 9°51 | 5°21 | 2°11 | 6°45 | 27°15 | 25°26 | 26°55 | 15°24 | S 30 |
| M31 | 23 1 22 | 13♍26'54 | 19♍55 | 28♍11 | 20♌34 | 29♊38 | 16♌47 | 9♍59 | 5♍25 | 2♎14 | 6♉44 | 27♋ 9 | 25♋22 | 27♒ 2 | 15♑23 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n36 | 18n38 | 1n13 | 20n49 | 1n14 | 22n30 | 0s18 | 21n59 | 0s16 | 18n24 | 0n42 | 10n56 | 1n49 | 10n56 | 0n44 | 0n56 | 1n35 | 0s43 | 15s26 | 20n39 | 20n52 | 15s52 | 15s47 | 6n48 |
| S 2 | 16 19 | 15 7 | 2 31 | 20 28 | 1 21 | 22 25 | 0 15 | 22 5 | 0 15 | 18 21 | 0 42 | 10 53 | 1 49 | 10 55 | 0 44 | 0 56 | 1 34 | 0 44 | 15 26 | 20 39 | 20 52 | 15 51 | 15 48 | 6 48 |
| M 3 | 16 2 | 10 36 | 3 38 | 20 5 | 1 27 | 22 20 | 0 12 | 22 11 | 0 14 | 18 17 | 0 42 | 10 51 | 1 49 | 10 53 | 0 44 | 0 55 | 1 34 | 0 44 | 15 26 | 20 40 | 20 53 | 15 49 | 15 48 | 6 47 |
| T 4 | 15 44 | 5 30 | 4 30 | 19 39 | 1 33 | 22 14 | 0 9 | 22 17 | 0 13 | 18 14 | 0 42 | 10 48 | 1 49 | 10 52 | 0 44 | 0 54 | 1 34 | 0 44 | 15 27 | 20 40 | 20 54 | 15 48 | 15 49 | 6 47 |
| W 5 | 15 27 | 0 13 | 5 2 | 19 11 | 1 37 | 22 7 | 0 6 | 22 22 | 0 12 | 18 10 | 0 42 | 10 45 | 1 49 | 10 51 | 0 44 | 0 54 | 1 34 | 0 45 | 15 27 | 20 41 | 20 54 | 15 46 | 15 50 | 6 47 |
| T 6 | 15 9 | 4s57 | 5 15 | 18 41 | 1 40 | 21 59 | 0 3 | 22 28 | 0 11 | 18 7 | 0 43 | 10 43 | 1 49 | 10 49 | 0 44 | 0 53 | 1 34 | 0 45 | 15 27 | 20 41 | 20 55 | 15 45 | 15 50 | 6 46 |
| F 7 | 14 50 | 9 41 | 5 9 | 18 8 | 1 43 | 21 51 | 0 0 | 22 33 | 0 11 | 18 3 | 0 43 | 10 40 | 1 49 | 10 48 | 0 44 | 0 52 | 1 34 | 0 45 | 15 28 | 20 41 | 20 55 | 15 43 | 15 51 | 6 46 |
| S 8 | 14 32 | 13 49 | 4 47 | 17 34 | 1 45 | 21 42 | 0n 3 | 22 38 | 0 10 | 17 59 | 0 43 | 10 37 | 1 49 | 10 47 | 0 44 | 0 51 | 1 34 | 0 46 | 15 28 | 20 41 | 20 56 | 15 42 | 15 51 | 6 46 |
| S 9 | 14 13 | 17 10 | 4 11 | 16 59 | 1 46 | 21 33 | 0 6 | 22 43 | 0 9 | 17 56 | 0 43 | 10 34 | 1 49 | 10 45 | 0 44 | 0 51 | 1 34 | 0 46 | 15 28 | 20 41 | 20 57 | 15 40 | 15 52 | 6 46 |
| M10 | 13 54 | 19 37 | 3 23 | 16 21 | 1 47 | 21 23 | 0 9 | 22 47 | 0 8 | 17 52 | 0 43 | 10 32 | 1 49 | 10 44 | 0 44 | 0 50 | 1 34 | 0 46 | 15 28 | 20 41 | 20 57 | 15 39 | 15 53 | 6 45 |
| T 11 | 13 35 | 21 6 | 2 27 | 15 43 | 1 46 | 21 12 | 0 11 | 22 52 | 0 7 | 17 49 | 0 43 | 10 29 | 1 49 | 10 42 | 0 44 | 0 49 | 1 34 | 0 47 | 15 29 | 20 41 | 20 58 | 15 37 | 15 53 | 6 45 |
| W12 | 13 16 | 21 34 | 1 25 | 15 3 | 1 46 | 21 1 | 0 14 | 22 56 | 0 6 | 17 45 | 0 43 | 10 26 | 1 49 | 10 41 | 0 44 | 0 48 | 1 34 | 0 47 | 15 29 | 20 40 | 20 59 | 15 36 | 15 54 | 6 45 |
| T 13 | 12 56 | 21 2 | 0 21 | 14 22 | 1 44 | 20 49 | 0 17 | 23 0 | 0 5 | 17 41 | 0 43 | 10 23 | 1 49 | 10 40 | 0 44 | 0 48 | 1 34 | 0 47 | 15 29 | 20 40 | 20 59 | 15 34 | 15 54 | 6 44 |
| F 14 | 12 36 | 19 34 | 0s44 | 13 40 | 1 42 | 20 37 | 0 20 | 23 4 | 0 4 | 17 38 | 0 43 | 10 21 | 1 49 | 10 38 | 0 44 | 0 47 | 1 34 | 0 48 | 15 30 | 20 40 | 21 0 | 15 33 | 15 55 | 6 44 |
| S 15 | 12 16 | 17 15 | 1 47 | 12 58 | 1 40 | 20 24 | 0 22 | 23 8 | 0 3 | 17 34 | 0 43 | 10 18 | 1 49 | 10 37 | 0 44 | 0 46 | 1 34 | 0 48 | 15 30 | 20 41 | 21 0 | 15 31 | 15 56 | 6 44 |
| S 16 | 11 56 | 14 13 | 2 45 | 12 14 | 1 37 | 20 10 | 0 25 | 23 12 | 0 2 | 17 31 | 0 43 | 10 15 | 1 49 | 10 36 | 0 44 | 0 45 | 1 34 | 0 48 | 15 30 | 20 41 | 21 1 | 15 29 | 15 56 | 6 43 |
| M17 | 11 35 | 10 37 | 3 36 | 11 31 | 1 33 | 19 56 | 0 28 | 23 15 | 0 1 | 17 27 | 0 44 | 10 12 | 1 49 | 10 34 | 0 44 | 0 44 | 1 34 | 0 49 | 15 30 | 20 42 | 21 2 | 15 28 | 15 57 | 6 43 |
| T 18 | 11 15 | 6 34 | 4 18 | 10 46 | 1 29 | 19 41 | 0 30 | 23 19 | 0n 0 | 17 23 | 0 44 | 10 10 | 1 49 | 10 33 | 0 44 | 0 44 | 1 34 | 0 49 | 15 31 | 20 43 | 21 2 | 15 26 | 15 57 | 6 43 |
| W19 | 10 54 | 2 15 | 4 48 | 10 1 | 1 25 | 19 25 | 0 33 | 23 22 | 0 1 | 17 20 | 0 44 | 10 7 | 1 49 | 10 31 | 0 44 | 0 43 | 1 34 | 0 49 | 15 31 | 20 44 | 21 3 | 15 25 | 15 58 | 6 42 |
| T 20 | 10 33 | 2n12 | 5 6 | 9 16 | 1 20 | 19 9 | 0 35 | 23 25 | 0 2 | 17 16 | 0 44 | 10 4 | 1 49 | 10 30 | 0 44 | 0 42 | 1 34 | 0 50 | 15 31 | 20 46 | 21 3 | 15 23 | 15 58 | 6 42 |
| F 21 | 10 12 | 6 37 | 5 11 | 8 31 | 1 15 | 18 53 | 0 38 | 23 28 | 0 4 | 17 12 | 0 44 | 10 1 | 1 49 | 10 29 | 0 44 | 0 41 | 1 34 | 0 50 | 15 31 | 20 47 | 21 4 | 15 22 | 15 59 | 6 41 |
| S 22 | 9 51 | 10 51 | 5 1 | 7 45 | 1 10 | 18 36 | 0 40 | 23 30 | 0 5 | 17 9 | 0 44 | 9 59 | 1 50 | 10 27 | 0 44 | 0 40 | 1 34 | 0 51 | 15 32 | 20 47 | 21 5 | 15 20 | 16 0 | 6 41 |
| S 23 | 9 29 | 14 41 | 4 35 | 6 59 | 1 5 | 18 18 | 0 43 | 23 33 | 0 6 | 17 5 | 0 44 | 9 56 | 1 50 | 10 26 | 0 44 | 0 40 | 1 34 | 0 51 | 15 32 | 20 48 | 21 5 | 15 19 | 16 0 | 6 41 |
| M24 | 9 7 | 17 55 | 3 55 | 6 14 | 0 59 | 18 0 | 0 45 | 23 35 | 0 7 | 17 1 | 0 44 | 9 53 | 1 50 | 10 25 | 0 44 | 0 39 | 1 34 | 0 51 | 15 32 | 20 48 | 21 6 | 15 17 | 16 1 | 6 40 |
| T 25 | 8 46 | 20 17 | 3 1 | 5 28 | 0 53 | 17 41 | 0 47 | 23 38 | 0 8 | 16 58 | 0 44 | 9 50 | 1 50 | 10 23 | 0 44 | 0 38 | 1 34 | 0 52 | 15 33 | 20 48 | 21 6 | 15 15 | 16 1 | 6 40 |
| W26 | 8 24 | 21 31 | 1 55 | 4 42 | 0 47 | 17 22 | 0 49 | 23 40 | 0 9 | 16 54 | 0 45 | 9 47 | 1 50 | 10 22 | 0 44 | 0 37 | 1 34 | 0 52 | 15 33 | 20 48 | 21 7 | 15 14 | 16 2 | 6 40 |
| T 27 | 8 2 | 21 24 | 0 40 | 3 56 | 0 40 | 17 2 | 0 52 | 23 41 | 0 10 | 16 51 | 0 45 | 9 45 | 1 50 | 10 20 | 0 44 | 0 36 | 1 34 | 0 53 | 15 33 | 20 47 | 21 7 | 15 12 | 16 2 | 6 39 |
| F 28 | 7 40 | 19 51 | 0n39 | 3 11 | 0 34 | 16 42 | 0 54 | 23 43 | 0 11 | 16 47 | 0 45 | 9 42 | 1 50 | 10 19 | 0 44 | 0 35 | 1 34 | 0 53 | 15 33 | 20 47 | 21 8 | 15 11 | 16 3 | 6 39 |
| S 29 | 7 17 | 16 53 | 1 57 | 2 26 | 0 27 | 16 22 | 0 56 | 23 45 | 0 12 | 16 43 | 0 45 | 9 39 | 1 50 | 10 18 | 0 44 | 0 34 | 1 34 | 0 53 | 15 34 | 20 48 | 21 9 | 15 9 | 16 4 | 6 38 |
| S 30 | 6 55 | 12 45 | 3 8 | 1 40 | 0 20 | 16 0 | 0 58 | 23 46 | 0 13 | 16 40 | 0 45 | 9 36 | 1 50 | 10 16 | 0 44 | 0 34 | 1 34 | 0 54 | 15 34 | 20 48 | 21 9 | 15 7 | 16 4 | 6 38 |
| M31 | 6n32 | 7n46 | 4n 6 | 0n56 | 0n13 | 15n39 | 1n 0 | 23n48 | 0n15 | 16n36 | 0n45 | 9n33 | 1n50 | 10n15 | 0n44 | 0n33 | 1n34 | 0s54 | 15s34 | 20n50 | 21n10 | 15s 6 | 16s 5 | 6n37 |

Julian Day Number = 2132176.5, Delta T = 16m25s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°32'59, Lahiri = 11°39'59 Julian Calendar 1 Aug. 1125 == Greg. Calendar 8 Aug. 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## SEPTEMBER 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 5 19 | 14♍25'36 | 4♎59 | 29♍46 | 21♌48 | 0♋12 | 16♌59 | 10♍ 6 | 5♍29 | 2♎16 | 6°R44 | 27°R 2 | 25♋19 | 27♒ 9 | 15°R22 | T 1 |
| W 2 | 23 9 15 | 15°24'20 | 19°45 | 1♎20 | 23° 2 | 0°46 | 17°11 | 10°14 | 5°32 | 2°18 | 6♉43 | 26♋55 | 25°16 | 27°15 | 15♂20 | W 2 |
| T 3 | 23 13 12 | 16°23'06 | 4♏ 6 | 2°54 | 24°16 | 1°20 | 17°24 | 10°21 | 5°36 | 2°20 | 6°43 | 26°48 | 25°13 | 27°22 | 15°19 | T 3 |
| F 4 | 23 17 8 | 17°21'54 | 17°58 | 4°26 | 25°30 | 1°54 | 17°36 | 10°29 | 5°40 | 2°22 | 6°42 | 26°43 | 25°10 | 27°29 | 15°19 | F 4 |
| S 5 | 23 21 5 | 18°20'43 | 1♐22 | 5°58 | 26°44 | 2°28 | 17°48 | 10°36 | 5°44 | 2°24 | 6°41 | 26°39 | 25° 6 | 27°35 | 15°18 | S 5 |
| S 6 | 23 25 1 | 19°19'34 | 14°18 | 7°28 | 27°58 | 3° 1 | 18° 0 | 10°43 | 5°47 | 2°27 | 6°41 | 26°D38 | 25° 3 | 27°42 | 15°17 | S 6 |
| M 7 | 23 28 58 | 20°18'27 | 26°51 | 8°58 | 29°12 | 3°35 | 18°12 | 10°51 | 5°51 | 2°29 | 6°40 | 26°38 | 25° 0 | 27°49 | 15°16 | M 7 |
| T 8 | 23 32 54 | 21°17'22 | 9♑ 5 | 10°26 | 0♍26 | 4° 8 | 18°24 | 10°58 | 5°55 | 2°31 | 6°39 | 26°39 | 24°57 | 27°55 | 15°16 | T 8 |
| W 9 | 23 36 51 | 22°16'19 | 21° 6 | 11°54 | 1°40 | 4°41 | 18°36 | 11° 6 | 5°58 | 2°33 | 6°38 | 26°R40 | 24°54 | 28° 2 | 15°15 | W 9 |
| T 10 | 23 40 48 | 23°15'17 | 2♒58 | 13°20 | 2°55 | 5°13 | 18°48 | 11°13 | 6° 2 | 2°35 | 6°38 | 26°39 | 24°51 | 28° 9 | 15°15 | T 10 |
| F 11 | 23 44 44 | 24°14'17 | 14°47 | 14°46 | 4° 9 | 5°46 | 19° 0 | 11°20 | 6° 6 | 2°38 | 6°37 | 26°38 | 24°47 | 28°15 | 15°14 | F 11 |
| S 12 | 23 48 41 | 25°13'19 | 26°35 | 16°10 | 5°23 | 6°18 | 19°12 | 11°28 | 6° 9 | 2°40 | 6°36 | 26°33 | 24°44 | 28°22 | 15°14 | S 12 |
| S 13 | 23 52 37 | 26°12'23 | 8♓25 | 17°34 | 6°38 | 6°51 | 19°23 | 11°35 | 6°13 | 2°42 | 6°35 | 26°27 | 24°41 | 28°29 | 15°14 | S 13 |
| M14 | 23 56 34 | 27°11'29 | 20°22 | 18°56 | 7°52 | 7°23 | 19°35 | 11°42 | 6°16 | 2°44 | 6°34 | 26°17 | 24°38 | 28°35 | 15°13 | M14 |
| T 15 | 0 0 30 | 28°10'37 | 2♈25 | 20°18 | 9° 6 | 7°55 | 19°47 | 11°50 | 6°20 | 2°46 | 6°34 | 26° 6 | 24°35 | 28°42 | 15°13 | T 15 |
| W16 | 0 4 27 | 29° 9'47 | 14°36 | 21°38 | 10°21 | 8°26 | 19°58 | 11°57 | 6°24 | 2°49 | 6°33 | 25°55 | 24°32 | 28°49 | 15°D13 | W16 |
| T 17 | 0 8 23 | 0♎ 8'59 | 26°56 | 22°57 | 11°35 | 8°58 | 20°10 | 12° 4 | 6°27 | 2°51 | 6°32 | 25°43 | 24°28 | 28°55 | 15°13 | T 17 |
| F 18 | 0 12 20 | 1° 8'14 | 9♉27 | 24°15 | 12°50 | 9°29 | 20°21 | 12°11 | 6°31 | 2°53 | 6°31 | 25°32 | 24°25 | 29° 2 | 15°13 | F 18 |
| S 19 | 0 16 17 | 2° 7'31 | 22° 8 | 25°31 | 14° 4 | 10° 0 | 20°32 | 12°18 | 6°34 | 2°55 | 6°30 | 25°24 | 24°22 | 29° 9 | 15°14 | S 19 |
| S 20 | 0 20 13 | 3° 6'50 | 5♊ 2 | 26°46 | 15°19 | 10°31 | 20°44 | 12°26 | 6°38 | 2°58 | 6°29 | 25°18 | 24°19 | 29°15 | 15°14 | S 20 |
| M21 | 0 24 10 | 4° 6'11 | 18°10 | 27°59 | 16°34 | 11° 1 | 20°55 | 12°33 | 6°41 | 3° 0 | 6°28 | 25°15 | 24°16 | 29°22 | 15°14 | M21 |
| T 22 | 0 28 6 | 5° 5'35 | 1♋34 | 29°11 | 17°48 | 11°32 | 21° 6 | 12°40 | 6°44 | 3° 2 | 6°27 | 25°D14 | 24°12 | 29°29 | 15°15 | T 22 |
| W23 | 0 32 3 | 6° 5'01 | 15°17 | 0♏21 | 19° 3 | 12° 2 | 21°17 | 12°47 | 6°48 | 3° 4 | 6°26 | 25°14 | 24° 9 | 29°35 | 15°15 | W23 |
| T 24 | 0 35 59 | 7° 4'30 | 29°20 | 1°30 | 20°18 | 12°32 | 21°28 | 12°54 | 6°51 | 3° 7 | 6°25 | 25°R14 | 24° 6 | 29°42 | 15°16 | T 24 |
| F 25 | 0 39 56 | 8° 4'01 | 13♌42 | 2°36 | 21°33 | 13° 1 | 21°39 | 13° 1 | 6°55 | 3° 9 | 6°24 | 25°13 | 24° 3 | 29°49 | 15°16 | F 25 |
| S 26 | 0 43 52 | 9° 3'34 | 28°23 | 3°40 | 22°48 | 13°31 | 21°50 | 13° 8 | 6°58 | 3°11 | 6°23 | 25° 9 | 24° 0 | 29°55 | 15°17 | S 26 |
| S 27 | 0 47 49 | 10° 3'09 | 13♍16 | 4°41 | 24° 2 | 14° 0 | 22° 0 | 13°15 | 7° 1 | 3°13 | 6°22 | 25° 3 | 23°57 | 0♓ 2 | 15°18 | S 27 |
| M28 | 0 51 46 | 11° 2'47 | 28°14 | 5°40 | 25°17 | 14°29 | 22°11 | 13°22 | 7° 5 | 3°15 | 6°21 | 24°54 | 23°53 | 0° 9 | 15°19 | M28 |
| T 29 | 0 55 42 | 12° 2'27 | 13♎10 | 6°36 | 26°32 | 14°57 | 22°22 | 13°29 | 7° 8 | 3°18 | 6°20 | 24°43 | 23°50 | 0°15 | 15°20 | T 29 |
| W30 | 0 59 39 | 13♎ 2'08 | 27♎52 | 7♏29 | 27♍47 | 15♋26 | 22♌32 | 13♍36 | 7♍11 | 3♎20 | 6♉19 | 24♋32 | 23♋47 | 0♓22 | 15♂21 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n10 | 2n23 | 4n46 | 0n11 | 0n 6 | 15n17 | 1n 2 | 23n49 | 0n16 | 16n32 | 0n45 | 9n31 | 1n50 | 10n13 | 0n44 | 0n32 | 1n34 | 0s55 | 15s34 | 20n51 | 21n10 | 15s 4 | 16s 5 | 6n37 |
| W 2 | 5 47 | 3s 3 | 5 5 | 0s33 | 0s 1 | 14 54 | 1 4 | 23 50 | 0 17 | 16 29 | 0 45 | 9 28 | 1 50 | 10 12 | 0 44 | 0 31 | 1 34 | 0 55 | 15 34 | 20 52 | 21 11 | 15 3 | 16 6 | 6 37 |
| T 3 | 5 24 | 8 9 | 5 5 | 1 17 | 0 9 | 14 31 | 1 5 | 23 51 | 0 18 | 16 25 | 0 46 | 9 25 | 1 50 | 10 11 | 0 44 | 0 30 | 1 34 | 0 55 | 15 35 | 20 54 | 21 12 | 15 1 | 16 6 | 6 36 |
| F 4 | 5 1 | 12 40 | 4 47 | 2 1 | 0 16 | 14 8 | 1 7 | 23 52 | 0 19 | 16 21 | 0 46 | 9 22 | 1 50 | 10 9 | 0 44 | 0 29 | 1 34 | 0 56 | 15 35 | 20 55 | 21 12 | 14 59 | 16 7 | 6 36 |
| S 5 | 4 38 | 16 24 | 4 13 | 2 44 | 0 24 | 13 44 | 1 9 | 23 52 | 0 20 | 16 18 | 0 46 | 9 20 | 1 50 | 10 8 | 0 44 | 0 28 | 1 34 | 0 56 | 15 35 | 20 55 | 21 13 | 14 58 | 16 7 | 6 35 |
| S 6 | 4 15 | 19 11 | 3 28 | 3 27 | 0 31 | 13 20 | 1 11 | 23 53 | 0 22 | 16 14 | 0 46 | 9 17 | 1 50 | 10 7 | 0 44 | 0 27 | 1 34 | 0 57 | 15 35 | 20 56 | 21 13 | 14 56 | 16 8 | 6 35 |
| M 7 | 3 51 | 20 58 | 2 33 | 4 9 | 0 38 | 12 56 | 1 12 | 23 53 | 0 23 | 16 11 | 0 46 | 9 14 | 1 50 | 10 5 | 0 44 | 0 27 | 1 34 | 0 57 | 15 36 | 20 56 | 21 14 | 14 55 | 16 8 | 6 34 |
| T 8 | 3 28 | 21 41 | 1 33 | 4 51 | 0 46 | 12 31 | 1 14 | 23 53 | 0 24 | 16 7 | 0 46 | 9 11 | 1 51 | 10 4 | 0 44 | 0 26 | 1 34 | 0 58 | 15 36 | 20 55 | 21 14 | 14 53 | 16 9 | 6 34 |
| W 9 | 3 5 | 21 24 | 0 30 | 5 33 | 0 53 | 12 6 | 1 15 | 23 53 | 0 25 | 16 3 | 0 46 | 9 9 | 1 51 | 10 3 | 0 44 | 0 25 | 1 34 | 0 58 | 15 36 | 20 55 | 21 15 | 14 51 | 16 10 | 6 33 |
| T 10 | 2 41 | 20 8 | 0s34 | 6 13 | 1 1 | 11 40 | 1 16 | 23 53 | 0 27 | 16 0 | 0 47 | 9 6 | 1 51 | 10 1 | 0 44 | 0 24 | 1 34 | 0 58 | 15 36 | 20 55 | 21 16 | 14 50 | 16 10 | 6 33 |
| F 11 | 2 18 | 18 0 | 1 36 | 6 54 | 1 8 | 11 14 | 1 18 | 23 53 | 0 28 | 15 56 | 0 47 | 9 3 | 1 51 | 10 0 | 0 44 | 0 23 | 1 34 | 0 59 | 15 36 | 20 56 | 21 16 | 14 48 | 16 11 | 6 33 |
| S 12 | 1 54 | 15 7 | 2 33 | 7 33 | 1 16 | 10 48 | 1 19 | 23 53 | 0 29 | 15 53 | 0 47 | 9 0 | 1 51 | 9 59 | 0 44 | 0 22 | 1 34 | 0 59 | 15 37 | 20 57 | 21 17 | 14 46 | 16 11 | 6 32 |
| S 13 | 1 31 | 11 36 | 3 24 | 8 12 | 1 23 | 10 22 | 1 20 | 23 53 | 0 30 | 15 49 | 0 47 | 8 58 | 1 51 | 9 57 | 0 44 | 0 21 | 1 34 | 1 0 | 15 37 | 20 58 | 21 17 | 14 45 | 16 11 | 6 32 |
| M14 | 1 7 | 7 36 | 4 6 | 8 51 | 1 30 | 9 55 | 1 21 | 23 52 | 0 32 | 15 46 | 0 47 | 8 55 | 1 51 | 9 56 | 0 44 | 0 20 | 1 34 | 1 0 | 15 37 | 21 0 | 21 18 | 14 43 | 16 12 | 6 31 |
| T 15 | 0 44 | 3 17 | 4 38 | 9 28 | 1 37 | 9 28 | 1 22 | 23 52 | 0 33 | 15 42 | 0 47 | 8 52 | 1 51 | 9 55 | 0 44 | 0 20 | 1 34 | 1 1 | 15 37 | 21 2 | 21 18 | 14 41 | 16 12 | 6 31 |
| W16 | 0 20 | 1n13 | 4 57 | 10 5 | 1 45 | 9 0 | 1 23 | 23 51 | 0 34 | 15 39 | 0 47 | 8 50 | 1 51 | 9 53 | 0 44 | 0 19 | 1 34 | 1 1 | 15 37 | 21 4 | 21 19 | 14 40 | 16 13 | 6 30 |
| T 17 | 0s 4 | 5 43 | 5 3 | 10 41 | 1 51 | 8 33 | 1 24 | 23 50 | 0 36 | 15 35 | 0 48 | 8 47 | 1 51 | 9 52 | 0 44 | 0 18 | 1 34 | 1 1 | 15 38 | 21 6 | 21 20 | 14 38 | 16 13 | 6 30 |
| F 18 | 0 27 | 10 3 | 4 54 | 11 16 | 1 58 | 8 5 | 1 25 | 23 50 | 0 37 | 15 32 | 0 48 | 8 44 | 1 51 | 9 51 | 0 44 | 0 17 | 1 34 | 1 2 | 15 38 | 21 8 | 21 20 | 14 36 | 16 14 | 6 29 |
| S 19 | 0 51 | 14 1 | 4 31 | 11 51 | 2 5 | 7 37 | 1 26 | 23 49 | 0 38 | 15 28 | 0 48 | 8 42 | 1 52 | 9 49 | 0 44 | 0 16 | 1 34 | 1 2 | 15 38 | 21 10 | 21 21 | 14 35 | 16 14 | 6 29 |
| S 20 | 1 15 | 17 24 | 3 54 | 12 24 | 2 11 | 7 8 | 1 26 | 23 48 | 0 40 | 15 25 | 0 48 | 8 39 | 1 52 | 9 48 | 0 44 | 0 15 | 1 34 | 1 3 | 15 38 | 21 11 | 21 21 | 14 33 | 16 15 | 6 28 |
| M21 | 1 38 | 19 59 | 3 4 | 12 57 | 2 18 | 6 40 | 1 27 | 23 46 | 0 41 | 15 21 | 0 48 | 8 36 | 1 52 | 9 47 | 0 44 | 0 14 | 1 34 | 1 3 | 15 38 | 21 11 | 21 22 | 14 31 | 16 15 | 6 28 |
| T 22 | 2 2 | 21 30 | 2 2 | 13 28 | 2 24 | 6 11 | 1 28 | 23 45 | 0 42 | 15 18 | 0 48 | 8 34 | 1 52 | 9 46 | 0 44 | 0 13 | 1 34 | 1 4 | 15 38 | 21 11 | 21 22 | 14 30 | 16 16 | 6 27 |
| W23 | 2 26 | 21 48 | 0 53 | 13 59 | 2 29 | 5 42 | 1 28 | 23 44 | 0 44 | 15 14 | 0 49 | 8 31 | 1 52 | 9 44 | 0 44 | 0 12 | 1 34 | 1 4 | 15 38 | 21 11 | 21 23 | 14 28 | 16 16 | 6 27 |
| T 24 | 2 49 | 20 44 | 0n22 | 14 28 | 2 35 | 5 13 | 1 28 | 23 43 | 0 45 | 15 11 | 0 49 | 8 28 | 1 52 | 9 43 | 0 44 | 0 12 | 1 34 | 1 4 | 15 39 | 21 11 | 21 24 | 14 26 | 16 16 | 6 26 |
| F 25 | 3 13 | 18 20 | 1 36 | 14 56 | 2 40 | 4 44 | 1 29 | 23 41 | 0 47 | 15 8 | 0 49 | 8 26 | 1 52 | 9 42 | 0 44 | 0 11 | 1 34 | 1 5 | 15 39 | 21 12 | 21 24 | 14 24 | 16 17 | 6 26 |
| S 26 | 3 36 | 14 41 | 2 46 | 15 23 | 2 45 | 4 14 | 1 29 | 23 40 | 0 48 | 15 4 | 0 49 | 8 23 | 1 52 | 9 41 | 0 44 | 0 10 | 1 34 | 1 5 | 15 39 | 21 12 | 21 25 | 14 23 | 16 17 | 6 26 |
| S 27 | 4 0 | 10 4 | 3 45 | 15 48 | 2 50 | 3 45 | 1 29 | 23 38 | 0 50 | 15 1 | 0 49 | 8 21 | 1 53 | 9 39 | 0 44 | 0 9 | 1 34 | 1 6 | 15 39 | 21 13 | 21 25 | 14 21 | 16 18 | 6 25 |
| M28 | 4 23 | 4 49 | 4 30 | 16 12 | 2 54 | 3 15 | 1 29 | 23 37 | 0 51 | 14 58 | 0 49 | 8 18 | 1 53 | 9 38 | 0 44 | 0 8 | 1 34 | 1 6 | 15 39 | 21 15 | 21 26 | 14 19 | 16 18 | 6 25 |
| T 29 | 4 47 | 0s41 | 4 55 | 16 34 | 2 57 | 2 45 | 1 30 | 23 35 | 0 53 | 14 54 | 0 50 | 8 16 | 1 53 | 9 37 | 0 44 | 0 7 | 1 34 | 1 7 | 15 39 | 21 17 | 21 26 | 14 18 | 16 18 | 6 24 |
| W30 | 5s10 | 6s 5 | 5n 1 | 16s55 | 3s 1 | 2n15 | 1n30 | 23n33 | 0n54 | 14n51 | 0n50 | 8n13 | 1n53 | 9n36 | 0n44 | 0n 6 | 1n34 | 1s 7 | 15s39 | 21n19 | 21n27 | 14s16 | 16s19 | 6n24 |

Julian Day Number = 2132207.5, Delta T = 16m24s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'03, Lahiri = 11°40'03 Julian Calendar 1 Sept. 1125 == Greg. Calendar 8 Sept. 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## OCTOBER 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 3 35 | 14♎ 1'52 | 12♏14 | 8♏18 | 29♍ 2 | 15♋54 | 22♌42 | 13♍42 | 7♍14 | 3♎22 | 6°R18 | 24°R21 | 23♋44 | 0♓29 | 15♉22 | T 1 |
| F 2 | 1 7 32 | 15° 1'38 | 26°10 | 9° 4 | 0♎17 | 16°22 | 22°53 | 13°49 | 7°18 | 3°24 | 6♉17 | 24♋11 | 23°41 | 0°35 | 15°23 | F 2 |
| S 3 | 1 11 28 | 16° 1'25 | 9♐37 | 9°45 | 1°32 | 16°49 | 23° 3 | 13°56 | 7°21 | 3°27 | 6°16 | 24° 4 | 23°38 | 0°42 | 15°24 | S 3 |
| S 4 | 1 15 25 | 17° 1'15 | 22°38 | 10°21 | 2°47 | 17°16 | 23°13 | 14° 3 | 7°24 | 3°29 | 6°15 | 24° 0 | 23°34 | 0°49 | 15°25 | S 4 |
| M 5 | 1 19 21 | 18° 1'06 | 5♑13 | 10°52 | 4° 2 | 17°43 | 23°23 | 14° 9 | 7°27 | 3°31 | 6°14 | 23°58 | 23°31 | 0°55 | 15°27 | M 5 |
| T 6 | 1 23 18 | 19° 0'59 | 17°29 | 11°17 | 5°17 | 18°10 | 23°33 | 14°16 | 7°30 | 3°33 | 6°13 | 23°58 | 23°28 | 1° 2 | 15°28 | T 6 |
| W 7 | 1 27 15 | 20° 0'53 | 29°30 | 11°35 | 6°32 | 18°37 | 23°43 | 14°22 | 7°33 | 3°35 | 6°12 | 23°58 | 23°25 | 1° 9 | 15°30 | W 7 |
| T 8 | 1 31 11 | 21° 0'49 | 11♒22 | 11°47 | 7°48 | 19° 3 | 23°52 | 14°29 | 7°36 | 3°37 | 6°11 | 23°57 | 23°22 | 1°15 | 15°31 | T 8 |
| F 9 | 1 35 8 | 22° 0'47 | 23°10 | 11°R51 | 9° 3 | 19°28 | 24° 2 | 14°35 | 7°39 | 3°40 | 6°10 | 23°54 | 23°18 | 1°22 | 15°33 | F 9 |
| S 10 | 1 39 4 | 23° 0'46 | 5♓ 0 | 11°47 | 10°18 | 19°54 | 24°11 | 14°42 | 7°42 | 3°42 | 6° 9 | 23°49 | 23°15 | 1°29 | 15°35 | S 10 |
| S 11 | 1 43 1 | 24° 0'48 | 16°54 | 11°34 | 11°33 | 20°19 | 24°21 | 14°48 | 7°45 | 3°44 | 6° 8 | 23°41 | 23°12 | 1°35 | 15°37 | S 11 |
| M12 | 1 46 57 | 25° 0'51 | 28°57 | 11°12 | 12°48 | 20°44 | 24°30 | 14°55 | 7°48 | 3°46 | 6° 7 | 23°30 | 23° 9 | 1°42 | 15°39 | M12 |
| T 13 | 1 50 54 | 26° 0'55 | 11♈10 | 10°40 | 14° 3 | 21° 8 | 24°39 | 15° 1 | 7°51 | 3°48 | 6° 6 | 23°17 | 23° 6 | 1°49 | 15°41 | T 13 |
| W14 | 1 54 50 | 27° 1'02 | 23°35 | 9°59 | 15°19 | 21°32 | 24°48 | 15° 7 | 7°53 | 3°50 | 6° 4 | 23° 3 | 23° 3 | 1°56 | 15°43 | W14 |
| T 15 | 1 58 47 | 28° 1'10 | 6♉12 | 9° 9 | 16°34 | 21°56 | 24°57 | 15°13 | 7°56 | 3°52 | 6° 3 | 22°49 | 22°59 | 2° 2 | 15°45 | T 15 |
| F 16 | 2 2 43 | 29° 1'20 | 19° 0 | 8°10 | 17°49 | 22°20 | 25° 6 | 15°19 | 7°59 | 3°54 | 6° 2 | 22°37 | 22°56 | 2° 9 | 15°47 | F 16 |
| S 17 | 2 6 40 | 0♏ 1'33 | 2♊ 0 | 7° 3 | 19° 5 | 22°43 | 25°14 | 15°25 | 8° 1 | 3°56 | 6° 1 | 22°26 | 22°53 | 2°16 | 15°49 | S 17 |
| S 18 | 2 10 37 | 1° 1'47 | 15°11 | 5°50 | 20°20 | 23° 5 | 25°23 | 15°31 | 8° 4 | 3°58 | 6° 0 | 22°19 | 22°50 | 2°22 | 15°51 | S 18 |
| M19 | 2 14 33 | 2° 2'03 | 28°32 | 4°33 | 21°35 | 23°28 | 25°31 | 15°37 | 8° 7 | 4° 1 | 5°59 | 22°15 | 22°47 | 2°29 | 15°54 | M19 |
| T 20 | 2 18 30 | 3° 2'21 | 12♋ 4 | 3°13 | 22°50 | 23°50 | 25°40 | 15°43 | 8° 9 | 4° 3 | 5°58 | 22°13 | 22°43 | 2°36 | 15°56 | T 20 |
| W21 | 2 22 26 | 4° 2'42 | 25°47 | 1°54 | 24° 6 | 24°11 | 25°48 | 15°49 | 8°12 | 4° 5 | 5°57 | 22°D13 | 22°40 | 2°42 | 15°59 | W21 |
| T 22 | 2 26 23 | 5° 3'04 | 9♌43 | 0°38 | 25°21 | 24°32 | 25°56 | 15°55 | 8°14 | 4° 7 | 5°55 | 22°R13 | 22°37 | 2°49 | 16° 1 | T 22 |
| F 23 | 2 30 19 | 6° 3'28 | 23°52 | 29♎28 | 26°37 | 24°53 | 26° 4 | 16° 0 | 8°17 | 4° 9 | 5°54 | 22°12 | 22°34 | 2°56 | 16° 4 | F 23 |
| S 24 | 2 34 16 | 7° 3'55 | 8♍12 | 28°25 | 27°52 | 25°13 | 26°12 | 16° 6 | 8°19 | 4°10 | 5°53 | 22° 8 | 22°31 | 3° 2 | 16° 7 | S 24 |
| S 25 | 2 38 12 | 8° 4'23 | 22°41 | 27°32 | 29° 7 | 25°33 | 26°20 | 16°12 | 8°21 | 4°12 | 5°52 | 22° 2 | 22°28 | 3° 9 | 16°10 | S 25 |
| M26 | 2 42 9 | 9° 4'53 | 7♎14 | 26°49 | 0♏23 | 25°53 | 26°27 | 16°17 | 8°24 | 4°14 | 5°51 | 21°54 | 22°24 | 3°16 | 16°12 | M26 |
| T 27 | 2 46 6 | 10° 5'25 | 21°46 | 26°18 | 1°38 | 26°12 | 26°34 | 16°22 | 8°26 | 4°16 | 5°50 | 21°43 | 22°21 | 3°22 | 16°15 | T 27 |
| W28 | 2 50 2 | 11° 5'58 | 6♏ 9 | 25°58 | 2°54 | 26°30 | 26°42 | 16°28 | 8°28 | 4°18 | 5°49 | 21°32 | 22°18 | 3°29 | 16°18 | W28 |
| T 29 | 2 53 59 | 12° 6'34 | 20°17 | 25°D50 | 4° 9 | 26°48 | 26°49 | 16°33 | 8°30 | 4°20 | 5°48 | 21°20 | 22°15 | 3°36 | 16°21 | T 29 |
| F 30 | 2 57 55 | 13° 7'10 | 4♐ 4 | 25°53 | 5°25 | 27° 6 | 26°56 | 16°38 | 8°33 | 4°22 | 5°46 | 21°11 | 22°12 | 3°42 | 16°24 | F 30 |
| S 31 | 3 1 52 | 14♏ 7'49 | 17♐28 | 26♎ 7 | 6♏40 | 27♋23 | 27♌ 3 | 16♍43 | 8♍35 | 4♎24 | 5♉45 | 21♋ 4 | 22♋ 9 | 3♓49 | 16♑27 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s34 | 11s 2 | 4n47 | 17s14 | 3s 3 | 1n45 | 1n29 | 23n31 | 0n56 | 14n48 | 0n50 | 8n11 | 1n53 | 9n35 | 0n44 | 0n 5 | 1n34 | 1s 7 | 15s39 | 21n21 | 21n27 | 14s14 | 16s19 | 6n23 |
| F 2 | 5 57 | 15 14 | 4 16 | 17 30 | 3 5 | 1 15 | 1 29 | 23 29 | 0 57 | 14 45 | 0 50 | 8 8 | 1 53 | 9 33 | 0 44 | 0 5 | 1 34 | 1 8 | 15 40 | 21 23 | 21 28 | 14 12 | 16 19 | 6 23 |
| S 3 | 6 20 | 18 30 | 3 32 | 17 45 | 3 6 | 0 45 | 1 29 | 23 28 | 0 59 | 14 41 | 0 50 | 8 6 | 1 53 | 9 32 | 0 44 | 0 4 | 1 34 | 1 8 | 15 40 | 21 24 | 21 28 | 14 11 | 16 20 | 6 22 |
| S 4 | 6 43 | 20 43 | 2 38 | 17 57 | 3 7 | 0 15 | 1 29 | 23 26 | 1 0 | 14 38 | 0 50 | 8 3 | 1 54 | 9 31 | 0 44 | 0 3 | 1 34 | 1 9 | 15 40 | 21 25 | 21 29 | 14 9 | 16 20 | 6 22 |
| M 5 | 7 6 | 21 49 | 1 38 | 18 6 | 3 6 | 0s16 | 1 29 | 23 24 | 1 2 | 14 35 | 0 51 | 8 1 | 1 54 | 9 30 | 0 44 | 0 2 | 1 34 | 1 9 | 15 40 | 21 25 | 21 30 | 14 7 | 16 20 | 6 21 |
| T 6 | 7 29 | 21 50 | 0 34 | 18 13 | 3 5 | 0 46 | 1 28 | 23 22 | 1 4 | 14 32 | 0 51 | 7 58 | 1 54 | 9 29 | 0 44 | 0 1 | 1 34 | 1 9 | 15 40 | 21 25 | 21 30 | 14 5 | 16 21 | 6 21 |
| W 7 | 7 52 | 20 50 | 0s29 | 18 16 | 3 3 | 1 16 | 1 28 | 23 20 | 1 5 | 14 29 | 0 51 | 7 56 | 1 54 | 9 28 | 0 44 | 0 0 | 1 34 | 1 10 | 15 40 | 21 25 | 21 31 | 14 4 | 16 21 | 6 20 |
| T 8 | 8 14 | 18 54 | 1 31 | 18 17 | 2 59 | 1 46 | 1 27 | 23 18 | 1 7 | 14 26 | 0 51 | 7 53 | 1 54 | 9 27 | 0 44 | 0s 1 | 1 34 | 1 10 | 15 40 | 21 25 | 21 31 | 14 2 | 16 21 | 6 20 |
| F 9 | 8 37 | 16 11 | 2 28 | 18 13 | 2 54 | 2 17 | 1 27 | 23 16 | 1 8 | 14 23 | 0 51 | 7 51 | 1 54 | 9 26 | 0 44 | 0 1 | 1 34 | 1 11 | 15 40 | 21 26 | 21 32 | 14 0 | 16 21 | 6 20 |
| S 10 | 8 59 | 12 48 | 3 19 | 18 6 | 2 48 | 2 47 | 1 26 | 23 13 | 1 10 | 14 20 | 0 52 | 7 49 | 1 55 | 9 25 | 0 44 | 0 2 | 1 34 | 1 11 | 15 40 | 21 26 | 21 32 | 13 58 | 16 22 | 6 19 |
| S 11 | 9 22 | 8 54 | 4 1 | 17 55 | 2 40 | 3 17 | 1 25 | 23 11 | 1 12 | 14 17 | 0 52 | 7 46 | 1 55 | 9 23 | 0 45 | 0 3 | 1 34 | 1 11 | 15 40 | 21 28 | 21 33 | 13 57 | 16 22 | 6 19 |
| M12 | 9 44 | 4 36 | 4 33 | 17 39 | 2 31 | 3 47 | 1 24 | 23 9 | 1 14 | 14 14 | 0 52 | 7 44 | 1 55 | 9 22 | 0 45 | 0 4 | 1 34 | 1 12 | 15 40 | 21 30 | 21 33 | 13 55 | 16 22 | 6 18 |
| T 13 | 10 6 | 0 3 | 4 53 | 17 18 | 2 20 | 4 17 | 1 24 | 23 7 | 1 15 | 14 11 | 0 52 | 7 42 | 1 55 | 9 21 | 0 45 | 0 5 | 1 34 | 1 12 | 15 40 | 21 32 | 21 34 | 13 53 | 16 22 | 6 18 |
| W14 | 10 27 | 4n33 | 5 0 | 16 53 | 2 7 | 4 47 | 1 23 | 23 5 | 1 17 | 14 8 | 0 52 | 7 40 | 1 55 | 9 20 | 0 45 | 0 6 | 1 34 | 1 13 | 15 40 | 21 34 | 21 34 | 13 51 | 16 23 | 6 17 |
| T 15 | 10 49 | 9 3 | 4 52 | 16 23 | 1 52 | 5 17 | 1 22 | 23 3 | 1 19 | 14 6 | 0 53 | 7 37 | 1 55 | 9 19 | 0 45 | 0 6 | 1 34 | 1 13 | 15 40 | 21 37 | 21 35 | 13 50 | 16 23 | 6 17 |
| F 16 | 11 11 | 13 14 | 4 29 | 15 48 | 1 36 | 5 47 | 1 21 | 23 1 | 1 21 | 14 3 | 0 53 | 7 35 | 1 56 | 9 18 | 0 45 | 0 7 | 1 34 | 1 13 | 15 40 | 21 39 | 21 35 | 13 48 | 16 23 | 6 16 |
| S 17 | 11 32 | 16 52 | 3 52 | 15 9 | 1 18 | 6 17 | 1 19 | 22 59 | 1 22 | 14 0 | 0 53 | 7 33 | 1 56 | 9 17 | 0 45 | 0 8 | 1 34 | 1 14 | 15 40 | 21 40 | 21 36 | 13 46 | 16 23 | 6 16 |
| S 18 | 11 53 | 19 42 | 3 2 | 14 27 | 0 59 | 6 46 | 1 18 | 22 57 | 1 24 | 13 57 | 0 53 | 7 31 | 1 56 | 9 16 | 0 45 | 0 9 | 1 34 | 1 14 | 15 40 | 21 42 | 21 37 | 13 44 | 16 23 | 6 16 |
| M19 | 12 14 | 21 31 | 2 2 | 13 42 | 0 39 | 7 16 | 1 17 | 22 55 | 1 26 | 13 55 | 0 53 | 7 29 | 1 56 | 9 15 | 0 45 | 0 10 | 1 34 | 1 14 | 15 40 | 21 42 | 21 37 | 13 42 | 16 23 | 6 15 |
| T 20 | 12 35 | 22 7 | 0 53 | 12 56 | 0 18 | 7 45 | 1 16 | 22 53 | 1 28 | 13 52 | 0 54 | 7 27 | 1 56 | 9 15 | 0 45 | 0 10 | 1 34 | 1 15 | 15 40 | 21 43 | 21 38 | 13 41 | 16 24 | 6 15 |
| W21 | 12 56 | 21 24 | 0n19 | 12 9 | 0n 2 | 8 14 | 1 15 | 22 51 | 1 30 | 13 49 | 0 54 | 7 24 | 1 57 | 9 14 | 0 45 | 0 11 | 1 34 | 1 15 | 15 40 | 21 43 | 21 38 | 13 39 | 16 24 | 6 14 |
| T 22 | 13 16 | 19 22 | 1 31 | 11 24 | 0 23 | 8 43 | 1 13 | 22 49 | 1 32 | 13 47 | 0 54 | 7 22 | 1 57 | 9 13 | 0 45 | 0 12 | 1 34 | 1 15 | 15 40 | 21 43 | 21 39 | 13 37 | 16 24 | 6 14 |
| F 23 | 13 36 | 16 8 | 2 39 | 10 40 | 0 42 | 9 12 | 1 12 | 22 47 | 1 34 | 13 44 | 0 54 | 7 20 | 1 57 | 9 12 | 0 45 | 0 13 | 1 34 | 1 16 | 15 40 | 21 43 | 21 39 | 13 35 | 16 24 | 6 13 |
| S 24 | 13 56 | 11 54 | 3 38 | 10 1 | 1 1 | 9 40 | 1 10 | 22 45 | 1 36 | 13 42 | 0 55 | 7 18 | 1 57 | 9 11 | 0 45 | 0 13 | 1 35 | 1 16 | 15 40 | 21 43 | 21 40 | 13 33 | 16 24 | 6 13 |
| S 25 | 14 16 | 6 57 | 4 23 | 9 26 | 1 17 | 10 9 | 1 9 | 22 44 | 1 38 | 13 40 | 0 55 | 7 16 | 1 57 | 9 10 | 0 45 | 0 14 | 1 35 | 1 16 | 15 40 | 21 44 | 21 40 | 13 32 | 16 24 | 6 13 |
| M26 | 14 35 | 1 35 | 4 52 | 8 57 | 1 32 | 10 37 | 1 7 | 22 42 | 1 40 | 13 37 | 0 55 | 7 14 | 1 58 | 9 9 | 0 45 | 0 15 | 1 35 | 1 17 | 15 40 | 21 46 | 21 41 | 13 30 | 16 24 | 6 12 |
| T 27 | 14 55 | 3s51 | 5 2 | 8 33 | 1 46 | 11 4 | 1 6 | 22 40 | 1 42 | 13 35 | 0 55 | 7 12 | 1 58 | 9 8 | 0 45 | 0 16 | 1 35 | 1 17 | 15 40 | 21 47 | 21 41 | 13 28 | 16 24 | 6 12 |
| W28 | 15 14 | 9 2 | 4 52 | 8 16 | 1 57 | 11 32 | 1 4 | 22 39 | 1 44 | 13 33 | 0 55 | 7 11 | 1 58 | 9 8 | 0 45 | 0 16 | 1 35 | 1 17 | 15 40 | 21 49 | 21 42 | 13 26 | 16 24 | 6 11 |
| T 29 | 15 32 | 13 39 | 4 25 | 8 4 | 2 6 | 11 59 | 1 2 | 22 37 | 1 46 | 13 30 | 0 56 | 7 9 | 1 58 | 9 7 | 0 45 | 0 17 | 1 35 | 1 18 | 15 40 | 21 51 | 21 42 | 13 24 | 16 24 | 6 11 |
| F 30 | 15 51 | 17 25 | 3 42 | 7 59 | 2 13 | 12 26 | 1 0 | 22 36 | 1 48 | 13 28 | 0 56 | 7 7 | 1 58 | 9 6 | 0 45 | 0 18 | 1 35 | 1 18 | 15 40 | 21 52 | 21 43 | 13 22 | 16 24 | 6 11 |
| S 31 | 16s 9 | 20s10 | 2n48 | 7s59 | 2n19 | 12s53 | 0n59 | 22n35 | 1n50 | 13n26 | 0n56 | 7n 5 | 1n59 | 9n 5 | 0n45 | 0s18 | 1n35 | 1s18 | 15s40 | 21n54 | 21n43 | 13s21 | 16s24 | 6n10 |

Julian Day Number = 2132237.5, Delta T = 16m24s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'07, Lahiri = 11°40'07 Julian Calendar 1 Oct. 1125 == Greg. Calendar 8 Oct. 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## NOVEMBER 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 5 48 | 15♏ 8'28 | 0♉28 | 26♎30 | 7♏56 | 27♋39 | 27♌ 9 | 16♍48 | 8♍37 | 4♎26 | 5°R44 | 20°R59 | 22♋ 5 | 3♓56 | 16♉31 | S 1 |
| M 2 | 3 9 45 | 16° 9'09 | 13° 5 | 27° 3 | 9°11 | 27°55 | 27°16 | 16°53 | 8°39 | 4°27 | 5♉43 | 20♋57 | 22° 2 | 4° 2 | 16°34 | M 2 |
| T 3 | 3 13 41 | 17° 9'51 | 25°23 | 27°43 | 10°27 | 28°11 | 27°22 | 16°58 | 8°41 | 4°29 | 5°42 | 20°D57 | 21°59 | 4° 9 | 16°37 | T 3 |
| W 4 | 3 17 38 | 18°10'34 | 7♒26 | 28°30 | 11°42 | 28°25 | 27°29 | 17° 3 | 8°42 | 4°31 | 5°41 | 20°58 | 21°56 | 4°16 | 16°41 | W 4 |
| T 5 | 3 21 35 | 19°11'18 | 19°20 | 29°24 | 12°58 | 28°40 | 27°35 | 17° 8 | 8°44 | 4°33 | 5°40 | 20°R58 | 21°53 | 4°22 | 16°44 | T 5 |
| F 6 | 3 25 31 | 20°12'04 | 1♓ 9 | 0♏23 | 14°13 | 28°54 | 27°41 | 17°13 | 8°46 | 4°34 | 5°39 | 20°57 | 21°49 | 4°29 | 16°48 | F 6 |
| S 7 | 3 29 28 | 21°12'50 | 13° 0 | 1°27 | 15°29 | 29° 7 | 27°46 | 17°17 | 8°48 | 4°36 | 5°38 | 20°54 | 21°46 | 4°36 | 16°51 | S 7 |
| S 8 | 3 33 24 | 22°13'37 | 24°57 | 2°35 | 16°44 | 29°20 | 27°52 | 17°22 | 8°49 | 4°38 | 5°37 | 20°49 | 21°43 | 4°42 | 16°55 | S 8 |
| M 9 | 3 37 21 | 23°14'26 | 7♈ 4 | 3°47 | 18° 0 | 29°32 | 27°58 | 17°26 | 8°51 | 4°39 | 5°35 | 20°42 | 21°40 | 4°49 | 16°58 | M 9 |
| T 10 | 3 41 17 | 24°15'15 | 19°24 | 5° 1 | 19°15 | 29°43 | 28° 3 | 17°30 | 8°53 | 4°41 | 5°34 | 20°33 | 21°37 | 4°56 | 17° 2 | T 10 |
| W11 | 3 45 14 | 25°16'05 | 2♉ 1 | 6°19 | 20°31 | 29°54 | 28° 8 | 17°35 | 8°54 | 4°42 | 5°33 | 20°22 | 21°34 | 5° 3 | 17° 6 | W11 |
| T 12 | 3 49 10 | 26°16'57 | 14°53 | 7°38 | 21°46 | 0♌ 4 | 28°13 | 17°39 | 8°56 | 4°44 | 5°32 | 20°12 | 21°30 | 5° 9 | 17°10 | T 12 |
| F 13 | 3 53 7 | 27°17'50 | 28° 2 | 9° 0 | 23° 2 | 0°14 | 28°18 | 17°43 | 8°57 | 4°46 | 5°31 | 20° 3 | 21°27 | 5°16 | 17°13 | F 13 |
| S 14 | 3 57 4 | 28°18'43 | 11♊25 | 10°23 | 24°17 | 0°23 | 28°22 | 17°47 | 8°58 | 4°47 | 5°30 | 19°55 | 21°24 | 5°23 | 17°17 | S 14 |
| S 15 | 4 1 0 | 29°19'38 | 25° 0 | 11°47 | 25°33 | 0°31 | 28°27 | 17°51 | 9° 0 | 4°49 | 5°29 | 19°50 | 21°21 | 5°29 | 17°21 | S 15 |
| M16 | 4 4 57 | 0♐20'35 | 8♋45 | 13°13 | 26°48 | 0°39 | 28°31 | 17°55 | 9° 1 | 4°50 | 5°28 | 19°47 | 21°18 | 5°36 | 17°25 | M16 |
| T 17 | 4 8 53 | 1°21'32 | 22°38 | 14°39 | 28° 4 | 0°46 | 28°35 | 17°58 | 9° 2 | 4°51 | 5°27 | 19°D47 | 21°15 | 5°43 | 17°29 | T 17 |
| W18 | 4 12 50 | 2°22'31 | 6♌36 | 16° 7 | 29°19 | 0°52 | 28°39 | 18° 2 | 9° 3 | 4°53 | 5°26 | 19°48 | 21°11 | 5°49 | 17°33 | W18 |
| T 19 | 4 16 46 | 3°23'30 | 20°39 | 17°35 | 0♐35 | 0°58 | 28°43 | 18° 6 | 9° 5 | 4°54 | 5°25 | 19°49 | 21° 8 | 5°56 | 17°38 | T 19 |
| F 20 | 4 20 43 | 4°24'31 | 4♍46 | 19° 4 | 1°50 | 1° 3 | 28°47 | 18° 9 | 9° 6 | 4°56 | 5°24 | 19°R49 | 21° 5 | 6° 3 | 17°42 | F 20 |
| S 21 | 4 24 39 | 5°25'33 | 18°54 | 20°34 | 3° 6 | 1° 7 | 28°50 | 18°12 | 9° 7 | 4°57 | 5°23 | 19°49 | 21° 2 | 6° 9 | 17°46 | S 21 |
| S 22 | 4 28 36 | 6°26'37 | 3♎ 4 | 22° 3 | 4°21 | 1°10 | 28°53 | 18°16 | 9° 8 | 4°58 | 5°22 | 19°46 | 20°59 | 6°16 | 17°50 | S 22 |
| M23 | 4 32 33 | 7°27'41 | 17°12 | 23°34 | 5°37 | 1°13 | 28°56 | 18°19 | 9° 8 | 4°59 | 5°21 | 19°41 | 20°55 | 6°23 | 17°55 | M23 |
| T 24 | 4 36 29 | 8°28'46 | 1♏15 | 25° 4 | 6°52 | 1°15 | 28°59 | 18°22 | 9° 9 | 5° 1 | 5°20 | 19°35 | 20°52 | 6°29 | 17°59 | T 24 |
| W25 | 4 40 26 | 9°29'53 | 15° 9 | 26°35 | 8° 8 | 1°16 | 29° 2 | 18°25 | 9°10 | 5° 2 | 5°20 | 19°28 | 20°49 | 6°36 | 18° 3 | W25 |
| T 26 | 4 44 22 | 10°31'00 | 28°51 | 28° 7 | 9°24 | 1°R16 | 29° 5 | 18°28 | 9°11 | 5° 3 | 5°19 | 19°21 | 20°46 | 6°43 | 18° 8 | T 26 |
| F 27 | 4 48 19 | 11°32'08 | 12♐18 | 29°38 | 10°39 | 1°16 | 29° 7 | 18°31 | 9°11 | 5° 4 | 5°18 | 19°15 | 20°43 | 6°49 | 18°12 | F 27 |
| S 28 | 4 52 15 | 12°33'16 | 25°28 | 1♐10 | 11°55 | 1°14 | 29° 9 | 18°33 | 9°12 | 5° 5 | 5°17 | 19°11 | 20°40 | 6°56 | 18°17 | S 28 |
| S 29 | 4 56 12 | 13°34'25 | 8♑18 | 2°42 | 13°10 | 1°12 | 29°11 | 18°36 | 9°13 | 5° 6 | 5°16 | 19° 9 | 20°36 | 7° 3 | 18°21 | S 29 |
| M30 | 5 0 9 | 14♐35'35 | 20♑51 | 4♐14 | 14♐26 | 1♌ 9 | 29♌13 | 18♍38 | 9♍13 | 5♎ 7 | 5♉15 | 19°D 8 | 20♋33 | 7♓10 | 18♉26 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s27 | 21s46 | 1n47 | 8s 3 | 2n23 | 13s19 | 0n57 | 22n34 | 1n52 | 13n24 | 0n56 | 7n 3 | 1n59 | 9n 5 | 0n45 | 0s19 | 1n35 | 1s18 | 15s40 | 21n54 | 21n44 | 13s19 | 16s24 | 6n10 |
| M 2 | 16 45 | 22 13 | 0 42 | 8 13 | 2 25 | 13 45 | 0 55 | 22 32 | 1 54 | 13 22 | 0 57 | 7 1 | 1 59 | 9 4 | 0 45 | 0 20 | 1 35 | 1 19 | 15 40 | 21 55 | 21 44 | 13 17 | 16 24 | 6 10 |
| T 3 | 17 2 | 21 33 | 0s24 | 8 26 | 2 26 | 14 11 | 0 53 | 22 31 | 1 56 | 13 20 | 0 57 | 7 0 | 1 59 | 9 3 | 0 45 | 0 20 | 1 35 | 1 19 | 15 40 | 21 55 | 21 45 | 13 15 | 16 24 | 6 9 |
| W 4 | 17 19 | 19 54 | 1 27 | 8 43 | 2 26 | 14 36 | 0 51 | 22 31 | 1 59 | 13 18 | 0 57 | 6 58 | 1 59 | 9 3 | 0 45 | 0 21 | 1 35 | 1 19 | 15 40 | 21 55 | 21 45 | 13 13 | 16 24 | 6 9 |
| T 5 | 17 36 | 17 24 | 2 26 | 9 3 | 2 25 | 15 1 | 0 49 | 22 30 | 2 1 | 13 16 | 0 57 | 6 56 | 2 0 | 9 2 | 0 45 | 0 22 | 1 35 | 1 19 | 15 40 | 21 54 | 21 46 | 13 11 | 16 24 | 6 8 |
| F 6 | 17 53 | 14 11 | 3 18 | 9 26 | 2 23 | 15 26 | 0 47 | 22 29 | 2 3 | 13 14 | 0 58 | 6 55 | 2 0 | 9 1 | 0 45 | 0 22 | 1 35 | 1 20 | 15 39 | 21 55 | 21 46 | 13 9 | 16 24 | 6 8 |
| S 7 | 18 9 | 10 25 | 4 1 | 9 51 | 2 20 | 15 50 | 0 45 | 22 28 | 2 5 | 13 12 | 0 58 | 6 53 | 2 0 | 9 1 | 0 45 | 0 23 | 1 35 | 1 20 | 15 39 | 21 55 | 21 47 | 13 8 | 16 24 | 6 8 |
| S 8 | 18 25 | 6 13 | 4 35 | 10 18 | 2 16 | 16 14 | 0 43 | 22 28 | 2 8 | 13 11 | 0 58 | 6 52 | 2 0 | 9 0 | 0 46 | 0 24 | 1 35 | 1 20 | 15 39 | 21 56 | 21 47 | 13 6 | 16 24 | 6 7 |
| M 9 | 18 40 | 1 43 | 4 57 | 10 46 | 2 12 | 16 37 | 0 41 | 22 28 | 2 10 | 13 9 | 0 58 | 6 50 | 2 1 | 9 0 | 0 46 | 0 24 | 1 35 | 1 20 | 15 39 | 21 57 | 21 48 | 13 4 | 16 24 | 6 7 |
| T 10 | 18 55 | 2n55 | 5 5 | 11 15 | 2 7 | 17 0 | 0 38 | 22 28 | 2 12 | 13 7 | 0 59 | 6 49 | 2 1 | 8 59 | 0 46 | 0 25 | 1 35 | 1 21 | 15 39 | 21 58 | 21 48 | 13 2 | 16 24 | 6 7 |
| W11 | 19 10 | 7 33 | 4 59 | 11 46 | 2 2 | 17 23 | 0 36 | 22 28 | 2 15 | 13 6 | 0 59 | 6 47 | 2 1 | 8 58 | 0 46 | 0 25 | 1 35 | 1 21 | 15 39 | 22 0 | 21 49 | 13 0 | 16 24 | 6 6 |
| T 12 | 19 25 | 11 57 | 4 38 | 12 17 | 1 56 | 17 45 | 0 34 | 22 28 | 2 17 | 13 4 | 0 59 | 6 46 | 2 1 | 8 58 | 0 46 | 0 26 | 1 35 | 1 21 | 15 39 | 22 1 | 21 49 | 12 58 | 16 24 | 6 6 |
| F 13 | 19 39 | 15 53 | 4 1 | 12 49 | 1 50 | 18 6 | 0 32 | 22 28 | 2 20 | 13 3 | 0 59 | 6 44 | 2 2 | 8 57 | 0 46 | 0 27 | 1 35 | 1 21 | 15 39 | 22 3 | 21 50 | 12 56 | 16 23 | 6 6 |
| S 14 | 19 53 | 19 6 | 3 11 | 13 21 | 1 44 | 18 27 | 0 30 | 22 28 | 2 22 | 13 2 | 1 0 | 6 43 | 2 2 | 8 57 | 0 46 | 0 27 | 1 35 | 1 21 | 15 38 | 22 4 | 21 50 | 12 54 | 16 23 | 6 5 |
| S 15 | 20 6 | 21 18 | 2 9 | 13 53 | 1 38 | 18 48 | 0 27 | 22 29 | 2 24 | 13 0 | 1 0 | 6 42 | 2 2 | 8 56 | 0 46 | 0 28 | 1 35 | 1 22 | 15 38 | 22 5 | 21 51 | 12 53 | 16 23 | 6 5 |
| M16 | 20 19 | 22 17 | 0 59 | 14 26 | 1 31 | 19 8 | 0 25 | 22 30 | 2 27 | 12 59 | 1 0 | 6 40 | 2 2 | 8 56 | 0 46 | 0 28 | 1 36 | 1 22 | 15 38 | 22 5 | 21 51 | 12 51 | 16 23 | 6 5 |
| T 17 | 20 32 | 21 54 | 0n15 | 14 58 | 1 24 | 19 27 | 0 23 | 22 31 | 2 29 | 12 58 | 1 0 | 6 39 | 2 3 | 8 56 | 0 46 | 0 29 | 1 36 | 1 22 | 15 38 | 22 5 | 21 52 | 12 49 | 16 23 | 6 4 |
| W18 | 20 44 | 20 9 | 1 30 | 15 30 | 1 17 | 19 46 | 0 20 | 22 32 | 2 32 | 12 57 | 1 1 | 6 38 | 2 3 | 8 55 | 0 46 | 0 29 | 1 36 | 1 22 | 15 38 | 22 5 | 21 52 | 12 47 | 16 22 | 6 4 |
| T 19 | 20 56 | 17 11 | 2 39 | 16 2 | 1 10 | 20 4 | 0 18 | 22 33 | 2 35 | 12 56 | 1 1 | 6 37 | 2 3 | 8 55 | 0 46 | 0 30 | 1 36 | 1 22 | 15 38 | 22 5 | 21 53 | 12 45 | 16 22 | 6 4 |
| F 20 | 21 7 | 13 12 | 3 39 | 16 34 | 1 3 | 20 22 | 0 16 | 22 34 | 2 37 | 12 55 | 1 1 | 6 36 | 2 3 | 8 54 | 0 46 | 0 30 | 1 36 | 1 22 | 15 37 | 22 5 | 21 53 | 12 43 | 16 22 | 6 4 |
| S 21 | 21 18 | 8 29 | 4 26 | 17 5 | 0 56 | 20 39 | 0 13 | 22 36 | 2 40 | 12 54 | 1 1 | 6 35 | 2 4 | 8 54 | 0 46 | 0 31 | 1 36 | 1 22 | 15 37 | 22 5 | 21 54 | 12 41 | 16 22 | 6 3 |
| S 22 | 21 29 | 3 18 | 4 56 | 17 35 | 0 48 | 20 56 | 0 11 | 22 38 | 2 42 | 12 53 | 1 2 | 6 34 | 2 4 | 8 54 | 0 46 | 0 31 | 1 36 | 1 23 | 15 37 | 22 5 | 21 54 | 12 39 | 16 21 | 6 3 |
| M23 | 21 39 | 2s 2 | 5 9 | 18 5 | 0 41 | 21 12 | 0 9 | 22 40 | 2 45 | 12 52 | 1 2 | 6 33 | 2 4 | 8 54 | 0 46 | 0 32 | 1 36 | 1 23 | 15 37 | 22 6 | 21 55 | 12 37 | 16 21 | 6 3 |
| T 24 | 21 49 | 7 14 | 5 3 | 18 34 | 0 34 | 21 27 | 0 6 | 22 42 | 2 48 | 12 51 | 1 2 | 6 32 | 2 4 | 8 53 | 0 46 | 0 32 | 1 36 | 1 23 | 15 37 | 22 7 | 21 55 | 12 35 | 16 21 | 6 3 |
| W25 | 21 59 | 12 0 | 4 39 | 19 3 | 0 27 | 21 42 | 0 4 | 22 44 | 2 50 | 12 50 | 1 3 | 6 31 | 2 5 | 8 53 | 0 46 | 0 32 | 1 36 | 1 23 | 15 36 | 22 8 | 21 56 | 12 33 | 16 20 | 6 2 |
| T 26 | 22 8 | 16 6 | 3 59 | 19 31 | 0 20 | 21 56 | 0 1 | 22 47 | 2 53 | 12 50 | 1 3 | 6 30 | 2 5 | 8 53 | 0 46 | 0 33 | 1 36 | 1 23 | 15 36 | 22 9 | 21 56 | 12 31 | 16 20 | 6 2 |
| F 27 | 22 16 | 19 17 | 3 7 | 19 58 | 0 12 | 22 10 | 0s 1 | 22 49 | 2 55 | 12 49 | 1 3 | 6 29 | 2 5 | 8 53 | 0 46 | 0 33 | 1 36 | 1 23 | 15 36 | 22 10 | 21 57 | 12 29 | 16 20 | 6 2 |
| S 28 | 22 24 | 21 23 | 2 5 | 20 24 | 0 5 | 22 23 | 0 3 | 22 52 | 2 58 | 12 49 | 1 3 | 6 28 | 2 5 | 8 52 | 0 46 | 0 34 | 1 36 | 1 23 | 15 36 | 22 10 | 21 57 | 12 28 | 16 19 | 6 2 |
| S 29 | 22 32 | 22 19 | 0 59 | 20 49 | 0s 2 | 22 35 | 0 6 | 22 55 | 3 1 | 12 48 | 1 4 | 6 27 | 2 6 | 8 52 | 0 46 | 0 34 | 1 36 | 1 23 | 15 36 | 22 11 | 21 58 | 12 26 | 16 19 | 6 1 |
| M30 | 22s39 | 22s 5 | 0s 9 | 21s14 | 0s 9 | 22s46 | 0s 8 | 22n59 | 3n 4 | 12n48 | 1n 4 | 6n27 | 2n 6 | 8n52 | 0n46 | 0s34 | 1n36 | 1s23 | 15s35 | 22n11 | 21n58 | 12s24 | 16s19 | 6n 1 |

Julian Day Number = 2132268.5, Delta T = 16m24s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'11, Lahiri = 11°40'12 Julian Calendar 1 Nov. 1125 == Greg. Calendar 8 Nov. 1125


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# ASTRODIENST EPHEMERIS for the year 1125
# geocentric

## DECEMBER 1125 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 4 5 | 15♐36'45 | 3♒ 7 | 5♐46 | 15♐41 | 1°R 6 | 29♌14 | 18♍41 | 9♍13 | 5♎ 9 | 5°R14 | 19♋ 9 | 20♋30 | 7♓16 | 18♉30 | T 1 |
| W 2 | 5 8 2 | 16°37'55 | 15°11 | 7°19 | 16°57 | 1♌ 1 | 29°16 | 18°43 | 9°14 | 5° 9 | 5♉14 | 19°10 | 20°27 | 7°23 | 18°35 | W 2 |
| T 3 | 5 11 58 | 17°39'05 | 27° 5 | 8°52 | 18°12 | 0°56 | 29°17 | 18°45 | 9°14 | 5°10 | 5°13 | 19°12 | 20°24 | 7°30 | 18°40 | T 3 |
| F 4 | 5 15 55 | 18°40'15 | 8♓56 | 10°25 | 19°28 | 0°49 | 29°18 | 18°47 | 9°14 | 5°11 | 5°12 | 19°14 | 20°21 | 7°36 | 18°45 | F 4 |
| S 5 | 5 19 51 | 19°41'25 | 20°47 | 11°58 | 20°43 | 0°42 | 29°19 | 18°49 | 9°15 | 5°12 | 5°11 | 19°R14 | 20°17 | 7°43 | 18°49 | S 5 |
| S 6 | 5 23 48 | 20°42'36 | 2♈43 | 13°31 | 21°59 | 0°34 | 29°19 | 18°51 | 9°15 | 5°13 | 5°10 | 19°13 | 20°14 | 7°50 | 18°54 | S 6 |
| M 7 | 5 27 44 | 21°43'46 | 14°51 | 15° 5 | 23°14 | 0°26 | 29°20 | 18°53 | 9°15 | 5°14 | 5°10 | 19°11 | 20°11 | 7°56 | 18°59 | M 7 |
| T 8 | 5 31 41 | 22°44'57 | 27°13 | 16°39 | 24°30 | 0°16 | 29°20 | 18°55 | 9°R15 | 5°15 | 5° 9 | 19° 8 | 20° 8 | 8° 3 | 19° 4 | T 8 |
| W 9 | 5 35 38 | 23°46'07 | 9♉53 | 18°13 | 25°45 | 0° 6 | 29°R20 | 18°56 | 9°15 | 5°16 | 5° 8 | 19° 4 | 20° 5 | 8°10 | 19° 8 | W 9 |
| T 10 | 5 39 34 | 24°47'17 | 22°54 | 19°48 | 27° 1 | 29♋55 | 29°20 | 18°58 | 9°15 | 5°16 | 5° 8 | 19° 0 | 20° 1 | 8°16 | 19°13 | T 10 |
| F 11 | 5 43 31 | 25°48'28 | 6♊16 | 21°22 | 28°16 | 29°43 | 29°19 | 18°59 | 9°15 | 5°17 | 5° 7 | 18°56 | 19°58 | 8°23 | 19°18 | F 11 |
| S 12 | 5 47 27 | 26°49'38 | 19°58 | 22°57 | 29°32 | 29°30 | 29°19 | 19° 0 | 9°15 | 5°18 | 5° 6 | 18°53 | 19°55 | 8°30 | 19°23 | S 12 |
| S 13 | 5 51 24 | 27°50'49 | 3♋58 | 24°33 | 0♏47 | 29°17 | 29°18 | 19° 1 | 9°14 | 5°18 | 5° 6 | 18°52 | 19°52 | 8°37 | 19°28 | S 13 |
| M14 | 5 55 20 | 28°51'59 | 18°11 | 26° 9 | 2° 3 | 29° 2 | 29°17 | 19° 2 | 9°14 | 5°19 | 5° 5 | 18°D51 | 19°49 | 8°43 | 19°33 | M14 |
| T 15 | 5 59 17 | 29°53'10 | 2♌33 | 27°45 | 3°18 | 28°47 | 29°16 | 19° 3 | 9°14 | 5°19 | 5° 4 | 18°51 | 19°46 | 8°50 | 19°38 | T 15 |
| W16 | 6 3 13 | 0♏54'21 | 16°58 | 29°21 | 4°34 | 28°31 | 29°15 | 19° 4 | 9°13 | 5°20 | 5° 4 | 18°53 | 19°42 | 8°57 | 19°43 | W16 |
| T 17 | 6 7 10 | 1°55'31 | 1♍23 | 0♏58 | 5°49 | 28°15 | 29°13 | 19° 5 | 9°13 | 5°21 | 5° 3 | 18°54 | 19°39 | 9° 3 | 19°48 | T 17 |
| F 18 | 6 11 7 | 2°56'42 | 15°42 | 2°35 | 7° 5 | 27°58 | 29°11 | 19° 5 | 9°12 | 5°21 | 5° 3 | 18°55 | 19°36 | 9°10 | 19°53 | F 18 |
| S 19 | 6 15 3 | 3°57'53 | 29°55 | 4°13 | 8°20 | 27°40 | 29°10 | 19° 6 | 9°12 | 5°21 | 5° 2 | 18°R56 | 19°33 | 9°17 | 19°58 | S 19 |
| S 20 | 6 19 0 | 4°59'04 | 13♎58 | 5°51 | 9°35 | 27°21 | 29° 7 | 19° 6 | 9°11 | 5°22 | 5° 2 | 18°55 | 19°30 | 9°23 | 20° 3 | S 20 |
| M21 | 6 22 56 | 6° 0'15 | 27°50 | 7°29 | 10°51 | 27° 2 | 29° 5 | 19° 6 | 9°10 | 5°22 | 5° 1 | 18°55 | 19°27 | 9°30 | 20° 8 | M21 |
| T 22 | 6 26 53 | 7° 1'26 | 11♏30 | 9° 8 | 12° 6 | 26°42 | 29° 3 | 19° 6 | 9°10 | 5°22 | 5° 1 | 18°53 | 19°23 | 9°37 | 20°13 | T 22 |
| W23 | 6 30 49 | 8° 2'37 | 24°57 | 10°47 | 13°22 | 26°22 | 29° 0 | 19°R 6 | 9° 9 | 5°23 | 5° 0 | 18°52 | 19°20 | 9°43 | 20°19 | W23 |
| T 24 | 6 34 46 | 9° 3'48 | 8♐12 | 12°27 | 14°37 | 26° 1 | 28°57 | 19° 6 | 9° 8 | 5°23 | 5° 0 | 18°50 | 19°17 | 9°50 | 20°24 | T 24 |
| F 25 | 6 38 42 | 10° 4'58 | 21°13 | 14° 7 | 15°53 | 25°40 | 28°54 | 19° 6 | 9° 7 | 5°23 | 4°59 | 18°49 | 19°14 | 9°57 | 20°29 | F 25 |
| S 26 | 6 42 39 | 11° 6'09 | 4♑ 1 | 15°48 | 17° 8 | 25°18 | 28°51 | 19° 6 | 9° 6 | 5°23 | 4°59 | 18°49 | 19°11 | 10° 4 | 20°34 | S 26 |
| S 27 | 6 46 36 | 12° 7'18 | 16°35 | 17°29 | 18°23 | 24°55 | 28°47 | 19° 5 | 9° 5 | 5°24 | 4°59 | 18°D48 | 19° 7 | 10°10 | 20°39 | S 27 |
| M28 | 6 50 32 | 13° 8'28 | 28°56 | 19°10 | 19°39 | 24°33 | 28°44 | 19° 5 | 9° 4 | 5°24 | 4°58 | 18°48 | 19° 4 | 10°17 | 20°44 | M28 |
| T 29 | 6 54 29 | 14° 9'36 | 11♒ 6 | 20°52 | 20°54 | 24°10 | 28°40 | 19° 4 | 9° 3 | 5°24 | 4°58 | 18°49 | 19° 1 | 10°24 | 20°49 | T 29 |
| W30 | 6 58 25 | 15°10'44 | 23° 7 | 22°34 | 22° 9 | 23°46 | 28°36 | 19° 4 | 9° 2 | 5°24 | 4°58 | 18°49 | 18°58 | 10°30 | 20°55 | W30 |
| T 31 | 7 2 22 | 16♑11'51 | 5♓ 1 | 24♑17 | 23♑25 | 23♋23 | 28♌32 | 19♍ 3 | 9♍ 1 | 5°R24 | 4♉58 | 18♋50 | 18♋55 | 10♓37 | 21♑ 0 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s46 | 20s47 | 1s16 | 21s37 | 0s15 | 22s57 | 0s11 | 23n 2 | 3n 6 | 12n48 | 1n 4 | 6n26 | 2n 6 | 8n52 | 0n47 | 0s35 | 1n36 | 1s23 | 15s35 | 22n11 | 21n59 | 12s22 | 16s18 | 6n 1 |
| W 2 | 22 53 | 18 33 | 2 18 | 22 0 | 0 22 | 23 7 | 0 13 | 23 6 | 3 9 | 12 47 | 1 5 | 6 25 | 2 7 | 8 52 | 0 47 | 0 35 | 1 36 | 1 23 | 15 35 | 22 10 | 21 59 | 12 20 | 16 18 | 6 1 |
| T 3 | 22 59 | 15 33 | 3 13 | 22 21 | 0 29 | 23 17 | 0 15 | 23 10 | 3 12 | 12 47 | 1 5 | 6 25 | 2 7 | 8 52 | 0 47 | 0 35 | 1 36 | 1 23 | 15 35 | 22 10 | 22 0 | 12 18 | 16 18 | 6 0 |
| F 4 | 23 4 | 11 57 | 4 0 | 22 42 | 0 35 | 23 25 | 0 18 | 23 14 | 3 14 | 12 47 | 1 5 | 6 24 | 2 7 | 8 52 | 0 47 | 0 36 | 1 36 | 1 23 | 15 34 | 22 10 | 22 0 | 12 16 | 16 17 | 6 0 |
| S 5 | 23 9 | 7 54 | 4 36 | 23 1 | 0 41 | 23 33 | 0 20 | 23 18 | 3 17 | 12 47 | 1 5 | 6 24 | 2 7 | 8 52 | 0 47 | 0 36 | 1 37 | 1 23 | 15 34 | 22 10 | 22 1 | 12 14 | 16 17 | 6 0 |
| S 6 | 23 13 | 3 31 | 5 1 | 23 19 | 0 48 | 23 41 | 0 22 | 23 22 | 3 20 | 12 47 | 1 6 | 6 23 | 2 8 | 8 52 | 0 47 | 0 36 | 1 37 | 1 23 | 15 34 | 22 10 | 22 1 | 12 12 | 16 16 | 6 0 |
| M 7 | 23 18 | 1n 4 | 5 13 | 23 36 | 0 54 | 23 47 | 0 25 | 23 27 | 3 22 | 12 47 | 1 6 | 6 23 | 2 8 | 8 52 | 0 47 | 0 37 | 1 37 | 1 23 | 15 34 | 22 10 | 22 2 | 12 10 | 16 16 | 6 0 |
| T 8 | 23 21 | 5 42 | 5 11 | 23 52 | 1 0 | 23 53 | 0 27 | 23 31 | 3 25 | 12 48 | 1 6 | 6 22 | 2 8 | 8 52 | 0 47 | 0 37 | 1 37 | 1 23 | 15 33 | 22 11 | 22 2 | 12 8 | 16 15 | 6 0 |
| W 9 | 23 24 | 10 12 | 4 54 | 24 7 | 1 5 | 23 58 | 0 29 | 23 36 | 3 28 | 12 48 | 1 6 | 6 22 | 2 8 | 8 52 | 0 47 | 0 37 | 1 37 | 1 23 | 15 33 | 22 11 | 22 3 | 12 6 | 16 15 | 5 59 |
| T 10 | 23 27 | 14 23 | 4 21 | 24 20 | 1 11 | 24 2 | 0 31 | 23 41 | 3 30 | 12 48 | 1 7 | 6 22 | 2 9 | 8 52 | 0 47 | 0 37 | 1 37 | 1 23 | 15 33 | 22 12 | 22 3 | 12 4 | 16 14 | 5 59 |
| F 11 | 23 29 | 17 57 | 3 33 | 24 32 | 1 16 | 24 6 | 0 34 | 23 46 | 3 33 | 12 48 | 1 7 | 6 21 | 2 9 | 8 52 | 0 47 | 0 38 | 1 37 | 1 23 | 15 32 | 22 12 | 22 3 | 12 2 | 16 14 | 5 59 |
| S 12 | 23 31 | 20 38 | 2 33 | 24 43 | 1 21 | 24 9 | 0 36 | 23 51 | 3 35 | 12 49 | 1 7 | 6 21 | 2 9 | 8 52 | 0 47 | 0 38 | 1 37 | 1 23 | 15 32 | 22 13 | 22 4 | 12 0 | 16 13 | 5 59 |
| S 13 | 23 32 | 22 8 | 1 21 | 24 52 | 1 26 | 24 11 | 0 38 | 23 57 | 3 38 | 12 49 | 1 8 | 6 21 | 2 10 | 8 52 | 0 47 | 0 38 | 1 37 | 1 23 | 15 32 | 22 13 | 22 4 | 11 58 | 16 13 | 5 59 |
| M14 | 23 33 | 22 15 | 0 4 | 25 0 | 1 31 | 24 12 | 0 40 | 24 2 | 3 40 | 12 50 | 1 8 | 6 21 | 2 10 | 8 52 | 0 47 | 0 38 | 1 37 | 1 23 | 15 32 | 22 13 | 22 5 | 11 56 | 16 12 | 5 59 |
| T 15 | 23 33 | 20 54 | 1n15 | 25 7 | 1 35 | 24 13 | 0 42 | 24 8 | 3 43 | 12 51 | 1 8 | 6 21 | 2 10 | 8 52 | 0 47 | 0 38 | 1 37 | 1 23 | 15 31 | 22 13 | 22 5 | 11 54 | 16 12 | 5 59 |
| W16 | 23 33 | 18 12 | 2 29 | 25 12 | 1 39 | 24 13 | 0 44 | 24 13 | 3 45 | 12 51 | 1 8 | 6 21 | 2 10 | 8 53 | 0 47 | 0 39 | 1 37 | 1 23 | 15 31 | 22 13 | 22 6 | 11 52 | 16 11 | 5 58 |
| T 17 | 23 32 | 14 22 | 3 34 | 25 16 | 1 43 | 24 12 | 0 46 | 24 19 | 3 47 | 12 52 | 1 9 | 6 21 | 2 11 | 8 53 | 0 47 | 0 39 | 1 37 | 1 23 | 15 31 | 22 13 | 22 6 | 11 50 | 16 10 | 5 58 |
| F 18 | 23 31 | 9 44 | 4 25 | 25 18 | 1 47 | 24 10 | 0 48 | 24 25 | 3 50 | 12 53 | 1 9 | 6 21 | 2 11 | 8 53 | 0 47 | 0 39 | 1 37 | 1 23 | 15 30 | 22 13 | 22 7 | 11 48 | 16 10 | 5 58 |
| S 19 | 23 30 | 4 36 | 4 59 | 25 19 | 1 50 | 24 8 | 0 50 | 24 31 | 3 52 | 12 54 | 1 9 | 6 21 | 2 11 | 8 53 | 0 47 | 0 39 | 1 37 | 1 22 | 15 30 | 22 12 | 22 7 | 11 46 | 16 9 | 5 58 |
| S 20 | 23 27 | 0s41 | 5 15 | 25 19 | 1 53 | 24 4 | 0 52 | 24 37 | 3 54 | 12 55 | 1 10 | 6 21 | 2 12 | 8 54 | 0 47 | 0 39 | 1 37 | 1 22 | 15 30 | 22 13 | 22 8 | 11 44 | 16 9 | 5 58 |
| M21 | 23 25 | 5 53 | 5 13 | 25 16 | 1 56 | 24 0 | 0 54 | 24 43 | 3 56 | 12 56 | 1 10 | 6 21 | 2 12 | 8 54 | 0 47 | 0 39 | 1 38 | 1 22 | 15 30 | 22 13 | 22 8 | 11 42 | 16 8 | 5 58 |
| T 22 | 23 22 | 10 43 | 4 52 | 25 12 | 1 58 | 23 56 | 0 56 | 24 49 | 3 58 | 12 57 | 1 10 | 6 21 | 2 12 | 8 54 | 0 47 | 0 39 | 1 38 | 1 22 | 15 29 | 22 13 | 22 9 | 11 40 | 16 7 | 5 58 |
| W23 | 23 18 | 14 57 | 4 16 | 25 7 | 2 1 | 23 50 | 0 58 | 24 55 | 4 0 | 12 58 | 1 10 | 6 22 | 2 12 | 8 55 | 0 47 | 0 39 | 1 38 | 1 22 | 15 29 | 22 13 | 22 9 | 11 38 | 16 7 | 5 58 |
| T 24 | 23 14 | 18 23 | 3 27 | 25 0 | 2 2 | 23 44 | 1 0 | 25 0 | 4 2 | 13 0 | 1 11 | 6 22 | 2 13 | 8 55 | 0 48 | 0 39 | 1 38 | 1 22 | 15 29 | 22 13 | 22 9 | 11 36 | 16 6 | 5 58 |
| F 25 | 23 10 | 20 49 | 2 27 | 24 51 | 2 4 | 23 37 | 1 1 | 25 6 | 4 4 | 13 1 | 1 11 | 6 22 | 2 13 | 8 55 | 0 48 | 0 39 | 1 38 | 1 22 | 15 28 | 22 13 | 22 10 | 11 34 | 16 5 | 5 58 |
| S 26 | 23 5 | 22 8 | 1 21 | 24 40 | 2 5 | 23 30 | 1 3 | 25 12 | 4 6 | 13 2 | 1 11 | 6 23 | 2 13 | 8 56 | 0 48 | 0 39 | 1 38 | 1 21 | 15 28 | 22 13 | 22 10 | 11 32 | 16 5 | 5 58 |
| S 27 | 23 0 | 22 19 | 0 12 | 24 28 | 2 5 | 23 21 | 1 5 | 25 18 | 4 7 | 13 4 | 1 11 | 6 23 | 2 14 | 8 56 | 0 48 | 0 39 | 1 38 | 1 21 | 15 28 | 22 14 | 22 11 | 11 30 | 16 4 | 5 57 |
| M28 | 22 54 | 21 23 | 0s56 | 24 14 | 2 5 | 23 12 | 1 6 | 25 24 | 4 9 | 13 5 | 1 12 | 6 23 | 2 14 | 8 57 | 0 48 | 0 39 | 1 38 | 1 21 | 15 27 | 22 14 | 22 11 | 11 28 | 16 3 | 5 57 |
| T 29 | 22 48 | 19 27 | 2 1 | 23 59 | 2 5 | 23 2 | 1 8 | 25 29 | 4 10 | 13 7 | 1 12 | 6 24 | 2 14 | 8 57 | 0 48 | 0 39 | 1 38 | 1 21 | 15 27 | 22 13 | 22 12 | 11 25 | 16 2 | 5 57 |
| W30 | 22 41 | 16 42 | 2 59 | 23 42 | 2 4 | 22 52 | 1 10 | 25 35 | 4 12 | 13 9 | 1 12 | 6 24 | 2 14 | 8 58 | 0 48 | 0 39 | 1 38 | 1 21 | 15 27 | 22 13 | 22 12 | 11 23 | 16 2 | 5 57 |
| T 31 | 22s34 | 13s16 | 3s49 | 23s23 | 2s 3 | 22s41 | 1s11 | 25n40 | 4n13 | 13n10 | 1n12 | 6n25 | 2n15 | 8n58 | 0n48 | 0s39 | 1n38 | 1s20 | 15s26 | 22n13 | 22n13 | 11s21 | 16s 1 | 5n57 |

Julian Day Number = 2132298.5, Delta T = 16m24s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'15, Lahiri = 11°40'16 Julian Calendar 1 Dec. 1125 == Greg. Calendar 8 Dec. 1125


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## JANUARY 1126 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 6 18 | 17♉12'57 | 16♓51 | 25♉59 | 24♉40 | 22°R59 | 28°R28 | 19°R 2 | 8°R59 | 5°R24 | 4°R57 | 18♋50 | 18♋52 | 10♓44 | 21♉ 5 | F 1 |
| S 2 | 7 10 15 | 18°14'02 | 28°42 | 27°42 | 25°55 | 22♋35 | 28♌23 | 19♍ 1 | 8♍58 | 5♎24 | 4♌57 | 18°50 | 18°48 | 10°50 | 21°10 | S 2 |
| S 3 | 7 14 11 | 19°15'06 | 10♈37 | 29°25 | 27°11 | 22°11 | 28°19 | 19° 0 | 8°57 | 5°24 | 4°57 | 18°R50 | 18°45 | 10°57 | 21°15 | S 3 |
| M 4 | 7 18 8 | 20°16'09 | 22°42 | 1♒ 8 | 28°26 | 21°47 | 28°14 | 18°58 | 8°55 | 5°24 | 4°57 | 18°D50 | 18°42 | 11° 4 | 21°21 | M 4 |
| T 5 | 7 22 5 | 21°17'11 | 5♉ 0 | 2°50 | 29°41 | 21°23 | 28° 9 | 18°57 | 8°54 | 5°23 | 4°56 | 18°50 | 18°39 | 11°10 | 21°26 | T 5 |
| W 6 | 7 26 1 | 22°18'11 | 17°38 | 4°33 | 0♒57 | 20°59 | 28° 4 | 18°55 | 8°52 | 5°23 | 4°56 | 18°50 | 18°36 | 11°17 | 21°31 | W 6 |
| T 7 | 7 29 58 | 23°19'11 | 0♊37 | 6°15 | 2°12 | 20°35 | 27°58 | 18°54 | 8°51 | 5°23 | 4°56 | 18°51 | 18°33 | 11°24 | 21°36 | T 7 |
| F 8 | 7 33 54 | 24°20'10 | 14° 1 | 7°56 | 3°27 | 20°11 | 27°53 | 18°52 | 8°49 | 5°23 | 4°56 | 18°51 | 18°29 | 11°31 | 21°41 | F 8 |
| S 9 | 7 37 51 | 25°21'07 | 27°50 | 9°36 | 4°42 | 19°47 | 27°47 | 18°50 | 8°48 | 5°23 | 4°56 | 18°52 | 18°26 | 11°37 | 21°47 | S 9 |
| S 10 | 7 41 47 | 26°22'03 | 12♋ 3 | 11°14 | 5°58 | 19°24 | 27°42 | 18°49 | 8°46 | 5°22 | 4°56 | 18°R52 | 18°23 | 11°44 | 21°52 | S 10 |
| M11 | 7 45 44 | 27°22'59 | 26°36 | 12°51 | 7°13 | 19° 1 | 27°36 | 18°47 | 8°44 | 5°22 | 4°56 | 18°52 | 18°20 | 11°51 | 21°57 | M11 |
| T 12 | 7 49 41 | 28°23'53 | 11♌24 | 14°26 | 8°28 | 18°38 | 27°30 | 18°44 | 8°42 | 5°21 | 4°D56 | 18°52 | 18°17 | 11°57 | 22° 2 | T 12 |
| W13 | 7 53 37 | 29°24'46 | 26°19 | 15°58 | 9°43 | 18°16 | 27°24 | 18°42 | 8°41 | 5°21 | 4°56 | 18°51 | 18°13 | 12° 4 | 22° 7 | W13 |
| T 14 | 7 57 34 | 0♒25'38 | 11♍12 | 17°27 | 10°58 | 17°53 | 27°18 | 18°40 | 8°39 | 5°21 | 4°56 | 18°49 | 18°10 | 12°11 | 22°12 | T 14 |
| F 15 | 8 1 30 | 1°26'28 | 25°56 | 18°52 | 12°13 | 17°32 | 27°11 | 18°38 | 8°37 | 5°20 | 4°56 | 18°48 | 18° 7 | 12°17 | 22°17 | F 15 |
| S 16 | 8 5 27 | 2°27'18 | 10♎25 | 20°13 | 13°29 | 17°11 | 27° 5 | 18°35 | 8°35 | 5°20 | 4°56 | 18°46 | 18° 4 | 12°24 | 22°23 | S 16 |
| S 17 | 8 9 23 | 3°28'08 | 24°36 | 21°29 | 14°44 | 16°50 | 26°58 | 18°33 | 8°33 | 5°19 | 4°56 | 18°46 | 18° 1 | 12°31 | 22°28 | S 17 |
| M18 | 8 13 20 | 4°28'56 | 8♏26 | 22°39 | 15°59 | 16°30 | 26°51 | 18°30 | 8°31 | 5°18 | 4°56 | 18°D45 | 17°58 | 12°38 | 22°33 | M18 |
| T 19 | 8 17 16 | 5°29'43 | 21°56 | 23°43 | 17°14 | 16°10 | 26°44 | 18°27 | 8°29 | 5°18 | 4°56 | 18°46 | 17°54 | 12°44 | 22°38 | T 19 |
| W20 | 8 21 13 | 6°30'29 | 5♐ 7 | 24°39 | 18°29 | 15°51 | 26°38 | 18°25 | 8°27 | 5°17 | 4°57 | 18°47 | 17°51 | 12°51 | 22°43 | W20 |
| T 21 | 8 25 10 | 7°31'14 | 18° 1 | 25°27 | 19°44 | 15°32 | 26°30 | 18°22 | 8°25 | 5°17 | 4°57 | 18°49 | 17°48 | 12°58 | 22°48 | T 21 |
| F 22 | 8 29 6 | 8°31'58 | 0♑41 | 26° 7 | 20°59 | 15°15 | 26°23 | 18°19 | 8°23 | 5°16 | 4°57 | 18°50 | 17°45 | 13° 4 | 22°53 | F 22 |
| S 23 | 8 33 3 | 9°32'41 | 13° 8 | 26°37 | 22°14 | 14°58 | 26°16 | 18°16 | 8°21 | 5°15 | 4°57 | 18°R51 | 17°42 | 13°11 | 22°58 | S 23 |
| S 24 | 8 36 59 | 10°33'23 | 25°25 | 26°57 | 23°29 | 14°41 | 26° 9 | 18°12 | 8°18 | 5°14 | 4°57 | 18°51 | 17°39 | 13°18 | 23° 3 | S 24 |
| M25 | 8 40 56 | 11°34'03 | 7♒33 | 27°R 7 | 24°44 | 14°25 | 26° 1 | 18° 9 | 8°16 | 5°14 | 4°58 | 18°50 | 17°35 | 13°24 | 23° 8 | M25 |
| T 26 | 8 44 52 | 12°34'41 | 19°34 | 27° 6 | 25°59 | 14°10 | 25°54 | 18° 6 | 8°14 | 5°13 | 4°58 | 18°47 | 17°32 | 13°31 | 23°13 | T 26 |
| W27 | 8 48 49 | 13°35'18 | 1♓30 | 26°54 | 27°14 | 13°56 | 25°46 | 18° 2 | 8°12 | 5°12 | 4°58 | 18°44 | 17°29 | 13°38 | 23°18 | W27 |
| T 28 | 8 52 45 | 14°35'53 | 13°22 | 26°33 | 28°29 | 13°43 | 25°39 | 17°59 | 8° 9 | 5°11 | 4°59 | 18°39 | 17°26 | 13°45 | 23°23 | T 28 |
| F 29 | 8 56 42 | 15°36'27 | 25°12 | 26° 1 | 29°44 | 13°30 | 25°31 | 17°55 | 8° 7 | 5°10 | 4°59 | 18°34 | 17°23 | 13°51 | 23°28 | F 29 |
| S 30 | 9 0 38 | 16°36'59 | 7♈ 3 | 25°21 | 0♓59 | 13°18 | 25°24 | 17°52 | 8° 5 | 5° 9 | 4°59 | 18°29 | 17°19 | 13°58 | 23°33 | S 30 |
| S 31 | 9 4 35 | 17♒37'29 | 18♈59 | 24♒33 | 2♓13 | 13♋ 7 | 25♌16 | 17♍48 | 8♍ 2 | 5♎ 8 | 5♌ 0 | 18♋25 | 17♋16 | 14♓ 5 | 23♉38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s26 | 9s21 | 4s30 | 23s 2 | 2s 1 | 22s29 | 1s12 | 25n46 | 4n14 | 13n12 | 1n13 | 6n26 | 2n15 | 8n59 | 0n48 | 0s39 | 1n38 | 1s20 | 15s26 | 22n13 | 22n13 | 11s19 | 16s 0 | 5n57 | F 1 |
| S 2 | 22 18 | 5 5 | 4 58 | 22 39 | 1 59 | 22 16 | 1 14 | 25 51 | 4 15 | 13 14 | 1 13 | 6 26 | 2 15 | 8 59 | 0 48 | 0 39 | 1 38 | 1 20 | 15 26 | 22 13 | 22 13 | 11 17 | 15 59 | 5 57 | S 2 |
| S 3 | 22 10 | 0 36 | 5 14 | 22 15 | 1 56 | 22 3 | 1 15 | 25 56 | 4 16 | 13 16 | 1 13 | 6 27 | 2 15 | 9 0 | 0 48 | 0 39 | 1 38 | 1 20 | 15 25 | 22 13 | 22 14 | 11 15 | 15 59 | 5 57 | S 3 |
| M 4 | 22 1 | 3n58 | 5 17 | 21 49 | 1 52 | 21 49 | 1 16 | 26 1 | 4 17 | 13 18 | 1 13 | 6 28 | 2 16 | 9 0 | 0 48 | 0 39 | 1 38 | 1 19 | 15 25 | 22 13 | 22 14 | 11 13 | 15 58 | 5 57 | M 4 |
| T 5 | 21 52 | 8 27 | 5 5 | 21 22 | 1 48 | 21 35 | 1 18 | 26 5 | 4 18 | 13 19 | 1 14 | 6 29 | 2 16 | 9 1 | 0 48 | 0 39 | 1 38 | 1 19 | 15 25 | 22 13 | 22 15 | 11 11 | 15 57 | 5 57 | T 5 |
| W 6 | 21 42 | 12 43 | 4 38 | 20 53 | 1 43 | 21 19 | 1 19 | 26 10 | 4 19 | 13 21 | 1 14 | 6 29 | 2 16 | 9 1 | 0 48 | 0 39 | 1 38 | 1 19 | 15 24 | 22 13 | 22 15 | 11 9 | 15 56 | 5 57 | W 6 |
| T 7 | 21 32 | 16 31 | 3 57 | 20 22 | 1 37 | 21 4 | 1 20 | 26 14 | 4 19 | 13 24 | 1 14 | 6 30 | 2 17 | 9 2 | 0 48 | 0 39 | 1 39 | 1 19 | 15 24 | 22 13 | 22 16 | 11 7 | 15 55 | 5 57 | T 7 |
| F 8 | 21 21 | 19 35 | 3 2 | 19 50 | 1 31 | 20 47 | 1 21 | 26 18 | 4 20 | 13 26 | 1 14 | 6 31 | 2 17 | 9 3 | 0 48 | 0 38 | 1 39 | 1 18 | 15 24 | 22 13 | 22 16 | 11 5 | 15 55 | 5 57 | F 8 |
| S 9 | 21 10 | 21 38 | 1 54 | 19 17 | 1 24 | 20 30 | 1 22 | 26 22 | 4 20 | 13 28 | 1 15 | 6 32 | 2 17 | 9 3 | 0 48 | 0 38 | 1 39 | 1 18 | 15 23 | 22 13 | 22 17 | 11 3 | 15 54 | 5 57 | S 9 |
| S 10 | 20 59 | 22 23 | 0 38 | 18 42 | 1 16 | 20 12 | 1 23 | 26 26 | 4 20 | 13 30 | 1 15 | 6 33 | 2 17 | 9 4 | 0 48 | 0 38 | 1 39 | 1 18 | 15 23 | 22 13 | 22 17 | 11 1 | 15 53 | 5 57 | S 10 |
| M11 | 20 47 | 21 38 | 0n43 | 18 6 | 1 7 | 19 54 | 1 24 | 26 29 | 4 20 | 13 32 | 1 15 | 6 34 | 2 18 | 9 5 | 0 48 | 0 38 | 1 39 | 1 17 | 15 23 | 22 13 | 22 17 | 10 58 | 15 52 | 5 58 | M11 |
| T 12 | 20 35 | 19 23 | 2 2 | 17 30 | 0 58 | 19 35 | 1 24 | 26 33 | 4 20 | 13 35 | 1 15 | 6 35 | 2 18 | 9 5 | 0 48 | 0 38 | 1 39 | 1 17 | 15 22 | 22 13 | 22 18 | 10 56 | 15 51 | 5 58 | T 12 |
| W13 | 20 22 | 15 50 | 3 13 | 16 53 | 0 47 | 19 16 | 1 25 | 26 36 | 4 20 | 13 37 | 1 15 | 6 36 | 2 18 | 9 6 | 0 48 | 0 37 | 1 39 | 1 17 | 15 22 | 22 13 | 22 18 | 10 54 | 15 50 | 5 58 | W13 |
| T 14 | 20 9 | 11 16 | 4 11 | 16 15 | 0 36 | 18 56 | 1 26 | 26 38 | 4 20 | 13 39 | 1 16 | 6 37 | 2 18 | 9 7 | 0 48 | 0 37 | 1 39 | 1 16 | 15 22 | 22 13 | 22 19 | 10 52 | 15 50 | 5 58 | T 14 |
| F 15 | 19 56 | 6 5 | 4 52 | 15 37 | 0 24 | 18 36 | 1 27 | 26 41 | 4 20 | 13 42 | 1 16 | 6 39 | 2 19 | 9 7 | 0 48 | 0 37 | 1 39 | 1 16 | 15 21 | 22 14 | 22 19 | 10 50 | 15 49 | 5 58 | F 15 |
| S 16 | 19 42 | 0 39 | 5 13 | 15 0 | 0 12 | 18 15 | 1 27 | 26 44 | 4 19 | 13 44 | 1 16 | 6 40 | 2 19 | 9 8 | 0 48 | 0 37 | 1 39 | 1 16 | 15 21 | 22 14 | 22 20 | 10 48 | 15 48 | 5 58 | S 16 |
| S 17 | 19 28 | 4s41 | 5 15 | 14 22 | 0n 2 | 17 53 | 1 28 | 26 46 | 4 19 | 13 46 | 1 16 | 6 41 | 2 19 | 9 9 | 0 48 | 0 36 | 1 39 | 1 15 | 15 21 | 22 14 | 22 20 | 10 46 | 15 47 | 5 58 | S 17 |
| M18 | 19 14 | 9 40 | 4 58 | 13 46 | 0 16 | 17 31 | 1 28 | 26 48 | 4 18 | 13 49 | 1 16 | 6 42 | 2 19 | 9 10 | 0 48 | 0 36 | 1 39 | 1 15 | 15 20 | 22 14 | 22 20 | 10 44 | 15 46 | 5 58 | M18 |
| T 19 | 18 59 | 14 4 | 4 25 | 13 11 | 0 31 | 17 9 | 1 28 | 26 50 | 4 18 | 13 52 | 1 17 | 6 44 | 2 20 | 9 10 | 0 48 | 0 36 | 1 39 | 1 15 | 15 20 | 22 14 | 22 21 | 10 42 | 15 45 | 5 58 | T 19 |
| W20 | 18 44 | 17 40 | 3 39 | 12 38 | 0 47 | 16 46 | 1 29 | 26 51 | 4 17 | 13 54 | 1 17 | 6 45 | 2 20 | 9 11 | 0 48 | 0 36 | 1 39 | 1 14 | 15 20 | 22 14 | 22 21 | 10 39 | 15 44 | 5 58 | W20 |
| T 21 | 18 29 | 20 19 | 2 42 | 12 6 | 1 3 | 16 22 | 1 29 | 26 53 | 4 16 | 13 57 | 1 17 | 6 46 | 2 20 | 9 12 | 0 48 | 0 35 | 1 39 | 1 14 | 15 19 | 22 13 | 22 22 | 10 37 | 15 43 | 5 58 | T 21 |
| F 22 | 18 13 | 21 54 | 1 39 | 11 38 | 1 20 | 15 58 | 1 29 | 26 54 | 4 15 | 13 59 | 1 17 | 6 48 | 2 20 | 9 13 | 0 48 | 0 35 | 1 39 | 1 13 | 15 19 | 22 13 | 22 22 | 10 35 | 15 42 | 5 59 | F 22 |
| S 23 | 17 57 | 22 23 | 0 31 | 11 12 | 1 36 | 15 34 | 1 29 | 26 55 | 4 14 | 14 2 | 1 17 | 6 49 | 2 20 | 9 14 | 0 49 | 0 35 | 1 39 | 1 13 | 15 19 | 22 13 | 22 23 | 10 33 | 15 41 | 5 59 | S 23 |
| S 24 | 17 40 | 21 45 | 0s36 | 10 49 | 1 53 | 15 9 | 1 29 | 26 56 | 4 13 | 14 5 | 1 18 | 6 50 | 2 21 | 9 15 | 0 49 | 0 34 | 1 40 | 1 13 | 15 18 | 22 13 | 22 23 | 10 31 | 15 40 | 5 59 | S 24 |
| M25 | 17 24 | 20 6 | 1 41 | 10 31 | 2 9 | 14 44 | 1 29 | 26 56 | 4 12 | 14 7 | 1 18 | 6 52 | 2 21 | 9 15 | 0 49 | 0 34 | 1 40 | 1 12 | 15 18 | 22 13 | 22 23 | 10 29 | 15 40 | 5 59 | M25 |
| T 26 | 17 7 | 17 34 | 2 41 | 10 16 | 2 25 | 14 19 | 1 29 | 26 57 | 4 11 | 14 10 | 1 18 | 6 53 | 2 21 | 9 16 | 0 49 | 0 33 | 1 40 | 1 12 | 15 18 | 22 14 | 22 24 | 10 27 | 15 39 | 5 59 | T 26 |
| W27 | 16 49 | 14 19 | 3 33 | 10 5 | 2 40 | 13 53 | 1 29 | 26 57 | 4 9 | 14 13 | 1 18 | 6 55 | 2 21 | 9 17 | 0 49 | 0 33 | 1 40 | 1 11 | 15 17 | 22 14 | 22 24 | 10 25 | 15 38 | 5 59 | W27 |
| T 28 | 16 32 | 10 30 | 4 16 | 9 59 | 2 55 | 13 27 | 1 29 | 26 57 | 4 8 | 14 15 | 1 18 | 6 57 | 2 22 | 9 18 | 0 49 | 0 33 | 1 40 | 1 11 | 15 17 | 22 15 | 22 25 | 10 22 | 15 37 | 5 59 | T 28 |
| F 29 | 16 14 | 6 19 | 4 47 | 9 58 | 3 8 | 13 0 | 1 28 | 26 57 | 4 7 | 14 18 | 1 18 | 6 58 | 2 22 | 9 19 | 0 49 | 0 32 | 1 40 | 1 11 | 15 17 | 22 15 | 22 25 | 10 20 | 15 36 | 6 0 | F 29 |
| S 30 | 15 56 | 1 53 | 5 7 | 10 0 | 3 19 | 12 33 | 1 28 | 26 57 | 4 5 | 14 21 | 1 18 | 7 0 | 2 22 | 9 20 | 0 49 | 0 32 | 1 40 | 1 10 | 15 16 | 22 16 | 22 25 | 10 18 | 15 35 | 6 0 | S 30 |
| S 31 | 15s37 | 2n39 | 5s13 | 10s 7 | 3n29 | 12s 6 | 1s28 | 26n57 | 4n 4 | 14n24 | 1n19 | 7n 1 | 2n22 | 9n21 | 0n49 | 0s31 | 1n40 | 1s10 | 15s16 | 22n17 | 22n26 | 10s16 | 15s34 | 6n 0 | S 31 |

Julian Day Number = 2132329.5, Delta T = 16m23s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'19, Lahiri = 11°40'20 Julian Calendar 1 Jan. 1126 == Greg. Calendar 8 Jan. 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## FEBRUARY 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 8 32 | 18♒37'57 | 1♉ 2 | 23°R38 | 3♓28 | 12°R56 | 25°R 8 | 17°R44 | 8°R 0 | 5°R 7 | 5♉ 0 | 18°R22 | 17♋13 | 14♓11 | 23♑42 | M 1 |
| T 2 | 9 12 28 | 19°38'23 | 13°17 | 22♒38 | 4°43 | 12♋47 | 25♌ 0 | 17♍40 | 7♍58 | 5♎ 6 | 5° 1 | 18♋21 | 17°10 | 14°18 | 23°47 | T 2 |
| W 3 | 9 16 25 | 20°38'48 | 25°48 | 21°34 | 5°58 | 12°38 | 24°52 | 17°37 | 7°55 | 5° 5 | 5° 1 | 18°D21 | 17° 7 | 14°25 | 23°52 | W 3 |
| T 4 | 9 20 21 | 21°39'10 | 8♊40 | 20°29 | 7°13 | 12°30 | 24°45 | 17°33 | 7°53 | 5° 4 | 5° 1 | 18°22 | 17° 4 | 14°31 | 23°57 | T 4 |
| F 5 | 9 24 18 | 22°39'30 | 21°56 | 19°23 | 8°27 | 12°23 | 24°37 | 17°29 | 7°50 | 5° 3 | 5° 2 | 18°23 | 17° 0 | 14°38 | 24° 1 | F 5 |
| S 6 | 9 28 14 | 23°39'49 | 5♋40 | 18°18 | 9°42 | 12°17 | 24°29 | 17°25 | 7°48 | 5° 2 | 5° 3 | 18°25 | 16°57 | 14°45 | 24° 6 | S 6 |
| S 7 | 9 32 11 | 24°40'05 | 19°52 | 17°17 | 10°57 | 12°11 | 24°21 | 17°20 | 7°45 | 5° 1 | 5° 3 | 18°R25 | 16°54 | 14°52 | 24°11 | S 7 |
| M 8 | 9 36 7 | 25°40'20 | 4♌30 | 16°19 | 12°11 | 12° 6 | 24°13 | 17°16 | 7°43 | 5° 0 | 5° 4 | 18°24 | 16°51 | 14°58 | 24°15 | M 8 |
| T 9 | 9 40 4 | 26°40'32 | 19°29 | 15°27 | 13°26 | 12° 2 | 24° 5 | 17°12 | 7°40 | 4°58 | 5° 4 | 18°22 | 16°48 | 15° 5 | 24°20 | T 9 |
| W10 | 9 44 1 | 27°40'43 | 4♍41 | 14°40 | 14°41 | 11°59 | 23°57 | 17° 8 | 7°38 | 4°57 | 5° 5 | 18°17 | 16°44 | 15°12 | 24°24 | W10 |
| T 11 | 9 47 57 | 28°40'51 | 19°56 | 14° 0 | 15°55 | 11°57 | 23°50 | 17° 4 | 7°35 | 4°56 | 5° 5 | 18°11 | 16°41 | 15°18 | 24°29 | T 11 |
| F 12 | 9 51 54 | 29°40'58 | 5♎ 3 | 13°26 | 17°10 | 11°55 | 23°42 | 16°59 | 7°32 | 4°55 | 5° 6 | 18° 5 | 16°38 | 15°25 | 24°33 | F 12 |
| S 13 | 9 55 50 | 0♓41'03 | 19°54 | 12°59 | 18°24 | 11°54 | 23°34 | 16°55 | 7°30 | 4°53 | 5° 7 | 17°59 | 16°35 | 15°32 | 24°38 | S 13 |
| S 14 | 9 59 47 | 1°41'07 | 4♏21 | 12°40 | 19°39 | 11°D54 | 23°26 | 16°50 | 7°27 | 4°52 | 5° 7 | 17°54 | 16°32 | 15°38 | 24°42 | S 14 |
| M15 | 10 3 43 | 2°41'09 | 18°21 | 12°27 | 20°53 | 11°54 | 23°18 | 16°46 | 7°25 | 4°51 | 5° 8 | 17°51 | 16°29 | 15°45 | 24°47 | M15 |
| T 16 | 10 7 40 | 3°41'09 | 1♐54 | 12°D21 | 22° 7 | 11°56 | 23°11 | 16°41 | 7°22 | 4°49 | 5° 9 | 17°D50 | 16°25 | 15°52 | 24°51 | T 16 |
| W17 | 10 11 36 | 4°41'08 | 15° 1 | 12°21 | 23°22 | 11°58 | 23° 3 | 16°37 | 7°19 | 4°48 | 5°10 | 17°51 | 16°22 | 15°59 | 24°55 | W17 |
| T 18 | 10 15 33 | 5°41'05 | 27°47 | 12°27 | 24°36 | 12° 0 | 22°56 | 16°32 | 7°17 | 4°47 | 5°10 | 17°52 | 16°19 | 16° 5 | 25° 0 | T 18 |
| F 19 | 10 19 30 | 6°41'01 | 10♑15 | 12°40 | 25°50 | 12° 4 | 22°48 | 16°28 | 7°14 | 4°45 | 5°11 | 17°53 | 16°16 | 16°12 | 25° 4 | F 19 |
| S 20 | 10 23 26 | 7°40'54 | 22°29 | 12°57 | 27° 5 | 12° 8 | 22°41 | 16°23 | 7°12 | 4°44 | 5°12 | 17°R53 | 16°13 | 16°19 | 25° 8 | S 20 |
| S 21 | 10 27 23 | 8°40'46 | 4♒33 | 13°20 | 28°19 | 12°13 | 22°33 | 16°18 | 7° 9 | 4°42 | 5°13 | 17°52 | 16°10 | 16°25 | 25°12 | S 21 |
| M22 | 10 31 19 | 9°40'36 | 16°31 | 13°48 | 29°33 | 12°18 | 22°26 | 16°14 | 7° 6 | 4°41 | 5°13 | 17°48 | 16° 6 | 16°32 | 25°16 | M22 |
| T 23 | 10 35 16 | 10°40'24 | 28°24 | 14°21 | 0♈47 | 12°24 | 22°19 | 16° 9 | 7° 4 | 4°40 | 5°14 | 17°41 | 16° 3 | 16°39 | 25°20 | T 23 |
| W24 | 10 39 12 | 11°40'10 | 10♓16 | 14°58 | 2° 2 | 12°31 | 22°12 | 16° 4 | 7° 1 | 4°38 | 5°15 | 17°32 | 16° 0 | 16°45 | 25°24 | W24 |
| T 25 | 10 43 9 | 12°39'54 | 22° 6 | 15°39 | 3°16 | 12°38 | 22° 5 | 16° 0 | 6°59 | 4°37 | 5°16 | 17°22 | 15°57 | 16°52 | 25°28 | T 25 |
| F 26 | 10 47 5 | 13°39'36 | 3♈58 | 16°23 | 4°30 | 12°46 | 21°58 | 15°55 | 6°56 | 4°35 | 5°17 | 17°11 | 15°54 | 16°59 | 25°32 | F 26 |
| S 27 | 10 51 2 | 14°39'16 | 15°53 | 17°11 | 5°44 | 12°55 | 21°51 | 15°50 | 6°53 | 4°34 | 5°18 | 17° 0 | 15°50 | 17° 6 | 25°36 | S 27 |
| S 28 | 10 54 59 | 15♓38'54 | 27♈52 | 18♒ 3 | 6♈58 | 13♋ 4 | 21♌44 | 15♍46 | 6♍51 | 4♎32 | 5♉19 | 16♋49 | 15♋47 | 17♓12 | 25♑40 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15s19 | 7n 7 | 5s 5 | 10s18 | 3n37 | 11s38 | 1s27 | 26n56 | 4n 2 | 14n26 | 1n19 | 7n 3 | 2n22 | 9n22 | 0n49 | 0s31 | 1n40 | 1s 9 | 15s16 | 22n17 | 22n26 | 10s14 | 15s33 | 6n 0 |
| T 2 | 15 0 | 11 23 | 4 44 | 10 32 | 3 42 | 11 10 | 1 26 | 26 56 | 4 1 | 14 29 | 1 19 | 7 5 | 2 23 | 9 23 | 0 49 | 0 30 | 1 40 | 1 9 | 15 15 | 22 17 | 22 27 | 10 12 | 15 32 | 6 0 |
| W 3 | 14 41 | 15 16 | 4 9 | 10 49 | 3 45 | 10 42 | 1 26 | 26 55 | 3 59 | 14 32 | 1 19 | 7 6 | 2 23 | 9 24 | 0 49 | 0 30 | 1 40 | 1 8 | 15 15 | 22 17 | 22 27 | 10 9 | 15 31 | 6 1 |
| T 4 | 14 21 | 18 33 | 3 20 | 11 9 | 3 47 | 10 13 | 1 25 | 26 54 | 3 58 | 14 35 | 1 19 | 7 8 | 2 23 | 9 24 | 0 49 | 0 30 | 1 40 | 1 8 | 15 15 | 22 17 | 22 27 | 10 7 | 15 30 | 6 1 |
| F 5 | 14 2 | 20 59 | 2 20 | 11 31 | 3 45 | 9 44 | 1 24 | 26 53 | 3 56 | 14 37 | 1 19 | 7 10 | 2 23 | 9 25 | 0 49 | 0 29 | 1 40 | 1 7 | 15 14 | 22 17 | 22 28 | 10 5 | 15 29 | 6 1 |
| S 6 | 13 42 | 22 17 | 1 9 | 11 53 | 3 42 | 9 15 | 1 24 | 26 52 | 3 54 | 14 40 | 1 19 | 7 12 | 2 23 | 9 26 | 0 49 | 0 29 | 1 40 | 1 7 | 15 14 | 22 17 | 22 28 | 10 3 | 15 28 | 6 1 |
| S 7 | 13 22 | 22 12 | 0n 8 | 12 17 | 3 37 | 8 46 | 1 23 | 26 51 | 3 53 | 14 43 | 1 19 | 7 13 | 2 23 | 9 27 | 0 49 | 0 28 | 1 40 | 1 7 | 15 14 | 22 17 | 22 29 | 10 1 | 15 27 | 6 1 |
| M 8 | 13 1 | 20 38 | 1 26 | 12 41 | 3 30 | 8 17 | 1 22 | 26 50 | 3 51 | 14 45 | 1 19 | 7 15 | 2 24 | 9 28 | 0 49 | 0 28 | 1 40 | 1 6 | 15 13 | 22 17 | 22 29 | 9 58 | 15 26 | 6 2 |
| T 9 | 12 41 | 17 35 | 2 41 | 13 5 | 3 21 | 7 47 | 1 21 | 26 48 | 3 49 | 14 48 | 1 19 | 7 17 | 2 24 | 9 29 | 0 49 | 0 27 | 1 40 | 1 6 | 15 13 | 22 17 | 22 29 | 9 56 | 15 25 | 6 2 |
| W10 | 12 20 | 13 19 | 3 45 | 13 28 | 3 11 | 7 17 | 1 20 | 26 47 | 3 47 | 14 51 | 1 19 | 7 19 | 2 24 | 9 30 | 0 49 | 0 27 | 1 40 | 1 5 | 15 13 | 22 18 | 22 30 | 9 54 | 15 24 | 6 2 |
| T 11 | 11 59 | 8 11 | 4 33 | 13 50 | 2 59 | 6 47 | 1 18 | 26 45 | 3 46 | 14 54 | 1 20 | 7 21 | 2 24 | 9 31 | 0 49 | 0 26 | 1 40 | 1 5 | 15 12 | 22 19 | 22 30 | 9 52 | 15 23 | 6 2 |
| F 12 | 11 38 | 2 36 | 5 2 | 14 12 | 2 47 | 6 17 | 1 17 | 26 44 | 3 44 | 14 56 | 1 20 | 7 22 | 2 24 | 9 32 | 0 49 | 0 26 | 1 40 | 1 4 | 15 12 | 22 19 | 22 31 | 9 50 | 15 22 | 6 3 |
| S 13 | 11 17 | 3s 3 | 5 9 | 14 31 | 2 35 | 5 46 | 1 16 | 26 42 | 3 42 | 14 59 | 1 20 | 7 24 | 2 24 | 9 33 | 0 49 | 0 25 | 1 40 | 1 4 | 15 12 | 22 20 | 22 31 | 9 47 | 15 21 | 6 3 |
| S 14 | 10 56 | 8 22 | 4 57 | 14 50 | 2 21 | 5 16 | 1 15 | 26 40 | 3 40 | 15 1 | 1 20 | 7 26 | 2 24 | 9 34 | 0 49 | 0 24 | 1 40 | 1 3 | 15 11 | 22 21 | 22 31 | 9 45 | 15 20 | 6 3 |
| M15 | 10 34 | 13 6 | 4 27 | 15 6 | 2 8 | 4 45 | 1 13 | 26 38 | 3 38 | 15 4 | 1 20 | 7 28 | 2 25 | 9 35 | 0 49 | 0 24 | 1 41 | 1 3 | 15 11 | 22 21 | 22 32 | 9 43 | 15 19 | 6 3 |
| T 16 | 10 12 | 17 0 | 3 43 | 15 21 | 1 54 | 4 14 | 1 12 | 26 36 | 3 37 | 15 7 | 1 20 | 7 30 | 2 25 | 9 36 | 0 49 | 0 23 | 1 41 | 1 2 | 15 11 | 22 21 | 22 32 | 9 41 | 15 18 | 6 4 |
| W17 | 9 50 | 19 55 | 2 48 | 15 35 | 1 40 | 3 43 | 1 10 | 26 34 | 3 35 | 15 9 | 1 20 | 7 32 | 2 25 | 9 37 | 0 49 | 0 23 | 1 41 | 1 2 | 15 11 | 22 21 | 22 33 | 9 39 | 15 17 | 6 4 |
| T 18 | 9 28 | 21 46 | 1 47 | 15 46 | 1 26 | 3 12 | 1 9 | 26 32 | 3 33 | 15 12 | 1 20 | 7 34 | 2 25 | 9 38 | 0 49 | 0 22 | 1 41 | 1 1 | 15 10 | 22 21 | 22 33 | 9 36 | 15 16 | 6 4 |
| F 19 | 9 6 | 22 28 | 0 41 | 15 56 | 1 13 | 2 41 | 1 7 | 26 30 | 3 31 | 15 14 | 1 20 | 7 35 | 2 25 | 9 39 | 0 49 | 0 22 | 1 41 | 1 1 | 15 10 | 22 21 | 22 33 | 9 34 | 15 15 | 6 5 |
| S 20 | 8 44 | 22 4 | 0s25 | 16 3 | 0 59 | 2 10 | 1 5 | 26 28 | 3 29 | 15 17 | 1 20 | 7 37 | 2 25 | 9 40 | 0 49 | 0 21 | 1 41 | 1 0 | 15 10 | 22 21 | 22 34 | 9 32 | 15 14 | 6 5 |
| S 21 | 8 21 | 20 39 | 1 29 | 16 10 | 0 46 | 1 39 | 1 4 | 26 26 | 3 27 | 15 19 | 1 20 | 7 39 | 2 25 | 9 41 | 0 49 | 0 20 | 1 41 | 0 59 | 15 9 | 22 21 | 22 34 | 9 30 | 15 13 | 6 5 |
| M22 | 7 59 | 18 18 | 2 28 | 16 14 | 0 33 | 1 7 | 1 2 | 26 23 | 3 25 | 15 21 | 1 20 | 7 41 | 2 25 | 9 42 | 0 49 | 0 20 | 1 41 | 0 59 | 15 9 | 22 22 | 22 35 | 9 28 | 15 11 | 6 5 |
| T 23 | 7 36 | 15 12 | 3 20 | 16 16 | 0 21 | 0 36 | 1 0 | 26 21 | 3 24 | 15 24 | 1 20 | 7 43 | 2 25 | 9 43 | 0 49 | 0 19 | 1 41 | 0 58 | 15 9 | 22 23 | 22 35 | 9 25 | 15 10 | 6 6 |
| W24 | 7 13 | 11 30 | 4 3 | 16 17 | 0 9 | 0 5 | 0 58 | 26 19 | 3 22 | 15 26 | 1 20 | 7 45 | 2 25 | 9 44 | 0 49 | 0 19 | 1 41 | 0 58 | 15 9 | 22 24 | 22 35 | 9 23 | 15 9 | 6 6 |
| T 25 | 6 50 | 7 22 | 4 36 | 16 16 | 0s 3 | 0n27 | 0 56 | 26 16 | 3 20 | 15 28 | 1 20 | 7 47 | 2 26 | 9 45 | 0 49 | 0 18 | 1 41 | 0 57 | 15 8 | 22 25 | 22 36 | 9 21 | 15 8 | 6 6 |
| F 26 | 6 27 | 2 57 | 4 56 | 16 14 | 0 14 | 0 58 | 0 54 | 26 13 | 3 18 | 15 31 | 1 20 | 7 49 | 2 26 | 9 46 | 0 49 | 0 17 | 1 41 | 0 57 | 15 8 | 22 27 | 22 36 | 9 19 | 15 7 | 6 7 |
| S 27 | 6 4 | 1n36 | 5 4 | 16 10 | 0 25 | 1 30 | 0 52 | 26 11 | 3 16 | 15 33 | 1 20 | 7 51 | 2 26 | 9 47 | 0 49 | 0 17 | 1 41 | 0 56 | 15 8 | 22 28 | 22 36 | 9 16 | 15 6 | 6 7 |
| S 28 | 5s41 | 6n 7 | 4s59 | 16s 4 | 0s36 | 2n 1 | 0s50 | 26n 8 | 3n15 | 15n35 | 1n20 | 7n53 | 2n26 | 9n48 | 0n49 | 0s16 | 1n41 | 0s56 | 15s 7 | 22n29 | 22n37 | 9s14 | 15s 5 | 6n 7 |

Julian Day Number = 2132360.5, Delta T = 16m23s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'24, Lahiri = 11°40'24 Julian Calendar 1 Feb. 1126 == Greg. Calendar 8 Feb. 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## MARCH 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 58 55 | 16♓38'29 | 9♉58 | 18♒57 | 8♈12 | 13♋13 | 21°R38 | 15°R41 | 6°R48 | 4°R31 | 5♉20 | 16°R41 | 15♋44 | 17♓19 | 25♏43 | M 1 |
| T 2 | 11 2 52 | 17°38'02 | 22°14 | 19°55 | 9°26 | 13°24 | 21♌31 | 15♍36 | 6♍46 | 4♎29 | 5°21 | 16♋36 | 15°41 | 17°26 | 25°47 | T 2 |
| W 3 | 11 6 48 | 18°37'33 | 4♊44 | 20°55 | 10°40 | 13°35 | 21°25 | 15°31 | 6°43 | 4°27 | 5°22 | 16°33 | 15°38 | 17°32 | 25°51 | W 3 |
| T 4 | 11 10 45 | 19°37'02 | 17°31 | 21°58 | 11°54 | 13°46 | 21°19 | 15°27 | 6°41 | 4°26 | 5°23 | 16°D32 | 15°35 | 17°39 | 25°54 | T 4 |
| F 5 | 11 14 41 | 20°36'28 | 0♋39 | 23° 3 | 13° 7 | 13°58 | 21°13 | 15°22 | 6°38 | 4°24 | 5°24 | 16°32 | 15°31 | 17°46 | 25°58 | F 5 |
| S 6 | 11 18 38 | 21°35'52 | 14°12 | 24°11 | 14°21 | 14°11 | 21° 7 | 15°17 | 6°36 | 4°23 | 5°25 | 16°R32 | 15°28 | 17°53 | 26° 1 | S 6 |
| S 7 | 11 22 34 | 22°35'13 | 28°13 | 25°21 | 15°35 | 14°24 | 21° 1 | 15°13 | 6°33 | 4°21 | 5°26 | 16°32 | 15°25 | 17°59 | 26° 5 | S 7 |
| M 8 | 11 26 31 | 23°34'32 | 12♌41 | 26°33 | 16°49 | 14°37 | 20°55 | 15° 8 | 6°31 | 4°19 | 5°27 | 16°29 | 15°22 | 18° 6 | 26° 8 | M 8 |
| T 9 | 11 30 28 | 24°33'49 | 27°34 | 27°47 | 18° 2 | 14°51 | 20°50 | 15° 3 | 6°28 | 4°18 | 5°28 | 16°24 | 15°19 | 18°13 | 26°11 | T 9 |
| W10 | 11 34 24 | 25°33'04 | 12♍45 | 29° 3 | 19°16 | 15° 6 | 20°44 | 14°59 | 6°26 | 4°16 | 5°29 | 16°17 | 15°16 | 18°19 | 26°15 | W10 |
| T 11 | 11 38 21 | 26°32'16 | 28° 5 | 0♓21 | 20°29 | 15°21 | 20°39 | 14°54 | 6°23 | 4°15 | 5°30 | 16° 7 | 15°12 | 18°26 | 26°18 | T 11 |
| F 12 | 11 42 17 | 27°31'26 | 13♎23 | 1°41 | 21°43 | 15°36 | 20°34 | 14°50 | 6°21 | 4°13 | 5°31 | 15°57 | 15° 9 | 18°33 | 26°21 | F 12 |
| S 13 | 11 46 14 | 28°30'34 | 28°26 | 3° 3 | 22°56 | 15°52 | 20°29 | 14°45 | 6°19 | 4°11 | 5°32 | 15°47 | 15° 6 | 18°39 | 26°24 | S 13 |
| S 14 | 11 50 10 | 29°29'40 | 13♏ 6 | 4°26 | 24°10 | 16° 8 | 20°24 | 14°41 | 6°16 | 4°10 | 5°33 | 15°38 | 15° 3 | 18°46 | 26°27 | S 14 |
| M15 | 11 54 7 | 0♈28'45 | 27°18 | 5°51 | 25°23 | 16°25 | 20°19 | 14°36 | 6°14 | 4° 8 | 5°34 | 15°32 | 15° 0 | 18°53 | 26°30 | M15 |
| T 16 | 11 58 3 | 1°27'48 | 11♐ 0 | 7°18 | 26°37 | 16°42 | 20°15 | 14°32 | 6°12 | 4° 6 | 5°35 | 15°28 | 14°56 | 19° 0 | 26°33 | T 16 |
| W17 | 12 2 0 | 2°26'49 | 24°13 | 8°46 | 27°50 | 17° 0 | 20°11 | 14°27 | 6° 9 | 4° 5 | 5°37 | 15°27 | 14°53 | 19° 6 | 26°36 | W17 |
| T 18 | 12 5 56 | 3°25'48 | 7♑ 0 | 10°16 | 29° 3 | 17°18 | 20° 6 | 14°23 | 6° 7 | 4° 3 | 5°38 | 15°D27 | 14°50 | 19°13 | 26°39 | T 18 |
| F 19 | 12 9 53 | 4°24'45 | 19°26 | 11°48 | 0♉16 | 17°36 | 20° 2 | 14°19 | 6° 5 | 4° 1 | 5°39 | 15°R27 | 14°47 | 19°20 | 26°41 | F 19 |
| S 20 | 12 13 50 | 5°23'41 | 1♒36 | 13°21 | 1°30 | 17°55 | 19°59 | 14°15 | 6° 3 | 4° 0 | 5°40 | 15°26 | 14°44 | 19°26 | 26°44 | S 20 |
| S 21 | 12 17 46 | 6°22'35 | 13°35 | 14°56 | 2°43 | 18°14 | 19°55 | 14°10 | 6° 1 | 3°58 | 5°41 | 15°23 | 14°41 | 19°33 | 26°47 | S 21 |
| M22 | 12 21 43 | 7°21'27 | 25°28 | 16°32 | 3°56 | 18°33 | 19°52 | 14° 6 | 5°58 | 3°57 | 5°43 | 15°18 | 14°37 | 19°40 | 26°49 | M22 |
| T 23 | 12 25 39 | 8°20'17 | 7♓17 | 18°10 | 5° 9 | 18°53 | 19°48 | 14° 2 | 5°56 | 3°55 | 5°44 | 15° 9 | 14°34 | 19°47 | 26°52 | T 23 |
| W24 | 12 29 36 | 9°19'05 | 19° 7 | 19°49 | 6°22 | 19°13 | 19°45 | 13°58 | 5°54 | 3°53 | 5°45 | 14°58 | 14°31 | 19°53 | 26°54 | W24 |
| T 25 | 12 33 32 | 10°17'51 | 0♈59 | 21°30 | 7°35 | 19°34 | 19°42 | 13°54 | 5°52 | 3°52 | 5°46 | 14°45 | 14°28 | 20° 0 | 26°57 | T 25 |
| F 26 | 12 37 29 | 11°16'35 | 12°55 | 23°13 | 8°48 | 19°55 | 19°39 | 13°50 | 5°50 | 3°50 | 5°47 | 14°30 | 14°25 | 20° 7 | 26°59 | F 26 |
| S 27 | 12 41 25 | 12°15'17 | 24°57 | 24°57 | 10° 1 | 20°16 | 19°37 | 13°46 | 5°48 | 3°48 | 5°49 | 14°16 | 14°21 | 20°13 | 27° 1 | S 27 |
| S 28 | 12 45 22 | 13°13'57 | 7♉ 4 | 26°43 | 11°13 | 20°38 | 19°34 | 13°43 | 5°46 | 3°47 | 5°50 | 14° 3 | 14°18 | 20°20 | 27° 3 | S 28 |
| M29 | 12 49 19 | 14°12'35 | 19°20 | 28°30 | 12°26 | 20°59 | 19°32 | 13°39 | 5°45 | 3°45 | 5°51 | 13°52 | 14°15 | 20°27 | 27° 5 | M29 |
| T 30 | 12 53 15 | 15°11'11 | 1♊44 | 0♈19 | 13°39 | 21°22 | 19°30 | 13°35 | 5°43 | 3°43 | 5°53 | 13°45 | 14°12 | 20°34 | 27° 7 | T 30 |
| W31 | 12 57 12 | 16♈ 9'45 | 14♊20 | 2♈ 9 | 14♉51 | 21♋44 | 19♌28 | 13♍32 | 5♍41 | 3♎42 | 5♉54 | 13♋40 | 14♋ 9 | 20♓40 | 27♑ 9 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s18 | 10n27 | 4s40 | 15s56 | 0s46 | 2n32 | 0s48 | 26n 5 | 3n13 | 15n37 | 1n20 | 7n55 | 2n26 | 9n49 | 0n49 | 0s15 | 1n41 | 0s55 | 15s 7 | 22n30 | 22n37 | 9s12 | 15s 4 | 6n 8 |
| T 2 | 4 55 | 14 25 | 4 8 | 15 47 | 0 55 | 3 3 | 0 45 | 26 2 | 3 11 | 15 39 | 1 20 | 7 56 | 2 26 | 9 50 | 0 49 | 0 15 | 1 41 | 0 55 | 15 7 | 22 31 | 22 38 | 9 10 | 15 3 | 6 8 |
| W 3 | 4 31 | 17 51 | 3 24 | 15 36 | 1 4 | 3 35 | 0 43 | 26 0 | 3 9 | 15 41 | 1 20 | 7 58 | 2 26 | 9 51 | 0 49 | 0 14 | 1 41 | 0 54 | 15 7 | 22 31 | 22 38 | 9 7 | 15 2 | 6 8 |
| T 4 | 4 8 | 20 30 | 2 28 | 15 24 | 1 13 | 4 6 | 0 41 | 25 57 | 3 8 | 15 43 | 1 20 | 8 0 | 2 26 | 9 51 | 0 49 | 0 13 | 1 41 | 0 54 | 15 6 | 22 31 | 22 38 | 9 5 | 15 1 | 6 9 |
| F 5 | 3 44 | 22 9 | 1 24 | 15 10 | 1 21 | 4 37 | 0 39 | 25 54 | 3 6 | 15 45 | 1 20 | 8 2 | 2 26 | 9 52 | 0 49 | 0 13 | 1 41 | 0 53 | 15 6 | 22 31 | 22 39 | 9 3 | 15 0 | 6 9 |
| S 6 | 3 21 | 22 35 | 0 12 | 14 55 | 1 29 | 5 8 | 0 36 | 25 51 | 3 4 | 15 47 | 1 19 | 8 4 | 2 26 | 9 53 | 0 49 | 0 12 | 1 41 | 0 52 | 15 6 | 22 31 | 22 39 | 9 1 | 14 59 | 6 10 |
| S 7 | 2 57 | 21 37 | 1n 2 | 14 38 | 1 36 | 5 39 | 0 34 | 25 47 | 3 2 | 15 49 | 1 19 | 8 6 | 2 26 | 9 54 | 0 49 | 0 12 | 1 41 | 0 52 | 15 6 | 22 31 | 22 39 | 8 58 | 14 58 | 6 10 |
| M 8 | 2 34 | 19 14 | 2 14 | 14 20 | 1 43 | 6 9 | 0 31 | 25 44 | 3 1 | 15 51 | 1 19 | 8 7 | 2 26 | 9 55 | 0 49 | 0 11 | 1 41 | 0 51 | 15 6 | 22 32 | 22 40 | 8 56 | 14 57 | 6 10 |
| T 9 | 2 10 | 15 30 | 3 20 | 14 0 | 1 49 | 6 40 | 0 29 | 25 41 | 2 59 | 15 52 | 1 19 | 8 9 | 2 26 | 9 56 | 0 49 | 0 10 | 1 41 | 0 51 | 15 5 | 22 32 | 22 40 | 8 54 | 14 56 | 6 11 |
| W10 | 1 47 | 10 41 | 4 12 | 13 39 | 1 55 | 7 10 | 0 26 | 25 38 | 2 57 | 15 54 | 1 19 | 8 11 | 2 26 | 9 57 | 0 49 | 0 10 | 1 41 | 0 50 | 15 5 | 22 33 | 22 40 | 8 51 | 14 55 | 6 11 |
| T 11 | 1 23 | 5 9 | 4 47 | 13 16 | 2 0 | 7 41 | 0 24 | 25 34 | 2 56 | 15 56 | 1 19 | 8 13 | 2 26 | 9 58 | 0 49 | 0 9 | 1 41 | 0 50 | 15 5 | 22 34 | 22 41 | 8 49 | 14 54 | 6 11 |
| F 12 | 0 59 | 0s41 | 5 2 | 12 52 | 2 5 | 8 11 | 0 21 | 25 31 | 2 54 | 15 57 | 1 19 | 8 15 | 2 26 | 9 59 | 0 49 | 0 8 | 1 41 | 0 49 | 15 5 | 22 36 | 22 41 | 8 47 | 14 54 | 6 12 |
| S 13 | 0 36 | 6 23 | 4 55 | 12 26 | 2 9 | 8 41 | 0 18 | 25 27 | 2 52 | 15 59 | 1 19 | 8 16 | 2 26 | 10 0 | 0 49 | 0 8 | 1 41 | 0 49 | 15 4 | 22 37 | 22 42 | 8 45 | 14 53 | 6 12 |
| S 14 | 0 12 | 11 35 | 4 28 | 11 59 | 2 13 | 9 10 | 0 16 | 25 24 | 2 51 | 16 0 | 1 19 | 8 18 | 2 26 | 10 0 | 0 49 | 0 7 | 1 41 | 0 48 | 15 4 | 22 38 | 22 42 | 8 42 | 14 52 | 6 13 |
| M15 | 0n11 | 15 59 | 3 46 | 11 31 | 2 16 | 9 40 | 0 13 | 25 20 | 2 49 | 16 1 | 1 19 | 8 20 | 2 26 | 10 1 | 0 49 | 0 6 | 1 41 | 0 48 | 15 4 | 22 39 | 22 42 | 8 40 | 14 51 | 6 13 |
| T 16 | 0 35 | 19 22 | 2 52 | 11 1 | 2 19 | 10 9 | 0 10 | 25 16 | 2 47 | 16 3 | 1 19 | 8 22 | 2 26 | 10 2 | 0 49 | 0 6 | 1 41 | 0 47 | 15 4 | 22 39 | 22 43 | 8 38 | 14 50 | 6 14 |
| W17 | 0 59 | 21 36 | 1 50 | 10 30 | 2 22 | 10 38 | 0 8 | 25 12 | 2 46 | 16 4 | 1 19 | 8 23 | 2 26 | 10 3 | 0 49 | 0 5 | 1 41 | 0 46 | 15 4 | 22 39 | 22 43 | 8 35 | 14 49 | 6 14 |
| T 18 | 1 22 | 22 37 | 0 45 | 9 58 | 2 24 | 11 7 | 0 5 | 25 8 | 2 44 | 16 5 | 1 18 | 8 25 | 2 26 | 10 4 | 0 49 | 0 4 | 1 41 | 0 46 | 15 3 | 22 39 | 22 43 | 8 33 | 14 48 | 6 14 |
| F 19 | 1 46 | 22 29 | 0s21 | 9 24 | 2 25 | 11 35 | 0 2 | 25 4 | 2 43 | 16 6 | 1 18 | 8 26 | 2 26 | 10 5 | 0 49 | 0 4 | 1 41 | 0 45 | 15 3 | 22 39 | 22 44 | 8 31 | 14 47 | 6 15 |
| S 20 | 2 9 | 21 16 | 1 24 | 8 49 | 2 26 | 12 4 | 0n 1 | 25 0 | 2 41 | 16 8 | 1 18 | 8 28 | 2 26 | 10 5 | 0 49 | 0 3 | 1 41 | 0 45 | 15 3 | 22 39 | 22 44 | 8 28 | 14 46 | 6 15 |
| S 21 | 2 33 | 19 6 | 2 23 | 8 13 | 2 26 | 12 32 | 0 4 | 24 56 | 2 39 | 16 9 | 1 18 | 8 30 | 2 26 | 10 6 | 0 49 | 0 2 | 1 41 | 0 44 | 15 3 | 22 40 | 22 44 | 8 26 | 14 45 | 6 16 |
| M22 | 2 56 | 16 9 | 3 15 | 7 35 | 2 26 | 12 59 | 0 6 | 24 52 | 2 38 | 16 10 | 1 18 | 8 31 | 2 26 | 10 7 | 0 49 | 0 2 | 1 41 | 0 44 | 15 3 | 22 40 | 22 45 | 8 24 | 14 44 | 6 16 |
| T 23 | 3 19 | 12 33 | 3 58 | 6 56 | 2 26 | 13 27 | 0 9 | 24 48 | 2 36 | 16 11 | 1 18 | 8 33 | 2 26 | 10 8 | 0 49 | 0 1 | 1 41 | 0 43 | 15 3 | 22 41 | 22 45 | 8 22 | 14 43 | 6 17 |
| W24 | 3 43 | 8 28 | 4 30 | 6 16 | 2 25 | 13 54 | 0 12 | 24 43 | 2 35 | 16 11 | 1 18 | 8 34 | 2 26 | 10 8 | 0 48 | 0 0 | 1 41 | 0 43 | 15 2 | 22 42 | 22 45 | 8 19 | 14 42 | 6 17 |
| T 25 | 4 6 | 4 3 | 4 51 | 5 34 | 2 23 | 14 20 | 0 15 | 24 39 | 2 33 | 16 12 | 1 18 | 8 36 | 2 25 | 10 9 | 0 48 | 0n 0 | 1 41 | 0 42 | 15 2 | 22 44 | 22 46 | 8 17 | 14 42 | 6 17 |
| F 26 | 4 29 | 0n32 | 4 59 | 4 52 | 2 21 | 14 47 | 0 18 | 24 34 | 2 32 | 16 13 | 1 17 | 8 37 | 2 25 | 10 10 | 0 48 | 0 1 | 1 41 | 0 42 | 15 2 | 22 46 | 22 46 | 8 15 | 14 41 | 6 18 |
| S 27 | 4 52 | 5 8 | 4 54 | 4 8 | 2 18 | 15 13 | 0 21 | 24 30 | 2 30 | 16 14 | 1 17 | 8 39 | 2 25 | 10 10 | 0 48 | 0 2 | 1 41 | 0 41 | 15 2 | 22 47 | 22 46 | 8 12 | 14 40 | 6 18 |
| S 28 | 5 15 | 9 35 | 4 36 | 3 23 | 2 15 | 15 38 | 0 24 | 24 25 | 2 29 | 16 14 | 1 17 | 8 40 | 2 25 | 10 11 | 0 48 | 0 2 | 1 41 | 0 41 | 15 2 | 22 48 | 22 47 | 8 10 | 14 39 | 6 19 |
| M29 | 5 38 | 13 43 | 4 5 | 2 37 | 2 12 | 16 4 | 0 26 | 24 20 | 2 28 | 16 15 | 1 17 | 8 41 | 2 25 | 10 12 | 0 48 | 0 3 | 1 41 | 0 40 | 15 2 | 22 50 | 22 47 | 8 8 | 14 38 | 6 19 |
| T 30 | 6 0 | 17 19 | 3 22 | 1 49 | 2 7 | 16 29 | 0 29 | 24 15 | 2 26 | 16 15 | 1 17 | 8 43 | 2 25 | 10 12 | 0 48 | 0 4 | 1 41 | 0 39 | 15 1 | 22 50 | 22 47 | 8 5 | 14 37 | 6 20 |
| W31 | 6n23 | 20n11 | 2s28 | 1s 1 | 2s 3 | 16n53 | 0n32 | 24n10 | 2n25 | 16n16 | 1n17 | 8n44 | 2n25 | 10n13 | 0n48 | 0n 4 | 1n41 | 0s39 | 15s 1 | 22n51 | 22n48 | 8s 3 | 14s36 | 6n20 |

Julian Day Number = 2132388.5, Delta T = 16m23s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'28, Lahiri = 11°40'28 Julian Calendar 1 March 1126 == Greg. Calendar 8 March 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## APRIL 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 1 8 | 17♈ 8'17 | 27♊10 | 4♈ 1 | 16♉ 4 | 22♋ 7 | 19°R27 | 13°R28 | 5°R39 | 3°R40 | 5♉55 | 13°R37 | 14♋ 6 | 20♓47 | 27♑11 | T 1 |
| F 2 | 13 5 5 | 18° 6'46 | 10♋17 | 5°55 | 17°17 | 22°30 | 19♌25 | 13♍25 | 5♍37 | 3♎39 | 5°56 | 13♋37 | 14° 2 | 20°54 | 27°13 | F 2 |
| S 3 | 13 9 1 | 19° 5'14 | 23°44 | 7°50 | 18°29 | 22°53 | 19°24 | 13°21 | 5°36 | 3°37 | 5°58 | 13°37 | 13°59 | 21° 0 | 27°15 | S 3 |
| S 4 | 13 12 58 | 20° 3'39 | 7♌35 | 9°47 | 19°41 | 23°17 | 19°23 | 13°18 | 5°34 | 3°36 | 5°59 | 13°36 | 13°56 | 21° 7 | 27°17 | S 4 |
| M 5 | 13 16 54 | 21° 2'02 | 21°49 | 11°46 | 20°54 | 23°41 | 19°22 | 13°15 | 5°33 | 3°34 | 6° 0 | 13°33 | 13°53 | 21°14 | 27°18 | M 5 |
| T 6 | 13 20 51 | 22° 0'22 | 6♍26 | 13°46 | 22° 6 | 24° 5 | 19°21 | 13°12 | 5°31 | 3°32 | 6° 2 | 13°28 | 13°50 | 21°21 | 27°20 | T 6 |
| W 7 | 13 24 48 | 22°58'41 | 21°22 | 15°47 | 23°18 | 24°30 | 19°21 | 13° 8 | 5°29 | 3°31 | 6° 3 | 13°21 | 13°47 | 21°27 | 27°21 | W 7 |
| T 8 | 13 28 44 | 23°56'57 | 6♎29 | 17°50 | 24°31 | 24°54 | 19°20 | 13° 5 | 5°28 | 3°29 | 6° 4 | 13°11 | 13°43 | 21°34 | 27°23 | T 8 |
| F 9 | 13 32 41 | 24°55'12 | 21°37 | 19°54 | 25°43 | 25°19 | 19°D20 | 13° 3 | 5°27 | 3°28 | 6° 6 | 13° 0 | 13°40 | 21°41 | 27°24 | F 9 |
| S 10 | 13 36 37 | 25°53'24 | 6♏36 | 22° 0 | 26°55 | 25°44 | 19°20 | 13° 0 | 5°25 | 3°26 | 6° 7 | 12°50 | 13°37 | 21°47 | 27°25 | S 10 |
| S 11 | 13 40 34 | 26°51'35 | 21°17 | 24° 7 | 28° 7 | 26°10 | 19°20 | 12°57 | 5°24 | 3°25 | 6° 8 | 12°40 | 13°34 | 21°54 | 27°26 | S 11 |
| M12 | 13 44 30 | 27°49'45 | 5♐33 | 26°14 | 29°19 | 26°36 | 19°21 | 12°54 | 5°23 | 3°23 | 6°10 | 12°34 | 13°31 | 22° 1 | 27°27 | M12 |
| T 13 | 13 48 27 | 28°47'53 | 19°20 | 28°23 | 0♊31 | 27° 1 | 19°21 | 12°52 | 5°21 | 3°22 | 6°11 | 12°29 | 13°27 | 22° 7 | 27°29 | T 13 |
| W14 | 13 52 23 | 29°45'59 | 2♑39 | 0♉32 | 1°42 | 27°28 | 19°22 | 12°49 | 5°20 | 3°20 | 6°12 | 12°27 | 13°24 | 22°14 | 27°30 | W14 |
| T 15 | 13 56 20 | 0♉44'04 | 15°31 | 2°42 | 2°54 | 27°54 | 19°23 | 12°47 | 5°19 | 3°19 | 6°14 | 12°D27 | 13°21 | 22°21 | 27°30 | T 15 |
| F 16 | 14 0 17 | 1°42'08 | 28° 1 | 4°52 | 4° 6 | 28°20 | 19°24 | 12°45 | 5°18 | 3°18 | 6°15 | 12°R27 | 13°18 | 22°28 | 27°31 | F 16 |
| S 17 | 14 4 13 | 2°40'10 | 10♒13 | 7° 2 | 5°17 | 28°47 | 19°25 | 12°42 | 5°17 | 3°16 | 6°16 | 12°27 | 13°15 | 22°34 | 27°32 | S 17 |
| S 18 | 14 8 10 | 3°38'10 | 22°13 | 9°11 | 6°29 | 29°14 | 19°27 | 12°40 | 5°16 | 3°15 | 6°18 | 12°26 | 13°12 | 22°41 | 27°33 | S 18 |
| M19 | 14 12 6 | 4°36'09 | 4♓ 5 | 11°20 | 7°41 | 29°41 | 19°28 | 12°38 | 5°15 | 3°14 | 6°19 | 12°22 | 13° 8 | 22°48 | 27°33 | M19 |
| T 20 | 14 16 3 | 5°34'07 | 15°55 | 13°28 | 8°52 | 0♌ 9 | 19°30 | 12°36 | 5°14 | 3°12 | 6°20 | 12°15 | 13° 5 | 22°54 | 27°34 | T 20 |
| W21 | 14 19 59 | 6°32'04 | 27°46 | 15°35 | 10° 3 | 0°36 | 19°32 | 12°34 | 5°13 | 3°11 | 6°22 | 12° 6 | 13° 2 | 23° 1 | 27°34 | W21 |
| T 22 | 14 23 56 | 7°29'59 | 9♈42 | 17°40 | 11°15 | 1° 4 | 19°34 | 12°33 | 5°12 | 3°10 | 6°23 | 11°56 | 12°59 | 23° 8 | 27°35 | T 22 |
| F 23 | 14 27 52 | 8°27'52 | 21°44 | 19°43 | 12°26 | 1°32 | 19°37 | 12°31 | 5°12 | 3° 8 | 6°25 | 11°44 | 12°56 | 23°15 | 27°35 | F 23 |
| S 24 | 14 31 49 | 9°25'44 | 3♉54 | 21°45 | 13°37 | 2° 0 | 19°39 | 12°30 | 5°11 | 3° 7 | 6°26 | 11°32 | 12°52 | 23°21 | 27°35 | S 24 |
| S 25 | 14 35 45 | 10°23'35 | 16°14 | 23°44 | 14°48 | 2°28 | 19°42 | 12°28 | 5°10 | 3° 6 | 6°27 | 11°22 | 12°49 | 23°28 | 27°36 | S 25 |
| M26 | 14 39 42 | 11°21'24 | 28°43 | 25°41 | 15°59 | 2°57 | 19°45 | 12°27 | 5°10 | 3° 5 | 6°29 | 11°13 | 12°46 | 23°35 | 27°36 | M26 |
| T 27 | 14 43 39 | 12°19'12 | 11♊23 | 27°35 | 17°10 | 3°26 | 19°48 | 12°25 | 5° 9 | 3° 3 | 6°30 | 11° 7 | 12°43 | 23°41 | 27°R36 | T 27 |
| W28 | 14 47 35 | 13°16'58 | 24°13 | 29°26 | 18°21 | 3°54 | 19°51 | 12°24 | 5° 9 | 3° 2 | 6°31 | 11° 3 | 12°40 | 23°48 | 27°36 | W28 |
| T 29 | 14 51 32 | 14°14'42 | 7♋16 | 1♊15 | 19°32 | 4°24 | 19°55 | 12°23 | 5° 8 | 3° 1 | 6°33 | 11°D 2 | 12°37 | 23°55 | 27°36 | T 29 |
| F 30 | 14 55 28 | 15♉12'25 | 20♋33 | 3♊ 1 | 20♊43 | 4♌53 | 19♌58 | 12♍22 | 5♍ 8 | 3♎ 0 | 6♉34 | 11♋ 2 | 12♋33 | 24♓ 2 | 27♑36 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n46 | 22n 6 | 1s26 | 0s11 | 1s58 | 17n17 | 0n35 | 24n 5 | 2n23 | 16n16 | 1n17 | 8n45 | 2n25 | 10n14 | 0n48 | 0n 5 | 1n41 | 0s38 | 15s 1 | 22n51 | 22n48 | 8s 1 | 14s36 | 6n21 |
| F 2 | 7 8 | 22 52 | 0 18 | 0n39 | 1 52 | 17 41 | 0 38 | 24 0 | 2 22 | 16 17 | 1 16 | 8 47 | 2 25 | 10 14 | 0 48 | 0 6 | 1 41 | 0 38 | 15 1 | 22 51 | 22 48 | 7 58 | 14 35 | 6 21 |
| S 3 | 7 30 | 22 20 | 0n53 | 1 30 | 1 46 | 18 4 | 0 41 | 23 54 | 2 20 | 16 17 | 1 16 | 8 48 | 2 25 | 10 15 | 0 48 | 0 6 | 1 41 | 0 37 | 15 1 | 22 51 | 22 49 | 7 56 | 14 34 | 6 22 |
| S 4 | 7 53 | 20 27 | 2 3 | 2 23 | 1 39 | 18 27 | 0 44 | 23 49 | 2 19 | 16 17 | 1 16 | 8 49 | 2 24 | 10 16 | 0 48 | 0 7 | 1 41 | 0 37 | 15 1 | 22 51 | 22 49 | 7 54 | 14 33 | 6 22 |
| M 5 | 8 15 | 17 15 | 3 7 | 3 16 | 1 32 | 18 49 | 0 47 | 23 44 | 2 18 | 16 17 | 1 16 | 8 50 | 2 24 | 10 16 | 0 48 | 0 7 | 1 41 | 0 36 | 15 1 | 22 51 | 22 49 | 7 51 | 14 33 | 6 23 |
| T 6 | 8 37 | 12 55 | 4 1 | 4 10 | 1 24 | 19 11 | 0 50 | 23 38 | 2 16 | 16 17 | 1 16 | 8 51 | 2 24 | 10 17 | 0 48 | 0 8 | 1 41 | 0 36 | 15 1 | 22 52 | 22 50 | 7 49 | 14 32 | 6 23 |
| W 7 | 8 58 | 7 43 | 4 39 | 5 4 | 1 16 | 19 32 | 0 52 | 23 32 | 2 15 | 16 17 | 1 16 | 8 52 | 2 24 | 10 17 | 0 48 | 0 9 | 1 41 | 0 35 | 15 1 | 22 53 | 22 50 | 7 46 | 14 31 | 6 23 |
| T 8 | 9 20 | 1 59 | 4 59 | 5 59 | 1 7 | 19 53 | 0 55 | 23 26 | 2 14 | 16 17 | 1 16 | 8 53 | 2 24 | 10 18 | 0 48 | 0 9 | 1 41 | 0 35 | 15 0 | 22 54 | 22 50 | 7 44 | 14 30 | 6 24 |
| F 9 | 9 42 | 3s52 | 4 57 | 6 55 | 0 58 | 20 13 | 0 58 | 23 21 | 2 12 | 16 17 | 1 15 | 8 54 | 2 24 | 10 18 | 0 48 | 0 10 | 1 41 | 0 34 | 15 0 | 22 55 | 22 51 | 7 42 | 14 30 | 6 24 |
| S 10 | 10 3 | 9 27 | 4 36 | 7 51 | 0 49 | 20 33 | 1 1 | 23 15 | 2 11 | 16 17 | 1 15 | 8 55 | 2 24 | 10 19 | 0 48 | 0 10 | 1 41 | 0 34 | 15 0 | 22 56 | 22 51 | 7 39 | 14 29 | 6 25 |
| S 11 | 10 24 | 14 22 | 3 56 | 8 47 | 0 39 | 20 52 | 1 3 | 23 8 | 2 10 | 16 17 | 1 15 | 8 56 | 2 24 | 10 19 | 0 48 | 0 11 | 1 41 | 0 33 | 15 0 | 22 57 | 22 51 | 7 37 | 14 28 | 6 25 |
| M12 | 10 45 | 18 21 | 3 2 | 9 43 | 0 29 | 21 10 | 1 6 | 23 2 | 2 9 | 16 17 | 1 15 | 8 57 | 2 23 | 10 20 | 0 48 | 0 11 | 1 41 | 0 33 | 15 0 | 22 57 | 22 52 | 7 35 | 14 27 | 6 26 |
| T 13 | 11 6 | 21 8 | 1 59 | 10 39 | 0 19 | 21 29 | 1 9 | 22 56 | 2 7 | 16 16 | 1 15 | 8 58 | 2 23 | 10 20 | 0 48 | 0 12 | 1 41 | 0 32 | 15 0 | 22 58 | 22 52 | 7 32 | 14 27 | 6 26 |
| W14 | 11 27 | 22 40 | 0 52 | 11 35 | 0 9 | 21 46 | 1 12 | 22 50 | 2 6 | 16 16 | 1 15 | 8 59 | 2 23 | 10 20 | 0 48 | 0 13 | 1 41 | 0 32 | 15 0 | 22 58 | 22 52 | 7 30 | 14 26 | 6 27 |
| T 15 | 11 47 | 22 55 | 0s16 | 12 30 | 0n 2 | 22 3 | 1 14 | 22 43 | 2 5 | 16 15 | 1 14 | 9 0 | 2 23 | 10 21 | 0 48 | 0 13 | 1 41 | 0 31 | 15 0 | 22 58 | 22 53 | 7 27 | 14 25 | 6 27 |
| F 16 | 12 7 | 21 59 | 1 22 | 13 24 | 0 13 | 22 19 | 1 17 | 22 36 | 2 4 | 16 15 | 1 14 | 9 0 | 2 23 | 10 21 | 0 48 | 0 14 | 1 41 | 0 31 | 15 0 | 22 58 | 22 53 | 7 25 | 14 25 | 6 28 |
| S 17 | 12 27 | 20 2 | 2 22 | 14 17 | 0 23 | 22 35 | 1 19 | 22 30 | 2 2 | 16 14 | 1 14 | 9 1 | 2 23 | 10 21 | 0 48 | 0 14 | 1 41 | 0 31 | 15 0 | 22 58 | 22 53 | 7 23 | 14 24 | 6 28 |
| S 18 | 12 47 | 17 14 | 3 15 | 15 9 | 0 34 | 22 50 | 1 22 | 22 23 | 2 1 | 16 14 | 1 14 | 9 2 | 2 23 | 10 22 | 0 48 | 0 15 | 1 41 | 0 30 | 15 0 | 22 58 | 22 54 | 7 20 | 14 24 | 6 29 |
| M19 | 13 7 | 13 45 | 3 58 | 16 0 | 0 44 | 23 5 | 1 24 | 22 16 | 2 0 | 16 13 | 1 14 | 9 2 | 2 22 | 10 22 | 0 48 | 0 15 | 1 41 | 0 30 | 15 0 | 22 58 | 22 54 | 7 18 | 14 23 | 6 29 |
| T 20 | 13 26 | 9 45 | 4 32 | 16 49 | 0 54 | 23 19 | 1 27 | 22 9 | 1 59 | 16 12 | 1 14 | 9 3 | 2 22 | 10 22 | 0 48 | 0 16 | 1 41 | 0 29 | 15 0 | 22 59 | 22 54 | 7 16 | 14 22 | 6 30 |
| W21 | 13 46 | 5 22 | 4 53 | 17 36 | 1 4 | 23 32 | 1 29 | 22 2 | 1 57 | 16 11 | 1 14 | 9 3 | 2 22 | 10 23 | 0 48 | 0 16 | 1 41 | 0 29 | 15 0 | 23 0 | 22 55 | 7 13 | 14 22 | 6 30 |
| T 22 | 14 5 | 0 46 | 5 2 | 18 22 | 1 14 | 23 45 | 1 32 | 21 54 | 1 56 | 16 11 | 1 13 | 9 4 | 2 22 | 10 23 | 0 48 | 0 17 | 1 41 | 0 28 | 15 0 | 23 1 | 22 55 | 7 11 | 14 21 | 6 31 |
| F 23 | 14 23 | 3n54 | 4 58 | 19 5 | 1 23 | 23 57 | 1 34 | 21 47 | 1 55 | 16 10 | 1 13 | 9 4 | 2 22 | 10 23 | 0 47 | 0 17 | 1 41 | 0 28 | 15 0 | 23 2 | 22 55 | 7 8 | 14 21 | 6 31 |
| S 24 | 14 42 | 8 29 | 4 40 | 19 45 | 1 31 | 24 8 | 1 36 | 21 39 | 1 54 | 16 9 | 1 13 | 9 5 | 2 22 | 10 23 | 0 47 | 0 18 | 1 41 | 0 27 | 15 0 | 23 3 | 22 56 | 7 6 | 14 20 | 6 32 |
| S 25 | 15 0 | 12 47 | 4 9 | 20 24 | 1 39 | 24 19 | 1 38 | 21 32 | 1 53 | 16 8 | 1 13 | 9 5 | 2 21 | 10 24 | 0 47 | 0 18 | 1 41 | 0 27 | 15 0 | 23 4 | 22 56 | 7 4 | 14 20 | 6 32 |
| M26 | 15 19 | 16 37 | 3 26 | 21 0 | 1 47 | 24 29 | 1 41 | 21 24 | 1 52 | 16 7 | 1 13 | 9 6 | 2 21 | 10 24 | 0 47 | 0 19 | 1 41 | 0 27 | 15 0 | 23 5 | 22 56 | 7 1 | 14 19 | 6 33 |
| T 27 | 15 36 | 19 45 | 2 32 | 21 33 | 1 54 | 24 38 | 1 43 | 21 16 | 1 51 | 16 6 | 1 13 | 9 6 | 2 21 | 10 24 | 0 47 | 0 19 | 1 41 | 0 26 | 15 0 | 23 5 | 22 56 | 6 59 | 14 19 | 6 33 |
| W28 | 15 54 | 21 57 | 1 29 | 22 4 | 2 0 | 24 47 | 1 45 | 21 8 | 1 49 | 16 4 | 1 12 | 9 6 | 2 21 | 10 24 | 0 47 | 0 20 | 1 41 | 0 26 | 15 0 | 23 5 | 22 57 | 6 56 | 14 18 | 6 34 |
| T 29 | 16 11 | 23 1 | 0 20 | 22 33 | 2 5 | 24 55 | 1 47 | 21 0 | 1 48 | 16 3 | 1 12 | 9 7 | 2 21 | 10 24 | 0 47 | 0 20 | 1 41 | 0 25 | 15 0 | 23 5 | 22 57 | 6 54 | 14 18 | 6 34 |
| F 30 | 16n28 | 22n49 | 0n51 | 22n59 | 2n10 | 25n 2 | 1n49 | 20n52 | 1n47 | 16n 2 | 1n12 | 9n 7 | 2n21 | 10n24 | 0n47 | 0n20 | 1n41 | 0s25 | 15s 0 | 23n 5 | 22n57 | 6s51 | 14s17 | 6n35 |

Julian Day Number = 2132419.5, Delta T = 16m23s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'32, Lahiri = 11°40'32 Julian Calendar 1 Apr. 1126 == Greg. Calendar 8 Apr. 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## MAY 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 59 25 | 16♉10'06 | 4♌ 5 | 4♊43 | 21♊53 | 5♌22 | 20♌ 2 | 12°R21 | 5°R 8 | 2°R59 | 6♉35 | 11♋ 3 | 12♋30 | 24♓ 8 | 27°R35 | S 1 |
| S 2 | 15 3 21 | 17° 7'46 | 17°54 | 6°23 | 23° 4 | 5°52 | 20° 6 | 12♍21 | 5♍ 7 | 2♎58 | 6°37 | 11°R 3 | 12°27 | 24°15 | 27♏35 | S 2 |
| M 3 | 15 7 18 | 18° 5'24 | 1♍59 | 7°59 | 24°14 | 6°21 | 20°10 | 12°20 | 5° 7 | 2°57 | 6°38 | 11° 3 | 12°24 | 24°22 | 27°35 | M 3 |
| T 4 | 15 11 15 | 19° 3'00 | 16°21 | 9°32 | 25°25 | 6°51 | 20°14 | 12°20 | 5° 7 | 2°56 | 6°39 | 11° 0 | 12°21 | 24°29 | 27°34 | T 4 |
| W 5 | 15 15 11 | 20° 0'35 | 0♎56 | 11° 2 | 26°35 | 7°21 | 20°18 | 12°19 | 5° 7 | 2°55 | 6°41 | 10°55 | 12°18 | 24°35 | 27°34 | W 5 |
| T 6 | 15 19 8 | 20°58'08 | 15°40 | 12°29 | 27°45 | 7°51 | 20°23 | 12°19 | 5° 7 | 2°54 | 6°42 | 10°49 | 12°14 | 24°42 | 27°33 | T 6 |
| F 7 | 15 23 4 | 21°55'40 | 0♏26 | 13°52 | 28°55 | 8°22 | 20°28 | 12°19 | 5°D 7 | 2°53 | 6°43 | 10°41 | 12°11 | 24°49 | 27°32 | F 7 |
| S 8 | 15 27 1 | 22°53'11 | 15° 5 | 15°12 | 0♋ 6 | 8°52 | 20°33 | 12°18 | 5° 7 | 2°52 | 6°45 | 10°34 | 12° 8 | 24°55 | 27°32 | S 8 |
| S 9 | 15 30 57 | 23°50'40 | 29°32 | 16°28 | 1°15 | 9°23 | 20°38 | 12°D18 | 5° 7 | 2°51 | 6°46 | 10°28 | 12° 5 | 25° 2 | 27°31 | S 9 |
| M10 | 15 34 54 | 24°48'09 | 13♐38 | 17°41 | 2°25 | 9°53 | 20°43 | 12°18 | 5° 7 | 2°50 | 6°47 | 10°23 | 12° 2 | 25° 9 | 27°30 | M10 |
| T 11 | 15 38 50 | 25°45'36 | 27°21 | 18°51 | 3°35 | 10°24 | 20°48 | 12°19 | 5° 7 | 2°49 | 6°49 | 10°20 | 11°58 | 25°16 | 27°29 | T 11 |
| W12 | 15 42 47 | 26°43'03 | 10♑39 | 19°57 | 4°45 | 10°55 | 20°53 | 12°19 | 5° 7 | 2°48 | 6°50 | 10°D20 | 11°55 | 25°22 | 27°28 | W12 |
| T 13 | 15 46 44 | 27°40'29 | 23°33 | 20°59 | 5°54 | 11°26 | 20°59 | 12°19 | 5° 8 | 2°47 | 6°51 | 10°20 | 11°52 | 25°29 | 27°27 | T 13 |
| F 14 | 15 50 40 | 28°37'54 | 6♒ 5 | 21°58 | 7° 4 | 11°57 | 21° 5 | 12°20 | 5° 8 | 2°47 | 6°52 | 10°22 | 11°49 | 25°36 | 27°26 | F 14 |
| S 15 | 15 54 37 | 29°35'18 | 18°21 | 22°52 | 8°13 | 12°29 | 21°11 | 12°20 | 5° 8 | 2°46 | 6°54 | 10°23 | 11°46 | 25°42 | 27°25 | S 15 |
| S 16 | 15 58 33 | 0♊32'42 | 0♓23 | 23°43 | 9°22 | 13° 0 | 21°17 | 12°21 | 5° 9 | 2°45 | 6°55 | 10°R24 | 11°43 | 25°49 | 27°23 | S 16 |
| M17 | 16 2 30 | 1°30'04 | 12°18 | 24°30 | 10°32 | 13°32 | 21°23 | 12°22 | 5° 9 | 2°45 | 6°56 | 10°23 | 11°39 | 25°56 | 27°22 | M17 |
| T 18 | 16 6 26 | 2°27'27 | 24°10 | 25°13 | 11°41 | 14° 4 | 21°29 | 12°23 | 5°10 | 2°44 | 6°58 | 10°21 | 11°36 | 26° 3 | 27°21 | T 18 |
| W19 | 16 10 23 | 3°24'48 | 6♈ 4 | 25°52 | 12°50 | 14°35 | 21°36 | 12°24 | 5°11 | 2°43 | 6°59 | 10°17 | 11°33 | 26° 9 | 27°19 | W19 |
| T 20 | 16 14 19 | 4°22'09 | 18° 3 | 26°27 | 13°59 | 15° 7 | 21°42 | 12°25 | 5°11 | 2°43 | 7° 0 | 10°12 | 11°30 | 26°16 | 27°18 | T 20 |
| F 21 | 16 18 16 | 5°19'30 | 0♉11 | 26°57 | 15° 7 | 15°40 | 21°49 | 12°26 | 5°12 | 2°42 | 7° 1 | 10° 6 | 11°27 | 26°23 | 27°16 | F 21 |
| S 22 | 16 22 12 | 6°16'49 | 12°30 | 27°23 | 16°16 | 16°12 | 21°56 | 12°27 | 5°13 | 2°42 | 7° 2 | 10° 0 | 11°24 | 26°29 | 27°14 | S 22 |
| S 23 | 16 26 9 | 7°14'09 | 25° 2 | 27°45 | 17°24 | 16°44 | 22° 3 | 12°28 | 5°14 | 2°41 | 7° 4 | 9°55 | 11°20 | 26°36 | 27°13 | S 23 |
| M24 | 16 30 6 | 8°11'27 | 7♊47 | 28° 2 | 18°33 | 17°17 | 22°10 | 12°30 | 5°15 | 2°41 | 7° 5 | 9°50 | 11°17 | 26°43 | 27°11 | M24 |
| T 25 | 16 34 2 | 9° 8'45 | 20°46 | 28°14 | 19°41 | 17°49 | 22°17 | 12°32 | 5°15 | 2°40 | 7° 6 | 9°47 | 11°14 | 26°50 | 27° 9 | T 25 |
| W26 | 16 37 59 | 10° 6'02 | 3♋58 | 28°22 | 20°49 | 18°22 | 22°25 | 12°33 | 5°16 | 2°40 | 7° 7 | 9°D46 | 11°11 | 26°56 | 27° 7 | W26 |
| T 27 | 16 41 55 | 11° 3'19 | 17°23 | 28°R26 | 21°57 | 18°55 | 22°32 | 12°35 | 5°17 | 2°39 | 7° 8 | 9°46 | 11° 8 | 27° 3 | 27° 5 | T 27 |
| F 28 | 16 45 52 | 12° 0'35 | 0♌59 | 28°24 | 23° 5 | 19°28 | 22°40 | 12°37 | 5°19 | 2°39 | 7° 9 | 9°47 | 11° 4 | 27°10 | 27° 3 | F 28 |
| S 29 | 16 49 48 | 12°57'50 | 14°47 | 28°19 | 24°13 | 20° 1 | 22°48 | 12°39 | 5°20 | 2°39 | 7°11 | 9°49 | 11° 1 | 27°16 | 27° 1 | S 29 |
| S 30 | 16 53 45 | 13°55'04 | 28°44 | 28° 9 | 25°21 | 20°34 | 22°56 | 12°41 | 5°21 | 2°38 | 7°12 | 9°50 | 10°58 | 27°23 | 26°59 | S 30 |
| M31 | 16 57 42 | 14♊52'18 | 12♍51 | 27♊55 | 26♋28 | 21♌ 7 | 23♌ 4 | 12♍43 | 5♍22 | 2♎38 | 7♉13 | 9°R51 | 10♋55 | 27♓30 | 26♏57 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n45 | 21n16 | 2n 0 | 23n22 | 2n13 | 25n 8 | 1n51 | 20n44 | 1n46 | 16n 1 | 1n12 | 9n 7 | 2n20 | 10n24 | 0n47 | 0n21 | 1n41 | 0s24 | 15s 0 | 23n 5 | 22n58 | 6s49 | 14s17 | 6n35 |
| S 2 | 17 2 | 18 28 | 3 4 | 23 43 | 2 16 | 25 14 | 1 52 | 20 35 | 1 45 | 15 59 | 1 12 | 9 7 | 2 20 | 10 24 | 0 47 | 0 21 | 1 41 | 0 24 | 15 0 | 23 5 | 22 58 | 6 47 | 14 17 | 6 36 |
| M 3 | 17 18 | 14 32 | 3 59 | 24 1 | 2 19 | 25 20 | 1 54 | 20 27 | 1 44 | 15 58 | 1 12 | 9 7 | 2 20 | 10 25 | 0 47 | 0 22 | 1 41 | 0 24 | 15 0 | 23 5 | 22 58 | 6 44 | 14 16 | 6 36 |
| T 4 | 17 34 | 9 41 | 4 39 | 24 17 | 2 20 | 25 24 | 1 56 | 20 18 | 1 43 | 15 56 | 1 11 | 9 7 | 2 20 | 10 25 | 0 47 | 0 22 | 1 41 | 0 23 | 15 0 | 23 6 | 22 59 | 6 42 | 14 16 | 6 37 |
| W 5 | 17 50 | 4 14 | 5 2 | 24 31 | 2 21 | 25 28 | 1 57 | 20 9 | 1 42 | 15 55 | 1 11 | 9 7 | 2 20 | 10 25 | 0 47 | 0 22 | 1 40 | 0 23 | 15 0 | 23 6 | 22 59 | 6 39 | 14 15 | 6 37 |
| T 6 | 18 5 | 1s30 | 5 6 | 24 43 | 2 20 | 25 31 | 1 59 | 20 1 | 1 41 | 15 53 | 1 11 | 9 7 | 2 19 | 10 25 | 0 47 | 0 23 | 1 40 | 0 23 | 15 0 | 23 7 | 22 59 | 6 37 | 14 15 | 6 37 |
| F 7 | 18 20 | 7 10 | 4 49 | 24 52 | 2 19 | 25 33 | 2 0 | 19 52 | 1 40 | 15 51 | 1 11 | 9 7 | 2 19 | 10 25 | 0 47 | 0 23 | 1 40 | 0 22 | 15 0 | 23 7 | 22 59 | 6 34 | 14 15 | 6 38 |
| S 8 | 18 35 | 12 24 | 4 13 | 25 0 | 2 17 | 25 35 | 2 2 | 19 43 | 1 38 | 15 50 | 1 11 | 9 7 | 2 19 | 10 24 | 0 47 | 0 23 | 1 40 | 0 22 | 15 0 | 23 8 | 23 0 | 6 32 | 14 14 | 6 38 |
| S 9 | 18 49 | 16 51 | 3 22 | 25 5 | 2 14 | 25 36 | 2 3 | 19 33 | 1 37 | 15 48 | 1 11 | 9 7 | 2 19 | 10 24 | 0 47 | 0 24 | 1 40 | 0 22 | 15 0 | 23 8 | 23 0 | 6 30 | 14 14 | 6 39 |
| M10 | 19 3 | 20 15 | 2 19 | 25 9 | 2 11 | 25 36 | 2 4 | 19 24 | 1 36 | 15 46 | 1 11 | 9 7 | 2 19 | 10 24 | 0 47 | 0 24 | 1 40 | 0 21 | 15 0 | 23 9 | 23 0 | 6 27 | 14 14 | 6 39 |
| T 11 | 19 17 | 22 22 | 1 10 | 25 11 | 2 6 | 25 35 | 2 5 | 19 15 | 1 35 | 15 44 | 1 10 | 9 6 | 2 18 | 10 24 | 0 47 | 0 24 | 1 40 | 0 21 | 15 0 | 23 9 | 23 1 | 6 25 | 14 14 | 6 40 |
| W12 | 19 31 | 23 9 | 0s 2 | 25 11 | 2 1 | 25 34 | 2 6 | 19 5 | 1 34 | 15 42 | 1 10 | 9 6 | 2 18 | 10 24 | 0 47 | 0 25 | 1 40 | 0 21 | 15 0 | 23 9 | 23 1 | 6 22 | 14 13 | 6 40 |
| T 13 | 19 44 | 22 39 | 1 11 | 25 9 | 1 55 | 25 32 | 2 7 | 18 56 | 1 33 | 15 41 | 1 10 | 9 6 | 2 18 | 10 24 | 0 47 | 0 25 | 1 40 | 0 20 | 15 0 | 23 9 | 23 1 | 6 20 | 14 13 | 6 41 |
| F 14 | 19 57 | 21 1 | 2 15 | 25 6 | 1 48 | 25 30 | 2 8 | 18 46 | 1 32 | 15 39 | 1 10 | 9 5 | 2 18 | 10 24 | 0 47 | 0 25 | 1 40 | 0 20 | 15 0 | 23 9 | 23 1 | 6 17 | 14 13 | 6 41 |
| S 15 | 20 9 | 18 26 | 3 11 | 25 2 | 1 40 | 25 27 | 2 9 | 18 36 | 1 31 | 15 37 | 1 10 | 9 5 | 2 18 | 10 24 | 0 47 | 0 25 | 1 40 | 0 20 | 15 1 | 23 9 | 23 2 | 6 15 | 14 13 | 6 42 |
| S 16 | 20 22 | 15 6 | 3 58 | 24 56 | 1 32 | 25 23 | 2 10 | 18 26 | 1 30 | 15 34 | 1 10 | 9 4 | 2 17 | 10 23 | 0 47 | 0 26 | 1 40 | 0 19 | 15 1 | 23 9 | 23 2 | 6 12 | 14 12 | 6 42 |
| M17 | 20 33 | 11 12 | 4 34 | 24 48 | 1 22 | 25 18 | 2 10 | 18 16 | 1 29 | 15 32 | 1 10 | 9 4 | 2 17 | 10 23 | 0 46 | 0 26 | 1 40 | 0 19 | 15 1 | 23 9 | 23 2 | 6 10 | 14 12 | 6 42 |
| T 18 | 20 45 | 6 53 | 4 58 | 24 40 | 1 12 | 25 13 | 2 11 | 18 6 | 1 28 | 15 30 | 1 9 | 9 3 | 2 17 | 10 23 | 0 46 | 0 26 | 1 40 | 0 19 | 15 1 | 23 9 | 23 3 | 6 7 | 14 12 | 6 43 |
| W19 | 20 56 | 2 19 | 5 10 | 24 30 | 1 1 | 25 7 | 2 11 | 17 55 | 1 27 | 15 28 | 1 9 | 9 3 | 2 17 | 10 23 | 0 46 | 0 26 | 1 40 | 0 18 | 15 1 | 23 9 | 23 3 | 6 5 | 14 12 | 6 43 |
| T 20 | 21 7 | 2n22 | 5 8 | 24 20 | 0 49 | 25 0 | 2 12 | 17 45 | 1 26 | 15 26 | 1 9 | 9 2 | 2 17 | 10 22 | 0 46 | 0 27 | 1 40 | 0 18 | 15 1 | 23 9 | 23 3 | 6 3 | 14 12 | 6 44 |
| F 21 | 21 17 | 7 2 | 4 52 | 24 8 | 0 37 | 24 52 | 2 12 | 17 34 | 1 25 | 15 23 | 1 9 | 9 2 | 2 17 | 10 22 | 0 46 | 0 27 | 1 40 | 0 18 | 15 1 | 23 10 | 23 3 | 6 0 | 14 12 | 6 44 |
| S 22 | 21 27 | 11 30 | 4 22 | 23 55 | 0 24 | 24 44 | 2 12 | 17 24 | 1 24 | 15 21 | 1 9 | 9 1 | 2 16 | 10 22 | 0 46 | 0 27 | 1 40 | 0 18 | 15 1 | 23 10 | 23 4 | 5 58 | 14 12 | 6 45 |
| S 23 | 21 37 | 15 33 | 3 40 | 23 42 | 0 10 | 24 36 | 2 12 | 17 13 | 1 23 | 15 18 | 1 9 | 9 0 | 2 16 | 10 21 | 0 46 | 0 27 | 1 40 | 0 17 | 15 1 | 23 11 | 23 4 | 5 55 | 14 12 | 6 45 |
| M24 | 21 47 | 18 59 | 2 46 | 23 28 | 0s 4 | 24 26 | 2 12 | 17 2 | 1 22 | 15 16 | 1 9 | 9 0 | 2 16 | 10 21 | 0 46 | 0 27 | 1 40 | 0 17 | 15 2 | 23 11 | 23 4 | 5 53 | 14 11 | 6 45 |
| T 25 | 21 56 | 21 32 | 1 42 | 23 13 | 0 19 | 24 16 | 2 12 | 16 51 | 1 22 | 15 14 | 1 8 | 8 59 | 2 16 | 10 21 | 0 46 | 0 27 | 1 40 | 0 17 | 15 2 | 23 11 | 23 4 | 5 50 | 14 11 | 6 46 |
| W26 | 22 4 | 22 58 | 0 32 | 22 58 | 0 35 | 24 6 | 2 12 | 16 40 | 1 21 | 15 11 | 1 8 | 8 58 | 2 16 | 10 20 | 0 46 | 0 28 | 1 40 | 0 17 | 15 2 | 23 11 | 23 5 | 5 48 | 14 11 | 6 46 |
| T 27 | 22 12 | 23 6 | 0n42 | 22 42 | 0 51 | 23 55 | 2 11 | 16 29 | 1 20 | 15 8 | 1 8 | 8 57 | 2 15 | 10 20 | 0 46 | 0 28 | 1 40 | 0 16 | 15 2 | 23 11 | 23 5 | 5 45 | 14 11 | 6 46 |
| F 28 | 22 20 | 21 53 | 1 54 | 22 25 | 1 7 | 23 43 | 2 11 | 16 18 | 1 19 | 15 6 | 1 8 | 8 56 | 2 15 | 10 19 | 0 46 | 0 28 | 1 40 | 0 16 | 15 2 | 23 11 | 23 5 | 5 43 | 14 11 | 6 47 |
| S 29 | 22 28 | 19 21 | 3 0 | 22 9 | 1 24 | 23 30 | 2 10 | 16 6 | 1 18 | 15 3 | 1 8 | 8 55 | 2 15 | 10 19 | 0 46 | 0 28 | 1 39 | 0 16 | 15 2 | 23 11 | 23 6 | 5 40 | 14 11 | 6 47 |
| S 30 | 22 35 | 15 40 | 3 57 | 21 52 | 1 40 | 23 17 | 2 10 | 15 55 | 1 17 | 15 0 | 1 8 | 8 54 | 2 15 | 10 18 | 0 46 | 0 28 | 1 39 | 0 16 | 15 2 | 23 11 | 23 6 | 5 38 | 14 11 | 6 48 |
| M31 | 22n41 | 11n 4 | 4n40 | 21n35 | 1s57 | 23n 4 | 2n 9 | 15n43 | 1n16 | 14n58 | 1n 8 | 8n53 | 2n15 | 10n18 | 0n46 | 0n28 | 1n39 | 0s16 | 15s 3 | 23n11 | 23n 6 | 5s35 | 14s11 | 6n48 |

Julian Day Number = 2132449.5, Delta T = 16m22s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'36, Lahiri = 11°40'36 Julian Calendar 1 May 1126 == Greg. Calendar 8 May 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## JUNE 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 1 38 | 15♊49'30 | 27♍ 5 | 27°R37 | 27♋36 | 21♌41 | 23♌12 | 12♍45 | 5♍23 | 2°R38 | 7♉14 | 9°R50 | 10♋52 | 27♓37 | 26°R54 | T 1 |
| W 2 | 17 5 35 | 16°46'42 | 11♎25 | 27♊15 | 28°43 | 22°14 | 23°20 | 12°48 | 5°25 | 2♎38 | 7°15 | 9♋49 | 10°49 | 27°43 | 26♉52 | W 2 |
| T 3 | 17 9 31 | 17°43'53 | 25°46 | 26°50 | 29°50 | 22°48 | 23°28 | 12°50 | 5°26 | 2°38 | 7°16 | 9°47 | 10°45 | 27°50 | 26°50 | T 3 |
| F 4 | 17 13 28 | 18°41'04 | 10♏ 5 | 26°21 | 0♌57 | 23°21 | 23°37 | 12°53 | 5°28 | 2°37 | 7°17 | 9°44 | 10°42 | 27°57 | 26°47 | F 4 |
| S 5 | 17 17 24 | 19°38'14 | 24°17 | 25°51 | 2° 4 | 23°55 | 23°45 | 12°55 | 5°29 | 2°37 | 7°18 | 9°41 | 10°39 | 28° 4 | 26°45 | S 5 |
| S 6 | 17 21 21 | 20°35'24 | 8♐17 | 25°18 | 3°10 | 24°29 | 23°54 | 12°58 | 5°31 | 2°37 | 7°19 | 9°39 | 10°36 | 28°10 | 26°42 | S 6 |
| M 7 | 17 25 17 | 21°32'33 | 22° 3 | 24°43 | 4°17 | 25° 3 | 24° 3 | 13° 1 | 5°32 | 2°37 | 7°20 | 9°37 | 10°33 | 28°17 | 26°40 | M 7 |
| T 8 | 17 29 14 | 22°29'43 | 5♑31 | 24° 8 | 5°23 | 25°37 | 24°12 | 13° 4 | 5°34 | 2°D37 | 7°21 | 9°D37 | 10°30 | 28°24 | 26°37 | T 8 |
| W 9 | 17 33 11 | 23°26'52 | 18°39 | 23°32 | 6°29 | 26°11 | 24°21 | 13° 7 | 5°36 | 2°37 | 7°22 | 9°37 | 10°26 | 28°30 | 26°35 | W 9 |
| T 10 | 17 37 7 | 24°24'01 | 1♒28 | 22°57 | 7°35 | 26°45 | 24°30 | 13°10 | 5°37 | 2°37 | 7°23 | 9°37 | 10°23 | 28°37 | 26°32 | T 10 |
| F 11 | 17 41 4 | 25°21'10 | 13°59 | 22°22 | 8°41 | 27°20 | 24°39 | 13°13 | 5°39 | 2°37 | 7°24 | 9°39 | 10°20 | 28°44 | 26°29 | F 11 |
| S 12 | 17 45 0 | 26°18'19 | 26°15 | 21°49 | 9°46 | 27°54 | 24°48 | 13°16 | 5°41 | 2°37 | 7°25 | 9°40 | 10°17 | 28°51 | 26°27 | S 12 |
| S 13 | 17 48 57 | 27°15'29 | 8♓19 | 21°18 | 10°51 | 28°28 | 24°58 | 13°20 | 5°43 | 2°38 | 7°26 | 9°41 | 10°14 | 28°57 | 26°24 | S 13 |
| M14 | 17 52 53 | 28°12'38 | 20°16 | 20°50 | 11°57 | 29° 3 | 25° 7 | 13°23 | 5°45 | 2°38 | 7°27 | 9°41 | 10°10 | 29° 4 | 26°21 | M14 |
| T 15 | 17 56 50 | 29° 9'48 | 2♈ 9 | 20°24 | 13° 2 | 29°38 | 25°17 | 13°27 | 5°47 | 2°38 | 7°28 | 9°R42 | 10° 7 | 29°11 | 26°18 | T 15 |
| W16 | 18 0 46 | 0♋ 6'58 | 14° 4 | 20° 2 | 14° 6 | 0♍13 | 25°26 | 13°30 | 5°49 | 2°38 | 7°29 | 9°41 | 10° 4 | 29°17 | 26°15 | W16 |
| T 17 | 18 4 43 | 1° 4'09 | 26° 5 | 19°44 | 15°11 | 0°47 | 25°36 | 13°34 | 5°51 | 2°39 | 7°30 | 9°41 | 10° 1 | 29°24 | 26°12 | T 17 |
| F 18 | 18 8 40 | 2° 1'20 | 8♉16 | 19°31 | 16°15 | 1°22 | 25°46 | 13°38 | 5°53 | 2°39 | 7°31 | 9°40 | 9°58 | 29°31 | 26° 9 | F 18 |
| S 19 | 18 12 36 | 2°58'31 | 20°40 | 19°21 | 17°19 | 1°57 | 25°56 | 13°42 | 5°55 | 2°39 | 7°32 | 9°39 | 9°55 | 29°38 | 26° 6 | S 19 |
| S 20 | 18 16 33 | 3°55'42 | 3♊21 | 19°D17 | 18°23 | 2°33 | 26° 6 | 13°46 | 5°57 | 2°40 | 7°32 | 9°38 | 9°51 | 29°44 | 26° 3 | S 20 |
| M21 | 18 20 29 | 4°52'54 | 16°20 | 19°18 | 19°27 | 3° 8 | 26°16 | 13°50 | 5°59 | 2°40 | 7°33 | 9°37 | 9°48 | 29°51 | 26° 0 | M21 |
| T 22 | 18 24 26 | 5°50'07 | 29°37 | 19°24 | 20°30 | 3°43 | 26°27 | 13°54 | 6° 2 | 2°40 | 7°34 | 9°37 | 9°45 | 29°58 | 25°57 | T 22 |
| W23 | 18 28 22 | 6°47'20 | 13♋12 | 19°35 | 21°33 | 4°19 | 26°37 | 13°58 | 6° 4 | 2°41 | 7°35 | 9°D37 | 9°42 | 0♈ 5 | 25°54 | W23 |
| T 24 | 18 32 19 | 7°44'33 | 27° 2 | 19°51 | 22°36 | 4°54 | 26°47 | 14° 2 | 6° 6 | 2°41 | 7°36 | 9°37 | 9°39 | 0°11 | 25°50 | T 24 |
| F 25 | 18 36 15 | 8°41'46 | 11♌ 5 | 20°13 | 23°39 | 5°30 | 26°58 | 14° 6 | 6° 9 | 2°42 | 7°36 | 9°37 | 9°36 | 0°18 | 25°47 | F 25 |
| S 26 | 18 40 12 | 9°38'59 | 25°17 | 20°40 | 24°42 | 6° 5 | 27° 8 | 14°11 | 6°11 | 2°43 | 7°37 | 9°R37 | 9°32 | 0°25 | 25°44 | S 26 |
| S 27 | 18 44 9 | 10°36'13 | 9♍34 | 21°13 | 25°44 | 6°41 | 27°19 | 14°15 | 6°14 | 2°43 | 7°38 | 9°37 | 9°29 | 0°31 | 25°41 | S 27 |
| M28 | 18 48 5 | 11°33'26 | 23°53 | 21°51 | 26°46 | 7°17 | 27°30 | 14°20 | 6°16 | 2°44 | 7°38 | 9°37 | 9°26 | 0°38 | 25°37 | M28 |
| T 29 | 18 52 2 | 12°30'40 | 8♎10 | 22°34 | 27°47 | 7°53 | 27°40 | 14°25 | 6°19 | 2°45 | 7°39 | 9°D37 | 9°23 | 0°45 | 25°34 | T 29 |
| W30 | 18 55 58 | 13♋27'54 | 22♎22 | 23♊23 | 28♌48 | 8♍29 | 27♌51 | 14♍29 | 6♍21 | 2♎45 | 7♉40 | 9♋37 | 9♋20 | 0♈52 | 25♑31 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n48 | 5n51 | 5n 6 | 21n18 | 2s14 | 22n50 | 2n 8 | 15n32 | 1n15 | 14n55 | 1n 8 | 8n52 | 2n14 | 10n17 | 0n46 | 0n28 | 1n39 | 0s15 | 15s 3 | 23n11 | 23n 6 | 5s33 | 14s12 | 6n48 |
| W 2 | 22 54 | 0 17 | 5 14 | 21 2 | 2 30 | 22 35 | 2 7 | 15 20 | 1 14 | 14 52 | 1 7 | 8 51 | 2 14 | 10 17 | 0 46 | 0 28 | 1 39 | 0 15 | 15 3 | 23 11 | 23 7 | 5 30 | 14 12 | 6 49 |
| T 3 | 22 59 | 5s19 | 5 2 | 20 45 | 2 46 | 22 20 | 2 6 | 15 8 | 1 13 | 14 49 | 1 7 | 8 50 | 2 14 | 10 16 | 0 46 | 0 28 | 1 39 | 0 15 | 15 3 | 23 11 | 23 7 | 5 28 | 14 12 | 6 49 |
| F 4 | 23 4 | 10 37 | 4 31 | 20 29 | 3 1 | 22 4 | 2 4 | 14 56 | 1 12 | 14 46 | 1 7 | 8 49 | 2 14 | 10 16 | 0 46 | 0 28 | 1 39 | 0 15 | 15 3 | 23 12 | 23 7 | 5 25 | 14 12 | 6 49 |
| S 5 | 23 9 | 15 18 | 3 44 | 20 13 | 3 16 | 21 47 | 2 3 | 14 44 | 1 11 | 14 43 | 1 7 | 8 48 | 2 14 | 10 15 | 0 46 | 0 28 | 1 39 | 0 15 | 15 3 | 23 12 | 23 7 | 5 23 | 14 12 | 6 50 |
| S 6 | 23 13 | 19 5 | 2 44 | 19 58 | 3 30 | 21 31 | 2 2 | 14 32 | 1 10 | 14 40 | 1 7 | 8 46 | 2 13 | 10 14 | 0 46 | 0 28 | 1 39 | 0 15 | 15 4 | 23 12 | 23 8 | 5 20 | 14 12 | 6 50 |
| M 7 | 23 17 | 21 44 | 1 35 | 19 44 | 3 43 | 21 13 | 2 0 | 14 19 | 1 10 | 14 37 | 1 7 | 8 45 | 2 13 | 10 14 | 0 46 | 0 28 | 1 39 | 0 15 | 15 4 | 23 12 | 23 8 | 5 18 | 14 12 | 6 50 |
| T 8 | 23 20 | 23 4 | 0 23 | 19 31 | 3 55 | 20 55 | 1 58 | 14 7 | 1 9 | 14 34 | 1 7 | 8 44 | 2 13 | 10 13 | 0 46 | 0 28 | 1 39 | 0 14 | 15 4 | 23 12 | 23 8 | 5 15 | 14 12 | 6 51 |
| W 9 | 23 23 | 23 4 | 0s50 | 19 19 | 4 5 | 20 37 | 1 56 | 13 55 | 1 8 | 14 31 | 1 7 | 8 43 | 2 13 | 10 13 | 0 46 | 0 28 | 1 39 | 0 14 | 15 4 | 23 12 | 23 8 | 5 13 | 14 13 | 6 51 |
| T 10 | 23 26 | 21 50 | 1 58 | 19 8 | 4 14 | 20 18 | 1 54 | 13 42 | 1 7 | 14 28 | 1 7 | 8 41 | 2 13 | 10 12 | 0 46 | 0 28 | 1 39 | 0 14 | 15 4 | 23 12 | 23 9 | 5 10 | 14 13 | 6 51 |
| F 11 | 23 28 | 19 33 | 2 59 | 18 58 | 4 22 | 19 59 | 1 52 | 13 29 | 1 6 | 14 25 | 1 6 | 8 40 | 2 13 | 10 11 | 0 45 | 0 28 | 1 39 | 0 14 | 15 5 | 23 12 | 23 9 | 5 8 | 14 13 | 6 51 |
| S 12 | 23 30 | 16 26 | 3 50 | 18 50 | 4 29 | 19 39 | 1 50 | 13 17 | 1 5 | 14 21 | 1 6 | 8 38 | 2 12 | 10 10 | 0 45 | 0 28 | 1 39 | 0 14 | 15 5 | 23 12 | 23 9 | 5 5 | 14 13 | 6 52 |
| S 13 | 23 31 | 12 40 | 4 30 | 18 43 | 4 33 | 19 19 | 1 48 | 13 4 | 1 4 | 14 18 | 1 6 | 8 37 | 2 12 | 10 10 | 0 45 | 0 28 | 1 39 | 0 14 | 15 5 | 23 12 | 23 9 | 5 3 | 14 14 | 6 52 |
| M14 | 23 32 | 8 26 | 4 58 | 18 38 | 4 37 | 18 58 | 1 45 | 12 51 | 1 3 | 14 15 | 1 6 | 8 35 | 2 12 | 10 9 | 0 45 | 0 27 | 1 39 | 0 14 | 15 5 | 23 12 | 23 10 | 5 0 | 14 14 | 6 52 |
| T 15 | 23 33 | 3 56 | 5 14 | 18 34 | 4 38 | 18 37 | 1 43 | 12 38 | 1 3 | 14 11 | 1 6 | 8 34 | 2 12 | 10 8 | 0 45 | 0 27 | 1 39 | 0 14 | 15 5 | 23 12 | 23 10 | 4 58 | 14 14 | 6 53 |
| W16 | 23 33 | 0n44 | 5 15 | 18 33 | 4 39 | 18 16 | 1 40 | 12 25 | 1 2 | 14 8 | 1 6 | 8 32 | 2 12 | 10 7 | 0 45 | 0 27 | 1 39 | 0 14 | 15 6 | 23 12 | 23 10 | 4 55 | 14 14 | 6 53 |
| T 17 | 23 33 | 5 24 | 5 4 | 18 32 | 4 38 | 17 54 | 1 37 | 12 11 | 1 1 | 14 5 | 1 6 | 8 31 | 2 12 | 10 7 | 0 45 | 0 27 | 1 39 | 0 14 | 15 6 | 23 12 | 23 10 | 4 52 | 14 15 | 6 53 |
| F 18 | 23 32 | 9 56 | 4 38 | 18 34 | 4 35 | 17 32 | 1 34 | 11 58 | 1 0 | 14 1 | 1 6 | 8 29 | 2 11 | 10 6 | 0 45 | 0 27 | 1 38 | 0 13 | 15 6 | 23 12 | 23 11 | 4 50 | 14 15 | 6 53 |
| S 19 | 23 31 | 14 10 | 3 59 | 18 37 | 4 31 | 17 10 | 1 31 | 11 45 | 0 59 | 13 58 | 1 6 | 8 27 | 2 11 | 10 5 | 0 45 | 0 27 | 1 38 | 0 13 | 15 6 | 23 12 | 23 11 | 4 47 | 14 15 | 6 53 |
| S 20 | 23 30 | 17 51 | 3 8 | 18 42 | 4 26 | 16 47 | 1 28 | 11 31 | 0 58 | 13 54 | 1 6 | 8 26 | 2 11 | 10 4 | 0 45 | 0 26 | 1 38 | 0 13 | 15 7 | 23 12 | 23 11 | 4 45 | 14 16 | 6 54 |
| M21 | 23 28 | 20 46 | 2 5 | 18 49 | 4 19 | 16 24 | 1 25 | 11 18 | 0 57 | 13 51 | 1 5 | 8 24 | 2 11 | 10 3 | 0 45 | 0 26 | 1 38 | 0 13 | 15 7 | 23 12 | 23 11 | 4 42 | 14 16 | 6 54 |
| T 22 | 23 25 | 22 38 | 0 55 | 18 57 | 4 12 | 16 0 | 1 21 | 11 4 | 0 57 | 13 47 | 1 5 | 8 22 | 2 11 | 10 2 | 0 45 | 0 26 | 1 38 | 0 13 | 15 7 | 23 12 | 23 11 | 4 40 | 14 16 | 6 54 |
| W23 | 23 23 | 23 13 | 0n20 | 19 6 | 4 3 | 15 36 | 1 17 | 10 50 | 0 56 | 13 43 | 1 5 | 8 21 | 2 11 | 10 2 | 0 45 | 0 26 | 1 38 | 0 13 | 15 7 | 23 12 | 23 12 | 4 37 | 14 17 | 6 54 |
| T 24 | 23 19 | 22 24 | 1 35 | 19 17 | 3 54 | 15 12 | 1 14 | 10 37 | 0 55 | 13 40 | 1 5 | 8 19 | 2 10 | 10 1 | 0 45 | 0 26 | 1 38 | 0 13 | 15 8 | 23 12 | 23 12 | 4 35 | 14 17 | 6 54 |
| F 25 | 23 16 | 20 11 | 2 46 | 19 29 | 3 43 | 14 48 | 1 10 | 10 23 | 0 54 | 13 36 | 1 5 | 8 17 | 2 10 | 10 0 | 0 45 | 0 25 | 1 38 | 0 13 | 15 8 | 23 12 | 23 12 | 4 32 | 14 18 | 6 55 |
| S 26 | 23 12 | 16 43 | 3 47 | 19 42 | 3 32 | 14 23 | 1 6 | 10 9 | 0 53 | 13 32 | 1 5 | 8 15 | 2 10 | 9 59 | 0 45 | 0 25 | 1 38 | 0 13 | 15 8 | 23 12 | 23 12 | 4 30 | 14 18 | 6 55 |
| S 27 | 23 8 | 12 15 | 4 34 | 19 55 | 3 20 | 13 58 | 1 2 | 9 55 | 0 52 | 13 29 | 1 5 | 8 13 | 2 10 | 9 58 | 0 45 | 0 25 | 1 38 | 0 13 | 15 8 | 23 12 | 23 13 | 4 27 | 14 18 | 6 55 |
| M28 | 23 3 | 7 6 | 5 5 | 20 10 | 3 8 | 13 33 | 0 57 | 9 41 | 0 52 | 13 25 | 1 5 | 8 11 | 2 10 | 9 57 | 0 45 | 0 24 | 1 38 | 0 13 | 15 9 | 23 12 | 23 13 | 4 24 | 14 19 | 6 55 |
| T 29 | 22 58 | 1 36 | 5 17 | 20 25 | 2 55 | 13 8 | 0 53 | 9 26 | 0 51 | 13 21 | 1 5 | 8 9 | 2 10 | 9 56 | 0 45 | 0 24 | 1 38 | 0 13 | 15 9 | 23 12 | 23 13 | 4 22 | 14 19 | 6 55 |
| W30 | 22n52 | 3s58 | 5n 9 | 20n41 | 2s42 | 12n42 | 0n49 | 9n12 | 0n50 | 13n17 | 1n 5 | 8n 7 | 2n 9 | 9n55 | 0n45 | 0n24 | 1n38 | 0s13 | 15s 9 | 23n12 | 23n13 | 4s19 | 14s20 | 6n55 |

Julian Day Number = 2132480.5, Delta T = 16m22s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'40, Lahiri = 11°40'41 Julian Calendar 1 June 1126 == Greg. Calendar 8 June 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## JULY 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 59 55 | 14♋25'08 | 6♏28 | 24♊16 | 29♌49 | 9♍ 5 | 28♌ 2 | 14♍34 | 6♍24 | 2♎46 | 7♉40 | 9♋37 | 9♋16 | 0♈58 | 25°R28 | T 1 |
| F 2 | 19 3 51 | 15°22'23 | 20°24 | 25°15 | 0♍50 | 9°41 | 28°13 | 14°39 | 6°27 | 2°47 | 7°41 | 9°38 | 9°13 | 1° 5 | 25♉24 | F 2 |
| S 3 | 19 7 48 | 16°19'38 | 4♐ 9 | 26°19 | 1°50 | 10°17 | 28°24 | 14°44 | 6°29 | 2°47 | 7°42 | 9°38 | 9°10 | 1°12 | 25°21 | S 3 |
| S 4 | 19 11 44 | 17°16'53 | 17°43 | 27°29 | 2°50 | 10°54 | 28°36 | 14°49 | 6°32 | 2°48 | 7°42 | 9°39 | 9° 7 | 1°18 | 25°17 | S 4 |
| M 5 | 19 15 41 | 18°14'09 | 1♑ 3 | 28°42 | 3°50 | 11°30 | 28°47 | 14°54 | 6°35 | 2°49 | 7°43 | 9°39 | 9° 4 | 1°25 | 25°14 | M 5 |
| T 6 | 19 19 38 | 19°11'25 | 14°10 | 0♌ 1 | 4°49 | 12° 6 | 28°58 | 14°59 | 6°38 | 2°50 | 7°43 | 9°R39 | 9° 1 | 1°32 | 25°11 | T 6 |
| W 7 | 19 23 34 | 20° 8'43 | 27° 2 | 1°25 | 5°48 | 12°43 | 29° 9 | 15° 4 | 6°41 | 2°51 | 7°44 | 9°39 | 8°57 | 1°39 | 25° 7 | W 7 |
| T 8 | 19 27 31 | 21° 6'01 | 9♒39 | 2°53 | 6°46 | 13°20 | 29°21 | 15° 9 | 6°43 | 2°52 | 7°44 | 9°38 | 8°54 | 1°45 | 25° 4 | T 8 |
| F 9 | 19 31 27 | 22° 3'19 | 22° 3 | 4°25 | 7°44 | 13°56 | 29°32 | 15°15 | 6°46 | 2°53 | 7°45 | 9°37 | 8°51 | 1°52 | 25° 0 | F 9 |
| S 10 | 19 35 24 | 23° 0'39 | 4♓15 | 6° 2 | 8°42 | 14°33 | 29°44 | 15°20 | 6°49 | 2°54 | 7°45 | 9°35 | 8°48 | 1°59 | 24°57 | S 10 |
| S 11 | 19 39 20 | 23°58'00 | 16°18 | 7°42 | 9°39 | 15°10 | 29°55 | 15°26 | 6°52 | 2°55 | 7°46 | 9°33 | 8°45 | 2° 6 | 24°54 | S 11 |
| M12 | 19 43 17 | 24°55'21 | 28°14 | 9°26 | 10°36 | 15°47 | 0♍ 7 | 15°31 | 6°55 | 2°56 | 7°46 | 9°31 | 8°42 | 2°12 | 24°50 | M12 |
| T 13 | 19 47 14 | 25°52'44 | 10♈ 7 | 11°14 | 11°32 | 16°24 | 0°19 | 15°37 | 6°58 | 2°57 | 7°47 | 9°30 | 8°38 | 2°19 | 24°47 | T 13 |
| W14 | 19 51 10 | 26°50'08 | 22° 1 | 13° 5 | 12°28 | 17° 1 | 0°30 | 15°42 | 7° 1 | 2°58 | 7°47 | 9°D29 | 8°35 | 2°26 | 24°43 | W14 |
| T 15 | 19 55 7 | 27°47'34 | 4♉ 1 | 14°58 | 13°24 | 17°38 | 0°42 | 15°48 | 7° 4 | 2°59 | 7°47 | 9°29 | 8°32 | 2°32 | 24°40 | T 15 |
| F 16 | 19 59 3 | 28°45'00 | 16°12 | 16°54 | 14°19 | 18°15 | 0°54 | 15°54 | 7° 8 | 3° 0 | 7°48 | 9°30 | 8°29 | 2°39 | 24°37 | F 16 |
| S 17 | 20 3 0 | 29°42'28 | 28°37 | 18°52 | 15°13 | 18°52 | 1° 6 | 16° 0 | 7°11 | 3° 2 | 7°48 | 9°31 | 8°26 | 2°46 | 24°33 | S 17 |
| S 18 | 20 6 56 | 0♌39'57 | 11♊21 | 20°52 | 16° 7 | 19°30 | 1°18 | 16° 6 | 7°14 | 3° 3 | 7°48 | 9°32 | 8°22 | 2°53 | 24°30 | S 18 |
| M19 | 20 10 53 | 1°37'28 | 24°26 | 22°54 | 17° 0 | 20° 7 | 1°30 | 16°11 | 7°17 | 3° 4 | 7°49 | 9°34 | 8°19 | 2°59 | 24°26 | M19 |
| T 20 | 20 14 49 | 2°35'00 | 7♋55 | 24°56 | 17°53 | 20°45 | 1°42 | 16°17 | 7°20 | 3° 5 | 7°49 | 9°R34 | 8°16 | 3° 6 | 24°23 | T 20 |
| W21 | 20 18 46 | 3°32'33 | 21°47 | 26°59 | 18°45 | 21°22 | 1°54 | 16°23 | 7°24 | 3° 7 | 7°49 | 9°34 | 8°13 | 3°13 | 24°20 | W21 |
| T 22 | 20 22 43 | 4°30'07 | 6♌ 0 | 29° 3 | 19°37 | 22° 0 | 2° 6 | 16°30 | 7°27 | 3° 8 | 7°50 | 9°32 | 8°10 | 3°20 | 24°16 | T 22 |
| F 23 | 20 26 39 | 5°27'43 | 20°30 | 1♌ 6 | 20°28 | 22°38 | 2°19 | 16°36 | 7°30 | 3° 9 | 7°50 | 9°30 | 8° 7 | 3°26 | 24°13 | F 23 |
| S 24 | 20 30 36 | 6°25'19 | 5♍ 9 | 3°10 | 21°18 | 23°16 | 2°31 | 16°42 | 7°34 | 3°11 | 7°50 | 9°26 | 8° 3 | 3°33 | 24°10 | S 24 |
| S 25 | 20 34 32 | 7°22'57 | 19°52 | 5°13 | 22° 7 | 23°54 | 2°43 | 16°48 | 7°37 | 3°12 | 7°50 | 9°22 | 8° 0 | 3°40 | 24° 6 | S 25 |
| M26 | 20 38 29 | 8°20'36 | 4♎31 | 7°15 | 22°56 | 24°32 | 2°56 | 16°54 | 7°40 | 3°14 | 7°50 | 9°19 | 7°57 | 3°46 | 24° 3 | M26 |
| T 27 | 20 42 25 | 9°18'15 | 19° 1 | 9°17 | 23°44 | 25°10 | 3° 8 | 17° 1 | 7°44 | 3°15 | 7°50 | 9°16 | 7°54 | 3°53 | 24° 0 | T 27 |
| W28 | 20 46 22 | 10°15'56 | 3♏17 | 11°17 | 24°32 | 25°48 | 3°20 | 17° 7 | 7°47 | 3°17 | 7°50 | 9°15 | 7°51 | 4° 0 | 23°57 | W28 |
| T 29 | 20 50 18 | 11°13'38 | 17°16 | 13°17 | 25°18 | 26°26 | 3°33 | 17°14 | 7°51 | 3°18 | 7°51 | 9°D15 | 7°48 | 4° 7 | 23°53 | T 29 |
| F 30 | 20 54 15 | 12°11'21 | 0♐59 | 15°16 | 26° 4 | 27° 4 | 3°45 | 17°20 | 7°54 | 3°20 | 7°51 | 9°16 | 7°44 | 4°13 | 23°50 | F 30 |
| S 31 | 20 58 12 | 13♌ 9'05 | 14♐26 | 17♌13 | 26♍49 | 27♍43 | 3♍58 | 17♍26 | 7♍58 | 3♎21 | 7♉51 | 9♋17 | 7♋41 | 4♈20 | 23♑47 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n46 | 9s17 | 4n43 | 20n57 | 2s29 | 12n16 | 0n44 | 8n58 | 0n49 | 13n13 | 1n 5 | 8n 5 | 2n 9 | 9n54 | 0n45 | 0n23 | 1n38 | 0s14 | 15s 9 | 23n12 | 23n14 | 4s17 | 14s20 | 6n55 |
| F 2 | 22 40 | 14 4 | 4 0 | 21 13 | 2 15 | 11 50 | 0 39 | 8 43 | 0 48 | 13 9 | 1 5 | 8 3 | 2 9 | 9 53 | 0 45 | 0 23 | 1 38 | 0 14 | 15 10 | 23 12 | 23 14 | 4 14 | 14 21 | 6 56 |
| S 3 | 22 33 | 18 4 | 3 4 | 21 29 | 2 1 | 11 24 | 0 34 | 8 29 | 0 48 | 13 6 | 1 5 | 8 1 | 2 9 | 9 52 | 0 45 | 0 23 | 1 38 | 0 14 | 15 10 | 23 12 | 23 14 | 4 12 | 14 21 | 6 56 |
| S 4 | 22 26 | 21 1 | 1 59 | 21 45 | 1 46 | 10 58 | 0 29 | 8 14 | 0 47 | 13 2 | 1 4 | 7 59 | 2 9 | 9 51 | 0 45 | 0 22 | 1 38 | 0 14 | 15 10 | 23 12 | 23 14 | 4 9 | 14 22 | 6 56 |
| M 5 | 22 18 | 22 45 | 0 47 | 22 0 | 1 32 | 10 31 | 0 24 | 8 0 | 0 46 | 12 58 | 1 4 | 7 57 | 2 9 | 9 50 | 0 45 | 0 22 | 1 38 | 0 14 | 15 10 | 23 12 | 23 14 | 4 6 | 14 22 | 6 56 |
| T 6 | 22 10 | 23 12 | 0s25 | 22 15 | 1 18 | 10 5 | 0 19 | 7 45 | 0 45 | 12 54 | 1 4 | 7 55 | 2 9 | 9 49 | 0 45 | 0 22 | 1 38 | 0 14 | 15 11 | 23 12 | 23 15 | 4 4 | 14 23 | 6 56 |
| W 7 | 22 2 | 22 24 | 1 35 | 22 29 | 1 4 | 9 38 | 0 13 | 7 30 | 0 44 | 12 49 | 1 4 | 7 53 | 2 8 | 9 48 | 0 45 | 0 21 | 1 38 | 0 14 | 15 11 | 23 12 | 23 15 | 4 1 | 14 23 | 6 56 |
| T 8 | 21 53 | 20 28 | 2 38 | 22 41 | 0 50 | 9 11 | 0 7 | 7 15 | 0 44 | 12 45 | 1 4 | 7 51 | 2 8 | 9 46 | 0 45 | 0 21 | 1 38 | 0 14 | 15 11 | 23 12 | 23 15 | 3 59 | 14 24 | 6 56 |
| F 9 | 21 44 | 17 35 | 3 33 | 22 52 | 0 36 | 8 44 | 0 2 | 7 0 | 0 43 | 12 41 | 1 4 | 7 49 | 2 8 | 9 45 | 0 45 | 0 20 | 1 37 | 0 14 | 15 11 | 23 12 | 23 15 | 3 56 | 14 24 | 6 56 |
| S 10 | 21 35 | 13 59 | 4 18 | 23 2 | 0 23 | 8 17 | 0s 4 | 6 45 | 0 42 | 12 37 | 1 4 | 7 46 | 2 8 | 9 44 | 0 45 | 0 20 | 1 37 | 0 14 | 15 12 | 23 12 | 23 16 | 3 54 | 14 25 | 6 56 |
| S 11 | 21 25 | 9 53 | 4 50 | 23 10 | 0 10 | 7 50 | 0 10 | 6 30 | 0 41 | 12 33 | 1 4 | 7 44 | 2 8 | 9 43 | 0 44 | 0 19 | 1 37 | 0 14 | 15 12 | 23 12 | 23 16 | 3 51 | 14 26 | 6 56 |
| M12 | 21 15 | 5 26 | 5 9 | 23 15 | 0n 3 | 7 22 | 0 16 | 6 15 | 0 40 | 12 29 | 1 4 | 7 42 | 2 8 | 9 42 | 0 44 | 0 19 | 1 37 | 0 15 | 15 12 | 23 13 | 23 16 | 3 48 | 14 26 | 6 56 |
| T 13 | 21 4 | 0 48 | 5 15 | 23 19 | 0 15 | 6 55 | 0 23 | 6 0 | 0 40 | 12 25 | 1 4 | 7 40 | 2 8 | 9 41 | 0 44 | 0 19 | 1 37 | 0 15 | 15 13 | 23 13 | 23 16 | 3 46 | 14 27 | 6 56 |
| W14 | 20 53 | 3n51 | 5 8 | 23 20 | 0 26 | 6 28 | 0 29 | 5 45 | 0 39 | 12 20 | 1 4 | 7 37 | 2 8 | 9 40 | 0 44 | 0 18 | 1 37 | 0 15 | 15 13 | 23 13 | 23 16 | 3 43 | 14 27 | 6 56 |
| T 15 | 20 42 | 8 25 | 4 47 | 23 19 | 0 37 | 6 1 | 0 36 | 5 30 | 0 38 | 12 16 | 1 4 | 7 35 | 2 7 | 9 38 | 0 44 | 0 18 | 1 37 | 0 15 | 15 13 | 23 13 | 23 17 | 3 41 | 14 28 | 6 56 |
| F 16 | 20 30 | 12 43 | 4 13 | 23 15 | 0 47 | 5 33 | 0 42 | 5 14 | 0 37 | 12 12 | 1 4 | 7 33 | 2 7 | 9 37 | 0 44 | 0 17 | 1 37 | 0 15 | 15 13 | 23 13 | 23 17 | 3 38 | 14 29 | 6 56 |
| S 17 | 20 18 | 16 35 | 3 27 | 23 9 | 0 56 | 5 6 | 0 49 | 4 59 | 0 36 | 12 8 | 1 4 | 7 30 | 2 7 | 9 36 | 0 44 | 0 17 | 1 37 | 0 15 | 15 14 | 23 13 | 23 17 | 3 35 | 14 29 | 6 56 |
| S 18 | 20 6 | 19 47 | 2 29 | 22 59 | 1 5 | 4 39 | 0 56 | 4 43 | 0 36 | 12 3 | 1 4 | 7 28 | 2 7 | 9 35 | 0 44 | 0 16 | 1 37 | 0 16 | 15 14 | 23 12 | 23 17 | 3 33 | 14 30 | 6 56 |
| M19 | 19 54 | 22 4 | 1 22 | 22 48 | 1 13 | 4 11 | 1 3 | 4 28 | 0 35 | 11 59 | 1 4 | 7 25 | 2 7 | 9 34 | 0 44 | 0 15 | 1 37 | 0 16 | 15 14 | 23 12 | 23 17 | 3 30 | 14 30 | 6 56 |
| T 20 | 19 41 | 23 10 | 0 9 | 22 33 | 1 20 | 3 44 | 1 10 | 4 12 | 0 34 | 11 55 | 1 4 | 7 23 | 2 7 | 9 32 | 0 44 | 0 15 | 1 37 | 0 16 | 15 15 | 23 12 | 23 18 | 3 28 | 14 31 | 6 56 |
| W21 | 19 27 | 22 53 | 1n 7 | 22 16 | 1 26 | 3 17 | 1 18 | 3 57 | 0 33 | 11 50 | 1 4 | 7 20 | 2 7 | 9 31 | 0 44 | 0 14 | 1 37 | 0 16 | 15 15 | 23 12 | 23 18 | 3 25 | 14 32 | 6 56 |
| T 22 | 19 14 | 21 7 | 2 20 | 21 56 | 1 31 | 2 50 | 1 25 | 3 41 | 0 33 | 11 46 | 1 4 | 7 18 | 2 7 | 9 30 | 0 44 | 0 14 | 1 37 | 0 16 | 15 15 | 23 12 | 23 18 | 3 22 | 14 32 | 6 56 |
| F 23 | 19 0 | 17 58 | 3 26 | 21 34 | 1 36 | 2 23 | 1 33 | 3 25 | 0 32 | 11 41 | 1 4 | 7 15 | 2 7 | 9 29 | 0 44 | 0 13 | 1 37 | 0 17 | 15 15 | 23 13 | 23 18 | 3 20 | 14 33 | 6 55 |
| S 24 | 18 45 | 13 40 | 4 19 | 21 9 | 1 39 | 1 56 | 1 40 | 3 10 | 0 31 | 11 37 | 1 4 | 7 13 | 2 7 | 9 27 | 0 44 | 0 13 | 1 37 | 0 17 | 15 16 | 23 13 | 23 18 | 3 17 | 14 34 | 6 55 |
| S 25 | 18 31 | 8 33 | 4 55 | 20 42 | 1 42 | 1 29 | 1 48 | 2 54 | 0 30 | 11 32 | 1 4 | 7 10 | 2 6 | 9 26 | 0 44 | 0 12 | 1 37 | 0 17 | 15 16 | 23 13 | 23 19 | 3 15 | 14 34 | 6 55 |
| M26 | 18 16 | 2 57 | 5 12 | 20 14 | 1 44 | 1 2 | 1 56 | 2 38 | 0 30 | 11 28 | 1 3 | 7 8 | 2 6 | 9 25 | 0 44 | 0 11 | 1 37 | 0 17 | 15 16 | 23 13 | 23 19 | 3 12 | 14 35 | 6 55 |
| T 27 | 18 1 | 2s44 | 5 8 | 19 43 | 1 46 | 0 36 | 2 4 | 2 22 | 0 29 | 11 23 | 1 3 | 7 5 | 2 6 | 9 24 | 0 44 | 0 11 | 1 37 | 0 17 | 15 17 | 23 14 | 23 19 | 3 9 | 14 36 | 6 55 |
| W28 | 17 45 | 8 11 | 4 46 | 19 10 | 1 46 | 0 9 | 2 13 | 2 6 | 0 28 | 11 19 | 1 3 | 7 3 | 2 6 | 9 22 | 0 44 | 0 10 | 1 37 | 0 18 | 15 17 | 23 14 | 23 19 | 3 7 | 14 36 | 6 55 |
| T 29 | 17 29 | 13 8 | 4 7 | 18 36 | 1 46 | 0s17 | 2 21 | 1 51 | 0 27 | 11 14 | 1 3 | 7 0 | 2 6 | 9 21 | 0 44 | 0 9 | 1 37 | 0 18 | 15 17 | 23 14 | 23 19 | 3 4 | 14 37 | 6 55 |
| F 30 | 17 13 | 17 17 | 3 14 | 18 1 | 1 46 | 0 43 | 2 30 | 1 35 | 0 27 | 11 10 | 1 3 | 6 58 | 2 6 | 9 20 | 0 44 | 0 9 | 1 37 | 0 18 | 15 17 | 23 14 | 23 19 | 3 1 | 14 38 | 6 54 |
| S 31 | 16n57 | 20s28 | 2n12 | 17n24 | 1n44 | 1s 9 | 2s38 | 1n19 | 0n26 | 11n 5 | 1n 3 | 6n55 | 2n 6 | 9n18 | 0n44 | 0n 8 | 1n37 | 0s18 | 15s18 | 23n14 | 23n20 | 2s59 | 14s39 | 6n54 |

Julian Day Number = 2132510.5, Delta T = 16m22s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'44, Lahiri = 11°40'45 Julian Calendar 1 July 1126 == Greg. Calendar 8 July 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## AUGUST 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 2 8 | 14♌ 6'50 | 27♐37 | 19♌ 9 | 27♍33 | 28♍21 | 4♍10 | 17♍33 | 8♍ 1 | 3♎23 | 7♉51 | 9♋19 | 7♋38 | 4♈27 | 23°R44 | S 1 |
| M 2 | 21 6 5 | 15° 4'37 | 10♑34 | 21° 4 | 28°16 | 29° 0 | 4°23 | 17°40 | 8° 5 | 3°24 | 7°R51 | 9°R19 | 7°35 | 4°33 | 23♑41 | M 2 |
| T 3 | 21 10 1 | 16° 2'24 | 23°20 | 22°58 | 28°58 | 29°38 | 4°36 | 17°46 | 8° 8 | 3°26 | 7°51 | 9°18 | 7°32 | 4°40 | 23°38 | T 3 |
| W 4 | 21 13 58 | 17° 0'14 | 5♒53 | 24°50 | 29°39 | 0♎17 | 4°48 | 17°53 | 8°12 | 3°28 | 7°51 | 9°15 | 7°28 | 4°47 | 23°35 | W 4 |
| T 5 | 21 17 54 | 17°58'04 | 18°17 | 26°41 | 0♎18 | 0°55 | 5° 1 | 18° 0 | 8°15 | 3°29 | 7°51 | 9°11 | 7°25 | 4°54 | 23°32 | T 5 |
| F 6 | 21 21 51 | 18°55'56 | 0♓30 | 28°31 | 0°57 | 1°34 | 5°14 | 18° 6 | 8°19 | 3°31 | 7°50 | 9° 5 | 7°22 | 5° 0 | 23°29 | F 6 |
| S 7 | 21 25 47 | 19°53'50 | 12°36 | 0♍19 | 1°35 | 2°13 | 5°26 | 18°13 | 8°23 | 3°33 | 7°50 | 8°58 | 7°19 | 5° 7 | 23°26 | S 7 |
| S 8 | 21 29 44 | 20°51'45 | 24°35 | 2° 6 | 2°11 | 2°52 | 5°39 | 18°20 | 8°26 | 3°35 | 7°50 | 8°50 | 7°16 | 5°14 | 23°23 | S 8 |
| M 9 | 21 33 41 | 21°49'42 | 6♈29 | 3°51 | 2°47 | 3°31 | 5°52 | 18°27 | 8°30 | 3°36 | 7°50 | 8°42 | 7°13 | 5°21 | 23°20 | M 9 |
| T 10 | 21 37 37 | 22°47'41 | 18°20 | 5°36 | 3°21 | 4°10 | 6° 5 | 18°34 | 8°34 | 3°38 | 7°50 | 8°36 | 7° 9 | 5°27 | 23°17 | T 10 |
| W11 | 21 41 34 | 23°45'42 | 0♉13 | 7°19 | 3°53 | 4°49 | 6°18 | 18°41 | 8°37 | 3°40 | 7°50 | 8°31 | 7° 6 | 5°34 | 23°15 | W11 |
| T 12 | 21 45 30 | 24°43'45 | 12°11 | 9° 0 | 4°25 | 5°28 | 6°30 | 18°48 | 8°41 | 3°42 | 7°50 | 8°29 | 7° 3 | 5°41 | 23°12 | T 12 |
| F 13 | 21 49 27 | 25°41'50 | 24°18 | 10°41 | 4°55 | 6° 7 | 6°43 | 18°55 | 8°45 | 3°44 | 7°49 | 8°D28 | 7° 0 | 5°47 | 23° 9 | F 13 |
| S 14 | 21 53 23 | 26°39'56 | 6♊40 | 12°20 | 5°23 | 6°47 | 6°56 | 19° 2 | 8°48 | 3°45 | 7°49 | 8°28 | 6°57 | 5°54 | 23° 7 | S 14 |
| S 15 | 21 57 20 | 27°38'05 | 19°21 | 13°58 | 5°50 | 7°26 | 7° 9 | 19° 9 | 8°52 | 3°47 | 7°49 | 8°29 | 6°53 | 6° 1 | 23° 4 | S 15 |
| M16 | 22 1 16 | 28°36'16 | 2♋25 | 15°35 | 6°15 | 8° 6 | 7°22 | 19°16 | 8°56 | 3°49 | 7°48 | 8°R30 | 6°50 | 6° 8 | 23° 2 | M16 |
| T 17 | 22 5 13 | 29°34'29 | 15°56 | 17°11 | 6°39 | 8°45 | 7°35 | 19°23 | 8°59 | 3°51 | 7°48 | 8°30 | 6°47 | 6°14 | 22°59 | T 17 |
| W18 | 22 9 10 | 0♍32'44 | 29°55 | 18°45 | 7° 1 | 9°25 | 7°48 | 19°30 | 9° 3 | 3°53 | 7°48 | 8°28 | 6°44 | 6°21 | 22°57 | W18 |
| T 19 | 22 13 6 | 1°31'00 | 14♌20 | 20°18 | 7°21 | 10° 4 | 8° 1 | 19°37 | 9° 7 | 3°55 | 7°47 | 8°24 | 6°41 | 6°28 | 22°54 | T 19 |
| F 20 | 22 17 3 | 2°29'19 | 29° 8 | 21°50 | 7°40 | 10°44 | 8°14 | 19°44 | 9°11 | 3°57 | 7°47 | 8°18 | 6°38 | 6°35 | 22°52 | F 20 |
| S 21 | 22 20 59 | 3°27'40 | 14♍10 | 23°21 | 7°56 | 11°24 | 8°27 | 19°51 | 9°14 | 3°59 | 7°47 | 8°10 | 6°34 | 6°41 | 22°50 | S 21 |
| S 22 | 22 24 56 | 4°26'02 | 29°17 | 24°51 | 8°11 | 12° 4 | 8°40 | 19°58 | 9°18 | 4° 1 | 7°46 | 8° 1 | 6°31 | 6°48 | 22°48 | S 22 |
| M23 | 22 28 52 | 5°24'26 | 14♎19 | 26°19 | 8°23 | 12°44 | 8°53 | 20° 6 | 9°22 | 4° 3 | 7°46 | 7°53 | 6°28 | 6°55 | 22°45 | M23 |
| T 24 | 22 32 49 | 6°22'51 | 29° 7 | 27°47 | 8°34 | 13°24 | 9° 6 | 20°13 | 9°26 | 4° 5 | 7°45 | 7°47 | 6°25 | 7° 1 | 22°43 | T 24 |
| W25 | 22 36 45 | 7°21'19 | 13♏35 | 29°13 | 8°42 | 14° 4 | 9°19 | 20°20 | 9°30 | 4° 7 | 7°45 | 7°42 | 6°22 | 7° 8 | 22°41 | W25 |
| T 26 | 22 40 42 | 8°19'48 | 27°40 | 0♎38 | 8°48 | 14°44 | 9°32 | 20°27 | 9°33 | 4° 9 | 7°44 | 7°40 | 6°19 | 7°15 | 22°39 | T 26 |
| F 27 | 22 44 38 | 9°18'18 | 11♐20 | 2° 1 | 8°52 | 15°24 | 9°45 | 20°35 | 9°37 | 4°11 | 7°44 | 7°D39 | 6°15 | 7°22 | 22°37 | F 27 |
| S 28 | 22 48 35 | 10°16'51 | 24°38 | 3°24 | 8°R54 | 16° 5 | 9°58 | 20°42 | 9°41 | 4°13 | 7°43 | 7°40 | 6°12 | 7°28 | 22°35 | S 28 |
| S 29 | 22 52 32 | 11°15'25 | 7♑37 | 4°45 | 8°53 | 16°45 | 10°11 | 20°49 | 9°45 | 4°15 | 7°43 | 7°R40 | 6° 9 | 7°35 | 22°34 | S 29 |
| M30 | 22 56 28 | 12°14'00 | 20°19 | 6° 4 | 8°50 | 17°26 | 10°24 | 20°57 | 9°48 | 4°17 | 7°42 | 7°39 | 6° 6 | 7°42 | 22°32 | M30 |
| T 31 | 23 0 25 | 13♍12'38 | 2♒47 | 7♎22 | 8♎45 | 18♎ 6 | 10♍37 | 21♍ 4 | 9♍52 | 4♎19 | 7♉42 | 7♋37 | 6♋ 3 | 7♈48 | 22♑30 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n40 | 22s28 | 1n 3 | 16n46 | 1n43 | 1s34 | 2s47 | 1n 3 | 0n25 | 11n 0 | 1n 3 | 6n52 | 2n 6 | 9n17 | 0n44 | 0n 8 | 1n37 | 0s19 | 15s18 | 23n13 | 23n20 | 2s56 | 14s39 | 6n54 |
| M 2 | 16 23 | 23 15 | 0s 7 | 16 7 | 1 40 | 1 59 | 2 56 | 0 46 | 0 24 | 10 56 | 1 3 | 6 50 | 2 6 | 9 16 | 0 44 | 0 7 | 1 37 | 0 19 | 15 18 | 23 13 | 23 20 | 2 54 | 14 40 | 6 54 |
| T 3 | 16 6 | 22 46 | 1 16 | 15 28 | 1 37 | 2 24 | 3 5 | 0 30 | 0 24 | 10 51 | 1 3 | 6 47 | 2 6 | 9 14 | 0 44 | 0 6 | 1 36 | 0 19 | 15 19 | 23 13 | 23 20 | 2 51 | 14 41 | 6 54 |
| W 4 | 15 49 | 21 8 | 2 19 | 14 47 | 1 34 | 2 49 | 3 14 | 0 14 | 0 23 | 10 47 | 1 3 | 6 44 | 2 6 | 9 13 | 0 44 | 0 5 | 1 36 | 0 20 | 15 19 | 23 14 | 23 20 | 2 48 | 14 41 | 6 54 |
| T 5 | 15 31 | 18 31 | 3 16 | 14 6 | 1 30 | 3 14 | 3 23 | 0s 2 | 0 22 | 10 42 | 1 3 | 6 42 | 2 6 | 9 12 | 0 44 | 0 5 | 1 36 | 0 20 | 15 19 | 23 14 | 23 21 | 2 46 | 14 42 | 6 53 |
| F 6 | 15 13 | 15 7 | 4 2 | 13 24 | 1 26 | 3 38 | 3 32 | 0 18 | 0 21 | 10 37 | 1 3 | 6 39 | 2 6 | 9 10 | 0 44 | 0 4 | 1 36 | 0 20 | 15 20 | 23 14 | 23 21 | 2 43 | 14 43 | 6 53 |
| S 7 | 14 55 | 11 7 | 4 37 | 12 41 | 1 22 | 4 1 | 3 42 | 0 34 | 0 21 | 10 32 | 1 3 | 6 36 | 2 5 | 9 9 | 0 44 | 0 3 | 1 36 | 0 20 | 15 20 | 23 15 | 23 21 | 2 40 | 14 43 | 6 53 |
| S 8 | 14 37 | 6 44 | 4 59 | 11 58 | 1 17 | 4 25 | 3 51 | 0 50 | 0 20 | 10 28 | 1 3 | 6 33 | 2 5 | 9 7 | 0 44 | 0 3 | 1 36 | 0 21 | 15 20 | 23 15 | 23 21 | 2 38 | 14 44 | 6 53 |
| M 9 | 14 18 | 2 8 | 5 8 | 11 15 | 1 11 | 4 47 | 4 1 | 1 7 | 0 19 | 10 23 | 1 3 | 6 31 | 2 5 | 9 6 | 0 44 | 0 2 | 1 36 | 0 21 | 15 20 | 23 16 | 23 21 | 2 35 | 14 45 | 6 52 |
| T 10 | 13 59 | 2n32 | 5 4 | 10 31 | 1 6 | 5 10 | 4 11 | 1 23 | 0 18 | 10 18 | 1 3 | 6 28 | 2 5 | 9 5 | 0 44 | 0 1 | 1 36 | 0 21 | 15 21 | 23 16 | 23 21 | 2 33 | 14 46 | 6 52 |
| W11 | 13 40 | 7 8 | 4 47 | 9 48 | 1 0 | 5 32 | 4 20 | 1 39 | 0 18 | 10 13 | 1 3 | 6 25 | 2 5 | 9 3 | 0 44 | 0 0 | 1 36 | 0 22 | 15 21 | 23 17 | 23 22 | 2 30 | 14 46 | 6 52 |
| T 12 | 13 20 | 11 29 | 4 17 | 9 4 | 0 54 | 5 53 | 4 30 | 1 55 | 0 17 | 10 9 | 1 3 | 6 22 | 2 5 | 9 2 | 0 44 | 0s 0 | 1 36 | 0 22 | 15 21 | 23 17 | 23 22 | 2 27 | 14 47 | 6 52 |
| F 13 | 13 1 | 15 27 | 3 35 | 8 20 | 0 47 | 6 14 | 4 40 | 2 12 | 0 16 | 10 4 | 1 3 | 6 20 | 2 5 | 9 0 | 0 44 | 0 1 | 1 36 | 0 22 | 15 22 | 23 17 | 23 22 | 2 25 | 14 48 | 6 51 |
| S 14 | 12 41 | 18 51 | 2 43 | 7 36 | 0 41 | 6 35 | 4 50 | 2 28 | 0 16 | 9 59 | 1 3 | 6 17 | 2 5 | 8 59 | 0 44 | 0 2 | 1 36 | 0 23 | 15 22 | 23 17 | 23 22 | 2 22 | 14 48 | 6 51 |
| S 15 | 12 21 | 21 26 | 1 41 | 6 52 | 0 34 | 6 55 | 5 0 | 2 44 | 0 15 | 9 54 | 1 3 | 6 14 | 2 5 | 8 58 | 0 44 | 0 3 | 1 36 | 0 23 | 15 22 | 23 17 | 23 22 | 2 19 | 14 49 | 6 51 |
| M16 | 12 1 | 22 59 | 0 33 | 6 7 | 0 27 | 7 14 | 5 10 | 3 0 | 0 14 | 9 50 | 1 3 | 6 11 | 2 5 | 8 56 | 0 44 | 0 3 | 1 36 | 0 23 | 15 22 | 23 17 | 23 22 | 2 17 | 14 50 | 6 50 |
| T 17 | 11 40 | 23 15 | 0n40 | 5 24 | 0 20 | 7 32 | 5 20 | 3 17 | 0 13 | 9 45 | 1 3 | 6 8 | 2 5 | 8 55 | 0 44 | 0 4 | 1 36 | 0 24 | 15 23 | 23 17 | 23 23 | 2 14 | 14 50 | 6 50 |
| W18 | 11 20 | 22 6 | 1 52 | 4 40 | 0 13 | 7 50 | 5 30 | 3 33 | 0 13 | 9 40 | 1 3 | 6 6 | 2 5 | 8 53 | 0 44 | 0 5 | 1 36 | 0 24 | 15 23 | 23 17 | 23 23 | 2 11 | 14 51 | 6 50 |
| T 19 | 10 59 | 19 28 | 3 0 | 3 56 | 0 5 | 8 8 | 5 40 | 3 49 | 0 12 | 9 35 | 1 3 | 6 3 | 2 5 | 8 52 | 0 44 | 0 6 | 1 36 | 0 25 | 15 23 | 23 17 | 23 23 | 2 9 | 14 52 | 6 49 |
| F 20 | 10 38 | 15 32 | 3 57 | 3 13 | 0s 3 | 8 24 | 5 50 | 4 6 | 0 11 | 9 30 | 1 3 | 6 0 | 2 5 | 8 51 | 0 44 | 0 7 | 1 36 | 0 25 | 15 23 | 23 17 | 23 23 | 2 6 | 14 53 | 6 49 |
| S 21 | 10 17 | 10 32 | 4 39 | 2 30 | 0 10 | 8 40 | 6 0 | 4 22 | 0 11 | 9 25 | 1 3 | 5 57 | 2 5 | 8 49 | 0 44 | 0 7 | 1 36 | 0 25 | 15 24 | 23 18 | 23 23 | 2 3 | 14 53 | 6 49 |
| S 22 | 9 56 | 4 53 | 5 1 | 1 47 | 0 18 | 8 55 | 6 10 | 4 38 | 0 10 | 9 20 | 1 3 | 5 54 | 2 5 | 8 48 | 0 44 | 0 8 | 1 36 | 0 26 | 15 24 | 23 18 | 23 23 | 2 1 | 14 54 | 6 48 |
| M23 | 9 34 | 1s 1 | 5 3 | 1 4 | 0 26 | 9 9 | 6 20 | 4 55 | 0 9 | 9 16 | 1 4 | 5 51 | 2 5 | 8 46 | 0 44 | 0 9 | 1 36 | 0 26 | 15 24 | 23 19 | 23 24 | 1 58 | 14 55 | 6 48 |
| T 24 | 9 13 | 6 47 | 4 44 | 0 22 | 0 34 | 9 22 | 6 29 | 5 11 | 0 9 | 9 11 | 1 4 | 5 48 | 2 5 | 8 45 | 0 44 | 0 10 | 1 36 | 0 26 | 15 24 | 23 19 | 23 24 | 1 55 | 14 55 | 6 48 |
| W25 | 8 51 | 12 3 | 4 7 | 0s20 | 0 42 | 9 34 | 6 39 | 5 27 | 0 8 | 9 6 | 1 4 | 5 45 | 2 5 | 8 43 | 0 44 | 0 11 | 1 36 | 0 27 | 15 25 | 23 20 | 23 24 | 1 53 | 14 56 | 6 47 |
| T 26 | 8 29 | 16 32 | 3 17 | 1 1 | 0 50 | 9 45 | 6 48 | 5 43 | 0 7 | 9 1 | 1 4 | 5 43 | 2 5 | 8 42 | 0 44 | 0 11 | 1 36 | 0 27 | 15 25 | 23 20 | 23 24 | 1 50 | 14 57 | 6 47 |
| F 27 | 8 7 | 20 0 | 2 16 | 1 42 | 0 58 | 9 55 | 6 58 | 6 0 | 0 6 | 8 56 | 1 4 | 5 40 | 2 5 | 8 41 | 0 44 | 0 12 | 1 36 | 0 28 | 15 25 | 23 20 | 23 24 | 1 47 | 14 57 | 6 47 |
| S 28 | 7 45 | 22 18 | 1 9 | 2 22 | 1 6 | 10 4 | 7 7 | 6 16 | 0 6 | 8 51 | 1 4 | 5 37 | 2 5 | 8 39 | 0 44 | 0 13 | 1 36 | 0 28 | 15 25 | 23 20 | 23 24 | 1 45 | 14 58 | 6 46 |
| S 29 | 7 23 | 23 20 | 0 0 | 3 2 | 1 14 | 10 12 | 7 16 | 6 32 | 0 5 | 8 46 | 1 4 | 5 34 | 2 5 | 8 38 | 0 44 | 0 14 | 1 36 | 0 28 | 15 26 | 23 20 | 23 25 | 1 42 | 14 59 | 6 46 |
| M30 | 7 0 | 23 7 | 1s 7 | 3 41 | 1 22 | 10 19 | 7 24 | 6 48 | 0 4 | 8 41 | 1 4 | 5 31 | 2 5 | 8 36 | 0 44 | 0 15 | 1 36 | 0 29 | 15 26 | 23 20 | 23 25 | 1 39 | 14 59 | 6 46 |
| T 31 | 6n38 | 21s44 | 2s 9 | 4s19 | 1s30 | 10s24 | 7s32 | 7s 5 | 0n 4 | 8n36 | 1n 4 | 5n28 | 2n 5 | 8n35 | 0n44 | 0s16 | 1n36 | 0s29 | 15s26 | 23n20 | 23n25 | 1s37 | 15s 0 | 6n45 |

Julian Day Number = 2132541.5, Delta T = 16m22s
Ecliptic obliquity = 23°33'08, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'49, Lahiri = 11°40'49 Julian Calendar 1 Aug. 1126 == Greg. Calendar 8 Aug. 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## SEPTEMBER 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 4 21 | 14♍11'17 | 15♒ 6 | 8♎39 | 8°R37 | 18♎47 | 10♍50 | 21♍11 | 9♍56 | 4♎22 | 7°R41 | 7°R31 | 5♋59 | 7♈55 | 22°R29 | W 1 |
| T 2 | 23 8 18 | 15° 9'58 | 27°16 | 9°54 | 8♎27 | 19°27 | 11° 3 | 21°19 | 10° 0 | 4°24 | 7♉41 | 7♋23 | 5°56 | 8° 2 | 22♏27 | T 2 |
| F 3 | 23 12 14 | 16° 8'41 | 9♓20 | 11° 8 | 8°14 | 20° 8 | 11°16 | 21°26 | 10° 4 | 4°26 | 7°40 | 7°12 | 5°53 | 8° 9 | 22°26 | F 3 |
| S 4 | 23 16 11 | 17° 7'26 | 21°19 | 12°20 | 7°59 | 20°49 | 11°29 | 21°33 | 10° 7 | 4°28 | 7°39 | 7° 0 | 5°50 | 8°15 | 22°24 | S 4 |
| S 5 | 23 20 7 | 18° 6'12 | 3♈13 | 13°30 | 7°42 | 21°30 | 11°42 | 21°41 | 10°11 | 4°30 | 7°39 | 6°46 | 5°47 | 8°22 | 22°23 | S 5 |
| M 6 | 23 24 4 | 19° 5'01 | 15° 6 | 14°39 | 7°22 | 22°10 | 11°55 | 21°48 | 10°15 | 4°32 | 7°38 | 6°34 | 5°44 | 8°29 | 22°21 | M 6 |
| T 7 | 23 28 1 | 20° 3'53 | 26°57 | 15°45 | 7° 0 | 22°51 | 12° 8 | 21°56 | 10°18 | 4°34 | 7°37 | 6°22 | 5°40 | 8°36 | 22°20 | T 7 |
| W 8 | 23 31 57 | 21° 2'46 | 8♉51 | 16°49 | 6°36 | 23°32 | 12°21 | 22° 3 | 10°22 | 4°37 | 7°37 | 6°13 | 5°37 | 8°42 | 22°19 | W 8 |
| T 9 | 23 35 54 | 22° 1'42 | 20°48 | 17°51 | 6°10 | 24°14 | 12°34 | 22°10 | 10°26 | 4°39 | 7°36 | 6° 6 | 5°34 | 8°49 | 22°18 | T 9 |
| F 10 | 23 39 50 | 23° 0'40 | 2♊54 | 18°50 | 5°42 | 24°55 | 12°47 | 22°18 | 10°30 | 4°41 | 7°35 | 6° 2 | 5°31 | 8°56 | 22°17 | F 10 |
| S 11 | 23 43 47 | 23°59'40 | 15°13 | 19°47 | 5°13 | 25°36 | 12°59 | 22°25 | 10°33 | 4°43 | 7°34 | 6° 1 | 5°28 | 9° 2 | 22°16 | S 11 |
| S 12 | 23 47 43 | 24°58'43 | 27°49 | 20°41 | 4°41 | 26°17 | 13°12 | 22°32 | 10°37 | 4°45 | 7°34 | 6°D 1 | 5°25 | 9° 9 | 22°15 | S 12 |
| M13 | 23 51 40 | 25°57'48 | 10♋47 | 21°31 | 4° 9 | 26°59 | 13°25 | 22°40 | 10°41 | 4°48 | 7°33 | 6°R 1 | 5°21 | 9°16 | 22°14 | M13 |
| T 14 | 23 55 36 | 26°56'55 | 24°12 | 22°19 | 3°35 | 27°40 | 13°38 | 22°47 | 10°44 | 4°50 | 7°32 | 6° 0 | 5°18 | 9°23 | 22°14 | T 14 |
| W15 | 23 59 33 | 27°56'05 | 8♌ 6 | 23° 2 | 3° 0 | 28°22 | 13°51 | 22°55 | 10°48 | 4°52 | 7°31 | 5°57 | 5°15 | 9°29 | 22°13 | W15 |
| T 16 | 0 3 30 | 28°55'17 | 22°29 | 23°42 | 2°24 | 29° 3 | 14° 4 | 23° 2 | 10°52 | 4°54 | 7°30 | 5°51 | 5°12 | 9°36 | 22°12 | T 16 |
| F 17 | 0 7 26 | 29°54'31 | 7♍19 | 24°17 | 1°48 | 29°45 | 14°16 | 23° 9 | 10°55 | 4°57 | 7°29 | 5°43 | 5° 9 | 9°43 | 22°12 | F 17 |
| S 18 | 0 11 23 | 0♎53'48 | 22°29 | 24°47 | 1°11 | 0♏27 | 14°29 | 23°17 | 10°59 | 4°59 | 7°29 | 5°32 | 5° 5 | 9°49 | 22°11 | S 18 |
| S 19 | 0 15 19 | 1°53'06 | 7♎49 | 25°12 | 0°35 | 1° 8 | 14°42 | 23°24 | 11° 3 | 5° 1 | 7°28 | 5°21 | 5° 2 | 9°56 | 22°11 | S 19 |
| M20 | 0 19 16 | 2°52'27 | 23° 7 | 25°31 | 29♍58 | 1°50 | 14°55 | 23°31 | 11° 6 | 5° 3 | 7°27 | 5°10 | 4°59 | 10° 3 | 22°11 | M20 |
| T 21 | 0 23 12 | 3°51'50 | 8♏12 | 25°44 | 29°22 | 2°32 | 15° 7 | 23°39 | 11°10 | 5° 6 | 7°26 | 5° 1 | 4°56 | 10°10 | 22°10 | T 21 |
| W22 | 0 27 9 | 4°51'14 | 22°55 | 25°R50 | 28°46 | 3°14 | 15°20 | 23°46 | 11°13 | 5° 8 | 7°25 | 4°54 | 4°53 | 10°16 | 22°10 | W22 |
| T 23 | 0 31 5 | 5°50'41 | 7♐11 | 25°49 | 28°12 | 3°56 | 15°33 | 23°53 | 11°17 | 5°10 | 7°24 | 4°50 | 4°50 | 10°23 | 22°10 | T 23 |
| F 24 | 0 35 2 | 6°50'09 | 20°58 | 25°40 | 27°38 | 4°38 | 15°45 | 24° 0 | 11°20 | 5°12 | 7°23 | 4°48 | 4°46 | 10°30 | 22°D10 | F 24 |
| S 25 | 0 38 58 | 7°49'39 | 4♑18 | 25°24 | 27° 6 | 5°21 | 15°58 | 24° 8 | 11°24 | 5°14 | 7°22 | 4°48 | 4°43 | 10°37 | 22°10 | S 25 |
| S 26 | 0 42 55 | 8°49'11 | 17°14 | 24°59 | 26°35 | 6° 3 | 16°10 | 24°15 | 11°27 | 5°17 | 7°21 | 4°48 | 4°40 | 10°43 | 22°10 | S 26 |
| M27 | 0 46 52 | 9°48'44 | 29°50 | 24°25 | 26° 6 | 6°45 | 16°23 | 24°22 | 11°31 | 5°19 | 7°20 | 4°46 | 4°37 | 10°50 | 22°10 | M27 |
| T 28 | 0 50 48 | 10°48'20 | 12♒11 | 23°43 | 25°38 | 7°28 | 16°35 | 24°29 | 11°34 | 5°21 | 7°19 | 4°43 | 4°34 | 10°57 | 22°11 | T 28 |
| W29 | 0 54 45 | 11°47'57 | 24°20 | 22°53 | 25°13 | 8°10 | 16°48 | 24°37 | 11°38 | 5°23 | 7°18 | 4°37 | 4°30 | 11° 3 | 22°11 | W29 |
| T 30 | 0 58 41 | 12♎47'36 | 6♓22 | 21♎55 | 24♍50 | 8♏52 | 17♍ 0 | 24♍44 | 11♍41 | 5♎26 | 7♉17 | 4♋28 | 4♋27 | 11♈10 | 22♏11 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 6n15 | 19s20 | 3s 5 | 4s57 | 1s38 | 10s28 | 7s40 | 7s21 | 0n 3 | 8n31 | 1n 4 | 5n25 | 2n 5 | 8n33 | 0n44 | 0s17 | 1n36 | 0s30 | 15s26 | 23n20 | 23n25 | 1s34 | 15s 1 | 6n45 | |
| T 2 | 5 52 | 16 6 | 3 51 | 5 34 | 1 46 | 10 31 | 7 48 | 7 37 | 0 2 | 8 26 | 1 4 | 5 22 | 2 5 | 8 32 | 0 44 | 0 17 | 1 36 | 0 30 | 15 27 | 23 21 | 23 25 | 1 31 | 15 1 | 6 44 | |
| F 3 | 5 29 | 12 13 | 4 27 | 6 10 | 1 54 | 10 32 | 7 55 | 7 53 | 0 2 | 8 22 | 1 4 | 5 19 | 2 5 | 8 31 | 0 44 | 0 18 | 1 36 | 0 30 | 15 27 | 23 21 | 23 25 | 1 29 | 15 2 | 6 44 | |
| S 4 | 5 7 | 7 54 | 4 50 | 6 46 | 2 2 | 10 32 | 8 1 | 8 9 | 0 1 | 8 17 | 1 4 | 5 17 | 2 5 | 8 29 | 0 44 | 0 19 | 1 36 | 0 31 | 15 27 | 23 22 | 23 25 | 1 26 | 15 3 | 6 43 | |
| S 5 | 4 43 | 3 18 | 5 0 | 7 20 | 2 9 | 10 31 | 8 7 | 8 25 | 0 0 | 8 12 | 1 4 | 5 14 | 2 5 | 8 28 | 0 44 | 0 20 | 1 36 | 0 31 | 15 27 | 23 23 | 23 26 | 1 23 | 15 3 | 6 43 | |
| M 6 | 4 20 | 1n24 | 4 58 | 7 54 | 2 17 | 10 28 | 8 12 | 8 41 | 0s 0 | 8 7 | 1 4 | 5 11 | 2 5 | 8 26 | 0 44 | 0 21 | 1 36 | 0 32 | 15 28 | 23 23 | 23 26 | 1 21 | 15 4 | 6 43 | |
| T 7 | 3 57 | 6 3 | 4 42 | 8 26 | 2 24 | 10 23 | 8 17 | 8 57 | 0 1 | 8 2 | 1 4 | 5 8 | 2 5 | 8 25 | 0 44 | 0 22 | 1 36 | 0 32 | 15 28 | 23 24 | 23 26 | 1 18 | 15 4 | 6 42 | |
| W 8 | 3 34 | 10 30 | 4 14 | 8 58 | 2 31 | 10 17 | 8 21 | 9 13 | 0 2 | 7 57 | 1 4 | 5 5 | 2 5 | 8 23 | 0 44 | 0 23 | 1 36 | 0 32 | 15 28 | 23 24 | 23 26 | 1 15 | 15 5 | 6 42 | |
| T 9 | 3 11 | 14 35 | 3 35 | 9 28 | 2 38 | 10 10 | 8 24 | 9 29 | 0 3 | 7 52 | 1 4 | 5 2 | 2 5 | 8 22 | 0 44 | 0 24 | 1 36 | 0 33 | 15 28 | 23 25 | 23 26 | 1 12 | 15 6 | 6 41 | |
| F 10 | 2 47 | 18 8 | 2 46 | 9 57 | 2 45 | 10 1 | 8 27 | 9 44 | 0 3 | 7 47 | 1 4 | 4 59 | 2 5 | 8 21 | 0 44 | 0 24 | 1 36 | 0 33 | 15 28 | 23 25 | 23 26 | 1 10 | 15 6 | 6 41 | |
| S 11 | 2 24 | 20 57 | 1 48 | 10 24 | 2 51 | 9 51 | 8 28 | 10 0 | 0 4 | 7 42 | 1 4 | 4 56 | 2 5 | 8 19 | 0 44 | 0 25 | 1 36 | 0 34 | 15 29 | 23 25 | 23 26 | 1 7 | 15 7 | 6 41 | |
| S 12 | 2 0 | 22 49 | 0 43 | 10 50 | 2 57 | 9 39 | 8 29 | 10 16 | 0 5 | 7 37 | 1 4 | 4 53 | 2 5 | 8 18 | 0 44 | 0 26 | 1 36 | 0 34 | 15 29 | 23 25 | 23 26 | 1 4 | 15 7 | 6 40 | |
| M13 | 1 37 | 23 32 | 0n25 | 11 15 | 3 2 | 9 26 | 8 29 | 10 31 | 0 5 | 7 32 | 1 5 | 4 50 | 2 5 | 8 16 | 0 44 | 0 27 | 1 36 | 0 35 | 15 29 | 23 25 | 23 27 | 1 2 | 15 8 | 6 40 | |
| T 14 | 1 13 | 22 56 | 1 35 | 11 37 | 3 8 | 9 11 | 8 28 | 10 47 | 0 6 | 7 27 | 1 5 | 4 48 | 2 5 | 8 15 | 0 44 | 0 28 | 1 36 | 0 35 | 15 29 | 23 25 | 23 27 | 0 59 | 15 9 | 6 39 | |
| W15 | 0 50 | 20 55 | 2 41 | 11 58 | 3 12 | 8 56 | 8 26 | 11 3 | 0 7 | 7 23 | 1 5 | 4 45 | 2 5 | 8 14 | 0 44 | 0 29 | 1 36 | 0 35 | 15 29 | 23 25 | 23 27 | 0 56 | 15 9 | 6 39 | |
| T 16 | 0 26 | 17 32 | 3 39 | 12 17 | 3 17 | 8 39 | 8 23 | 11 18 | 0 7 | 7 18 | 1 5 | 4 42 | 2 5 | 8 12 | 0 44 | 0 30 | 1 36 | 0 36 | 15 30 | 23 25 | 23 27 | 0 54 | 15 10 | 6 38 | |
| F 17 | 0 2 | 12 57 | 4 24 | 12 33 | 3 20 | 8 21 | 8 20 | 11 33 | 0 8 | 7 13 | 1 5 | 4 39 | 2 5 | 8 11 | 0 44 | 0 31 | 1 36 | 0 36 | 15 30 | 23 26 | 23 27 | 0 51 | 15 10 | 6 38 | |
| S 18 | 0s21 | 7 28 | 4 52 | 12 47 | 3 23 | 8 2 | 8 15 | 11 49 | 0 8 | 7 8 | 1 5 | 4 36 | 2 6 | 8 10 | 0 44 | 0 31 | 1 36 | 0 37 | 15 30 | 23 26 | 23 27 | 0 48 | 15 11 | 6 37 | |
| S 19 | 0 45 | 1 28 | 5 0 | 12 58 | 3 25 | 7 42 | 8 10 | 12 4 | 0 9 | 7 3 | 1 5 | 4 33 | 2 6 | 8 8 | 0 44 | 0 32 | 1 36 | 0 37 | 15 30 | 23 27 | 23 27 | 0 46 | 15 11 | 6 37 | |
| M20 | 1 9 | 4s36 | 4 46 | 13 7 | 3 27 | 7 22 | 8 3 | 12 19 | 0 10 | 6 58 | 1 5 | 4 30 | 2 6 | 8 7 | 0 44 | 0 33 | 1 36 | 0 38 | 15 30 | 23 27 | 23 27 | 0 43 | 15 12 | 6 36 | |
| T 21 | 1 33 | 10 20 | 4 12 | 13 12 | 3 27 | 7 1 | 7 56 | 12 34 | 0 10 | 6 53 | 1 5 | 4 27 | 2 6 | 8 6 | 0 44 | 0 34 | 1 36 | 0 38 | 15 30 | 23 27 | 23 28 | 0 40 | 15 12 | 6 36 | |
| W22 | 1 56 | 15 20 | 3 22 | 13 13 | 3 26 | 6 39 | 7 48 | 12 50 | 0 11 | 6 49 | 1 5 | 4 25 | 2 6 | 8 4 | 0 44 | 0 35 | 1 36 | 0 38 | 15 31 | 23 28 | 23 28 | 0 37 | 15 13 | 6 36 | |
| T 23 | 2 20 | 19 18 | 2 20 | 13 11 | 3 24 | 6 17 | 7 39 | 13 4 | 0 12 | 6 44 | 1 5 | 4 22 | 2 6 | 8 3 | 0 44 | 0 36 | 1 36 | 0 39 | 15 31 | 23 28 | 23 28 | 0 35 | 15 13 | 6 35 | |
| F 24 | 2 44 | 22 2 | 1 12 | 13 5 | 3 21 | 5 55 | 7 29 | 13 19 | 0 12 | 6 39 | 1 5 | 4 19 | 2 6 | 8 2 | 0 44 | 0 37 | 1 36 | 0 39 | 15 31 | 23 28 | 23 28 | 0 32 | 15 14 | 6 35 | |
| S 25 | 3 7 | 23 26 | 0 3 | 12 55 | 3 16 | 5 33 | 7 19 | 13 34 | 0 13 | 6 34 | 1 6 | 4 16 | 2 6 | 8 0 | 0 44 | 0 38 | 1 36 | 0 40 | 15 31 | 23 28 | 23 28 | 0 29 | 15 14 | 6 34 | |
| S 26 | 3 31 | 23 31 | 1s 5 | 12 39 | 3 10 | 5 10 | 7 8 | 13 49 | 0 14 | 6 29 | 1 6 | 4 13 | 2 6 | 7 59 | 0 44 | 0 39 | 1 36 | 0 40 | 15 31 | 23 28 | 23 28 | 0 27 | 15 14 | 6 34 | |
| M27 | 3 54 | 22 22 | 2 8 | 12 20 | 3 2 | 4 48 | 6 56 | 14 4 | 0 14 | 6 24 | 1 6 | 4 11 | 2 6 | 7 58 | 0 44 | 0 39 | 1 36 | 0 41 | 15 31 | 23 28 | 23 28 | 0 24 | 15 15 | 6 33 | |
| T 28 | 4 18 | 20 9 | 3 4 | 11 55 | 2 52 | 4 26 | 6 44 | 14 18 | 0 15 | 6 20 | 1 6 | 4 8 | 2 6 | 7 56 | 0 44 | 0 40 | 1 36 | 0 41 | 15 31 | 23 28 | 23 28 | 0 21 | 15 15 | 6 33 | |
| W29 | 4 41 | 17 5 | 3 50 | 11 25 | 2 41 | 4 4 | 6 31 | 14 32 | 0 16 | 6 15 | 1 6 | 4 5 | 2 6 | 7 55 | 0 44 | 0 41 | 1 36 | 0 41 | 15 32 | 23 28 | 23 29 | 0 18 | 15 16 | 6 32 | |
| T 30 | 5s 5 | 13s19 | 4s25 | 10s51 | 2s27 | 3s43 | 6s18 | 14s47 | 0s16 | 6n10 | 1n 6 | 4n 2 | 2n 6 | 7n54 | 0n44 | 0s42 | 1n36 | 0s42 | 15s32 | 23n29 | 23n29 | 0s16 | 15s16 | 6n32 | |

Julian Day Number = 2132572.5, Delta T = 16m21s
Ecliptic obliquity = 23°33'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'53, Lahiri = 11°40'53 Julian Calendar 1 Sept. 1126 == Greg. Calendar 8 Sept. 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## OCTOBER 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 2 38 | 13♎47'17 | 18♓19 | 20°R50 | 24°R28 | 9♏35 | 17♍12 | 24♍51 | 11♍44 | 5♎28 | 7°R16 | 4°R17 | 4♋24 | 11♈17 | 22♐12 | F 1 |
| S 2 | 1 6 34 | 14°47'00 | 0♈12 | 19♎40 | 24♍10 | 10°18 | 17°24 | 24°58 | 11°48 | 5°30 | 7♉15 | 4♋ 3 | 4°21 | 11°24 | 22°12 | S 2 |
| S 3 | 1 10 31 | 15°46'44 | 12° 5 | 18°26 | 23°53 | 11° 0 | 17°37 | 25° 5 | 11°51 | 5°32 | 7°14 | 3°49 | 4°18 | 11°30 | 22°13 | S 3 |
| M 4 | 1 14 27 | 16°46'31 | 23°58 | 17°11 | 23°39 | 11°43 | 17°49 | 25°12 | 11°54 | 5°35 | 7°13 | 3°35 | 4°15 | 11°37 | 22°14 | M 4 |
| T 5 | 1 18 24 | 17°46'20 | 5♉53 | 15°56 | 23°27 | 12°26 | 18° 1 | 25°19 | 11°57 | 5°37 | 7°12 | 3°22 | 4°11 | 11°44 | 22°14 | T 5 |
| W 6 | 1 22 21 | 18°46'10 | 17°50 | 14°43 | 23°18 | 13° 9 | 18°13 | 25°26 | 12° 1 | 5°39 | 7°11 | 3°12 | 4° 8 | 11°50 | 22°15 | W 6 |
| T 7 | 1 26 17 | 19°46'03 | 29°53 | 13°36 | 23°11 | 13°52 | 18°25 | 25°33 | 12° 4 | 5°41 | 7°10 | 3° 5 | 4° 5 | 11°57 | 22°16 | T 7 |
| F 8 | 1 30 14 | 20°45'59 | 12♊ 3 | 12°36 | 23° 7 | 14°35 | 18°37 | 25°40 | 12° 7 | 5°43 | 7° 9 | 3° 0 | 4° 2 | 12° 4 | 22°17 | F 8 |
| S 9 | 1 34 10 | 21°45'56 | 24°24 | 11°44 | 23°D 5 | 15°18 | 18°49 | 25°47 | 12°10 | 5°45 | 7° 8 | 2°58 | 3°59 | 12°11 | 22°18 | S 9 |
| S 10 | 1 38 7 | 22°45'56 | 7♋ 0 | 11° 3 | 23° 6 | 16° 1 | 19° 1 | 25°54 | 12°13 | 5°48 | 7° 7 | 2°D58 | 3°56 | 12°17 | 22°19 | S 10 |
| M11 | 1 42 3 | 23°45'57 | 19°54 | 10°32 | 23° 9 | 16°44 | 19°13 | 26° 1 | 12°16 | 5°50 | 7° 6 | 2°R58 | 3°52 | 12°24 | 22°20 | M11 |
| T 12 | 1 46 0 | 24°46'01 | 3♌12 | 10°14 | 23°15 | 17°27 | 19°24 | 26° 7 | 12°19 | 5°52 | 7° 5 | 2°58 | 3°49 | 12°31 | 22°22 | T 12 |
| W13 | 1 49 56 | 25°46'08 | 16°56 | 10°D 6 | 23°22 | 18°11 | 19°36 | 26°14 | 12°22 | 5°54 | 7° 3 | 2°56 | 3°46 | 12°38 | 22°23 | W13 |
| T 14 | 1 53 53 | 26°46'16 | 1♍ 7 | 10°10 | 23°32 | 18°54 | 19°48 | 26°21 | 12°25 | 5°56 | 7° 2 | 2°52 | 3°43 | 12°44 | 22°24 | T 14 |
| F 15 | 1 57 50 | 27°46'26 | 15°45 | 10°25 | 23°45 | 19°38 | 19°59 | 26°28 | 12°28 | 5°58 | 7° 1 | 2°45 | 3°40 | 12°51 | 22°26 | F 15 |
| S 16 | 2 1 46 | 28°46'39 | 0♎45 | 10°50 | 23°59 | 20°21 | 20°11 | 26°34 | 12°31 | 6° 0 | 7° 0 | 2°37 | 3°36 | 12°58 | 22°27 | S 16 |
| S 17 | 2 5 43 | 29°46'53 | 15°58 | 11°24 | 24°15 | 21° 5 | 20°22 | 26°41 | 12°34 | 6° 3 | 6°59 | 2°27 | 3°33 | 13° 4 | 22°29 | S 17 |
| M18 | 2 9 39 | 0♏47'10 | 1♏15 | 12° 7 | 24°34 | 21°48 | 20°34 | 26°47 | 12°37 | 6° 5 | 6°58 | 2°17 | 3°30 | 13°11 | 22°31 | M18 |
| T 19 | 2 13 36 | 1°47'28 | 16°24 | 12°57 | 24°54 | 22°32 | 20°45 | 26°54 | 12°40 | 6° 7 | 6°57 | 2° 9 | 3°27 | 13°18 | 22°32 | T 19 |
| W20 | 2 17 32 | 2°47'48 | 1♐15 | 13°54 | 25°16 | 23°16 | 20°56 | 27° 0 | 12°42 | 6° 9 | 6°56 | 2° 3 | 3°24 | 13°25 | 22°34 | W20 |
| T 21 | 2 21 29 | 3°48'09 | 15°41 | 14°57 | 25°40 | 24° 0 | 21° 7 | 27° 7 | 12°45 | 6°11 | 6°54 | 1°59 | 3°21 | 13°31 | 22°36 | T 21 |
| F 22 | 2 25 25 | 4°48'33 | 29°38 | 16° 5 | 26° 6 | 24°44 | 21°18 | 27°13 | 12°48 | 6°13 | 6°53 | 1°D58 | 3°17 | 13°38 | 22°38 | F 22 |
| S 23 | 2 29 22 | 5°48'57 | 13♑ 7 | 17°18 | 26°34 | 25°28 | 21°29 | 27°20 | 12°51 | 6°15 | 6°52 | 1°59 | 3°14 | 13°45 | 22°40 | S 23 |
| S 24 | 2 33 19 | 6°49'23 | 26° 8 | 18°34 | 27° 3 | 26°12 | 21°40 | 27°26 | 12°53 | 6°17 | 6°51 | 2° 0 | 3°11 | 13°51 | 22°42 | S 24 |
| M25 | 2 37 15 | 7°49'51 | 8♒47 | 19°53 | 27°34 | 26°56 | 21°51 | 27°32 | 12°56 | 6°19 | 6°50 | 2°R 0 | 3° 8 | 13°58 | 22°44 | M25 |
| T 26 | 2 41 12 | 8°50'19 | 21° 8 | 21°16 | 28° 6 | 27°40 | 22° 2 | 27°38 | 12°58 | 6°21 | 6°49 | 1°59 | 3° 5 | 14° 5 | 22°47 | T 26 |
| W27 | 2 45 8 | 9°50'49 | 3♓15 | 22°40 | 28°40 | 28°24 | 22°12 | 27°44 | 13° 1 | 6°23 | 6°48 | 1°56 | 3° 2 | 14°12 | 22°49 | W27 |
| T 28 | 2 49 5 | 10°51'21 | 15°13 | 24° 6 | 29°15 | 29° 8 | 22°23 | 27°51 | 13° 3 | 6°25 | 6°47 | 1°51 | 2°58 | 14°18 | 22°51 | T 28 |
| F 29 | 2 53 1 | 11°51'53 | 27° 7 | 25°34 | 29°51 | 29°53 | 22°34 | 27°57 | 13° 6 | 6°27 | 6°45 | 1°43 | 2°55 | 14°25 | 22°54 | F 29 |
| S 30 | 2 56 58 | 12°52'27 | 8♈58 | 27° 3 | 0♎29 | 0♐37 | 22°44 | 28° 2 | 13° 8 | 6°28 | 6°44 | 1°35 | 2°52 | 14°32 | 22°56 | S 30 |
| S 31 | 3 0 54 | 13♏53'03 | 20♈51 | 28♎34 | 1♎ 8 | 1♐21 | 22♍54 | 28♍ 8 | 13♍10 | 6♎30 | 6♉43 | 1♋25 | 2♋49 | 14♈39 | 22♐59 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s28 | 9s 4 | 4s48 | 10s12 | 2s12 | 3s23 | 6s 5 | 15s 1 | 0s17 | 6n 6 | 1n 6 | 3n59 | 2n 7 | 7n52 | 0n44 | 0s43 | 1n36 | 0s42 | 15s32 | 23n29 | 23n29 | 0s13 | 15s17 | 6n31 |
| S 2 | 5 51 | 4 29 | 4 59 | 9 30 | 1 55 | 3 3 | 5 52 | 15 15 | 0 17 | 6 1 | 1 6 | 3 57 | 2 7 | 7 51 | 0 44 | 0 44 | 1 36 | 0 43 | 15 32 | 23 29 | 23 29 | 0 10 | 15 17 | 6 31 |
| S 3 | 6 14 | 0n15 | 4 57 | 8 45 | 1 36 | 2 44 | 5 38 | 15 29 | 0 18 | 5 56 | 1 6 | 3 54 | 2 7 | 7 50 | 0 44 | 0 45 | 1 36 | 0 43 | 15 32 | 23 30 | 23 29 | 0 7 | 15 17 | 6 30 |
| M 4 | 6 37 | 4 59 | 4 41 | 7 58 | 1 17 | 2 25 | 5 24 | 15 43 | 0 19 | 5 51 | 1 6 | 3 51 | 2 7 | 7 49 | 0 44 | 0 46 | 1 36 | 0 43 | 15 32 | 23 30 | 23 29 | 0 5 | 15 18 | 6 30 |
| T 5 | 7 0 | 9 33 | 4 14 | 7 10 | 0 57 | 2 8 | 5 10 | 15 57 | 0 19 | 5 47 | 1 7 | 3 49 | 2 7 | 7 48 | 0 44 | 0 46 | 1 36 | 0 44 | 15 32 | 23 31 | 23 29 | 0 2 | 15 18 | 6 29 |
| W 6 | 7 23 | 13 48 | 3 35 | 6 23 | 0 36 | 1 51 | 4 56 | 16 11 | 0 20 | 5 42 | 1 7 | 3 46 | 2 7 | 7 46 | 0 44 | 0 47 | 1 36 | 0 44 | 15 32 | 23 31 | 23 29 | 0n 1 | 15 18 | 6 29 |
| T 7 | 7 46 | 17 31 | 2 46 | 5 38 | 0 15 | 1 35 | 4 41 | 16 24 | 0 21 | 5 38 | 1 7 | 3 43 | 2 7 | 7 45 | 0 44 | 0 48 | 1 36 | 0 45 | 15 32 | 23 31 | 23 29 | 0 3 | 15 19 | 6 28 |
| F 8 | 8 9 | 20 33 | 1 49 | 4 55 | 0n 5 | 1 21 | 4 27 | 16 38 | 0 21 | 5 33 | 1 7 | 3 41 | 2 7 | 7 44 | 0 44 | 0 49 | 1 36 | 0 45 | 15 32 | 23 31 | 23 29 | 0 6 | 15 19 | 6 28 |
| S 9 | 8 31 | 22 41 | 0 45 | 4 18 | 0 24 | 1 7 | 4 13 | 16 51 | 0 22 | 5 28 | 1 7 | 3 38 | 2 7 | 7 43 | 0 44 | 0 50 | 1 36 | 0 45 | 15 32 | 23 31 | 23 30 | 0 9 | 15 19 | 6 28 |
| S 10 | 8 54 | 23 43 | 0n21 | 3 45 | 0 42 | 0 54 | 3 59 | 17 4 | 0 22 | 5 24 | 1 7 | 3 35 | 2 8 | 7 42 | 0 44 | 0 51 | 1 36 | 0 46 | 15 32 | 23 31 | 23 30 | 0 12 | 15 20 | 6 27 |
| M11 | 9 16 | 23 32 | 1 29 | 3 17 | 0 59 | 0 43 | 3 45 | 17 17 | 0 23 | 5 19 | 1 7 | 3 33 | 2 8 | 7 40 | 0 44 | 0 51 | 1 36 | 0 46 | 15 33 | 23 31 | 23 30 | 0 14 | 15 20 | 6 27 |
| T 12 | 9 38 | 22 1 | 2 33 | 2 56 | 1 14 | 0 32 | 3 31 | 17 30 | 0 24 | 5 15 | 1 7 | 3 30 | 2 8 | 7 39 | 0 45 | 0 52 | 1 36 | 0 47 | 15 33 | 23 31 | 23 30 | 0 17 | 15 20 | 6 26 |
| W13 | 10 0 | 19 11 | 3 31 | 2 41 | 1 27 | 0 23 | 3 18 | 17 43 | 0 24 | 5 10 | 1 8 | 3 28 | 2 8 | 7 38 | 0 45 | 0 53 | 1 36 | 0 47 | 15 33 | 23 31 | 23 30 | 0 20 | 15 20 | 6 26 |
| T 14 | 10 22 | 15 9 | 4 18 | 2 32 | 1 39 | 0 15 | 3 4 | 17 55 | 0 25 | 5 6 | 1 8 | 3 25 | 2 8 | 7 37 | 0 45 | 0 54 | 1 36 | 0 47 | 15 33 | 23 31 | 23 30 | 0 23 | 15 21 | 6 25 |
| F 15 | 10 44 | 10 6 | 4 50 | 2 29 | 1 48 | 0 7 | 2 51 | 18 8 | 0 25 | 5 1 | 1 8 | 3 22 | 2 8 | 7 36 | 0 45 | 0 55 | 1 36 | 0 48 | 15 33 | 23 31 | 23 30 | 0 25 | 15 21 | 6 25 |
| S 16 | 11 5 | 4 20 | 5 3 | 2 31 | 1 56 | 0 1 | 2 38 | 18 20 | 0 26 | 4 57 | 1 8 | 3 20 | 2 8 | 7 35 | 0 45 | 0 56 | 1 36 | 0 48 | 15 33 | 23 32 | 23 30 | 0 28 | 15 21 | 6 24 |
| S 17 | 11 27 | 1s47 | 4 55 | 2 39 | 2 3 | 0n 4 | 2 26 | 18 32 | 0 27 | 4 53 | 1 8 | 3 17 | 2 9 | 7 34 | 0 45 | 0 56 | 1 36 | 0 48 | 15 33 | 23 32 | 23 30 | 0 31 | 15 21 | 6 24 |
| M18 | 11 48 | 7 49 | 4 26 | 2 51 | 2 8 | 0 8 | 2 13 | 18 44 | 0 27 | 4 48 | 1 8 | 3 15 | 2 9 | 7 33 | 0 45 | 0 57 | 1 36 | 0 49 | 15 33 | 23 32 | 23 30 | 0 34 | 15 21 | 6 23 |
| T 19 | 12 9 | 13 20 | 3 38 | 3 7 | 2 11 | 0 11 | 2 1 | 18 56 | 0 28 | 4 44 | 1 8 | 3 12 | 2 9 | 7 32 | 0 45 | 0 58 | 1 36 | 0 49 | 15 33 | 23 32 | 23 30 | 0 36 | 15 22 | 6 23 |
| W20 | 12 30 | 17 57 | 2 36 | 3 28 | 2 14 | 0 13 | 1 49 | 19 8 | 0 28 | 4 40 | 1 9 | 3 10 | 2 9 | 7 31 | 0 45 | 0 59 | 1 36 | 0 49 | 15 33 | 23 32 | 23 31 | 0 39 | 15 22 | 6 23 |
| T 21 | 12 51 | 21 21 | 1 26 | 3 51 | 2 15 | 0 15 | 1 37 | 19 20 | 0 29 | 4 35 | 1 9 | 3 8 | 2 9 | 7 30 | 0 45 | 1 0 | 1 36 | 0 50 | 15 33 | 23 32 | 23 31 | 0 42 | 15 22 | 6 22 |
| F 22 | 13 11 | 23 21 | 0 12 | 4 17 | 2 15 | 0 15 | 1 26 | 19 31 | 0 30 | 4 31 | 1 9 | 3 5 | 2 9 | 7 29 | 0 45 | 1 0 | 1 36 | 0 50 | 15 33 | 23 32 | 23 31 | 0 44 | 15 22 | 6 22 |
| S 23 | 13 31 | 23 53 | 0s59 | 4 46 | 2 14 | 0 14 | 1 14 | 19 42 | 0 30 | 4 27 | 1 9 | 3 3 | 2 9 | 7 28 | 0 45 | 1 1 | 1 36 | 0 51 | 15 33 | 23 32 | 23 31 | 0 47 | 15 22 | 6 21 |
| S 24 | 13 51 | 23 5 | 2 6 | 5 16 | 2 12 | 0 12 | 1 4 | 19 53 | 0 31 | 4 23 | 1 9 | 3 0 | 2 10 | 7 27 | 0 45 | 1 2 | 1 36 | 0 51 | 15 33 | 23 32 | 23 31 | 0 50 | 15 22 | 6 21 |
| M25 | 14 11 | 21 6 | 3 4 | 5 49 | 2 10 | 0 10 | 0 53 | 20 4 | 0 31 | 4 19 | 1 9 | 2 58 | 2 10 | 7 26 | 0 45 | 1 3 | 1 36 | 0 51 | 15 33 | 23 32 | 23 31 | 0 53 | 15 22 | 6 20 |
| T 26 | 14 31 | 18 11 | 3 52 | 6 22 | 2 7 | 0 7 | 0 43 | 20 15 | 0 32 | 4 14 | 1 10 | 2 56 | 2 10 | 7 25 | 0 45 | 1 3 | 1 36 | 0 51 | 15 33 | 23 32 | 23 31 | 0 55 | 15 22 | 6 20 |
| W27 | 14 50 | 14 32 | 4 29 | 6 57 | 2 3 | 0 2 | 0 33 | 20 25 | 0 32 | 4 10 | 1 10 | 2 53 | 2 10 | 7 24 | 0 45 | 1 4 | 1 36 | 0 52 | 15 33 | 23 32 | 23 31 | 0 58 | 15 22 | 6 19 |
| T 28 | 15 9 | 10 21 | 4 54 | 7 33 | 1 59 | 0s 3 | 0 23 | 20 36 | 0 33 | 4 6 | 1 10 | 2 51 | 2 10 | 7 23 | 0 45 | 1 5 | 1 36 | 0 52 | 15 33 | 23 32 | 23 31 | 1 1 | 15 22 | 6 19 |
| F 29 | 15 28 | 5 49 | 5 5 | 8 10 | 1 54 | 0 9 | 0 13 | 20 46 | 0 33 | 4 2 | 1 10 | 2 49 | 2 11 | 7 22 | 0 45 | 1 6 | 1 37 | 0 52 | 15 33 | 23 32 | 23 31 | 1 4 | 15 22 | 6 19 |
| S 30 | 15 47 | 1 5 | 5 4 | 8 47 | 1 49 | 0 15 | 0 4 | 20 56 | 0 34 | 3 58 | 1 10 | 2 47 | 2 11 | 7 21 | 0 45 | 1 6 | 1 37 | 0 53 | 15 32 | 23 33 | 23 31 | 1 6 | 15 22 | 6 18 |
| S 31 | 16s 5 | 3n43 | 4s49 | 9s24 | 1n44 | 0s23 | 0n 5 | 21s 6 | 0s35 | 3n54 | 1n10 | 2n45 | 2n11 | 7n20 | 0n45 | 1s 7 | 1n37 | 0s53 | 15s32 | 23n33 | 23n31 | 1n 9 | 15s22 | 6n18 |

Julian Day Number = 2132602.5, Delta T = 16m21s
Ecliptic obliquity = 23°33'09, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°33'57, Lahiri = 11°40'57 Julian Calendar 1 Oct. 1126 == Greg. Calendar 8 Oct. 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## NOVEMBER 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 4 51 | 14♏53'40 | 2♉47 | 0♏ 5 | 1♎49 | 2♐ 6 | 23♍ 4 | 28♍14 | 13♍12 | 6♎32 | 6°R42 | 1°R15 | 2♋46 | 14♈45 | 23♑ 1 | M 1 |
| T 2 | 3 8 48 | 15°54'18 | 14°47 | 1°37 | 2°30 | 2°50 | 23°15 | 28°20 | 13°15 | 6°34 | 6♉41 | 1♋ 7 | 2°42 | 14°52 | 23° 4 | T 2 |
| W 3 | 3 12 44 | 16°54'58 | 26°54 | 3° 9 | 3°13 | 3°35 | 23°25 | 28°26 | 13°17 | 6°36 | 6°40 | 1° 0 | 2°39 | 14°59 | 23° 7 | W 3 |
| T 4 | 3 16 41 | 17°55'39 | 9♊ 8 | 4°42 | 3°57 | 4°19 | 23°35 | 28°31 | 13°19 | 6°38 | 6°39 | 0°56 | 2°36 | 15° 5 | 23° 9 | T 4 |
| F 5 | 3 20 37 | 18°56'22 | 21°30 | 6°15 | 4°41 | 5° 4 | 23°44 | 28°37 | 13°21 | 6°39 | 6°38 | 0°53 | 2°33 | 15°12 | 23°12 | F 5 |
| S 6 | 3 24 34 | 19°57'06 | 4♋ 3 | 7°49 | 5°27 | 5°49 | 23°54 | 28°43 | 13°23 | 6°41 | 6°37 | 0°D53 | 2°30 | 15°19 | 23°15 | S 6 |
| S 7 | 3 28 30 | 20°57'52 | 16°48 | 9°22 | 6°14 | 6°34 | 24° 4 | 28°48 | 13°25 | 6°43 | 6°35 | 0°54 | 2°27 | 15°26 | 23°18 | S 7 |
| M 8 | 3 32 27 | 21°58'40 | 29°49 | 10°56 | 7° 2 | 7°19 | 24°13 | 28°53 | 13°27 | 6°45 | 6°34 | 0°55 | 2°23 | 15°32 | 23°21 | M 8 |
| T 9 | 3 36 23 | 22°59'29 | 13♌ 7 | 12°30 | 7°51 | 8° 3 | 24°23 | 28°59 | 13°29 | 6°46 | 6°33 | 0°57 | 2°20 | 15°39 | 23°24 | T 9 |
| W10 | 3 40 20 | 24° 0'19 | 26°45 | 14° 4 | 8°40 | 8°48 | 24°32 | 29° 4 | 13°31 | 6°48 | 6°32 | 0°R57 | 2°17 | 15°46 | 23°27 | W10 |
| T 11 | 3 44 17 | 25° 1'11 | 10♍44 | 15°38 | 9°31 | 9°33 | 24°41 | 29° 9 | 13°33 | 6°50 | 6°31 | 0°56 | 2°14 | 15°52 | 23°31 | T 11 |
| F 12 | 3 48 13 | 26° 2'04 | 25° 4 | 17°12 | 10°22 | 10°19 | 24°51 | 29°14 | 13°34 | 6°51 | 6°30 | 0°53 | 2°11 | 15°59 | 23°34 | F 12 |
| S 13 | 3 52 10 | 27° 2'59 | 9♎42 | 18°46 | 11°14 | 11° 4 | 25° 0 | 29°19 | 13°36 | 6°53 | 6°29 | 0°49 | 2° 7 | 16° 6 | 23°37 | S 13 |
| S 14 | 3 56 6 | 28° 3'55 | 24°34 | 20°20 | 12° 6 | 11°49 | 25° 9 | 29°24 | 13°38 | 6°54 | 6°28 | 0°44 | 2° 4 | 16°13 | 23°40 | S 14 |
| M15 | 4 0 3 | 29° 4'53 | 9♏31 | 21°54 | 13° 0 | 12°34 | 25°17 | 29°29 | 13°39 | 6°56 | 6°27 | 0°39 | 2° 1 | 16°19 | 23°44 | M15 |
| T 16 | 4 3 59 | 0♐ 5'52 | 24°26 | 23°28 | 13°54 | 13°19 | 25°26 | 29°34 | 13°41 | 6°58 | 6°26 | 0°35 | 1°58 | 16°26 | 23°47 | T 16 |
| W17 | 4 7 56 | 1° 6'51 | 9♐ 8 | 25° 2 | 14°49 | 14° 5 | 25°34 | 29°39 | 13°42 | 6°59 | 6°25 | 0°32 | 1°55 | 16°33 | 23°51 | W17 |
| T 18 | 4 11 52 | 2° 7'52 | 23°32 | 26°36 | 15°44 | 14°50 | 25°43 | 29°43 | 13°44 | 7° 1 | 6°24 | 0°31 | 1°52 | 16°40 | 23°54 | T 18 |
| F 19 | 4 15 49 | 3° 8'54 | 7♑33 | 28°10 | 16°40 | 15°36 | 25°51 | 29°48 | 13°45 | 7° 2 | 6°23 | 0°D31 | 1°48 | 16°46 | 23°58 | F 19 |
| S 20 | 4 19 46 | 4° 9'56 | 21° 7 | 29°44 | 17°37 | 16°21 | 25°59 | 29°53 | 13°46 | 7° 3 | 6°22 | 0°32 | 1°45 | 16°53 | 24° 2 | S 20 |
| S 21 | 4 23 42 | 5°10'59 | 4♒16 | 1♐18 | 18°34 | 17° 7 | 26° 7 | 29°57 | 13°48 | 7° 5 | 6°21 | 0°33 | 1°42 | 17° 0 | 24° 5 | S 21 |
| M22 | 4 27 39 | 6°12'03 | 17° 1 | 2°52 | 19°31 | 17°52 | 26°15 | 0♎ 1 | 13°49 | 7° 6 | 6°20 | 0°35 | 1°39 | 17° 6 | 24° 9 | M22 |
| T 23 | 4 31 35 | 7°13'07 | 29°26 | 4°26 | 20°30 | 18°38 | 26°23 | 0° 6 | 13°50 | 7° 7 | 6°19 | 0°36 | 1°36 | 17°13 | 24°13 | T 23 |
| W24 | 4 35 32 | 8°14'11 | 11♓36 | 6° 1 | 21°28 | 19°23 | 26°31 | 0°10 | 13°51 | 7° 9 | 6°18 | 0°R36 | 1°33 | 17°20 | 24°17 | W24 |
| T 25 | 4 39 28 | 9°15'16 | 23°35 | 7°35 | 22°28 | 20° 9 | 26°38 | 0°14 | 13°52 | 7°10 | 6°17 | 0°35 | 1°29 | 17°27 | 24°20 | T 25 |
| F 26 | 4 43 25 | 10°16'22 | 5♈29 | 9° 9 | 23°27 | 20°55 | 26°46 | 0°18 | 13°53 | 7°11 | 6°16 | 0°34 | 1°26 | 17°33 | 24°24 | F 26 |
| S 27 | 4 47 21 | 11°17'28 | 17°20 | 10°44 | 24°27 | 21°41 | 26°53 | 0°22 | 13°54 | 7°13 | 6°15 | 0°31 | 1°23 | 17°40 | 24°28 | S 27 |
| S 28 | 4 51 18 | 12°18'34 | 29°14 | 12°19 | 25°28 | 22°27 | 27° 0 | 0°26 | 13°55 | 7°14 | 6°14 | 0°28 | 1°20 | 17°47 | 24°32 | S 28 |
| M29 | 4 55 15 | 13°19'40 | 11♉13 | 13°53 | 26°29 | 23°12 | 27° 7 | 0°29 | 13°56 | 7°15 | 6°14 | 0°25 | 1°17 | 17°53 | 24°36 | M29 |
| T 30 | 4 59 11 | 14♐20'48 | 23♉20 | 15♐28 | 27♎30 | 23♐58 | 27♍14 | 0♎33 | 13♍56 | 7♎16 | 6♉13 | 0♋22 | 1♋13 | 18♈ 0 | 24♑41 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s23 | 8n24 | 4s22 | 10s 2 | 1n38 | 0s31 | 0n14 | 21s15 | 0s35 | 3n50 | 1n11 | 2n42 | 2n11 | 7n19 | 0n45 | 1s 8 | 1n37 | 0s53 | 15s32 | 23n33 | 23n31 | 1n12 | 15s22 | 6n17 |
| T 2 | 16 41 | 12 48 | 3 43 | 10 39 | 1 32 | 0 40 | 0 22 | 21 24 | 0 36 | 3 47 | 1 11 | 2 40 | 2 11 | 7 19 | 0 45 | 1 8 | 1 37 | 0 54 | 15 32 | 23 33 | 23 31 | 1 15 | 15 22 | 6 17 |
| W 3 | 16 58 | 16 45 | 2 53 | 11 17 | 1 26 | 0 49 | 0 30 | 21 34 | 0 36 | 3 43 | 1 11 | 2 38 | 2 11 | 7 18 | 0 45 | 1 9 | 1 37 | 0 54 | 15 32 | 23 33 | 23 32 | 1 18 | 15 22 | 6 17 |
| T 4 | 17 15 | 20 2 | 1 55 | 11 54 | 1 19 | 0 59 | 0 38 | 21 43 | 0 37 | 3 39 | 1 11 | 2 36 | 2 12 | 7 17 | 0 45 | 1 10 | 1 37 | 0 54 | 15 32 | 23 33 | 23 32 | 1 20 | 15 22 | 6 16 |
| F 5 | 17 32 | 22 26 | 0 51 | 12 31 | 1 13 | 1 10 | 0 46 | 21 51 | 0 37 | 3 35 | 1 11 | 2 34 | 2 12 | 7 16 | 0 45 | 1 10 | 1 37 | 0 54 | 15 32 | 23 33 | 23 32 | 1 23 | 15 22 | 6 16 |
| S 6 | 17 49 | 23 47 | 0n17 | 13 8 | 1 6 | 1 22 | 0 53 | 22 0 | 0 38 | 3 31 | 1 11 | 2 32 | 2 12 | 7 15 | 0 45 | 1 11 | 1 37 | 0 55 | 15 32 | 23 33 | 23 32 | 1 26 | 15 22 | 6 15 |
| S 7 | 18 5 | 23 54 | 1 25 | 13 45 | 0 59 | 1 34 | 1 0 | 22 8 | 0 38 | 3 28 | 1 12 | 2 30 | 2 12 | 7 15 | 0 45 | 1 12 | 1 37 | 0 55 | 15 32 | 23 33 | 23 32 | 1 29 | 15 22 | 6 15 |
| M 8 | 18 21 | 22 44 | 2 31 | 14 21 | 0 53 | 1 46 | 1 7 | 22 16 | 0 39 | 3 24 | 1 12 | 2 28 | 2 12 | 7 14 | 0 45 | 1 12 | 1 37 | 0 55 | 15 32 | 23 33 | 23 32 | 1 31 | 15 22 | 6 15 |
| T 9 | 18 36 | 20 18 | 3 29 | 14 56 | 0 46 | 2 0 | 1 14 | 22 24 | 0 39 | 3 21 | 1 12 | 2 26 | 2 13 | 7 13 | 0 45 | 1 13 | 1 37 | 0 55 | 15 32 | 23 33 | 23 32 | 1 34 | 15 22 | 6 14 |
| W10 | 18 52 | 16 41 | 4 18 | 15 31 | 0 39 | 2 13 | 1 20 | 22 32 | 0 40 | 3 17 | 1 12 | 2 24 | 2 13 | 7 13 | 0 45 | 1 14 | 1 37 | 0 55 | 15 31 | 23 33 | 23 32 | 1 37 | 15 22 | 6 14 |
| T 11 | 19 7 | 12 5 | 4 53 | 16 5 | 0 32 | 2 28 | 1 27 | 22 39 | 0 40 | 3 14 | 1 12 | 2 22 | 2 13 | 7 12 | 0 46 | 1 14 | 1 37 | 0 56 | 15 31 | 23 33 | 23 32 | 1 40 | 15 22 | 6 13 |
| F 12 | 19 21 | 6 42 | 5 10 | 16 39 | 0 25 | 2 42 | 1 32 | 22 46 | 0 41 | 3 10 | 1 13 | 2 20 | 2 13 | 7 11 | 0 46 | 1 15 | 1 37 | 0 56 | 15 31 | 23 33 | 23 32 | 1 42 | 15 21 | 6 13 |
| S 13 | 19 35 | 0 51 | 5 8 | 17 12 | 0 18 | 2 57 | 1 38 | 22 53 | 0 41 | 3 7 | 1 13 | 2 19 | 2 14 | 7 11 | 0 46 | 1 15 | 1 37 | 0 56 | 15 31 | 23 33 | 23 32 | 1 45 | 15 21 | 6 13 |
| S 14 | 19 49 | 5s 8 | 4 45 | 17 44 | 0 11 | 3 13 | 1 44 | 23 0 | 0 42 | 3 3 | 1 13 | 2 17 | 2 14 | 7 10 | 0 46 | 1 16 | 1 37 | 0 56 | 15 31 | 23 33 | 23 32 | 1 48 | 15 21 | 6 12 |
| M15 | 20 3 | 10 53 | 4 3 | 18 15 | 0 4 | 3 29 | 1 49 | 23 7 | 0 42 | 3 0 | 1 13 | 2 15 | 2 14 | 7 10 | 0 46 | 1 17 | 1 37 | 0 56 | 15 31 | 23 33 | 23 32 | 1 51 | 15 21 | 6 12 |
| T 16 | 20 16 | 15 59 | 3 5 | 18 46 | 0s 2 | 3 46 | 1 54 | 23 13 | 0 43 | 2 57 | 1 13 | 2 13 | 2 14 | 7 9 | 0 46 | 1 17 | 1 37 | 0 57 | 15 31 | 23 33 | 23 32 | 1 53 | 15 21 | 6 12 |
| W17 | 20 29 | 20 2 | 1 54 | 19 16 | 0 9 | 4 2 | 1 59 | 23 19 | 0 43 | 2 54 | 1 14 | 2 12 | 2 14 | 7 9 | 0 46 | 1 18 | 1 37 | 0 57 | 15 30 | 23 33 | 23 32 | 1 56 | 15 20 | 6 11 |
| T 18 | 20 41 | 22 46 | 0 38 | 19 45 | 0 16 | 4 20 | 2 3 | 23 25 | 0 44 | 2 50 | 1 14 | 2 10 | 2 15 | 7 8 | 0 46 | 1 18 | 1 37 | 0 57 | 15 30 | 23 33 | 23 32 | 1 59 | 15 20 | 6 11 |
| F 19 | 20 53 | 23 59 | 0s39 | 20 13 | 0 22 | 4 37 | 2 8 | 23 30 | 0 44 | 2 47 | 1 14 | 2 8 | 2 15 | 7 8 | 0 46 | 1 19 | 1 37 | 0 57 | 15 30 | 23 33 | 23 32 | 2 2 | 15 20 | 6 11 |
| S 20 | 21 5 | 23 43 | 1 51 | 20 40 | 0 29 | 4 55 | 2 12 | 23 35 | 0 45 | 2 44 | 1 14 | 2 7 | 2 15 | 7 7 | 0 46 | 1 19 | 1 38 | 0 57 | 15 30 | 23 33 | 23 32 | 2 5 | 15 19 | 6 10 |
| S 21 | 21 16 | 22 7 | 2 55 | 21 6 | 0 35 | 5 13 | 2 16 | 23 41 | 0 45 | 2 41 | 1 15 | 2 5 | 2 15 | 7 7 | 0 46 | 1 20 | 1 38 | 0 57 | 15 30 | 23 33 | 23 32 | 2 7 | 15 19 | 6 10 |
| M22 | 21 27 | 19 26 | 3 48 | 21 31 | 0 42 | 5 31 | 2 19 | 23 45 | 0 46 | 2 38 | 1 15 | 2 4 | 2 16 | 7 6 | 0 46 | 1 20 | 1 38 | 0 58 | 15 30 | 23 33 | 23 33 | 2 10 | 15 19 | 6 10 |
| T 23 | 21 37 | 15 55 | 4 30 | 21 55 | 0 48 | 5 50 | 2 23 | 23 50 | 0 46 | 2 35 | 1 15 | 2 2 | 2 16 | 7 6 | 0 46 | 1 21 | 1 38 | 0 58 | 15 29 | 23 33 | 23 33 | 2 13 | 15 18 | 6 9 |
| W24 | 21 47 | 11 50 | 4 58 | 22 18 | 0 54 | 6 9 | 2 26 | 23 54 | 0 47 | 2 33 | 1 15 | 2 1 | 2 16 | 7 5 | 0 46 | 1 21 | 1 38 | 0 58 | 15 29 | 23 33 | 23 33 | 2 16 | 15 18 | 6 9 |
| T 25 | 21 57 | 7 20 | 5 12 | 22 39 | 1 0 | 6 28 | 2 29 | 23 58 | 0 47 | 2 30 | 1 16 | 1 59 | 2 16 | 7 5 | 0 46 | 1 22 | 1 38 | 0 58 | 15 29 | 23 33 | 23 33 | 2 18 | 15 18 | 6 9 |
| F 26 | 22 6 | 2 37 | 5 14 | 23 0 | 1 5 | 6 48 | 2 32 | 24 2 | 0 48 | 2 27 | 1 16 | 1 58 | 2 17 | 7 5 | 0 46 | 1 22 | 1 38 | 0 58 | 15 29 | 23 33 | 23 33 | 2 21 | 15 17 | 6 9 |
| S 27 | 22 14 | 2n12 | 5 1 | 23 20 | 1 11 | 7 7 | 2 35 | 24 5 | 0 48 | 2 24 | 1 16 | 1 57 | 2 17 | 7 4 | 0 46 | 1 23 | 1 38 | 0 58 | 15 29 | 23 33 | 23 33 | 2 24 | 15 17 | 6 8 |
| S 28 | 22 23 | 6 57 | 4 36 | 23 38 | 1 16 | 7 27 | 2 38 | 24 8 | 0 48 | 2 22 | 1 16 | 1 55 | 2 17 | 7 4 | 0 46 | 1 23 | 1 38 | 0 58 | 15 28 | 23 33 | 23 33 | 2 27 | 15 17 | 6 8 |
| M29 | 22 30 | 11 29 | 3 59 | 23 55 | 1 21 | 7 47 | 2 40 | 24 11 | 0 49 | 2 19 | 1 16 | 1 54 | 2 17 | 7 4 | 0 46 | 1 23 | 1 38 | 0 58 | 15 28 | 23 33 | 23 33 | 2 30 | 15 16 | 6 8 |
| T 30 | 22s38 | 15n38 | 3s10 | 24s11 | 1s26 | 8s 7 | 2n42 | 24s14 | 0s49 | 2n17 | 1n17 | 1n53 | 2n18 | 7n 3 | 0n46 | 1s24 | 1n38 | 0s58 | 15s28 | 23n33 | 23n33 | 2n32 | 15s16 | 6n 7 |

Julian Day Number = 2132633.5, Delta T = 16m21s
Ecliptic obliquity = 23°33'09, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'01, Lahiri = 11°41'02 Julian Calendar 1 Nov. 1126 == Greg. Calendar 8 Nov. 1126


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# ASTRODIENST EPHEMERIS for the year 1126
# geocentric

## DECEMBER 1126 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 3 8 | 15♐21'55 | 5♊38 | 17♐ 3 | 28♎32 | 24♐44 | 27♍20 | 0♎37 | 13♍57 | 7♎17 | 6°R12 | 0°R20 | 1♋10 | 18♈ 7 | 24♉45 | W 1 |
| T 2 | 5 7 4 | 16°23'03 | 18° 6 | 18°39 | 29°34 | 25°30 | 27°27 | 0°40 | 13°58 | 7°18 | 6♉11 | 0♋19 | 1° 7 | 18°14 | 24°49 | T 2 |
| F 3 | 5 11 1 | 17°24'12 | 0♋47 | 20°14 | 0♏37 | 26°16 | 27°33 | 0°43 | 13°58 | 7°19 | 6°10 | 0°D19 | 1° 4 | 18°20 | 24°53 | F 3 |
| S 4 | 5 14 57 | 18°25'21 | 13°40 | 21°50 | 1°40 | 27° 3 | 27°40 | 0°47 | 13°59 | 7°20 | 6° 9 | 0°19 | 1° 1 | 18°27 | 24°57 | S 4 |
| S 5 | 5 18 54 | 19°26'30 | 26°46 | 23°26 | 2°43 | 27°49 | 27°46 | 0°50 | 14° 0 | 7°21 | 6° 9 | 0°20 | 0°58 | 18°34 | 25° 2 | S 5 |
| M 6 | 5 22 50 | 20°27'40 | 10♌ 5 | 25° 2 | 3°47 | 28°35 | 27°52 | 0°53 | 14° 0 | 7°22 | 6° 8 | 0°21 | 0°54 | 18°40 | 25° 6 | M 6 |
| T 7 | 5 26 47 | 21°28'50 | 23°37 | 26°38 | 4°51 | 29°21 | 27°57 | 0°56 | 14° 0 | 7°23 | 6° 7 | 0°22 | 0°51 | 18°47 | 25°10 | T 7 |
| W 8 | 5 30 44 | 22°30'01 | 7♍22 | 28°15 | 5°55 | 0♑ 7 | 28° 3 | 0°59 | 14° 1 | 7°24 | 6° 6 | 0°22 | 0°48 | 18°54 | 25°15 | W 8 |
| T 9 | 5 34 40 | 23°31'13 | 21°19 | 29°52 | 7° 0 | 0°54 | 28° 8 | 1° 2 | 14° 1 | 7°25 | 6° 6 | 0°R23 | 0°45 | 19° 1 | 25°19 | T 9 |
| F 10 | 5 38 37 | 24°32'24 | 5♎28 | 1♑29 | 8° 5 | 1°40 | 28°14 | 1° 4 | 14° 1 | 7°26 | 6° 5 | 0°23 | 0°42 | 19° 7 | 25°23 | F 10 |
| S 11 | 5 42 33 | 25°33'37 | 19°46 | 3° 6 | 9°10 | 2°26 | 28°19 | 1° 7 | 14° 1 | 7°26 | 6° 4 | 0°22 | 0°39 | 19°14 | 25°28 | S 11 |
| S 12 | 5 46 30 | 26°34'49 | 4♏12 | 4°44 | 10°15 | 3°13 | 28°24 | 1° 9 | 14° 1 | 7°27 | 6° 4 | 0°22 | 0°35 | 19°21 | 25°32 | S 12 |
| M13 | 5 50 26 | 27°36'02 | 18°40 | 6°22 | 11°21 | 3°59 | 28°29 | 1°12 | 14°R 1 | 7°28 | 6° 3 | 0°21 | 0°32 | 19°27 | 25°37 | M13 |
| T 14 | 5 54 23 | 28°37'16 | 3♐ 6 | 7°59 | 12°27 | 4°46 | 28°33 | 1°14 | 14° 1 | 7°29 | 6° 2 | 0°21 | 0°29 | 19°34 | 25°41 | T 14 |
| W15 | 5 58 20 | 29°38'29 | 17°24 | 9°37 | 13°33 | 5°32 | 28°38 | 1°16 | 14° 1 | 7°29 | 6° 2 | 0°21 | 0°26 | 19°41 | 25°46 | W15 |
| T 16 | 6 2 16 | 0♑39'43 | 1♑31 | 11°15 | 14°40 | 6°19 | 28°42 | 1°18 | 14° 1 | 7°30 | 6° 1 | 0°21 | 0°23 | 19°48 | 25°51 | T 16 |
| F 17 | 6 6 13 | 1°40'56 | 15°20 | 12°53 | 15°46 | 7° 6 | 28°46 | 1°20 | 14° 1 | 7°30 | 6° 1 | 0°21 | 0°19 | 19°54 | 25°55 | F 17 |
| S 18 | 6 10 9 | 2°42'09 | 28°50 | 14°31 | 16°53 | 7°52 | 28°50 | 1°22 | 14° 1 | 7°31 | 6° 0 | 0°21 | 0°16 | 20° 1 | 26° 0 | S 18 |
| S 19 | 6 14 6 | 3°43'22 | 11♒58 | 16° 9 | 18° 0 | 8°39 | 28°54 | 1°24 | 14° 0 | 7°31 | 5°59 | 0°21 | 0°13 | 20° 8 | 26° 5 | S 19 |
| M20 | 6 18 2 | 4°44'34 | 24°46 | 17°47 | 19° 8 | 9°26 | 28°57 | 1°26 | 14° 0 | 7°32 | 5°59 | 0°20 | 0°10 | 20°14 | 26° 9 | M20 |
| T 21 | 6 21 59 | 5°45'46 | 7♓16 | 19°24 | 20°15 | 10°12 | 29° 1 | 1°27 | 14° 0 | 7°32 | 5°58 | 0°20 | 0° 7 | 20°21 | 26°14 | T 21 |
| W22 | 6 25 55 | 6°46'58 | 19°29 | 21° 0 | 21°23 | 10°59 | 29° 4 | 1°29 | 13°59 | 7°33 | 5°58 | 0°19 | 0° 4 | 20°28 | 26°19 | W22 |
| T 23 | 6 29 52 | 7°48'08 | 1♈30 | 22°36 | 22°31 | 11°46 | 29° 7 | 1°30 | 13°59 | 7°33 | 5°57 | 0°19 | 0° 0 | 20°35 | 26°23 | T 23 |
| F 24 | 6 33 49 | 8°49'18 | 13°25 | 24°11 | 23°39 | 12°33 | 29°10 | 1°31 | 13°58 | 7°34 | 5°57 | 0°D19 | 29♊57 | 20°41 | 26°28 | F 24 |
| S 25 | 6 37 45 | 9°50'27 | 25°16 | 25°44 | 24°47 | 13°19 | 29°13 | 1°33 | 13°57 | 7°34 | 5°57 | 0°19 | 29°54 | 20°48 | 26°33 | S 25 |
| S 26 | 6 41 42 | 10°51'36 | 7♉10 | 27°16 | 25°55 | 14° 6 | 29°15 | 1°34 | 13°57 | 7°34 | 5°56 | 0°20 | 29°51 | 20°55 | 26°38 | S 26 |
| M27 | 6 45 38 | 11°52'44 | 19°11 | 28°46 | 27° 4 | 14°53 | 29°18 | 1°35 | 13°56 | 7°34 | 5°56 | 0°21 | 29°48 | 21° 1 | 26°43 | M27 |
| T 28 | 6 49 35 | 12°53'51 | 1♊22 | 0♒14 | 28°12 | 15°40 | 29°20 | 1°35 | 13°55 | 7°35 | 5°55 | 0°22 | 29°45 | 21° 8 | 26°47 | T 28 |
| W29 | 6 53 31 | 13°54'58 | 13°48 | 1°38 | 29°21 | 16°27 | 29°22 | 1°36 | 13°54 | 7°35 | 5°55 | 0°23 | 29°41 | 21°15 | 26°52 | W29 |
| T 30 | 6 57 28 | 14°56'04 | 26°29 | 3° 0 | 0♐30 | 17°14 | 29°24 | 1°37 | 13°54 | 7°35 | 5°55 | 0°R24 | 29°38 | 21°22 | 26°57 | T 30 |
| F 31 | 7 1 24 | 15♑57'09 | 9♋28 | 4♒17 | 1♐39 | 18♑ 1 | 29♍25 | 1♎37 | 13♍53 | 7♎35 | 5♉54 | 0♋24 | 29♊35 | 21♈28 | 27♑ 2 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s45 | 19n10 | 2s12 | 24s26 | 1s31 | 8s27 | 2n44 | 24s17 | 0s50 | 2n14 | 1n17 | 1n52 | 2n18 | 7n 3 | 0n46 | 1s24 | 1n38 | 0s58 | 15s28 | 23n33 | 23n33 | 2n35 | 15s15 | 6n 7 |
| T 2 | 22 51 | 21 54 | 1 7 | 24 39 | 1 36 | 8 47 | 2 46 | 24 19 | 0 50 | 2 12 | 1 17 | 1 51 | 2 18 | 7 3 | 0 46 | 1 25 | 1 38 | 0 58 | 15 27 | 23 33 | 23 33 | 2 38 | 15 15 | 6 7 |
| F 3 | 22 57 | 23 36 | 0n 3 | 24 51 | 1 40 | 9 7 | 2 48 | 24 21 | 0 51 | 2 10 | 1 17 | 1 50 | 2 18 | 7 3 | 0 46 | 1 25 | 1 38 | 0 58 | 15 27 | 23 33 | 23 33 | 2 41 | 15 14 | 6 7 |
| S 4 | 23 3 | 24 4 | 1 13 | 25 2 | 1 44 | 9 28 | 2 49 | 24 22 | 0 51 | 2 7 | 1 18 | 1 48 | 2 19 | 7 3 | 0 47 | 1 25 | 1 38 | 0 58 | 15 27 | 23 33 | 23 33 | 2 43 | 15 14 | 6 6 |
| S 5 | 23 8 | 23 13 | 2 21 | 25 11 | 1 48 | 9 48 | 2 51 | 24 23 | 0 51 | 2 5 | 1 18 | 1 47 | 2 19 | 7 3 | 0 47 | 1 26 | 1 38 | 0 58 | 15 27 | 23 33 | 23 33 | 2 46 | 15 13 | 6 6 |
| M 6 | 23 12 | 21 3 | 3 23 | 25 19 | 1 51 | 10 8 | 2 52 | 24 24 | 0 52 | 2 3 | 1 18 | 1 46 | 2 19 | 7 2 | 0 47 | 1 26 | 1 38 | 0 58 | 15 27 | 23 33 | 23 33 | 2 49 | 15 13 | 6 6 |
| T 7 | 23 17 | 17 42 | 4 14 | 25 25 | 1 55 | 10 29 | 2 53 | 24 25 | 0 52 | 2 1 | 1 18 | 1 46 | 2 19 | 7 2 | 0 47 | 1 26 | 1 38 | 0 58 | 15 26 | 23 33 | 23 33 | 2 52 | 15 12 | 6 6 |
| W 8 | 23 20 | 13 21 | 4 52 | 25 30 | 1 58 | 10 49 | 2 54 | 24 26 | 0 53 | 1 59 | 1 19 | 1 45 | 2 20 | 7 2 | 0 47 | 1 27 | 1 39 | 0 58 | 15 26 | 23 33 | 23 33 | 2 55 | 15 12 | 6 5 |
| T 9 | 23 24 | 8 15 | 5 13 | 25 33 | 2 0 | 11 10 | 2 55 | 24 26 | 0 53 | 1 57 | 1 19 | 1 44 | 2 20 | 7 2 | 0 47 | 1 27 | 1 39 | 0 58 | 15 26 | 23 33 | 23 33 | 2 57 | 15 11 | 6 5 |
| F 10 | 23 26 | 2 39 | 5 16 | 25 35 | 2 3 | 11 30 | 2 55 | 24 26 | 0 53 | 1 55 | 1 19 | 1 43 | 2 20 | 7 2 | 0 47 | 1 27 | 1 39 | 0 58 | 15 25 | 23 33 | 23 33 | 3 0 | 15 11 | 6 5 |
| S 11 | 23 29 | 3s 9 | 4 59 | 25 35 | 2 5 | 11 51 | 2 56 | 24 25 | 0 54 | 1 53 | 1 19 | 1 42 | 2 21 | 7 2 | 0 47 | 1 27 | 1 39 | 0 58 | 15 25 | 23 33 | 23 33 | 3 3 | 15 10 | 6 5 |
| S 12 | 23 30 | 8 50 | 4 24 | 25 34 | 2 6 | 12 11 | 2 56 | 24 25 | 0 54 | 1 52 | 1 20 | 1 41 | 2 21 | 7 2 | 0 47 | 1 28 | 1 39 | 0 58 | 15 25 | 23 33 | 23 33 | 3 6 | 15 9 | 6 5 |
| M13 | 23 32 | 14 4 | 3 31 | 25 31 | 2 7 | 12 31 | 2 56 | 24 24 | 0 54 | 1 50 | 1 20 | 1 41 | 2 21 | 7 2 | 0 47 | 1 28 | 1 39 | 0 58 | 15 25 | 23 33 | 23 33 | 3 9 | 15 9 | 6 4 |
| T 14 | 23 33 | 18 30 | 2 26 | 25 26 | 2 8 | 12 51 | 2 56 | 24 23 | 0 55 | 1 48 | 1 20 | 1 40 | 2 21 | 7 2 | 0 47 | 1 28 | 1 39 | 0 58 | 15 24 | 23 33 | 23 33 | 3 11 | 15 8 | 6 4 |
| W15 | 23 33 | 21 46 | 1 11 | 25 20 | 2 8 | 13 11 | 2 56 | 24 21 | 0 55 | 1 47 | 1 21 | 1 39 | 2 22 | 7 2 | 0 47 | 1 28 | 1 39 | 0 58 | 15 24 | 23 33 | 23 33 | 3 14 | 15 8 | 6 4 |
| T 16 | 23 33 | 23 39 | 0s 6 | 25 12 | 2 8 | 13 31 | 2 56 | 24 19 | 0 56 | 1 45 | 1 21 | 1 39 | 2 22 | 7 2 | 0 47 | 1 28 | 1 39 | 0 58 | 15 24 | 23 33 | 23 33 | 3 17 | 15 7 | 6 4 |
| F 17 | 23 32 | 24 2 | 1 22 | 25 3 | 2 8 | 13 51 | 2 55 | 24 17 | 0 56 | 1 44 | 1 21 | 1 38 | 2 22 | 7 2 | 0 47 | 1 29 | 1 39 | 0 58 | 15 24 | 23 33 | 23 33 | 3 20 | 15 6 | 6 4 |
| S 18 | 23 31 | 22 58 | 2 32 | 24 51 | 2 7 | 14 10 | 2 55 | 24 15 | 0 56 | 1 43 | 1 21 | 1 38 | 2 23 | 7 3 | 0 47 | 1 29 | 1 39 | 0 58 | 15 23 | 23 33 | 23 33 | 3 23 | 15 6 | 6 4 |
| S 19 | 23 30 | 20 39 | 3 31 | 24 38 | 2 5 | 14 29 | 2 54 | 24 13 | 0 57 | 1 41 | 1 22 | 1 37 | 2 23 | 7 3 | 0 47 | 1 29 | 1 39 | 0 58 | 15 23 | 23 33 | 23 33 | 3 25 | 15 5 | 6 3 |
| M20 | 23 28 | 17 22 | 4 18 | 24 23 | 2 3 | 14 49 | 2 53 | 24 10 | 0 57 | 1 40 | 1 22 | 1 37 | 2 23 | 7 3 | 0 47 | 1 29 | 1 39 | 0 58 | 15 23 | 23 33 | 23 33 | 3 28 | 15 4 | 6 3 |
| T 21 | 23 26 | 13 24 | 4 52 | 24 7 | 2 0 | 15 7 | 2 52 | 24 6 | 0 57 | 1 39 | 1 22 | 1 37 | 2 23 | 7 3 | 0 47 | 1 29 | 1 39 | 0 57 | 15 22 | 23 33 | 23 33 | 3 31 | 15 3 | 6 3 |
| W22 | 23 23 | 8 57 | 5 11 | 23 49 | 1 56 | 15 26 | 2 51 | 24 3 | 0 57 | 1 38 | 1 22 | 1 36 | 2 24 | 7 3 | 0 47 | 1 29 | 1 39 | 0 57 | 15 22 | 23 33 | 23 33 | 3 34 | 15 3 | 6 3 |
| T 23 | 23 19 | 4 14 | 5 17 | 23 29 | 1 52 | 15 45 | 2 50 | 23 59 | 0 58 | 1 37 | 1 23 | 1 36 | 2 24 | 7 4 | 0 47 | 1 29 | 1 39 | 0 57 | 15 22 | 23 33 | 23 33 | 3 37 | 15 2 | 6 3 |
| F 24 | 23 15 | 0n35 | 5 9 | 23 8 | 1 47 | 16 3 | 2 49 | 23 55 | 0 58 | 1 36 | 1 23 | 1 36 | 2 24 | 7 4 | 0 47 | 1 29 | 1 39 | 0 57 | 15 21 | 23 33 | 23 33 | 3 39 | 15 1 | 6 3 |
| S 25 | 23 11 | 5 22 | 4 47 | 22 45 | 1 41 | 16 21 | 2 48 | 23 51 | 0 58 | 1 35 | 1 23 | 1 35 | 2 25 | 7 4 | 0 47 | 1 30 | 1 40 | 0 57 | 15 21 | 23 33 | 23 33 | 3 42 | 15 0 | 6 3 |
| S 26 | 23 6 | 9 58 | 4 14 | 22 21 | 1 35 | 16 38 | 2 46 | 23 46 | 0 59 | 1 35 | 1 24 | 1 35 | 2 25 | 7 4 | 0 47 | 1 30 | 1 40 | 0 57 | 15 21 | 23 33 | 23 33 | 3 45 | 15 0 | 6 2 |
| M27 | 23 1 | 14 15 | 3 29 | 21 56 | 1 28 | 16 56 | 2 44 | 23 42 | 0 59 | 1 34 | 1 24 | 1 35 | 2 25 | 7 5 | 0 47 | 1 30 | 1 40 | 0 56 | 15 21 | 23 33 | 23 33 | 3 48 | 14 59 | 6 2 |
| T 28 | 22 55 | 18 1 | 2 34 | 21 29 | 1 19 | 17 13 | 2 43 | 23 36 | 0 59 | 1 33 | 1 24 | 1 35 | 2 25 | 7 5 | 0 48 | 1 30 | 1 40 | 0 56 | 15 20 | 23 33 | 23 33 | 3 50 | 14 58 | 6 2 |
| W29 | 22 49 | 21 4 | 1 31 | 21 2 | 1 10 | 17 29 | 2 41 | 23 31 | 1 0 | 1 33 | 1 24 | 1 35 | 2 26 | 7 5 | 0 48 | 1 30 | 1 40 | 0 56 | 15 20 | 23 33 | 23 33 | 3 53 | 14 57 | 6 2 |
| T 30 | 22 43 | 23 9 | 0 22 | 20 34 | 1 0 | 17 45 | 2 39 | 23 25 | 1 0 | 1 32 | 1 25 | 1 35 | 2 26 | 7 6 | 0 48 | 1 30 | 1 40 | 0 56 | 15 20 | 23 33 | 23 33 | 3 56 | 14 57 | 6 2 |
| F 31 | 22s36 | 24n 3 | 0n50 | 20s 5 | 0s49 | 18s 1 | 2n37 | 23s20 | 1s 0 | 1n32 | 1n25 | 1n35 | 2n26 | 7n 6 | 0n48 | 1s30 | 1n40 | 0s56 | 15s19 | 23n33 | 23n33 | 3n59 | 14s56 | 6n 2 |

Julian Day Number = 2132663.5, Delta T = 16m21s
Ecliptic obliquity = 23°33'08, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'05, Lahiri = 11°41'06 Julian Calendar 1 Dec. 1126 == Greg. Calendar 8 Dec. 1126


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## JANUARY 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 5 21 | 16♑58'13 | 22♋45 | 5♒29 | 2♐49 | 18♑48 | 29♍27 | 1♎38 | 13°R52 | 7♎35 | 5°R54 | 0°R23 | 29♊32 | 21♈35 | 27♑ 7 | S 1 |
| S 2 | 7 9 18 | 17°59'17 | 6♌18 | 6°36 | 3°58 | 19°35 | 29°28 | 1°38 | 13♍51 | 7°35 | 5♉54 | 0♋21 | 29°29 | 21°42 | 27°12 | S 2 |
| M 3 | 7 13 14 | 19° 0'20 | 20° 4 | 7°37 | 5° 8 | 20°22 | 29°29 | 1°38 | 13°49 | 7°R35 | 5°54 | 0°18 | 29°25 | 21°48 | 27°17 | M 3 |
| T 4 | 7 17 11 | 20° 1'22 | 4♍ 2 | 8°31 | 6°17 | 21° 9 | 29°30 | 1°R38 | 13°48 | 7°35 | 5°53 | 0°15 | 29°22 | 21°55 | 27°22 | T 4 |
| W 5 | 7 21 7 | 21° 2'24 | 18° 8 | 9°17 | 7°27 | 21°56 | 29°30 | 1°38 | 13°47 | 7°35 | 5°53 | 0°13 | 29°19 | 22° 2 | 27°27 | W 5 |
| T 6 | 7 25 4 | 22° 3'25 | 2♎17 | 9°54 | 8°37 | 22°43 | 29°31 | 1°38 | 13°46 | 7°35 | 5°53 | 0°11 | 29°16 | 22° 9 | 27°31 | T 6 |
| F 7 | 7 29 0 | 23° 4'25 | 16°29 | 10°22 | 9°47 | 23°31 | 29°31 | 1°38 | 13°45 | 7°35 | 5°53 | 0° 9 | 29°13 | 22°15 | 27°36 | F 7 |
| S 8 | 7 32 57 | 24° 5'25 | 0♏39 | 10°39 | 10°57 | 24°18 | 29°R31 | 1°38 | 13°43 | 7°35 | 5°53 | 0°D 9 | 29°10 | 22°22 | 27°41 | S 8 |
| S 9 | 7 36 53 | 25° 6'24 | 14°47 | 10°R45 | 12° 7 | 25° 5 | 29°31 | 1°37 | 13°42 | 7°34 | 5°53 | 0°10 | 29° 6 | 22°29 | 27°46 | S 9 |
| M10 | 7 40 50 | 26° 7'23 | 28°50 | 10°41 | 13°18 | 25°52 | 29°31 | 1°37 | 13°40 | 7°34 | 5°53 | 0°12 | 29° 3 | 22°35 | 27°51 | M10 |
| T 11 | 7 44 47 | 27° 8'21 | 12♐47 | 10°25 | 14°28 | 26°39 | 29°30 | 1°36 | 13°39 | 7°34 | 5°53 | 0°13 | 29° 0 | 22°42 | 27°56 | T 11 |
| W12 | 7 48 43 | 28° 9'18 | 26°36 | 9°57 | 15°39 | 27°27 | 29°29 | 1°35 | 13°37 | 7°34 | 5°52 | 0°R14 | 28°57 | 22°49 | 28° 1 | W12 |
| T 13 | 7 52 40 | 29°10'14 | 10♑15 | 9°19 | 16°50 | 28°14 | 29°29 | 1°34 | 13°36 | 7°33 | 5°D52 | 0°14 | 28°54 | 22°56 | 28° 6 | T 13 |
| F 14 | 7 56 36 | 0♒11'09 | 23°42 | 8°32 | 18° 0 | 29° 1 | 29°27 | 1°33 | 13°34 | 7°33 | 5°52 | 0°12 | 28°51 | 23° 2 | 28°11 | F 14 |
| S 15 | 8 0 33 | 1°12'03 | 6♒55 | 7°36 | 19°11 | 29°48 | 29°26 | 1°32 | 13°32 | 7°32 | 5°52 | 0° 8 | 28°47 | 23° 9 | 28°16 | S 15 |
| S 16 | 8 4 29 | 2°12'56 | 19°53 | 6°33 | 20°22 | 0♒36 | 29°25 | 1°31 | 13°31 | 7°32 | 5°53 | 0° 4 | 28°44 | 23°16 | 28°21 | S 16 |
| M17 | 8 8 26 | 3°13'47 | 2♓36 | 5°25 | 21°33 | 1°23 | 29°23 | 1°30 | 13°29 | 7°31 | 5°53 | 29♊58 | 28°41 | 23°22 | 28°26 | M17 |
| T 18 | 8 12 22 | 4°14'37 | 15° 3 | 4°13 | 22°44 | 2°10 | 29°21 | 1°28 | 13°27 | 7°31 | 5°53 | 29°51 | 28°38 | 23°29 | 28°31 | T 18 |
| W19 | 8 16 19 | 5°15'25 | 27°16 | 3° 1 | 23°55 | 2°58 | 29°19 | 1°27 | 13°25 | 7°30 | 5°53 | 29°46 | 28°35 | 23°36 | 28°36 | W19 |
| T 20 | 8 20 16 | 6°16'12 | 9♈18 | 1°50 | 25° 6 | 3°45 | 29°17 | 1°25 | 13°23 | 7°30 | 5°53 | 29°41 | 28°31 | 23°43 | 28°40 | T 20 |
| F 21 | 8 24 12 | 7°16'58 | 21°12 | 0°41 | 26°18 | 4°32 | 29°15 | 1°24 | 13°22 | 7°29 | 5°53 | 29°38 | 28°28 | 23°49 | 28°45 | F 21 |
| S 22 | 8 28 9 | 8°17'41 | 3♉ 3 | 29♑37 | 27°29 | 5°20 | 29°12 | 1°22 | 13°20 | 7°29 | 5°53 | 29°D36 | 28°25 | 23°56 | 28°50 | S 22 |
| S 23 | 8 32 5 | 9°18'23 | 14°56 | 28°38 | 28°40 | 6° 7 | 29° 9 | 1°20 | 13°18 | 7°28 | 5°53 | 29°36 | 28°22 | 24° 3 | 28°55 | S 23 |
| M24 | 8 36 2 | 10°19'04 | 26°55 | 27°46 | 29°52 | 6°54 | 29° 6 | 1°18 | 13°16 | 7°27 | 5°54 | 29°37 | 28°19 | 24° 9 | 29° 0 | M24 |
| T 25 | 8 39 58 | 11°19'42 | 9♊ 6 | 27° 1 | 1♑ 3 | 7°42 | 29° 3 | 1°16 | 13°14 | 7°27 | 5°54 | 29°39 | 28°16 | 24°16 | 29° 5 | T 25 |
| W26 | 8 43 55 | 12°20'19 | 21°33 | 26°24 | 2°15 | 8°29 | 29° 0 | 1°14 | 13°11 | 7°26 | 5°54 | 29°40 | 28°12 | 24°23 | 29°10 | W26 |
| T 27 | 8 47 51 | 13°20'55 | 4♋21 | 25°55 | 3°26 | 9°16 | 28°56 | 1°11 | 13° 9 | 7°25 | 5°54 | 29°R40 | 28° 9 | 24°30 | 29°14 | T 27 |
| F 28 | 8 51 48 | 14°21'28 | 17°31 | 25°34 | 4°38 | 10° 4 | 28°53 | 1° 9 | 13° 7 | 7°24 | 5°55 | 29°39 | 28° 6 | 24°36 | 29°19 | F 28 |
| S 29 | 8 55 45 | 15°22'00 | 1♌ 5 | 25°20 | 5°50 | 10°51 | 28°49 | 1° 6 | 13° 5 | 7°23 | 5°55 | 29°35 | 28° 3 | 24°43 | 29°24 | S 29 |
| S 30 | 8 59 41 | 16°22'30 | 15° 2 | 25°D14 | 7° 2 | 11°39 | 28°45 | 1° 4 | 13° 3 | 7°23 | 5°55 | 29°29 | 28° 0 | 24°50 | 29°29 | S 30 |
| M31 | 9 3 38 | 17♒22'59 | 29♌16 | 25♑15 | 8♑14 | 12♒26 | 28♍41 | 1♎ 1 | 13♍ 1 | 7♎22 | 5♉56 | 29♊22 | 27♊57 | 24♈56 | 29♑33 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s28 | 23n36 | 2n 0 | 19s35 | 0s37 | 18s17 | 2n35 | 23s13 | 1s 0 | 1n32 | 1n25 | 1n35 | 2n27 | 7n 7 | 0n48 | 1s30 | 1n40 | 0s55 | 15s19 | 23n33 | 23n33 | 4n 2 | 14s55 | 6n 2 | S 1 |
| S 2 | 22 20 | 21 47 | 3 5 | 19 6 | 0 24 | 18 32 | 2 33 | 23 7 | 1 1 | 1 31 | 1 26 | 1 35 | 2 27 | 7 7 | 0 48 | 1 30 | 1 40 | 0 55 | 15 19 | 23 33 | 23 33 | 4 4 | 14 54 | 6 2 | S 2 |
| M 3 | 22 12 | 18 40 | 4 1 | 18 37 | 0 11 | 18 47 | 2 31 | 23 0 | 1 1 | 1 31 | 1 26 | 1 36 | 2 27 | 7 8 | 0 48 | 1 29 | 1 40 | 0 55 | 15 18 | 23 33 | 23 33 | 4 7 | 14 53 | 6 2 | M 3 |
| T 4 | 22 3 | 14 27 | 4 43 | 18 9 | 0n 4 | 19 1 | 2 29 | 22 53 | 1 1 | 1 31 | 1 26 | 1 36 | 2 27 | 7 8 | 0 48 | 1 29 | 1 40 | 0 55 | 15 18 | 23 33 | 23 33 | 4 10 | 14 52 | 6 2 | T 4 |
| W 5 | 21 54 | 9 26 | 5 8 | 17 42 | 0 20 | 19 15 | 2 26 | 22 46 | 1 1 | 1 31 | 1 26 | 1 36 | 2 28 | 7 9 | 0 48 | 1 29 | 1 40 | 0 54 | 15 18 | 23 33 | 23 33 | 4 13 | 14 51 | 6 2 | W 5 |
| T 6 | 21 44 | 3 53 | 5 14 | 17 16 | 0 36 | 19 29 | 2 24 | 22 38 | 1 2 | 1 31 | 1 27 | 1 36 | 2 28 | 7 9 | 0 48 | 1 29 | 1 40 | 0 54 | 15 17 | 23 33 | 23 33 | 4 16 | 14 50 | 6 2 | T 6 |
| F 7 | 21 34 | 1s52 | 5 2 | 16 52 | 0 53 | 19 42 | 2 21 | 22 31 | 1 2 | 1 31 | 1 27 | 1 37 | 2 28 | 7 10 | 0 48 | 1 29 | 1 40 | 0 54 | 15 17 | 23 33 | 23 33 | 4 19 | 14 50 | 6 2 | F 7 |
| S 8 | 21 24 | 7 31 | 4 31 | 16 31 | 1 11 | 19 54 | 2 19 | 22 22 | 1 2 | 1 32 | 1 27 | 1 37 | 2 29 | 7 10 | 0 48 | 1 29 | 1 40 | 0 54 | 15 17 | 23 33 | 23 33 | 4 21 | 14 49 | 6 2 | S 8 |
| S 9 | 21 13 | 12 46 | 3 44 | 16 12 | 1 29 | 20 6 | 2 16 | 22 14 | 1 2 | 1 32 | 1 28 | 1 38 | 2 29 | 7 11 | 0 48 | 1 29 | 1 40 | 0 53 | 15 16 | 23 33 | 23 33 | 4 24 | 14 48 | 6 2 | S 9 |
| M10 | 21 1 | 17 20 | 2 44 | 15 56 | 1 47 | 20 18 | 2 13 | 22 6 | 1 2 | 1 32 | 1 28 | 1 38 | 2 29 | 7 11 | 0 48 | 1 29 | 1 41 | 0 53 | 15 16 | 23 33 | 23 33 | 4 27 | 14 47 | 6 2 | M10 |
| T 11 | 20 50 | 20 53 | 1 34 | 15 43 | 2 4 | 20 29 | 2 10 | 21 57 | 1 3 | 1 33 | 1 28 | 1 39 | 2 29 | 7 12 | 0 48 | 1 29 | 1 41 | 0 53 | 15 16 | 23 33 | 23 33 | 4 30 | 14 46 | 6 2 | T 11 |
| W12 | 20 38 | 23 11 | 0 20 | 15 34 | 2 22 | 20 40 | 2 7 | 21 48 | 1 3 | 1 33 | 1 28 | 1 39 | 2 30 | 7 13 | 0 48 | 1 28 | 1 41 | 0 52 | 15 15 | 23 33 | 23 33 | 4 33 | 14 45 | 6 2 | W12 |
| T 13 | 20 25 | 24 4 | 0s55 | 15 28 | 2 38 | 20 50 | 2 5 | 21 38 | 1 3 | 1 34 | 1 29 | 1 40 | 2 30 | 7 13 | 0 48 | 1 28 | 1 41 | 0 52 | 15 15 | 23 33 | 23 33 | 4 35 | 14 44 | 6 2 | T 13 |
| F 14 | 20 12 | 23 31 | 2 5 | 15 26 | 2 53 | 20 59 | 2 2 | 21 29 | 1 3 | 1 35 | 1 29 | 1 40 | 2 30 | 7 14 | 0 48 | 1 28 | 1 41 | 0 52 | 15 15 | 23 33 | 23 33 | 4 38 | 14 43 | 6 2 | F 14 |
| S 15 | 19 59 | 21 39 | 3 7 | 15 27 | 3 7 | 21 8 | 1 59 | 21 19 | 1 3 | 1 35 | 1 29 | 1 41 | 2 30 | 7 15 | 0 48 | 1 28 | 1 41 | 0 52 | 15 14 | 23 33 | 23 33 | 4 41 | 14 42 | 6 2 | S 15 |
| S 16 | 19 46 | 18 41 | 3 58 | 15 31 | 3 18 | 21 17 | 1 56 | 21 9 | 1 3 | 1 36 | 1 30 | 1 42 | 2 31 | 7 15 | 0 48 | 1 28 | 1 41 | 0 51 | 15 14 | 23 33 | 23 33 | 4 44 | 14 41 | 6 2 | S 16 |
| M17 | 19 32 | 14 54 | 4 37 | 15 39 | 3 28 | 21 25 | 1 52 | 20 59 | 1 4 | 1 37 | 1 30 | 1 43 | 2 31 | 7 16 | 0 48 | 1 27 | 1 41 | 0 51 | 15 14 | 23 33 | 23 33 | 4 47 | 14 40 | 6 2 | M17 |
| T 18 | 19 17 | 10 32 | 5 1 | 15 48 | 3 35 | 21 32 | 1 49 | 20 48 | 1 4 | 1 38 | 1 30 | 1 43 | 2 31 | 7 17 | 0 48 | 1 27 | 1 41 | 0 50 | 15 13 | 23 33 | 23 33 | 4 49 | 14 39 | 6 2 | T 18 |
| W19 | 19 3 | 5 50 | 5 11 | 16 0 | 3 40 | 21 39 | 1 46 | 20 37 | 1 4 | 1 39 | 1 30 | 1 44 | 2 32 | 7 17 | 0 48 | 1 27 | 1 41 | 0 50 | 15 13 | 23 33 | 23 33 | 4 52 | 14 38 | 6 2 | W19 |
| T 20 | 18 48 | 1 0 | 5 7 | 16 14 | 3 42 | 21 45 | 1 43 | 20 26 | 1 4 | 1 40 | 1 31 | 1 45 | 2 32 | 7 18 | 0 48 | 1 26 | 1 41 | 0 50 | 15 13 | 23 33 | 23 33 | 4 55 | 14 37 | 6 2 | T 20 |
| F 21 | 18 32 | 3n50 | 4 49 | 16 29 | 3 42 | 21 51 | 1 40 | 20 15 | 1 4 | 1 41 | 1 31 | 1 46 | 2 32 | 7 19 | 0 48 | 1 26 | 1 41 | 0 49 | 15 12 | 23 33 | 23 33 | 4 58 | 14 36 | 6 2 | F 21 |
| S 22 | 18 17 | 8 31 | 4 20 | 16 44 | 3 40 | 21 55 | 1 36 | 20 4 | 1 4 | 1 43 | 1 31 | 1 47 | 2 32 | 7 20 | 0 48 | 1 26 | 1 41 | 0 49 | 15 12 | 23 33 | 23 33 | 5 1 | 14 35 | 6 2 | S 22 |
| S 23 | 18 1 | 12 54 | 3 39 | 17 0 | 3 36 | 22 0 | 1 33 | 19 52 | 1 4 | 1 44 | 1 31 | 1 48 | 2 33 | 7 20 | 0 48 | 1 26 | 1 41 | 0 49 | 15 11 | 23 33 | 23 33 | 5 3 | 14 34 | 6 2 | S 23 |
| M24 | 17 44 | 16 50 | 2 48 | 17 16 | 3 30 | 22 4 | 1 30 | 19 40 | 1 4 | 1 46 | 1 32 | 1 49 | 2 33 | 7 21 | 0 48 | 1 25 | 1 41 | 0 48 | 15 11 | 23 33 | 23 33 | 5 6 | 14 33 | 6 2 | M24 |
| T 25 | 17 28 | 20 7 | 1 49 | 17 32 | 3 23 | 22 7 | 1 26 | 19 28 | 1 5 | 1 47 | 1 32 | 1 50 | 2 33 | 7 22 | 0 48 | 1 25 | 1 41 | 0 48 | 15 11 | 23 33 | 23 32 | 5 9 | 14 32 | 6 2 | T 25 |
| W26 | 17 11 | 22 33 | 0 44 | 17 48 | 3 14 | 22 9 | 1 23 | 19 16 | 1 5 | 1 49 | 1 32 | 1 51 | 2 33 | 7 23 | 0 48 | 1 25 | 1 41 | 0 47 | 15 10 | 23 33 | 23 32 | 5 12 | 14 31 | 6 2 | W26 |
| T 27 | 16 54 | 23 54 | 0n25 | 18 3 | 3 4 | 22 11 | 1 19 | 19 4 | 1 5 | 1 50 | 1 32 | 1 52 | 2 34 | 7 24 | 0 49 | 1 24 | 1 42 | 0 47 | 15 10 | 23 33 | 23 32 | 5 15 | 14 30 | 6 2 | T 27 |
| F 28 | 16 36 | 23 58 | 1 35 | 18 18 | 2 53 | 22 12 | 1 16 | 18 51 | 1 5 | 1 52 | 1 33 | 1 54 | 2 34 | 7 25 | 0 49 | 1 24 | 1 42 | 0 47 | 15 10 | 23 33 | 23 32 | 5 17 | 14 29 | 6 2 | F 28 |
| S 29 | 16 18 | 22 38 | 2 41 | 18 32 | 2 41 | 22 13 | 1 12 | 18 38 | 1 5 | 1 54 | 1 33 | 1 55 | 2 34 | 7 25 | 0 49 | 1 23 | 1 42 | 0 46 | 15 9 | 23 33 | 23 32 | 5 20 | 14 28 | 6 3 | S 29 |
| S 30 | 16 0 | 19 54 | 3 40 | 18 44 | 2 29 | 22 13 | 1 9 | 18 25 | 1 5 | 1 55 | 1 33 | 1 56 | 2 34 | 7 26 | 0 49 | 1 23 | 1 42 | 0 46 | 15 9 | 23 33 | 23 32 | 5 23 | 14 27 | 6 3 | S 30 |
| M31 | 15s42 | 15n55 | 4n26 | 18s56 | 2n17 | 22s12 | 1n 5 | 18s12 | 1s 5 | 1n57 | 1n33 | 1n57 | 2n35 | 7n27 | 0n49 | 1s23 | 1n42 | 0s45 | 15s 9 | 23n33 | 23n32 | 5n26 | 14s25 | 6n 3 | M31 |

Julian Day Number = 2132694.5, Delta T = 16m21s
Ecliptic obliquity = 23°33'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'10, Lahiri = 11°41'10 Julian Calendar 1 Jan. 1127 == Greg. Calendar 8 Jan. 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## FEBRUARY 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 7 34 | 18♒23'26 | 13♍44 | 25♉22 | 9♉25 | 13♒13 | 28°R36 | 0°R59 | 12°R58 | 7°R21 | 5♋56 | 29°R14 | 27♊53 | 25♈ 3 | 29♉38 | T 1 |
| W 2 | 9 11 31 | 19°23'51 | 28°19 | 25°36 | 10°37 | 14° 1 | 28♍32 | 0♎56 | 12♍56 | 7♎20 | 5°57 | 29♊ 6 | 27°50 | 25°10 | 29°43 | W 2 |
| T 3 | 9 15 27 | 20°24'15 | 12♎53 | 25°56 | 11°49 | 14°48 | 28°27 | 0°53 | 12°54 | 7°19 | 5°57 | 28°59 | 27°47 | 25°17 | 29°48 | T 3 |
| F 4 | 9 19 24 | 21°24'37 | 27°20 | 26°21 | 13° 1 | 15°35 | 28°22 | 0°50 | 12°51 | 7°18 | 5°58 | 28°55 | 27°44 | 25°23 | 29°52 | F 4 |
| S 5 | 9 23 20 | 22°24'58 | 11♏38 | 26°52 | 14°14 | 16°23 | 28°17 | 0°47 | 12°49 | 7°17 | 5°58 | 28°52 | 27°41 | 25°30 | 29°57 | S 5 |
| S 6 | 9 27 17 | 23°25'18 | 25°42 | 27°27 | 15°26 | 17°10 | 28°12 | 0°44 | 12°47 | 7°16 | 5°58 | 28°D52 | 27°37 | 25°37 | 0♒ 2 | S 6 |
| M 7 | 9 31 14 | 24°25'36 | 9♐33 | 28° 6 | 16°38 | 17°57 | 28° 7 | 0°40 | 12°44 | 7°15 | 5°59 | 28°52 | 27°34 | 25°43 | 0° 6 | M 7 |
| T 8 | 9 35 10 | 25°25'53 | 23°11 | 28°49 | 17°50 | 18°45 | 28° 2 | 0°37 | 12°42 | 7°14 | 6° 0 | 28°R53 | 27°31 | 25°50 | 0°11 | T 8 |
| W 9 | 9 39 7 | 26°26'08 | 6♑36 | 29°36 | 19° 2 | 19°32 | 27°56 | 0°34 | 12°39 | 7°12 | 6° 0 | 28°53 | 27°28 | 25°57 | 0°15 | W 9 |
| T 10 | 9 43 3 | 27°26'22 | 19°50 | 0♒27 | 20°15 | 20°19 | 27°50 | 0°30 | 12°37 | 7°11 | 6° 1 | 28°51 | 27°25 | 26° 3 | 0°20 | T 10 |
| F 11 | 9 47 0 | 28°26'34 | 2♒53 | 1°21 | 21°27 | 21° 7 | 27°44 | 0°27 | 12°34 | 7°10 | 6° 1 | 28°46 | 27°22 | 26°10 | 0°24 | F 11 |
| S 12 | 9 50 56 | 29°26'44 | 15°45 | 2°18 | 22°39 | 21°54 | 27°38 | 0°23 | 12°32 | 7° 9 | 6° 2 | 28°39 | 27°18 | 26°17 | 0°29 | S 12 |
| S 13 | 9 54 53 | 0♓26'52 | 28°25 | 3°17 | 23°52 | 22°41 | 27°32 | 0°20 | 12°29 | 7° 8 | 6° 3 | 28°29 | 27°15 | 26°24 | 0°33 | S 13 |
| M14 | 9 58 49 | 1°26'58 | 10♓55 | 4°19 | 25° 4 | 23°29 | 27°26 | 0°16 | 12°27 | 7° 6 | 6° 3 | 28°17 | 27°12 | 26°30 | 0°38 | M14 |
| T 15 | 10 2 46 | 2°27'03 | 23°13 | 5°24 | 26°17 | 24°16 | 27°20 | 0°12 | 12°24 | 7° 5 | 6° 4 | 28° 5 | 27° 9 | 26°37 | 0°42 | T 15 |
| W16 | 10 6 43 | 3°27'05 | 5♈21 | 6°31 | 27°29 | 25° 3 | 27°13 | 0° 8 | 12°22 | 7° 4 | 6° 5 | 27°53 | 27° 6 | 26°44 | 0°46 | W16 |
| T 17 | 10 10 39 | 4°27'05 | 17°20 | 7°40 | 28°42 | 25°50 | 27° 7 | 0° 4 | 12°19 | 7° 3 | 6° 5 | 27°42 | 27° 3 | 26°50 | 0°51 | T 17 |
| F 18 | 10 14 36 | 5°27'04 | 29°13 | 8°51 | 29°54 | 26°38 | 27° 0 | 0° 0 | 12°16 | 7° 1 | 6° 6 | 27°34 | 26°59 | 26°57 | 0°55 | F 18 |
| S 19 | 10 18 32 | 6°27'00 | 11♉ 2 | 10° 4 | 1♒ 7 | 27°25 | 26°53 | 29♍56 | 12°14 | 7° 0 | 6° 7 | 27°28 | 26°56 | 27° 4 | 0°59 | S 19 |
| S 20 | 10 22 29 | 7°26'53 | 22°53 | 11°19 | 2°19 | 28°12 | 26°46 | 29°52 | 12°11 | 6°58 | 6° 7 | 27°25 | 26°53 | 27°11 | 1° 3 | S 20 |
| M21 | 10 26 25 | 8°26'45 | 4♊50 | 12°36 | 3°32 | 28°59 | 26°39 | 29°48 | 12° 9 | 6°57 | 6° 8 | 27°D24 | 26°50 | 27°17 | 1° 7 | M21 |
| T 22 | 10 30 22 | 9°26'34 | 16°57 | 13°54 | 4°44 | 29°47 | 26°32 | 29°44 | 12° 6 | 6°56 | 6° 9 | 27°24 | 26°47 | 27°24 | 1°12 | T 22 |
| W23 | 10 34 18 | 10°26'21 | 29°22 | 15°14 | 5°57 | 0♓34 | 26°25 | 29°40 | 12° 3 | 6°54 | 6°10 | 27°R24 | 26°43 | 27°31 | 1°16 | W23 |
| T 24 | 10 38 15 | 11°26'06 | 12♋ 8 | 16°36 | 7°10 | 1°21 | 26°18 | 29°35 | 12° 1 | 6°53 | 6°11 | 27°24 | 26°40 | 27°37 | 1°20 | T 24 |
| F 25 | 10 42 12 | 12°25'49 | 25°20 | 17°59 | 8°22 | 2° 8 | 26°11 | 29°31 | 11°58 | 6°51 | 6°12 | 27°21 | 26°37 | 27°44 | 1°24 | F 25 |
| S 26 | 10 46 8 | 13°25'29 | 9♌ 0 | 19°24 | 9°35 | 2°55 | 26° 3 | 29°27 | 11°56 | 6°50 | 6°12 | 27°15 | 26°34 | 27°51 | 1°28 | S 26 |
| S 27 | 10 50 5 | 14°25'07 | 23° 8 | 20°50 | 10°48 | 3°42 | 25°56 | 29°22 | 11°53 | 6°48 | 6°13 | 27° 7 | 26°31 | 27°57 | 1°32 | S 27 |
| M28 | 10 54 1 | 15♓24'43 | 7♍41 | 22♒17 | 12♒ 0 | 4♓29 | 25♍49 | 29♍18 | 11♍50 | 6♎47 | 6♋14 | 26♊57 | 26♊28 | 28♈ 4 | 1♒36 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s23 | 10n58 | 4n56 | 19s 7 | 2n 5 | 22s11 | 1n 2 | 17s58 | 1s 5 | 1n59 | 1n34 | 1n59 | 2n35 | 7n28 | 0n49 | 1s22 | 1n42 | 0s45 | 15s 8 | 23n33 | 23n32 | 5n29 | 14s24 | 6n 3 |
| W 2 | 15 4 | 5 21 | 5 7 | 19 17 | 1 52 | 22 9 | 0 58 | 17 44 | 1 5 | 2 1 | 1 34 | 2 0 | 2 35 | 7 29 | 0 49 | 1 22 | 1 42 | 0 44 | 15 8 | 23 33 | 23 32 | 5 31 | 14 23 | 6 3 |
| T 3 | 14 45 | 0s32 | 4 58 | 19 26 | 1 40 | 22 7 | 0 55 | 17 31 | 1 5 | 2 3 | 1 34 | 2 1 | 2 35 | 7 30 | 0 49 | 1 21 | 1 42 | 0 44 | 15 8 | 23 33 | 23 32 | 5 34 | 14 22 | 6 3 |
| F 4 | 14 26 | 6 22 | 4 30 | 19 33 | 1 27 | 22 4 | 0 51 | 17 17 | 1 5 | 2 5 | 1 34 | 2 3 | 2 36 | 7 31 | 0 49 | 1 21 | 1 42 | 0 44 | 15 7 | 23 33 | 23 32 | 5 37 | 14 21 | 6 3 |
| S 5 | 14 6 | 11 49 | 3 46 | 19 39 | 1 15 | 22 0 | 0 48 | 17 2 | 1 5 | 2 8 | 1 35 | 2 4 | 2 36 | 7 32 | 0 49 | 1 21 | 1 42 | 0 43 | 15 7 | 23 33 | 23 32 | 5 40 | 14 20 | 6 3 |
| S 6 | 13 47 | 16 33 | 2 48 | 19 45 | 1 3 | 21 55 | 0 44 | 16 48 | 1 5 | 2 10 | 1 35 | 2 6 | 2 36 | 7 33 | 0 49 | 1 20 | 1 42 | 0 43 | 15 7 | 23 33 | 23 32 | 5 43 | 14 19 | 6 4 |
| M 7 | 13 27 | 20 19 | 1 42 | 19 48 | 0 51 | 21 50 | 0 41 | 16 33 | 1 5 | 2 12 | 1 35 | 2 7 | 2 36 | 7 34 | 0 49 | 1 20 | 1 42 | 0 42 | 15 7 | 23 33 | 23 32 | 5 45 | 14 18 | 6 4 |
| T 8 | 13 6 | 22 52 | 0 31 | 19 51 | 0 39 | 21 44 | 0 37 | 16 19 | 1 5 | 2 15 | 1 35 | 2 8 | 2 36 | 7 35 | 0 49 | 1 19 | 1 42 | 0 42 | 15 6 | 23 33 | 23 32 | 5 48 | 14 17 | 6 4 |
| W 9 | 12 46 | 24 4 | 0s41 | 19 52 | 0 28 | 21 38 | 0 34 | 16 4 | 1 5 | 2 17 | 1 35 | 2 10 | 2 37 | 7 36 | 0 49 | 1 19 | 1 42 | 0 41 | 15 6 | 23 33 | 23 32 | 5 51 | 14 16 | 6 4 |
| T 10 | 12 25 | 23 53 | 1 50 | 19 52 | 0 17 | 21 31 | 0 30 | 15 49 | 1 5 | 2 19 | 1 36 | 2 12 | 2 37 | 7 37 | 0 49 | 1 18 | 1 42 | 0 41 | 15 6 | 23 33 | 23 32 | 5 54 | 14 14 | 6 4 |
| F 11 | 12 4 | 22 23 | 2 51 | 19 51 | 0 6 | 21 23 | 0 27 | 15 33 | 1 5 | 2 22 | 1 36 | 2 13 | 2 37 | 7 37 | 0 49 | 1 18 | 1 42 | 0 40 | 15 5 | 23 33 | 23 32 | 5 57 | 14 13 | 6 4 |
| S 12 | 11 43 | 19 44 | 3 43 | 19 48 | 0s 4 | 21 15 | 0 23 | 15 18 | 1 5 | 2 25 | 1 36 | 2 15 | 2 37 | 7 38 | 0 49 | 1 17 | 1 42 | 0 40 | 15 5 | 23 33 | 23 32 | 6 0 | 14 12 | 6 5 |
| S 13 | 11 22 | 16 10 | 4 22 | 19 45 | 0 14 | 21 6 | 0 20 | 15 2 | 1 5 | 2 27 | 1 36 | 2 16 | 2 37 | 7 39 | 0 49 | 1 17 | 1 42 | 0 39 | 15 5 | 23 33 | 23 31 | 6 2 | 14 11 | 6 5 |
| M14 | 11 1 | 11 57 | 4 49 | 19 39 | 0 24 | 20 57 | 0 17 | 14 47 | 1 5 | 2 30 | 1 36 | 2 18 | 2 38 | 7 40 | 0 49 | 1 16 | 1 42 | 0 39 | 15 4 | 23 32 | 23 31 | 6 5 | 14 10 | 6 5 |
| T 15 | 10 39 | 7 19 | 5 1 | 19 33 | 0 33 | 20 47 | 0 13 | 14 31 | 1 5 | 2 32 | 1 37 | 2 20 | 2 38 | 7 41 | 0 49 | 1 16 | 1 42 | 0 38 | 15 4 | 23 32 | 23 31 | 6 8 | 14 9 | 6 5 |
| W16 | 10 17 | 2 27 | 5 0 | 19 25 | 0 42 | 20 36 | 0 10 | 14 15 | 1 5 | 2 35 | 1 37 | 2 21 | 2 38 | 7 42 | 0 49 | 1 15 | 1 42 | 0 38 | 15 4 | 23 32 | 23 31 | 6 11 | 14 8 | 6 6 |
| T 17 | 9 55 | 2n27 | 4 45 | 19 15 | 0 51 | 20 25 | 0 7 | 13 59 | 1 5 | 2 38 | 1 37 | 2 23 | 2 38 | 7 43 | 0 49 | 1 14 | 1 42 | 0 37 | 15 3 | 23 32 | 23 31 | 6 14 | 14 7 | 6 6 |
| F 18 | 9 33 | 7 13 | 4 18 | 19 5 | 0 59 | 20 13 | 0 3 | 13 43 | 1 5 | 2 41 | 1 37 | 2 25 | 2 38 | 7 44 | 0 49 | 1 14 | 1 43 | 0 37 | 15 3 | 23 32 | 23 31 | 6 16 | 14 6 | 6 6 |
| S 19 | 9 11 | 11 43 | 3 40 | 18 53 | 1 7 | 20 0 | 0s 0 | 13 26 | 1 5 | 2 44 | 1 37 | 2 27 | 2 38 | 7 45 | 0 49 | 1 13 | 1 43 | 0 36 | 15 3 | 23 32 | 23 31 | 6 19 | 14 4 | 6 6 |
| S 20 | 8 49 | 15 48 | 2 52 | 18 39 | 1 14 | 19 47 | 0 3 | 13 10 | 1 5 | 2 46 | 1 37 | 2 28 | 2 39 | 7 46 | 0 49 | 1 13 | 1 43 | 0 36 | 15 3 | 23 32 | 23 31 | 6 22 | 14 3 | 6 6 |
| M21 | 8 27 | 19 17 | 1 57 | 18 24 | 1 21 | 19 34 | 0 6 | 12 53 | 1 5 | 2 49 | 1 37 | 2 30 | 2 39 | 7 47 | 0 49 | 1 12 | 1 43 | 0 35 | 15 2 | 23 32 | 23 31 | 6 25 | 14 2 | 6 7 |
| T 22 | 8 4 | 22 0 | 0 55 | 18 8 | 1 28 | 19 20 | 0 10 | 12 37 | 1 4 | 2 52 | 1 38 | 2 32 | 2 39 | 7 48 | 0 49 | 1 12 | 1 43 | 0 35 | 15 2 | 23 32 | 23 31 | 6 28 | 14 1 | 6 7 |
| W23 | 7 41 | 23 43 | 0n10 | 17 50 | 1 34 | 19 5 | 0 13 | 12 20 | 1 4 | 2 55 | 1 38 | 2 34 | 2 39 | 7 49 | 0 49 | 1 11 | 1 43 | 0 34 | 15 2 | 23 32 | 23 31 | 6 30 | 14 0 | 6 7 |
| T 24 | 7 19 | 24 17 | 1 17 | 17 31 | 1 40 | 18 49 | 0 16 | 12 3 | 1 4 | 2 58 | 1 38 | 2 36 | 2 39 | 7 50 | 0 49 | 1 10 | 1 43 | 0 34 | 15 1 | 23 32 | 23 31 | 6 33 | 13 59 | 6 7 |
| F 25 | 6 56 | 23 30 | 2 22 | 17 11 | 1 45 | 18 34 | 0 19 | 11 46 | 1 4 | 3 1 | 1 38 | 2 37 | 2 39 | 7 51 | 0 49 | 1 10 | 1 43 | 0 33 | 15 1 | 23 32 | 23 31 | 6 36 | 13 58 | 6 8 |
| S 26 | 6 33 | 21 19 | 3 21 | 16 49 | 1 51 | 18 17 | 0 22 | 11 29 | 1 4 | 3 4 | 1 38 | 2 39 | 2 39 | 7 52 | 0 49 | 1 9 | 1 43 | 0 33 | 15 1 | 23 31 | 23 30 | 6 39 | 13 57 | 6 8 |
| S 27 | 6 10 | 17 48 | 4 10 | 16 26 | 1 55 | 18 0 | 0 25 | 11 11 | 1 4 | 3 7 | 1 38 | 2 41 | 2 39 | 7 53 | 0 49 | 1 9 | 1 43 | 0 32 | 15 1 | 23 31 | 23 30 | 6 42 | 13 55 | 6 8 |
| M28 | 5s47 | 13n 7 | 4n44 | 16s 2 | 1s59 | 17s43 | 0s28 | 10s54 | 1s 4 | 3n10 | 1n38 | 2n43 | 2n40 | 7n54 | 0n49 | 1s 8 | 1n43 | 0s32 | 15s 0 | 23n31 | 23n30 | 6n44 | 13s54 | 6n 9 |

Julian Day Number = 2132725.5, Delta T = 16m20s
Ecliptic obliquity = 23°33'09, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'14, Lahiri = 11°41'14 Julian Calendar 1 Feb. 1127 == Greg. Calendar 8 Feb. 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## MARCH 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 57 58 | 16♓24'17 | 22♍32 | 23♒46 | 13♒13 | 5♓16 | 25°R41 | 29°R13 | 11°R48 | 6°R45 | 6♉15 | 26°R46 | 26♊24 | 28♈11 | 1♒39 | T 1 |
| W 2 | 11 1 54 | 17°23'48 | 7♎32 | 25°17 | 14°26 | 6° 3 | 25♍33 | 29♍ 9 | 11♍45 | 6♎44 | 6°16 | 26♊35 | 26°21 | 28°18 | 1°43 | W 2 |
| T 3 | 11 5 51 | 18°23'18 | 22°32 | 26°48 | 15°39 | 6°50 | 25°26 | 29° 4 | 11°43 | 6°42 | 6°17 | 26°25 | 26°18 | 28°24 | 1°47 | T 3 |
| F 4 | 11 9 47 | 19°22'46 | 7♏23 | 28°21 | 16°52 | 7°37 | 25°18 | 29° 0 | 11°40 | 6°41 | 6°18 | 26°17 | 26°15 | 28°31 | 1°51 | F 4 |
| S 5 | 11 13 44 | 20°22'12 | 21°57 | 29°56 | 18° 4 | 8°24 | 25°11 | 28°55 | 11°38 | 6°39 | 6°19 | 26°13 | 26°12 | 28°38 | 1°54 | S 5 |
| S 6 | 11 17 41 | 21°21'36 | 6♐12 | 1♓32 | 19°17 | 9°11 | 25° 3 | 28°51 | 11°35 | 6°38 | 6°20 | 26°11 | 26° 8 | 28°44 | 1°58 | S 6 |
| M 7 | 11 21 37 | 22°20'58 | 20° 5 | 3° 9 | 20°30 | 9°58 | 24°55 | 28°46 | 11°32 | 6°36 | 6°21 | 26°10 | 26° 5 | 28°51 | 2° 2 | M 7 |
| T 8 | 11 25 34 | 23°20'19 | 3♑37 | 4°47 | 21°43 | 10°45 | 24°47 | 28°42 | 11°30 | 6°35 | 6°22 | 26°10 | 26° 2 | 28°58 | 2° 5 | T 8 |
| W 9 | 11 29 30 | 24°19'38 | 16°51 | 6°27 | 22°56 | 11°32 | 24°40 | 28°37 | 11°27 | 6°33 | 6°23 | 26° 9 | 25°59 | 29° 4 | 2° 9 | W 9 |
| T 10 | 11 33 27 | 25°18'55 | 29°50 | 8° 8 | 24° 9 | 12°18 | 24°32 | 28°32 | 11°25 | 6°31 | 6°24 | 26° 6 | 25°56 | 29°11 | 2°12 | T 10 |
| F 11 | 11 37 23 | 26°18'11 | 12♒35 | 9°51 | 25°22 | 13° 5 | 24°24 | 28°28 | 11°22 | 6°30 | 6°25 | 26° 0 | 25°53 | 29°18 | 2°15 | F 11 |
| S 12 | 11 41 20 | 27°17'24 | 25° 8 | 11°35 | 26°35 | 13°52 | 24°16 | 28°23 | 11°20 | 6°28 | 6°26 | 25°52 | 25°49 | 29°25 | 2°19 | S 12 |
| S 13 | 11 45 16 | 28°16'35 | 7♓32 | 13°20 | 27°48 | 14°39 | 24° 9 | 28°18 | 11°17 | 6°27 | 6°27 | 25°40 | 25°46 | 29°31 | 2°22 | S 13 |
| M14 | 11 49 13 | 29°15'44 | 19°47 | 15° 7 | 29° 1 | 15°25 | 24° 1 | 28°14 | 11°15 | 6°25 | 6°28 | 25°27 | 25°43 | 29°38 | 2°25 | M14 |
| T 15 | 11 53 9 | 0♈14'52 | 1♈54 | 16°55 | 0♓14 | 16°12 | 23°53 | 28° 9 | 11°12 | 6°23 | 6°30 | 25°12 | 25°40 | 29°45 | 2°28 | T 15 |
| W16 | 11 57 6 | 1°13'57 | 13°54 | 18°44 | 1°27 | 16°59 | 23°46 | 28° 4 | 11°10 | 6°22 | 6°31 | 24°58 | 25°37 | 29°51 | 2°31 | W16 |
| T 17 | 12 1 3 | 2°13'00 | 25°49 | 20°35 | 2°40 | 17°45 | 23°38 | 28° 0 | 11° 8 | 6°20 | 6°32 | 24°46 | 25°34 | 29°58 | 2°35 | T 17 |
| F 18 | 12 4 59 | 3°12'01 | 7♉39 | 22°28 | 3°53 | 18°32 | 23°30 | 27°55 | 11° 5 | 6°18 | 6°33 | 24°35 | 25°30 | 0♉ 5 | 2°38 | F 18 |
| S 19 | 12 8 56 | 4°10'59 | 19°27 | 24°21 | 5° 6 | 19°19 | 23°23 | 27°51 | 11° 3 | 6°17 | 6°34 | 24°28 | 25°27 | 0°11 | 2°41 | S 19 |
| S 20 | 12 12 52 | 5° 9'56 | 1♊18 | 26°17 | 6°19 | 20° 5 | 23°15 | 27°46 | 11° 1 | 6°15 | 6°35 | 24°24 | 25°24 | 0°18 | 2°43 | S 20 |
| M21 | 12 16 49 | 6° 8'50 | 13°13 | 28°13 | 7°32 | 20°51 | 23° 8 | 27°41 | 10°58 | 6°13 | 6°37 | 24°22 | 25°21 | 0°25 | 2°46 | M21 |
| T 22 | 12 20 45 | 7° 7'42 | 25°19 | 0♈11 | 8°45 | 21°38 | 23° 1 | 27°37 | 10°56 | 6°12 | 6°38 | 24°D21 | 25°18 | 0°32 | 2°49 | T 22 |
| W23 | 12 24 42 | 8° 6'32 | 7♋41 | 2°11 | 9°58 | 22°24 | 22°53 | 27°32 | 10°54 | 6°10 | 6°39 | 24°R21 | 25°14 | 0°38 | 2°52 | W23 |
| T 24 | 12 28 38 | 9° 5'19 | 20°23 | 4°12 | 11°11 | 23°11 | 22°46 | 27°28 | 10°52 | 6° 8 | 6°40 | 24°21 | 25°11 | 0°45 | 2°54 | T 24 |
| F 25 | 12 32 35 | 10° 4'04 | 3♌31 | 6°14 | 12°24 | 23°57 | 22°39 | 27°23 | 10°49 | 6° 7 | 6°41 | 24°19 | 25° 8 | 0°52 | 2°57 | F 25 |
| S 26 | 12 36 32 | 11° 2'47 | 17° 7 | 8°17 | 13°37 | 24°43 | 22°32 | 27°19 | 10°47 | 6° 5 | 6°43 | 24°14 | 25° 5 | 0°58 | 3° 0 | S 26 |
| S 27 | 12 40 28 | 12° 1'27 | 1♍14 | 10°21 | 14°50 | 25°30 | 22°25 | 27°14 | 10°45 | 6° 4 | 6°44 | 24° 8 | 25° 2 | 1° 5 | 3° 2 | S 27 |
| M28 | 12 44 25 | 13° 0'05 | 15°48 | 12°26 | 16° 3 | 26°16 | 22°18 | 27°10 | 10°43 | 6° 2 | 6°45 | 23°59 | 24°59 | 1°12 | 3° 5 | M28 |
| T 29 | 12 48 21 | 13°58'41 | 0♎46 | 14°33 | 17°16 | 27° 2 | 22°11 | 27° 6 | 10°41 | 6° 0 | 6°46 | 23°49 | 24°55 | 1°18 | 3° 7 | T 29 |
| W30 | 12 52 18 | 14°57'15 | 15°59 | 16°39 | 18°29 | 27°48 | 22° 5 | 27° 1 | 10°39 | 5°59 | 6°48 | 23°39 | 24°52 | 1°25 | 3° 9 | W30 |
| T 31 | 12 56 14 | 15♈55'47 | 1♏15 | 18♈47 | 19♓42 | 28♓34 | 21♍58 | 26♍57 | 10♍37 | 5♎57 | 6♉49 | 23♊30 | 24♊49 | 1♉32 | 3♒12 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s23 | 7n34 | 5n 0 | 15s36 | 2s 3 | 17s25 | 0s31 | 10s36 | 1s 4 | 3n14 | 1n38 | 2n45 | 2n40 | 7n55 | 0n49 | 1s 7 | 1n43 | 0s31 | 15s 0 | 23n31 | 23n30 | 6n47 | 13s53 | 6n 9 |
| W 2 | 5 0 | 1 31 | 4 55 | 15 8 | 2 7 | 17 7 | 0 34 | 10 19 | 1 3 | 3 17 | 1 38 | 2 47 | 2 40 | 7 56 | 0 49 | 1 7 | 1 43 | 0 31 | 15 0 | 23 30 | 23 30 | 6 50 | 13 52 | 6 9 |
| T 3 | 4 37 | 4s38 | 4 30 | 14 40 | 2 10 | 16 48 | 0 36 | 10 1 | 1 3 | 3 20 | 1 38 | 2 49 | 2 40 | 7 57 | 0 49 | 1 6 | 1 43 | 0 30 | 15 0 | 23 30 | 23 30 | 6 53 | 13 51 | 6 9 |
| F 4 | 4 13 | 10 27 | 3 47 | 14 10 | 2 12 | 16 29 | 0 39 | 9 44 | 1 3 | 3 23 | 1 38 | 2 51 | 2 40 | 7 58 | 0 49 | 1 5 | 1 43 | 0 29 | 14 59 | 23 30 | 23 30 | 6 56 | 13 50 | 6 10 |
| S 5 | 3 50 | 15 36 | 2 50 | 13 38 | 2 14 | 16 9 | 0 42 | 9 26 | 1 3 | 3 26 | 1 39 | 2 53 | 2 40 | 7 59 | 0 49 | 1 5 | 1 43 | 0 29 | 14 59 | 23 30 | 23 30 | 6 58 | 13 49 | 6 10 |
| S 6 | 3 26 | 19 45 | 1 43 | 13 6 | 2 16 | 15 49 | 0 44 | 9 8 | 1 3 | 3 29 | 1 39 | 2 54 | 2 40 | 8 0 | 0 49 | 1 4 | 1 43 | 0 28 | 14 59 | 23 30 | 23 30 | 7 1 | 13 48 | 6 10 |
| M 7 | 3 3 | 22 39 | 0 32 | 12 31 | 2 17 | 15 28 | 0 47 | 8 50 | 1 3 | 3 32 | 1 39 | 2 56 | 2 40 | 8 1 | 0 49 | 1 3 | 1 43 | 0 28 | 14 59 | 23 30 | 23 30 | 7 4 | 13 47 | 6 11 |
| T 8 | 2 39 | 24 9 | 0s39 | 11 56 | 2 18 | 15 7 | 0 49 | 8 32 | 1 2 | 3 35 | 1 39 | 2 58 | 2 40 | 8 2 | 0 49 | 1 3 | 1 43 | 0 27 | 14 58 | 23 30 | 23 30 | 7 7 | 13 46 | 6 11 |
| W 9 | 2 16 | 24 15 | 1 47 | 11 19 | 2 18 | 14 45 | 0 52 | 8 14 | 1 2 | 3 38 | 1 39 | 3 0 | 2 40 | 8 3 | 0 49 | 1 2 | 1 43 | 0 27 | 14 58 | 23 30 | 23 29 | 7 10 | 13 45 | 6 11 |
| T 10 | 1 52 | 23 1 | 2 48 | 10 41 | 2 18 | 14 23 | 0 54 | 7 56 | 1 2 | 3 41 | 1 39 | 3 2 | 2 40 | 8 4 | 0 49 | 1 1 | 1 43 | 0 26 | 14 58 | 23 30 | 23 29 | 7 12 | 13 43 | 6 12 |
| F 11 | 1 29 | 20 36 | 3 39 | 10 1 | 2 17 | 14 1 | 0 57 | 7 37 | 1 2 | 3 45 | 1 39 | 3 4 | 2 40 | 8 5 | 0 49 | 1 1 | 1 43 | 0 26 | 14 58 | 23 30 | 23 29 | 7 15 | 13 42 | 6 12 |
| S 12 | 1 5 | 17 15 | 4 18 | 9 21 | 2 16 | 13 38 | 0 59 | 7 19 | 1 1 | 3 48 | 1 39 | 3 6 | 2 40 | 8 6 | 0 49 | 1 0 | 1 43 | 0 25 | 14 57 | 23 29 | 23 29 | 7 18 | 13 41 | 6 12 |
| S 13 | 0 41 | 13 11 | 4 45 | 8 38 | 2 14 | 13 15 | 1 1 | 7 1 | 1 1 | 3 51 | 1 39 | 3 8 | 2 40 | 8 7 | 0 49 | 1 0 | 1 43 | 0 25 | 14 57 | 23 29 | 23 29 | 7 21 | 13 40 | 6 13 |
| M14 | 0 18 | 8 38 | 4 58 | 7 55 | 2 12 | 12 52 | 1 3 | 6 42 | 1 1 | 3 54 | 1 39 | 3 10 | 2 41 | 8 8 | 0 49 | 0 59 | 1 43 | 0 24 | 14 57 | 23 28 | 23 29 | 7 24 | 13 39 | 6 13 |
| T 15 | 0n 6 | 3 47 | 4 57 | 7 10 | 2 9 | 12 28 | 1 5 | 6 24 | 1 1 | 3 57 | 1 39 | 3 11 | 2 41 | 8 9 | 0 49 | 0 58 | 1 43 | 0 23 | 14 57 | 23 28 | 23 29 | 7 27 | 13 38 | 6 13 |
| W16 | 0 30 | 1n 9 | 4 44 | 6 24 | 2 6 | 12 4 | 1 7 | 6 6 | 1 0 | 4 0 | 1 39 | 3 13 | 2 41 | 8 10 | 0 49 | 0 58 | 1 43 | 0 23 | 14 57 | 23 27 | 23 29 | 7 29 | 13 37 | 6 14 |
| T 17 | 0 53 | 6 1 | 4 17 | 5 37 | 2 2 | 11 39 | 1 9 | 5 47 | 1 0 | 4 3 | 1 39 | 3 15 | 2 41 | 8 11 | 0 49 | 0 57 | 1 43 | 0 22 | 14 56 | 23 27 | 23 29 | 7 32 | 13 36 | 6 14 |
| F 18 | 1 17 | 10 39 | 3 40 | 4 49 | 1 58 | 11 14 | 1 11 | 5 29 | 1 0 | 4 6 | 1 39 | 3 17 | 2 41 | 8 11 | 0 49 | 0 56 | 1 43 | 0 22 | 14 56 | 23 27 | 23 29 | 7 35 | 13 35 | 6 15 |
| S 19 | 1 40 | 14 54 | 2 53 | 3 59 | 1 53 | 10 49 | 1 13 | 5 10 | 1 0 | 4 9 | 1 39 | 3 19 | 2 41 | 8 12 | 0 49 | 0 56 | 1 43 | 0 21 | 14 56 | 23 26 | 23 28 | 7 38 | 13 34 | 6 15 |
| S 20 | 2 4 | 18 35 | 1 59 | 3 8 | 1 48 | 10 24 | 1 15 | 4 51 | 0 59 | 4 12 | 1 39 | 3 21 | 2 41 | 8 13 | 0 49 | 0 55 | 1 43 | 0 21 | 14 56 | 23 26 | 23 28 | 7 41 | 13 33 | 6 15 |
| M21 | 2 27 | 21 31 | 0 59 | 2 16 | 1 42 | 9 58 | 1 16 | 4 33 | 0 59 | 4 15 | 1 38 | 3 23 | 2 41 | 8 14 | 0 49 | 0 54 | 1 43 | 0 20 | 14 56 | 23 26 | 23 28 | 7 43 | 13 32 | 6 16 |
| T 22 | 2 51 | 23 33 | 0n 5 | 1 23 | 1 36 | 9 32 | 1 18 | 4 14 | 0 59 | 4 18 | 1 38 | 3 24 | 2 41 | 8 15 | 0 49 | 0 54 | 1 43 | 0 20 | 14 55 | 23 26 | 23 28 | 7 46 | 13 31 | 6 16 |
| W23 | 3 14 | 24 30 | 1 10 | 0 29 | 1 29 | 9 6 | 1 20 | 3 55 | 0 59 | 4 20 | 1 38 | 3 26 | 2 41 | 8 16 | 0 49 | 0 53 | 1 43 | 0 19 | 14 55 | 23 26 | 23 28 | 7 49 | 13 30 | 6 16 |
| T 24 | 3 37 | 24 12 | 2 13 | 0n26 | 1 22 | 8 39 | 1 21 | 3 37 | 0 58 | 4 23 | 1 38 | 3 28 | 2 41 | 8 17 | 0 49 | 0 52 | 1 43 | 0 19 | 14 55 | 23 26 | 23 28 | 7 52 | 13 29 | 6 17 |
| F 25 | 4 0 | 22 34 | 3 12 | 1 21 | 1 14 | 8 13 | 1 22 | 3 18 | 0 58 | 4 26 | 1 38 | 3 30 | 2 40 | 8 17 | 0 49 | 0 52 | 1 43 | 0 18 | 14 55 | 23 26 | 23 28 | 7 55 | 13 28 | 6 17 |
| S 26 | 4 23 | 19 37 | 4 2 | 2 18 | 1 6 | 7 46 | 1 24 | 2 59 | 0 58 | 4 29 | 1 38 | 3 31 | 2 40 | 8 18 | 0 49 | 0 51 | 1 43 | 0 18 | 14 55 | 23 26 | 23 28 | 7 57 | 13 27 | 6 18 |
| S 27 | 4 47 | 15 25 | 4 39 | 3 15 | 0 57 | 7 18 | 1 25 | 2 41 | 0 57 | 4 31 | 1 38 | 3 33 | 2 40 | 8 19 | 0 49 | 0 50 | 1 43 | 0 17 | 14 55 | 23 25 | 23 28 | 8 0 | 13 26 | 6 18 |
| M28 | 5 9 | 10 13 | 4 59 | 4 12 | 0 48 | 6 51 | 1 26 | 2 22 | 0 57 | 4 34 | 1 38 | 3 35 | 2 40 | 8 20 | 0 48 | 0 50 | 1 43 | 0 16 | 14 54 | 23 25 | 23 27 | 8 3 | 13 25 | 6 18 |
| T 29 | 5 32 | 4 16 | 5 0 | 5 10 | 0 38 | 6 24 | 1 27 | 2 3 | 0 57 | 4 37 | 1 38 | 3 37 | 2 40 | 8 21 | 0 48 | 0 49 | 1 43 | 0 16 | 14 54 | 23 24 | 23 27 | 8 6 | 13 24 | 6 19 |
| W30 | 5 55 | 2s 1 | 4 40 | 6 9 | 0 28 | 5 56 | 1 28 | 1 44 | 0 56 | 4 39 | 1 38 | 3 38 | 2 40 | 8 21 | 0 48 | 0 48 | 1 43 | 0 15 | 14 54 | 23 24 | 23 27 | 8 8 | 13 23 | 6 19 |
| T 31 | 6n18 | 8s13 | 4n 0 | 7n 7 | 0s18 | 5s28 | 1s29 | 1s26 | 0s56 | 4n42 | 1n38 | 3n40 | 2n40 | 8n22 | 0n48 | 0s48 | 1n43 | 0s15 | 14s54 | 23n24 | 23n27 | 8n11 | 13s23 | 6n20 |

Julian Day Number = 2132753.5, Delta T = 16m20s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'18, Lahiri = 11°41'18 Julian Calendar 1 March 1127 == Greg. Calendar 8 March 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## APRIL 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 0 11 | 16♈54'17 | 16♏24 | 20♈54 | 20♓55 | 29♓20 | 21°R52 | 26°R53 | 10°R35 | 5°R55 | 6♉50 | 23°R23 | 24♊46 | 1♉38 | 3♒14 | F 1 |
| S 2 | 13 4 7 | 17°52'46 | 1♐17 | 23° 2 | 22° 8 | 0♈ 6 | 21♍45 | 26♍49 | 10♍33 | 5♎54 | 6°51 | 23♊19 | 24°43 | 1°45 | 3°16 | S 2 |
| S 3 | 13 8 4 | 18°51'12 | 15°47 | 25° 9 | 23°21 | 0°52 | 21°39 | 26°44 | 10°31 | 5°52 | 6°53 | 23°17 | 24°40 | 1°52 | 3°18 | S 3 |
| M 4 | 13 12 1 | 19°49'37 | 29°51 | 27°16 | 24°34 | 1°38 | 21°33 | 26°40 | 10°30 | 5°51 | 6°54 | 23°D17 | 24°36 | 1°59 | 3°20 | M 4 |
| T 5 | 13 15 57 | 20°48'01 | 13♑30 | 29°21 | 25°48 | 2°24 | 21°27 | 26°36 | 10°28 | 5°49 | 6°55 | 23°17 | 24°33 | 2° 5 | 3°22 | T 5 |
| W 6 | 13 19 54 | 21°46'23 | 26°45 | 1♉26 | 27° 1 | 3°10 | 21°21 | 26°32 | 10°26 | 5°47 | 6°57 | 23°R18 | 24°30 | 2°12 | 3°24 | W 6 |
| T 7 | 13 23 50 | 22°44'43 | 9♒39 | 3°29 | 28°14 | 3°56 | 21°15 | 26°28 | 10°24 | 5°46 | 6°58 | 23°16 | 24°27 | 2°19 | 3°26 | T 7 |
| F 8 | 13 27 47 | 23°43'02 | 22°15 | 5°30 | 29°27 | 4°41 | 21°10 | 26°25 | 10°23 | 5°44 | 6°59 | 23°12 | 24°24 | 2°25 | 3°27 | F 8 |
| S 9 | 13 31 43 | 24°41'19 | 4♓38 | 7°30 | 0♈40 | 5°27 | 21° 4 | 26°21 | 10°21 | 5°43 | 7° 1 | 23° 6 | 24°20 | 2°32 | 3°29 | S 9 |
| S 10 | 13 35 40 | 25°39'34 | 16°51 | 9°26 | 1°53 | 6°13 | 20°59 | 26°17 | 10°19 | 5°41 | 7° 2 | 22°58 | 24°17 | 2°39 | 3°31 | S 10 |
| M11 | 13 39 36 | 26°37'48 | 28°55 | 11°21 | 3° 6 | 6°58 | 20°54 | 26°13 | 10°18 | 5°40 | 7° 3 | 22°48 | 24°14 | 2°45 | 3°32 | M11 |
| T 12 | 13 43 33 | 27°36'00 | 10♈53 | 13°12 | 4°19 | 7°44 | 20°49 | 26°10 | 10°16 | 5°38 | 7° 5 | 22°38 | 24°11 | 2°52 | 3°34 | T 12 |
| W13 | 13 47 30 | 28°34'11 | 22°46 | 15° 0 | 5°33 | 8°29 | 20°44 | 26° 6 | 10°15 | 5°37 | 7° 6 | 22°27 | 24° 8 | 2°59 | 3°35 | W13 |
| T 14 | 13 51 26 | 29°32'19 | 4♉37 | 16°45 | 6°46 | 9°15 | 20°39 | 26° 3 | 10°13 | 5°35 | 7° 7 | 22°18 | 24° 5 | 3° 6 | 3°36 | T 14 |
| F 15 | 13 55 23 | 0♉30'26 | 16°26 | 18°27 | 7°59 | 10° 0 | 20°34 | 25°59 | 10°12 | 5°34 | 7° 9 | 22°10 | 24° 1 | 3°12 | 3°38 | F 15 |
| S 16 | 13 59 19 | 1°28'32 | 28°16 | 20° 5 | 9°12 | 10°46 | 20°30 | 25°56 | 10°11 | 5°32 | 7°10 | 22° 5 | 23°58 | 3°19 | 3°39 | S 16 |
| S 17 | 14 3 16 | 2°26'35 | 10♊10 | 21°39 | 10°25 | 11°31 | 20°26 | 25°52 | 10° 9 | 5°31 | 7°11 | 22° 2 | 23°55 | 3°26 | 3°40 | S 17 |
| M18 | 14 7 12 | 3°24'37 | 22° 9 | 23° 9 | 11°38 | 12°16 | 20°21 | 25°49 | 10° 8 | 5°30 | 7°13 | 22°D 1 | 23°52 | 3°32 | 3°41 | M18 |
| T 19 | 14 11 9 | 4°22'36 | 4♋18 | 24°36 | 12°52 | 13° 2 | 20°18 | 25°46 | 10° 7 | 5°28 | 7°14 | 22° 2 | 23°49 | 3°39 | 3°42 | T 19 |
| W20 | 14 15 5 | 5°20'34 | 16°41 | 25°59 | 14° 5 | 13°47 | 20°14 | 25°43 | 10° 6 | 5°27 | 7°15 | 22° 3 | 23°45 | 3°46 | 3°43 | W20 |
| T 21 | 14 19 2 | 6°18'30 | 29°23 | 27°17 | 15°18 | 14°32 | 20°10 | 25°40 | 10° 5 | 5°25 | 7°17 | 22° 4 | 23°42 | 3°52 | 3°44 | T 21 |
| F 22 | 14 22 59 | 7°16'25 | 12♌26 | 28°32 | 16°31 | 15°17 | 20° 7 | 25°37 | 10° 4 | 5°24 | 7°18 | 22°R 5 | 23°39 | 3°59 | 3°45 | F 22 |
| S 23 | 14 26 55 | 8°14'17 | 25°56 | 29°43 | 17°44 | 16° 2 | 20° 3 | 25°34 | 10° 3 | 5°23 | 7°19 | 22° 3 | 23°36 | 4° 6 | 3°46 | S 23 |
| S 24 | 14 30 52 | 9°12'07 | 9♍54 | 0♊49 | 18°57 | 16°47 | 20° 0 | 25°32 | 10° 2 | 5°21 | 7°21 | 22° 0 | 23°33 | 4°12 | 3°46 | S 24 |
| M25 | 14 34 48 | 10° 9'56 | 24°20 | 1°51 | 20°11 | 17°32 | 19°57 | 25°29 | 10° 1 | 5°20 | 7°22 | 21°55 | 23°30 | 4°19 | 3°47 | M25 |
| T 26 | 14 38 45 | 11° 7'43 | 9♎10 | 2°49 | 21°24 | 18°17 | 19°55 | 25°26 | 10° 0 | 5°19 | 7°24 | 21°49 | 23°26 | 4°26 | 3°47 | T 26 |
| W27 | 14 42 41 | 12° 5'28 | 24°17 | 3°42 | 22°37 | 19° 2 | 19°52 | 25°24 | 9°59 | 5°18 | 7°25 | 21°44 | 23°23 | 4°32 | 3°48 | W27 |
| T 28 | 14 46 38 | 13° 3'12 | 9♏33 | 4°31 | 23°50 | 19°46 | 19°50 | 25°22 | 9°58 | 5°16 | 7°26 | 21°38 | 23°20 | 4°39 | 3°48 | T 28 |
| F 29 | 14 50 34 | 14° 0'54 | 24°46 | 5°15 | 25° 3 | 20°31 | 19°47 | 25°19 | 9°58 | 5°15 | 7°28 | 21°35 | 23°17 | 4°46 | 3°49 | F 29 |
| S 30 | 14 54 31 | 14♉58'35 | 9♐47 | 5♊55 | 26♈17 | 21♈16 | 19♍45 | 25♍17 | 9♍57 | 5♎14 | 7♉29 | 21♊32 | 23♊14 | 4♉53 | 3♒49 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n40 | 13s54 | 3n 3 | 8n 5 | 0s 7 | 5s 0 | 1s30 | 1s 7 | 0s56 | 4n44 | 1n37 | 3n42 | 2n40 | 8n23 | 0n48 | 0s47 | 1n43 | 0s14 | 14s54 | 23n23 | 23n27 | 8n14 | 13s22 | 6n20 |
| S 2 | 7 3 | 18 39 | 1 54 | 9 3 | 0n 3 | 4 32 | 1 31 | 0 48 | 0 55 | 4 46 | 1 37 | 3 43 | 2 40 | 8 23 | 0 48 | 0 46 | 1 43 | 0 14 | 14 54 | 23 23 | 23 27 | 8 17 | 13 21 | 6 20 |
| S 3 | 7 25 | 22 8 | 0 40 | 10 0 | 0 14 | 4 3 | 1 32 | 0 29 | 0 55 | 4 49 | 1 37 | 3 45 | 2 40 | 8 24 | 0 48 | 0 46 | 1 43 | 0 13 | 14 54 | 23 23 | 23 27 | 8 20 | 13 20 | 6 21 |
| M 4 | 7 47 | 24 8 | 0s35 | 10 56 | 0 25 | 3 35 | 1 33 | 0 11 | 0 54 | 4 51 | 1 37 | 3 46 | 2 40 | 8 25 | 0 48 | 0 45 | 1 43 | 0 13 | 14 54 | 23 23 | 23 27 | 8 22 | 13 19 | 6 21 |
| T 5 | 8 9 | 24 37 | 1 46 | 11 51 | 0 36 | 3 6 | 1 33 | 0n 8 | 0 54 | 4 53 | 1 37 | 3 48 | 2 40 | 8 25 | 0 48 | 0 45 | 1 43 | 0 12 | 14 53 | 23 23 | 23 26 | 8 25 | 13 18 | 6 22 |
| W 6 | 8 31 | 23 40 | 2 49 | 12 45 | 0 47 | 2 38 | 1 34 | 0 27 | 0 54 | 4 56 | 1 37 | 3 49 | 2 40 | 8 26 | 0 48 | 0 44 | 1 43 | 0 12 | 14 53 | 23 23 | 23 26 | 8 28 | 13 17 | 6 22 |
| T 7 | 8 53 | 21 28 | 3 41 | 13 38 | 0 57 | 2 9 | 1 34 | 0 45 | 0 53 | 4 58 | 1 37 | 3 51 | 2 40 | 8 27 | 0 48 | 0 43 | 1 43 | 0 11 | 14 53 | 23 23 | 23 26 | 8 31 | 13 16 | 6 23 |
| F 8 | 9 15 | 18 17 | 4 22 | 14 29 | 1 8 | 1 40 | 1 35 | 1 4 | 0 53 | 5 0 | 1 36 | 3 52 | 2 39 | 8 27 | 0 48 | 0 43 | 1 43 | 0 11 | 14 53 | 23 23 | 23 26 | 8 34 | 13 16 | 6 23 |
| S 9 | 9 36 | 14 20 | 4 49 | 15 18 | 1 18 | 1 11 | 1 35 | 1 22 | 0 52 | 5 2 | 1 36 | 3 54 | 2 39 | 8 28 | 0 48 | 0 42 | 1 43 | 0 10 | 14 53 | 23 22 | 23 26 | 8 36 | 13 15 | 6 23 |
| S 10 | 9 58 | 9 52 | 5 3 | 16 5 | 1 28 | 0 42 | 1 35 | 1 41 | 0 52 | 5 4 | 1 36 | 3 55 | 2 39 | 8 28 | 0 48 | 0 42 | 1 43 | 0 10 | 14 53 | 23 22 | 23 26 | 8 39 | 13 14 | 6 24 |
| M11 | 10 19 | 5 4 | 5 3 | 16 50 | 1 37 | 0 13 | 1 35 | 1 59 | 0 52 | 5 6 | 1 36 | 3 56 | 2 39 | 8 29 | 0 48 | 0 41 | 1 43 | 0 9 | 14 53 | 23 21 | 23 26 | 8 42 | 13 13 | 6 24 |
| T 12 | 10 40 | 0 7 | 4 49 | 17 33 | 1 46 | 0n16 | 1 35 | 2 18 | 0 51 | 5 7 | 1 36 | 3 58 | 2 39 | 8 30 | 0 48 | 0 40 | 1 43 | 0 9 | 14 53 | 23 21 | 23 25 | 8 45 | 13 13 | 6 25 |
| W13 | 11 1 | 4n49 | 4 24 | 18 14 | 1 54 | 0 45 | 1 35 | 2 36 | 0 51 | 5 9 | 1 36 | 3 59 | 2 39 | 8 30 | 0 48 | 0 40 | 1 43 | 0 8 | 14 53 | 23 20 | 23 25 | 8 48 | 13 12 | 6 25 |
| T 14 | 11 22 | 9 34 | 3 46 | 18 51 | 2 1 | 1 14 | 1 35 | 2 55 | 0 50 | 5 11 | 1 35 | 4 0 | 2 39 | 8 31 | 0 48 | 0 39 | 1 43 | 0 8 | 14 53 | 23 20 | 23 25 | 8 50 | 13 11 | 6 26 |
| F 15 | 11 42 | 13 58 | 2 59 | 19 27 | 2 8 | 1 43 | 1 35 | 3 13 | 0 50 | 5 13 | 1 35 | 4 2 | 2 39 | 8 31 | 0 48 | 0 39 | 1 43 | 0 7 | 14 53 | 23 19 | 23 25 | 8 53 | 13 10 | 6 26 |
| S 16 | 12 3 | 17 51 | 2 4 | 20 0 | 2 14 | 2 12 | 1 35 | 3 31 | 0 50 | 5 14 | 1 35 | 4 3 | 2 38 | 8 32 | 0 48 | 0 38 | 1 43 | 0 7 | 14 53 | 23 19 | 23 25 | 8 56 | 13 10 | 6 27 |
| S 17 | 12 23 | 21 2 | 1 4 | 20 30 | 2 20 | 2 41 | 1 35 | 3 49 | 0 49 | 5 16 | 1 35 | 4 4 | 2 38 | 8 32 | 0 48 | 0 38 | 1 43 | 0 6 | 14 52 | 23 19 | 23 25 | 8 59 | 13 9 | 6 27 |
| M18 | 12 43 | 23 20 | 0n 1 | 20 58 | 2 24 | 3 10 | 1 35 | 4 8 | 0 49 | 5 17 | 1 35 | 4 5 | 2 38 | 8 32 | 0 48 | 0 37 | 1 43 | 0 6 | 14 52 | 23 19 | 23 25 | 9 1 | 13 8 | 6 28 |
| T 19 | 13 2 | 24 35 | 1 6 | 21 24 | 2 28 | 3 39 | 1 34 | 4 26 | 0 48 | 5 19 | 1 34 | 4 6 | 2 38 | 8 33 | 0 48 | 0 36 | 1 43 | 0 6 | 14 52 | 23 19 | 23 24 | 9 4 | 13 8 | 6 28 |
| W20 | 13 22 | 24 39 | 2 9 | 21 47 | 2 31 | 4 8 | 1 34 | 4 44 | 0 48 | 5 20 | 1 34 | 4 7 | 2 38 | 8 33 | 0 48 | 0 36 | 1 43 | 0 5 | 14 52 | 23 19 | 23 24 | 9 7 | 13 7 | 6 28 |
| T 21 | 13 41 | 23 27 | 3 8 | 22 7 | 2 33 | 4 37 | 1 33 | 5 2 | 0 47 | 5 21 | 1 34 | 4 8 | 2 38 | 8 34 | 0 48 | 0 35 | 1 43 | 0 5 | 14 52 | 23 19 | 23 24 | 9 10 | 13 6 | 6 29 |
| F 22 | 14 0 | 20 58 | 3 59 | 22 25 | 2 34 | 5 6 | 1 33 | 5 20 | 0 47 | 5 22 | 1 34 | 4 9 | 2 38 | 8 34 | 0 48 | 0 35 | 1 43 | 0 4 | 14 52 | 23 19 | 23 24 | 9 13 | 13 6 | 6 29 |
| S 23 | 14 19 | 17 17 | 4 38 | 22 41 | 2 34 | 5 35 | 1 32 | 5 38 | 0 46 | 5 23 | 1 34 | 4 10 | 2 37 | 8 34 | 0 48 | 0 34 | 1 43 | 0 4 | 14 52 | 23 19 | 23 24 | 9 15 | 13 5 | 6 30 |
| S 24 | 14 38 | 12 33 | 5 3 | 22 55 | 2 33 | 6 3 | 1 31 | 5 55 | 0 46 | 5 24 | 1 33 | 4 11 | 2 37 | 8 35 | 0 48 | 0 34 | 1 43 | 0 3 | 14 52 | 23 19 | 23 24 | 9 18 | 13 4 | 6 30 |
| M25 | 14 56 | 6 59 | 5 9 | 23 6 | 2 31 | 6 32 | 1 31 | 6 13 | 0 45 | 5 25 | 1 33 | 4 12 | 2 37 | 8 35 | 0 48 | 0 33 | 1 43 | 0 3 | 14 52 | 23 18 | 23 24 | 9 21 | 13 4 | 6 31 |
| T 26 | 15 14 | 0 53 | 4 56 | 23 15 | 2 28 | 7 0 | 1 30 | 6 31 | 0 45 | 5 26 | 1 33 | 4 13 | 2 37 | 8 35 | 0 48 | 0 33 | 1 43 | 0 2 | 14 52 | 23 18 | 23 23 | 9 24 | 13 3 | 6 31 |
| W27 | 15 32 | 5s24 | 4 21 | 23 22 | 2 25 | 7 28 | 1 29 | 6 48 | 0 44 | 5 27 | 1 33 | 4 14 | 2 37 | 8 36 | 0 47 | 0 32 | 1 43 | 0 2 | 14 52 | 23 18 | 23 23 | 9 26 | 13 3 | 6 32 |
| T 28 | 15 50 | 11 27 | 3 28 | 23 26 | 2 20 | 7 56 | 1 28 | 7 6 | 0 44 | 5 28 | 1 32 | 4 15 | 2 37 | 8 36 | 0 47 | 0 32 | 1 43 | 0 2 | 14 52 | 23 17 | 23 23 | 9 29 | 13 2 | 6 32 |
| F 29 | 16 7 | 16 47 | 2 20 | 23 29 | 2 14 | 8 24 | 1 27 | 7 23 | 0 43 | 5 28 | 1 32 | 4 15 | 2 36 | 8 36 | 0 47 | 0 32 | 1 43 | 0 1 | 14 52 | 23 17 | 23 23 | 9 32 | 13 2 | 6 33 |
| S 30 | 16n24 | 20s59 | 1n 4 | 23n29 | 2n 8 | 8n51 | 1s26 | 7n40 | 0s43 | 5n29 | 1n32 | 4n16 | 2n36 | 8n36 | 0n47 | 0s31 | 1n43 | 0s 1 | 14s52 | 23n17 | 23n23 | 9n35 | 13s 1 | 6n33 |

Julian Day Number = 2132784.5, Delta T = 16m20s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'22, Lahiri = 11°41'22 Julian Calendar 1 Apr. 1127 == Greg. Calendar 8 Apr. 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## MAY 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 58 28 | 15♉56'15 | 24♐28 | 6♊30 | 27♈30 | 22♈ 0 | 19°R44 | 25°R15 | 9°R56 | 5°R13 | 7♉30 | 21°D32 | 23♊11 | 4♉59 | 3♒49 | S 1 |
| M 2 | 15 2 24 | 16°53'53 | 8♑44 | 7° 1 | 28°43 | 22°45 | 19♍42 | 25♍13 | 9♍56 | 5♎12 | 7°32 | 21♊33 | 23° 7 | 5° 6 | 3°49 | M 2 |
| T 3 | 15 6 21 | 17°51'31 | 22°33 | 7°26 | 29°56 | 23°29 | 19°40 | 25°11 | 9°55 | 5°11 | 7°33 | 21°34 | 23° 4 | 5°13 | 3°R49 | T 3 |
| W 4 | 15 10 17 | 18°49'08 | 5♒55 | 7°47 | 1♉ 9 | 24°14 | 19°39 | 25° 9 | 9°55 | 5° 9 | 7°34 | 21°36 | 23° 1 | 5°19 | 3°49 | W 4 |
| T 5 | 15 14 14 | 19°46'43 | 18°53 | 8° 4 | 2°23 | 24°58 | 19°38 | 25° 7 | 9°55 | 5° 8 | 7°36 | 21°R36 | 22°58 | 5°26 | 3°49 | T 5 |
| F 6 | 15 18 10 | 20°44'18 | 1♓30 | 8°15 | 3°36 | 25°43 | 19°37 | 25° 6 | 9°54 | 5° 7 | 7°37 | 21°36 | 22°55 | 5°33 | 3°49 | F 6 |
| S 7 | 15 22 7 | 21°41'51 | 13°50 | 8°22 | 4°49 | 26°27 | 19°36 | 25° 4 | 9°54 | 5° 6 | 7°38 | 21°34 | 22°51 | 5°39 | 3°49 | S 7 |
| S 8 | 15 26 3 | 22°39'24 | 25°58 | 8°R24 | 6° 2 | 27°11 | 19°35 | 25° 3 | 9°54 | 5° 5 | 7°40 | 21°31 | 22°48 | 5°46 | 3°48 | S 8 |
| M 9 | 15 30 0 | 23°36'56 | 7♈56 | 8°21 | 7°16 | 27°55 | 19°35 | 25° 1 | 9°53 | 5° 4 | 7°41 | 21°27 | 22°45 | 5°53 | 3°48 | M 9 |
| T 10 | 15 33 57 | 24°34'26 | 19°49 | 8°14 | 8°29 | 28°40 | 19°35 | 25° 0 | 9°53 | 5° 3 | 7°42 | 21°22 | 22°42 | 5°59 | 3°48 | T 10 |
| W11 | 15 37 53 | 25°31'56 | 1♉39 | 8° 3 | 9°42 | 29°24 | 19°D35 | 24°59 | 9°53 | 5° 2 | 7°44 | 21°18 | 22°39 | 6° 6 | 3°47 | W11 |
| T 12 | 15 41 50 | 26°29'25 | 13°28 | 7°48 | 10°55 | 0♉ 8 | 19°35 | 24°58 | 9°D53 | 5° 2 | 7°45 | 21°14 | 22°36 | 6°13 | 3°47 | T 12 |
| F 13 | 15 45 46 | 27°26'53 | 25°20 | 7°29 | 12° 9 | 0°52 | 19°35 | 24°57 | 9°53 | 5° 1 | 7°46 | 21°11 | 22°32 | 6°19 | 3°46 | F 13 |
| S 14 | 15 49 43 | 28°24'20 | 7♊15 | 7° 6 | 13°22 | 1°36 | 19°36 | 24°56 | 9°53 | 5° 0 | 7°47 | 21° 9 | 22°29 | 6°26 | 3°45 | S 14 |
| S 15 | 15 53 39 | 29°21'46 | 19°16 | 6°41 | 14°35 | 2°19 | 19°36 | 24°55 | 9°53 | 4°59 | 7°49 | 21°D 8 | 22°26 | 6°33 | 3°44 | S 15 |
| M16 | 15 57 36 | 0♊19'10 | 1♋25 | 6°13 | 15°49 | 3° 3 | 19°37 | 24°55 | 9°54 | 4°58 | 7°50 | 21° 8 | 22°23 | 6°40 | 3°44 | M16 |
| T 17 | 16 1 32 | 1°16'34 | 13°44 | 5°42 | 17° 2 | 3°47 | 19°38 | 24°54 | 9°54 | 4°58 | 7°51 | 21° 9 | 22°20 | 6°46 | 3°43 | T 17 |
| W18 | 16 5 29 | 2°13'57 | 26°16 | 5°10 | 18°15 | 4°31 | 19°39 | 24°54 | 9°54 | 4°57 | 7°53 | 21°11 | 22°17 | 6°53 | 3°42 | W18 |
| T 19 | 16 9 26 | 3°11'19 | 9♌ 4 | 4°37 | 19°29 | 5°14 | 19°41 | 24°53 | 9°55 | 4°56 | 7°54 | 21°12 | 22°13 | 7° 0 | 3°41 | T 19 |
| F 20 | 16 13 22 | 4° 8'39 | 22°11 | 4° 4 | 20°42 | 5°58 | 19°42 | 24°53 | 9°55 | 4°55 | 7°55 | 21°13 | 22°10 | 7° 6 | 3°40 | F 20 |
| S 21 | 16 17 19 | 5° 5'59 | 5♍38 | 3°30 | 21°55 | 6°41 | 19°44 | 24°53 | 9°55 | 4°55 | 7°56 | 21°R13 | 22° 7 | 7°13 | 3°39 | S 21 |
| S 22 | 16 21 15 | 6° 3'17 | 19°28 | 2°57 | 23° 9 | 7°25 | 19°46 | 24°D53 | 9°56 | 4°54 | 7°57 | 21°13 | 22° 4 | 7°20 | 3°37 | S 22 |
| M23 | 16 25 12 | 7° 0'34 | 3♎41 | 2°26 | 24°22 | 8° 8 | 19°48 | 24°53 | 9°57 | 4°54 | 7°59 | 21°12 | 22° 1 | 7°26 | 3°36 | M23 |
| T 24 | 16 29 8 | 7°57'50 | 18°15 | 1°56 | 25°35 | 8°52 | 19°50 | 24°53 | 9°57 | 4°53 | 8° 0 | 21°11 | 21°57 | 7°33 | 3°35 | T 24 |
| W25 | 16 33 5 | 8°55'06 | 3♏ 5 | 1°28 | 26°49 | 9°35 | 19°53 | 24°53 | 9°58 | 4°53 | 8° 1 | 21° 9 | 21°54 | 7°40 | 3°33 | W25 |
| T 26 | 16 37 1 | 9°52'20 | 18° 5 | 1° 3 | 28° 2 | 10°18 | 19°55 | 24°53 | 9°59 | 4°52 | 8° 2 | 21° 8 | 21°51 | 7°46 | 3°32 | T 26 |
| F 27 | 16 40 58 | 10°49'34 | 3♐ 6 | 0°41 | 29°15 | 11° 1 | 19°58 | 24°54 | 9°59 | 4°52 | 8° 3 | 21° 7 | 21°48 | 7°53 | 3°30 | F 27 |
| S 28 | 16 44 55 | 11°46'47 | 18° 1 | 0°23 | 0♊29 | 11°44 | 20° 1 | 24°54 | 10° 0 | 4°51 | 8° 5 | 21°D 7 | 21°45 | 8° 0 | 3°29 | S 28 |
| S 29 | 16 48 51 | 12°44'00 | 2♑41 | 0° 8 | 1°42 | 12°27 | 20° 4 | 24°55 | 10° 1 | 4°51 | 8° 6 | 21° 7 | 21°42 | 8° 6 | 3°27 | S 29 |
| M30 | 16 52 48 | 13°41'13 | 17° 0 | 29♉58 | 2°56 | 13°10 | 20° 7 | 24°56 | 10° 2 | 4°50 | 8° 7 | 21° 7 | 21°38 | 8°13 | 3°25 | M30 |
| T 31 | 16 56 44 | 14♊38'25 | 0♒54 | 29♉52 | 4♊ 9 | 13♉53 | 20♍11 | 24♍56 | 10♍ 3 | 4♎50 | 8♉ 8 | 21♊ 8 | 21♊35 | 8♉20 | 3♒24 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n41 | 23s42 | 0s16 | 23n28 | 2n 0 | 9n19 | 1s25 | 7n58 | 0s42 | 5n29 | 1n32 | 4n17 | 2n36 | 8n36 | 0n47 | 0s31 | 1n43 | 0s 0 | 14s52 | 23n17 | 23n23 | 9n38 | 13s 1 | 6n33 |
| M 2 | 16 58 | 24 48 | 1 33 | 23 25 | 1 51 | 9 46 | 1 23 | 8 15 | 0 42 | 5 30 | 1 31 | 4 17 | 2 36 | 8 37 | 0 47 | 0 30 | 1 43 | 0 0 | 14 52 | 23 17 | 23 22 | 9 40 | 13 0 | 6 34 |
| T 3 | 17 14 | 24 18 | 2 41 | 23 20 | 1 42 | 10 13 | 1 22 | 8 32 | 0 41 | 5 30 | 1 31 | 4 18 | 2 36 | 8 37 | 0 47 | 0 30 | 1 43 | 0n 0 | 14 52 | 23 17 | 23 22 | 9 43 | 13 0 | 6 34 |
| W 4 | 17 30 | 22 25 | 3 39 | 23 13 | 1 31 | 10 40 | 1 21 | 8 49 | 0 41 | 5 31 | 1 31 | 4 19 | 2 35 | 8 37 | 0 47 | 0 29 | 1 43 | 0 1 | 14 52 | 23 17 | 23 22 | 9 46 | 12 59 | 6 35 |
| T 5 | 17 46 | 19 24 | 4 23 | 23 4 | 1 20 | 11 7 | 1 19 | 9 5 | 0 40 | 5 31 | 1 31 | 4 19 | 2 35 | 8 37 | 0 47 | 0 29 | 1 43 | 0 1 | 14 52 | 23 17 | 23 22 | 9 49 | 12 59 | 6 35 |
| F 6 | 18 1 | 15 34 | 4 54 | 22 53 | 1 7 | 11 33 | 1 18 | 9 22 | 0 40 | 5 31 | 1 30 | 4 20 | 2 35 | 8 37 | 0 47 | 0 29 | 1 42 | 0 1 | 14 52 | 23 17 | 23 22 | 9 51 | 12 58 | 6 36 |
| S 7 | 18 16 | 11 9 | 5 10 | 22 41 | 0 54 | 11 59 | 1 17 | 9 39 | 0 39 | 5 31 | 1 30 | 4 20 | 2 35 | 8 37 | 0 47 | 0 28 | 1 42 | 0 2 | 14 52 | 23 17 | 23 22 | 9 54 | 12 58 | 6 36 |
| S 8 | 18 31 | 6 23 | 5 12 | 22 28 | 0 40 | 12 25 | 1 15 | 9 55 | 0 39 | 5 31 | 1 30 | 4 20 | 2 35 | 8 37 | 0 47 | 0 28 | 1 42 | 0 2 | 14 53 | 23 17 | 23 21 | 9 57 | 12 58 | 6 37 |
| M 9 | 18 46 | 1 26 | 5 0 | 22 13 | 0 25 | 12 51 | 1 13 | 10 12 | 0 38 | 5 31 | 1 30 | 4 21 | 2 34 | 8 37 | 0 47 | 0 28 | 1 42 | 0 3 | 14 53 | 23 17 | 23 21 | 10 0 | 12 57 | 6 37 |
| T 10 | 19 0 | 3n32 | 4 35 | 21 56 | 0 9 | 13 16 | 1 12 | 10 28 | 0 37 | 5 31 | 1 29 | 4 21 | 2 34 | 8 37 | 0 47 | 0 27 | 1 42 | 0 3 | 14 53 | 23 16 | 23 21 | 10 3 | 12 57 | 6 37 |
| W11 | 19 14 | 8 22 | 3 59 | 21 38 | 0s 7 | 13 41 | 1 10 | 10 44 | 0 37 | 5 31 | 1 29 | 4 21 | 2 34 | 8 37 | 0 47 | 0 27 | 1 42 | 0 3 | 14 53 | 23 16 | 23 21 | 10 5 | 12 57 | 6 38 |
| T 12 | 19 28 | 12 54 | 3 12 | 21 19 | 0 24 | 14 5 | 1 8 | 11 0 | 0 36 | 5 30 | 1 29 | 4 22 | 2 34 | 8 37 | 0 47 | 0 27 | 1 42 | 0 4 | 14 53 | 23 16 | 23 21 | 10 8 | 12 56 | 6 38 |
| F 13 | 19 41 | 16 58 | 2 17 | 21 0 | 0 41 | 14 30 | 1 7 | 11 16 | 0 36 | 5 30 | 1 29 | 4 22 | 2 33 | 8 37 | 0 47 | 0 26 | 1 42 | 0 4 | 14 53 | 23 15 | 23 20 | 10 11 | 12 56 | 6 39 |
| S 14 | 19 54 | 20 23 | 1 16 | 20 39 | 0 58 | 14 54 | 1 5 | 11 32 | 0 35 | 5 30 | 1 28 | 4 22 | 2 33 | 8 37 | 0 47 | 0 26 | 1 42 | 0 4 | 14 53 | 23 15 | 23 20 | 10 14 | 12 56 | 6 39 |
| S 15 | 20 7 | 22 57 | 0 10 | 20 18 | 1 15 | 15 17 | 1 3 | 11 48 | 0 35 | 5 29 | 1 28 | 4 22 | 2 33 | 8 37 | 0 47 | 0 26 | 1 42 | 0 5 | 14 53 | 23 15 | 23 20 | 10 16 | 12 56 | 6 40 |
| M16 | 20 19 | 24 29 | 0n56 | 19 56 | 1 32 | 15 41 | 1 1 | 12 3 | 0 34 | 5 29 | 1 28 | 4 22 | 2 33 | 8 37 | 0 47 | 0 25 | 1 42 | 0 5 | 14 53 | 23 15 | 23 20 | 10 19 | 12 55 | 6 40 |
| T 17 | 20 31 | 24 51 | 2 2 | 19 34 | 1 49 | 16 3 | 0 59 | 12 19 | 0 33 | 5 28 | 1 28 | 4 22 | 2 33 | 8 37 | 0 47 | 0 25 | 1 42 | 0 5 | 14 53 | 23 15 | 23 20 | 10 22 | 12 55 | 6 40 |
| W18 | 20 42 | 23 58 | 3 2 | 19 12 | 2 6 | 16 26 | 0 57 | 12 34 | 0 33 | 5 27 | 1 27 | 4 22 | 2 32 | 8 37 | 0 47 | 0 25 | 1 42 | 0 5 | 14 53 | 23 15 | 23 20 | 10 25 | 12 55 | 6 41 |
| T 19 | 20 54 | 21 51 | 3 55 | 18 50 | 2 22 | 16 48 | 0 55 | 12 49 | 0 32 | 5 26 | 1 27 | 4 22 | 2 32 | 8 36 | 0 47 | 0 25 | 1 42 | 0 6 | 14 53 | 23 16 | 23 19 | 10 27 | 12 55 | 6 41 |
| F 20 | 21 5 | 18 32 | 4 37 | 18 28 | 2 38 | 17 9 | 0 53 | 13 5 | 0 32 | 5 26 | 1 27 | 4 22 | 2 32 | 8 36 | 0 47 | 0 24 | 1 42 | 0 6 | 14 53 | 23 16 | 23 19 | 10 30 | 12 55 | 6 42 |
| S 21 | 21 15 | 14 12 | 5 5 | 18 8 | 2 53 | 17 31 | 0 51 | 13 20 | 0 31 | 5 25 | 1 27 | 4 22 | 2 32 | 8 36 | 0 46 | 0 24 | 1 42 | 0 6 | 14 54 | 23 16 | 23 19 | 10 33 | 12 55 | 6 42 |
| S 22 | 21 25 | 9 1 | 5 16 | 17 48 | 3 6 | 17 51 | 0 49 | 13 34 | 0 30 | 5 24 | 1 26 | 4 22 | 2 31 | 8 36 | 0 46 | 0 24 | 1 42 | 0 7 | 14 54 | 23 16 | 23 19 | 10 36 | 12 54 | 6 43 |
| M23 | 21 35 | 3 15 | 5 9 | 17 29 | 3 19 | 18 12 | 0 47 | 13 49 | 0 30 | 5 23 | 1 26 | 4 21 | 2 31 | 8 36 | 0 46 | 0 24 | 1 42 | 0 7 | 14 54 | 23 16 | 23 19 | 10 38 | 12 54 | 6 43 |
| T 24 | 21 44 | 2s51 | 4 42 | 17 12 | 3 31 | 18 31 | 0 45 | 14 4 | 0 29 | 5 22 | 1 26 | 4 21 | 2 31 | 8 35 | 0 46 | 0 24 | 1 42 | 0 7 | 14 54 | 23 15 | 23 18 | 10 41 | 12 54 | 6 43 |
| W25 | 21 53 | 8 54 | 3 56 | 16 57 | 3 41 | 18 51 | 0 43 | 14 18 | 0 29 | 5 20 | 1 26 | 4 21 | 2 31 | 8 35 | 0 46 | 0 24 | 1 42 | 0 7 | 14 54 | 23 15 | 23 18 | 10 44 | 12 54 | 6 44 |
| T 26 | 22 2 | 14 32 | 2 53 | 16 43 | 3 50 | 19 10 | 0 40 | 14 32 | 0 28 | 5 19 | 1 25 | 4 20 | 2 31 | 8 35 | 0 46 | 0 23 | 1 42 | 0 7 | 14 54 | 23 15 | 23 18 | 10 47 | 12 54 | 6 44 |
| F 27 | 22 10 | 19 16 | 1 38 | 16 31 | 3 58 | 19 28 | 0 38 | 14 46 | 0 27 | 5 18 | 1 25 | 4 20 | 2 30 | 8 34 | 0 46 | 0 23 | 1 42 | 0 8 | 14 54 | 23 15 | 23 18 | 10 49 | 12 54 | 6 45 |
| S 28 | 22 18 | 22 43 | 0 17 | 16 21 | 4 4 | 19 46 | 0 36 | 15 0 | 0 27 | 5 16 | 1 25 | 4 20 | 2 30 | 8 34 | 0 46 | 0 23 | 1 42 | 0 8 | 14 54 | 23 15 | 23 18 | 10 52 | 12 54 | 6 45 |
| S 29 | 22 26 | 24 35 | 1s 4 | 16 13 | 4 10 | 20 3 | 0 34 | 15 14 | 0 26 | 5 15 | 1 25 | 4 19 | 2 30 | 8 34 | 0 46 | 0 23 | 1 41 | 0 8 | 14 55 | 23 15 | 23 17 | 10 55 | 12 54 | 6 45 |
| M30 | 22 33 | 24 46 | 2 19 | 16 7 | 4 13 | 20 20 | 0 31 | 15 28 | 0 25 | 5 13 | 1 24 | 4 19 | 2 30 | 8 33 | 0 46 | 0 23 | 1 41 | 0 8 | 14 55 | 23 15 | 23 17 | 10 58 | 12 54 | 6 46 |
| T 31 | 22n40 | 23s21 | 3s23 | 16n 3 | 4s16 | 20n36 | 0s29 | 15n41 | 0s25 | 5n12 | 1n24 | 4n18 | 2n29 | 8n33 | 0n46 | 0s23 | 1n41 | 0n 9 | 14s55 | 23n15 | 23n17 | 11n 0 | 12s54 | 6n46 |

Julian Day Number = 2132814.5, Delta T = 16m20s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'26, Lahiri = 11°41'26 Julian Calendar 1 May 1127 == Greg. Calendar 8 May 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## JUNE 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 0 41 | 15♊35'36 | 14♒23 | 29°D50 | 5♊22 | 14♉36 | 20♍14 | 24♍57 | 10♍ 4 | 4°R50 | 8♉ 9 | 21♊ 8 | 21♊32 | 8♉27 | 3°R22 | W 1 |
| T 2 | 17 4 37 | 16°32'48 | 27°27 | 29♉53 | 6°36 | 15°19 | 20°18 | 24°58 | 10° 5 | 4♎49 | 8°10 | 21° 9 | 21°29 | 8°33 | 3♒20 | T 2 |
| F 3 | 17 8 34 | 17°29'59 | 10♓ 8 | 0♊ 0 | 7°49 | 16° 2 | 20°22 | 25° 0 | 10° 6 | 4°49 | 8°11 | 21° 9 | 21°26 | 8°40 | 3°18 | F 3 |
| S 4 | 17 12 30 | 18°27'10 | 22°30 | 0°12 | 9° 3 | 16°44 | 20°26 | 25° 1 | 10° 7 | 4°49 | 8°12 | 21°R 9 | 21°23 | 8°47 | 3°16 | S 4 |
| S 5 | 17 16 27 | 19°24'22 | 4♈37 | 0°29 | 10°16 | 17°27 | 20°30 | 25° 2 | 10° 9 | 4°49 | 8°14 | 21° 9 | 21°19 | 8°53 | 3°14 | S 5 |
| M 6 | 17 20 24 | 20°21'33 | 16°35 | 0°51 | 11°30 | 18° 9 | 20°35 | 25° 4 | 10°10 | 4°49 | 8°15 | 21° 9 | 21°16 | 9° 0 | 3°12 | M 6 |
| T 7 | 17 24 20 | 21°18'44 | 28°26 | 1°17 | 12°43 | 18°52 | 20°39 | 25° 5 | 10°11 | 4°49 | 8°16 | 21°D 9 | 21°13 | 9° 7 | 3°10 | T 7 |
| W 8 | 17 28 17 | 22°15'55 | 10♉15 | 1°48 | 13°57 | 19°34 | 20°44 | 25° 7 | 10°13 | 4°48 | 8°17 | 21° 9 | 21°10 | 9°13 | 3° 8 | W 8 |
| T 9 | 17 32 13 | 23°13'06 | 22° 6 | 2°24 | 15°10 | 20°17 | 20°49 | 25° 8 | 10°14 | 4°48 | 8°18 | 21° 9 | 21° 7 | 9°20 | 3° 5 | T 9 |
| F 10 | 17 36 10 | 24°10'17 | 4♊ 2 | 3° 4 | 16°24 | 20°59 | 20°54 | 25°10 | 10°15 | 4°D48 | 8°19 | 21° 9 | 21° 3 | 9°27 | 3° 3 | F 10 |
| S 11 | 17 40 6 | 25° 7'28 | 16° 5 | 3°49 | 17°37 | 21°41 | 20°59 | 25°12 | 10°17 | 4°48 | 8°20 | 21°R 9 | 21° 0 | 9°33 | 3° 1 | S 11 |
| S 12 | 17 44 3 | 26° 4'39 | 28°18 | 4°38 | 18°51 | 22°23 | 21° 4 | 25°14 | 10°19 | 4°48 | 8°21 | 21° 9 | 20°57 | 9°40 | 2°58 | S 12 |
| M13 | 17 47 59 | 27° 1'50 | 10♋41 | 5°31 | 20° 5 | 23° 6 | 21°10 | 25°16 | 10°20 | 4°49 | 8°22 | 21° 9 | 20°54 | 9°47 | 2°56 | M13 |
| T 14 | 17 51 56 | 27°59'01 | 23°17 | 6°29 | 21°18 | 23°48 | 21°16 | 25°18 | 10°22 | 4°49 | 8°23 | 21° 9 | 20°51 | 9°53 | 2°53 | T 14 |
| W15 | 17 55 53 | 28°56'12 | 6♌ 7 | 7°31 | 22°32 | 24°30 | 21°21 | 25°21 | 10°24 | 4°49 | 8°24 | 21° 8 | 20°48 | 10° 0 | 2°51 | W15 |
| T 16 | 17 59 49 | 29°53'23 | 19°10 | 8°38 | 23°45 | 25°12 | 21°27 | 25°23 | 10°25 | 4°49 | 8°24 | 21° 7 | 20°44 | 10° 7 | 2°48 | T 16 |
| F 17 | 18 3 46 | 0♋50'33 | 2♍29 | 9°48 | 24°59 | 25°53 | 21°33 | 25°25 | 10°27 | 4°49 | 8°25 | 21° 6 | 20°41 | 10°13 | 2°46 | F 17 |
| S 18 | 18 7 42 | 1°47'43 | 16° 3 | 11° 3 | 26°13 | 26°35 | 21°40 | 25°28 | 10°29 | 4°49 | 8°26 | 21° 5 | 20°38 | 10°20 | 2°43 | S 18 |
| S 19 | 18 11 39 | 2°44'53 | 29°52 | 12°22 | 27°26 | 27°17 | 21°46 | 25°31 | 10°31 | 4°50 | 8°27 | 21°D 4 | 20°35 | 10°27 | 2°40 | S 19 |
| M20 | 18 15 35 | 3°42'03 | 13♎57 | 13°44 | 28°40 | 27°59 | 21°52 | 25°33 | 10°33 | 4°50 | 8°28 | 21° 5 | 20°32 | 10°33 | 2°37 | M20 |
| T 21 | 18 19 32 | 4°39'13 | 28°15 | 15°11 | 29°54 | 28°40 | 21°59 | 25°36 | 10°35 | 4°50 | 8°29 | 21° 5 | 20°29 | 10°40 | 2°35 | T 21 |
| W22 | 18 23 28 | 5°36'23 | 12♏44 | 16°42 | 1♋ 7 | 29°22 | 22° 6 | 25°39 | 10°37 | 4°51 | 8°30 | 21° 6 | 20°25 | 10°47 | 2°32 | W22 |
| T 23 | 18 27 25 | 6°33'33 | 27°20 | 18°16 | 2°21 | 0♊ 3 | 22°13 | 25°42 | 10°39 | 4°51 | 8°30 | 21° 7 | 20°22 | 10°53 | 2°29 | T 23 |
| F 24 | 18 31 22 | 7°30'43 | 11♐58 | 19°54 | 3°35 | 0°45 | 22°20 | 25°45 | 10°41 | 4°52 | 8°31 | 21° 8 | 20°19 | 11° 0 | 2°26 | F 24 |
| S 25 | 18 35 18 | 8°27'53 | 26°33 | 21°35 | 4°49 | 1°26 | 22°27 | 25°48 | 10°43 | 4°52 | 8°32 | 21°R 8 | 20°16 | 11° 7 | 2°23 | S 25 |
| S 26 | 18 39 15 | 9°25'04 | 10♑59 | 23°20 | 6° 2 | 2° 7 | 22°34 | 25°52 | 10°46 | 4°52 | 8°33 | 21° 7 | 20°13 | 11°14 | 2°20 | S 26 |
| M27 | 18 43 11 | 10°22'15 | 25° 9 | 25° 9 | 7°16 | 2°49 | 22°41 | 25°55 | 10°48 | 4°53 | 8°33 | 21° 6 | 20° 9 | 11°20 | 2°17 | M27 |
| T 28 | 18 47 8 | 11°19'26 | 8♒59 | 27° 0 | 8°30 | 3°30 | 22°49 | 25°59 | 10°50 | 4°54 | 8°34 | 21° 3 | 20° 6 | 11°27 | 2°14 | T 28 |
| W29 | 18 51 4 | 12°16'38 | 22°28 | 28°54 | 9°44 | 4°11 | 22°57 | 26° 2 | 10°53 | 4°54 | 8°35 | 21° 0 | 20° 3 | 11°34 | 2°11 | W29 |
| T 30 | 18 55 1 | 13♋13'51 | 5♓33 | 0♋51 | 10♋58 | 4♊52 | 23♍ 4 | 26♍ 6 | 10♍55 | 4♎55 | 8♉36 | 20♊57 | 20♊ 0 | 11♉40 | 2♒ 8 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n46 | 20s39 | 4s14 | 16n 1 | 4s17 | 20n52 | 0s27 | 15n55 | 0s24 | 5n10 | 1n24 | 4n18 | 2n29 | 8n32 | 0n46 | 0s23 | 1n41 | 0n 9 | 14s55 | 23n15 | 23n17 | 11n 3 | 12s54 | 6n46 |
| T 2 | 22 52 | 16 58 | 4 51 | 16 2 | 4 17 | 21 7 | 0 24 | 16 8 | 0 23 | 5 8 | 1 24 | 4 17 | 2 29 | 8 32 | 0 46 | 0 23 | 1 41 | 0 9 | 14 55 | 23 15 | 23 17 | 11 6 | 12 54 | 6 47 |
| F 3 | 22 58 | 12 36 | 5 11 | 16 5 | 4 16 | 21 21 | 0 22 | 16 21 | 0 23 | 5 7 | 1 23 | 4 16 | 2 29 | 8 31 | 0 46 | 0 23 | 1 41 | 0 9 | 14 55 | 23 15 | 23 16 | 11 9 | 12 54 | 6 47 |
| S 4 | 23 3 | 7 50 | 5 17 | 16 10 | 4 13 | 21 35 | 0 20 | 16 34 | 0 22 | 5 5 | 1 23 | 4 16 | 2 28 | 8 31 | 0 46 | 0 23 | 1 41 | 0 9 | 14 56 | 23 15 | 23 16 | 11 11 | 12 54 | 6 47 |
| S 5 | 23 8 | 2 52 | 5 9 | 16 17 | 4 10 | 21 49 | 0 17 | 16 47 | 0 21 | 5 3 | 1 23 | 4 15 | 2 28 | 8 30 | 0 46 | 0 23 | 1 41 | 0 9 | 14 56 | 23 15 | 23 16 | 11 14 | 12 55 | 6 48 |
| M 6 | 23 12 | 2n 8 | 4 47 | 16 25 | 4 5 | 22 1 | 0 15 | 16 59 | 0 21 | 5 1 | 1 23 | 4 14 | 2 28 | 8 30 | 0 46 | 0 23 | 1 41 | 0 10 | 14 56 | 23 15 | 23 16 | 11 17 | 12 55 | 6 48 |
| T 7 | 23 16 | 7 2 | 4 13 | 16 36 | 4 0 | 22 14 | 0 12 | 17 12 | 0 20 | 4 59 | 1 22 | 4 13 | 2 28 | 8 29 | 0 46 | 0 23 | 1 41 | 0 10 | 14 56 | 23 15 | 23 16 | 11 19 | 12 55 | 6 48 |
| W 8 | 23 20 | 11 40 | 3 28 | 16 48 | 3 54 | 22 25 | 0 10 | 17 24 | 0 20 | 4 57 | 1 22 | 4 12 | 2 28 | 8 29 | 0 46 | 0 23 | 1 41 | 0 10 | 14 56 | 23 15 | 23 15 | 11 22 | 12 55 | 6 49 |
| T 9 | 23 23 | 15 54 | 2 34 | 17 2 | 3 47 | 22 36 | 0 8 | 17 36 | 0 19 | 4 55 | 1 22 | 4 12 | 2 27 | 8 28 | 0 46 | 0 23 | 1 41 | 0 10 | 14 56 | 23 15 | 23 15 | 11 25 | 12 55 | 6 49 |
| F 10 | 23 25 | 19 31 | 1 34 | 17 18 | 3 39 | 22 46 | 0 5 | 17 48 | 0 18 | 4 52 | 1 22 | 4 11 | 2 27 | 8 28 | 0 46 | 0 23 | 1 41 | 0 10 | 14 57 | 23 15 | 23 15 | 11 28 | 12 55 | 6 49 |
| S 11 | 23 28 | 22 21 | 0 28 | 17 34 | 3 30 | 22 56 | 0 3 | 17 59 | 0 17 | 4 50 | 1 22 | 4 10 | 2 27 | 8 27 | 0 46 | 0 23 | 1 41 | 0 10 | 14 57 | 23 15 | 23 15 | 11 30 | 12 56 | 6 50 |
| S 12 | 23 30 | 24 12 | 0n40 | 17 52 | 3 21 | 23 5 | 0 0 | 18 11 | 0 17 | 4 48 | 1 21 | 4 9 | 2 27 | 8 26 | 0 46 | 0 23 | 1 41 | 0 10 | 14 57 | 23 15 | 23 15 | 11 33 | 12 56 | 6 50 |
| M13 | 23 31 | 24 53 | 1 46 | 18 12 | 3 11 | 23 13 | 0n 2 | 18 22 | 0 16 | 4 46 | 1 21 | 4 8 | 2 26 | 8 26 | 0 46 | 0 23 | 1 41 | 0 10 | 14 57 | 23 15 | 23 14 | 11 36 | 12 56 | 6 50 |
| T 14 | 23 32 | 24 18 | 2 49 | 18 32 | 3 1 | 23 20 | 0 4 | 18 34 | 0 15 | 4 43 | 1 21 | 4 7 | 2 26 | 8 25 | 0 45 | 0 23 | 1 41 | 0 11 | 14 57 | 23 15 | 23 14 | 11 39 | 12 56 | 6 51 |
| W15 | 23 33 | 22 27 | 3 44 | 18 53 | 2 50 | 23 27 | 0 7 | 18 45 | 0 15 | 4 41 | 1 21 | 4 5 | 2 26 | 8 24 | 0 45 | 0 23 | 1 41 | 0 11 | 14 58 | 23 15 | 23 14 | 11 41 | 12 57 | 6 51 |
| T 16 | 23 33 | 19 24 | 4 29 | 19 14 | 2 38 | 23 34 | 0 9 | 18 56 | 0 14 | 4 38 | 1 20 | 4 4 | 2 26 | 8 24 | 0 45 | 0 23 | 1 41 | 0 11 | 14 58 | 23 15 | 23 14 | 11 44 | 12 57 | 6 51 |
| F 17 | 23 33 | 15 18 | 5 0 | 19 37 | 2 27 | 23 39 | 0 12 | 19 6 | 0 13 | 4 35 | 1 20 | 4 3 | 2 26 | 8 23 | 0 45 | 0 23 | 1 41 | 0 11 | 14 58 | 23 15 | 23 13 | 11 47 | 12 57 | 6 51 |
| S 18 | 23 32 | 10 22 | 5 15 | 19 59 | 2 14 | 23 44 | 0 14 | 19 17 | 0 13 | 4 33 | 1 20 | 4 2 | 2 25 | 8 22 | 0 45 | 0 23 | 1 40 | 0 11 | 14 58 | 23 15 | 23 13 | 11 49 | 12 58 | 6 52 |
| S 19 | 23 31 | 4 50 | 5 13 | 20 22 | 2 2 | 23 48 | 0 16 | 19 27 | 0 12 | 4 30 | 1 20 | 4 1 | 2 25 | 8 21 | 0 45 | 0 24 | 1 40 | 0 11 | 14 59 | 23 15 | 23 13 | 11 52 | 12 58 | 6 52 |
| M20 | 23 30 | 1s 3 | 4 52 | 20 45 | 1 50 | 23 51 | 0 19 | 19 37 | 0 11 | 4 27 | 1 19 | 3 59 | 2 25 | 8 21 | 0 45 | 0 24 | 1 40 | 0 11 | 14 59 | 23 15 | 23 13 | 11 55 | 12 58 | 6 52 |
| T 21 | 23 28 | 6 58 | 4 13 | 21 7 | 1 37 | 23 54 | 0 21 | 19 47 | 0 11 | 4 24 | 1 19 | 3 58 | 2 25 | 8 20 | 0 45 | 0 24 | 1 40 | 0 11 | 14 59 | 23 15 | 23 13 | 11 58 | 12 59 | 6 52 |
| W22 | 23 26 | 12 36 | 3 17 | 21 30 | 1 24 | 23 56 | 0 23 | 19 57 | 0 10 | 4 22 | 1 19 | 3 57 | 2 24 | 8 19 | 0 45 | 0 24 | 1 40 | 0 11 | 14 59 | 23 15 | 23 12 | 12 0 | 12 59 | 6 53 |
| T 23 | 23 23 | 17 35 | 2 8 | 21 51 | 1 11 | 23 57 | 0 26 | 20 7 | 0 9 | 4 19 | 1 19 | 3 55 | 2 24 | 8 18 | 0 45 | 0 24 | 1 40 | 0 11 | 14 59 | 23 15 | 23 12 | 12 3 | 13 0 | 6 53 |
| F 24 | 23 20 | 21 30 | 0 50 | 22 12 | 0 58 | 23 58 | 0 28 | 20 16 | 0 8 | 4 16 | 1 19 | 3 54 | 2 24 | 8 17 | 0 45 | 0 24 | 1 40 | 0 11 | 15 0 | 23 15 | 23 12 | 12 6 | 13 0 | 6 53 |
| S 25 | 23 17 | 24 0 | 0s30 | 22 32 | 0 45 | 23 58 | 0 30 | 20 25 | 0 8 | 4 13 | 1 18 | 3 52 | 2 24 | 8 16 | 0 45 | 0 25 | 1 40 | 0 11 | 15 0 | 23 15 | 23 12 | 12 8 | 13 0 | 6 53 |
| S 26 | 23 13 | 24 53 | 1 47 | 22 50 | 0 33 | 23 57 | 0 32 | 20 34 | 0 7 | 4 10 | 1 18 | 3 51 | 2 24 | 8 16 | 0 45 | 0 25 | 1 40 | 0 11 | 15 0 | 23 15 | 23 11 | 12 11 | 13 1 | 6 53 |
| M27 | 23 9 | 24 6 | 2 57 | 23 8 | 0 20 | 23 55 | 0 34 | 20 43 | 0 6 | 4 6 | 1 18 | 3 49 | 2 23 | 8 15 | 0 45 | 0 25 | 1 40 | 0 11 | 15 0 | 23 15 | 23 11 | 12 14 | 13 1 | 6 54 |
| T 28 | 23 4 | 21 51 | 3 54 | 23 23 | 0 8 | 23 53 | 0 37 | 20 52 | 0 6 | 4 3 | 1 18 | 3 48 | 2 23 | 8 14 | 0 45 | 0 25 | 1 40 | 0 11 | 15 1 | 23 15 | 23 11 | 12 17 | 13 2 | 6 54 |
| W29 | 22 59 | 18 27 | 4 37 | 23 37 | 0n 4 | 23 50 | 0 39 | 21 0 | 0 5 | 4 0 | 1 18 | 3 46 | 2 23 | 8 13 | 0 45 | 0 26 | 1 40 | 0 11 | 15 1 | 23 15 | 23 11 | 12 19 | 13 2 | 6 54 |
| T 30 | 22n53 | 14s13 | 5s 3 | 23n48 | 0n15 | 23n46 | 0n41 | 21n 8 | 0s 4 | 3n57 | 1n17 | 3n44 | 2n23 | 8n12 | 0n45 | 0s26 | 1n40 | 0n11 | 15s 1 | 23n15 | 23n10 | 12n22 | 13s 3 | 6n54 |

Julian Day Number = 2132845.5, Delta T = 16m19s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'30, Lahiri = 11°41'31 Julian Calendar 1 June 1127 == Greg. Calendar 8 June 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## JULY 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 58 58 | 14♋11'04 | 18♓17 | 2♋50 | 12♋11 | 5♊33 | 23♍12 | 26♍ 9 | 10♍57 | 4♎55 | 8♉36 | 20°R55 | 19♊57 | 11♉47 | 2°R 5 | F 1 |
| S 2 | 19 2 54 | 15° 8'18 | 0♈41 | 4°51 | 13°25 | 6°14 | 23°20 | 26°13 | 11° 0 | 4°56 | 8°37 | 20♊53 | 19°54 | 11°54 | 2♒ 2 | S 2 |
| S 3 | 19 6 51 | 16° 5'33 | 12°50 | 6°54 | 14°39 | 6°55 | 23°28 | 26°17 | 11° 2 | 4°57 | 8°37 | 20°D52 | 19°50 | 12° 0 | 1°59 | S 3 |
| M 4 | 19 10 47 | 17° 2'49 | 24°48 | 8°58 | 15°53 | 7°35 | 23°36 | 26°21 | 11° 5 | 4°58 | 8°38 | 20°52 | 19°47 | 12° 7 | 1°56 | M 4 |
| T 5 | 19 14 44 | 18° 0'05 | 6♉39 | 11° 4 | 17° 7 | 8°16 | 23°45 | 26°25 | 11° 7 | 4°58 | 8°39 | 20°53 | 19°44 | 12°14 | 1°52 | T 5 |
| W 6 | 19 18 40 | 18°57'23 | 18°29 | 13°10 | 18°21 | 8°57 | 23°53 | 26°29 | 11°10 | 4°59 | 8°39 | 20°55 | 19°41 | 12°20 | 1°49 | W 6 |
| T 7 | 19 22 37 | 19°54'42 | 0♊22 | 15°17 | 19°35 | 9°37 | 24° 2 | 26°33 | 11°13 | 5° 0 | 8°40 | 20°57 | 19°38 | 12°27 | 1°46 | T 7 |
| F 8 | 19 26 33 | 20°52'02 | 12°23 | 17°24 | 20°49 | 10°18 | 24°11 | 26°38 | 11°15 | 5° 1 | 8°40 | 20°58 | 19°35 | 12°34 | 1°43 | F 8 |
| S 9 | 19 30 30 | 21°49'22 | 24°34 | 19°30 | 22° 3 | 10°58 | 24°19 | 26°42 | 11°18 | 5° 2 | 8°41 | 20°R58 | 19°31 | 12°40 | 1°40 | S 9 |
| S 10 | 19 34 27 | 22°46'44 | 6♋59 | 21°37 | 23°17 | 11°39 | 24°28 | 26°46 | 11°21 | 5° 3 | 8°41 | 20°57 | 19°28 | 12°47 | 1°36 | S 10 |
| M11 | 19 38 23 | 23°44'06 | 19°39 | 23°43 | 24°31 | 12°19 | 24°37 | 26°51 | 11°24 | 5° 4 | 8°42 | 20°54 | 19°25 | 12°54 | 1°33 | M11 |
| T 12 | 19 42 20 | 24°41'30 | 2♌36 | 25°48 | 25°45 | 12°59 | 24°46 | 26°55 | 11°27 | 5° 5 | 8°42 | 20°50 | 19°22 | 13° 0 | 1°30 | T 12 |
| W13 | 19 46 16 | 25°38'54 | 15°48 | 27°52 | 26°59 | 13°40 | 24°56 | 27° 0 | 11°30 | 5° 6 | 8°43 | 20°45 | 19°19 | 13° 7 | 1°26 | W13 |
| T 14 | 19 50 13 | 26°36'19 | 29°15 | 29°55 | 28°13 | 14°20 | 25° 5 | 27° 5 | 11°32 | 5° 7 | 8°43 | 20°39 | 19°15 | 13°14 | 1°23 | T 14 |
| F 15 | 19 54 9 | 27°33'45 | 12♍55 | 1♌57 | 29°27 | 15° 0 | 25°14 | 27° 9 | 11°35 | 5° 8 | 8°44 | 20°34 | 19°12 | 13°20 | 1°20 | F 15 |
| S 16 | 19 58 6 | 28°31'11 | 26°45 | 3°57 | 0♌41 | 15°40 | 25°24 | 27°14 | 11°38 | 5° 9 | 8°44 | 20°29 | 19° 9 | 13°27 | 1°17 | S 16 |
| S 17 | 20 2 2 | 29°28'38 | 10♎44 | 5°56 | 1°55 | 16°20 | 25°33 | 27°19 | 11°41 | 5°10 | 8°44 | 20°26 | 19° 6 | 13°34 | 1°13 | S 17 |
| M18 | 20 5 59 | 0♌26'06 | 24°49 | 7°54 | 3° 9 | 16°59 | 25°43 | 27°24 | 11°44 | 5°11 | 8°45 | 20°D25 | 19° 3 | 13°40 | 1°10 | M18 |
| T 19 | 20 9 56 | 1°23'35 | 8♏59 | 9°50 | 4°23 | 17°39 | 25°53 | 27°29 | 11°47 | 5°12 | 8°45 | 20°25 | 19° 0 | 13°47 | 1° 7 | T 19 |
| W20 | 20 13 52 | 2°21'05 | 23°12 | 11°45 | 5°37 | 18°19 | 26° 3 | 27°34 | 11°51 | 5°14 | 8°45 | 20°26 | 18°56 | 13°54 | 1° 3 | W20 |
| T 21 | 20 17 49 | 3°18'35 | 7♐26 | 13°38 | 6°51 | 18°58 | 26°13 | 27°40 | 11°54 | 5°15 | 8°45 | 20°27 | 18°53 | 14° 0 | 1° 0 | T 21 |
| F 22 | 20 21 45 | 4°16'07 | 21°39 | 15°30 | 8° 5 | 19°38 | 26°23 | 27°45 | 11°57 | 5°16 | 8°46 | 20°R28 | 18°50 | 14° 7 | 0°57 | F 22 |
| S 23 | 20 25 42 | 5°13'39 | 5♑48 | 17°20 | 9°20 | 20°17 | 26°33 | 27°50 | 12° 0 | 5°17 | 8°46 | 20°27 | 18°47 | 14°14 | 0°53 | S 23 |
| S 24 | 20 29 38 | 6°11'13 | 19°49 | 19° 9 | 10°34 | 20°57 | 26°43 | 27°55 | 12° 3 | 5°19 | 8°46 | 20°24 | 18°44 | 14°20 | 0°50 | S 24 |
| M25 | 20 33 35 | 7° 8'48 | 3♒40 | 20°57 | 11°48 | 21°36 | 26°54 | 28° 1 | 12° 6 | 5°20 | 8°46 | 20°19 | 18°41 | 14°27 | 0°47 | M25 |
| T 26 | 20 37 31 | 8° 6'23 | 17°16 | 22°42 | 13° 2 | 22°16 | 27° 4 | 28° 6 | 12°10 | 5°21 | 8°47 | 20°12 | 18°37 | 14°34 | 0°44 | T 26 |
| W27 | 20 41 28 | 9° 4'01 | 0♓34 | 24°27 | 14°16 | 22°55 | 27°15 | 28°12 | 12°13 | 5°23 | 8°47 | 20° 4 | 18°34 | 14°40 | 0°40 | W27 |
| T 28 | 20 45 25 | 10° 1'39 | 13°34 | 26° 9 | 15°30 | 23°34 | 27°25 | 28°18 | 12°16 | 5°24 | 8°47 | 19°55 | 18°31 | 14°47 | 0°37 | T 28 |
| F 29 | 20 49 21 | 10°59'19 | 26°15 | 27°51 | 16°45 | 24°13 | 27°36 | 28°23 | 12°20 | 5°26 | 8°47 | 19°47 | 18°28 | 14°54 | 0°34 | F 29 |
| S 30 | 20 53 18 | 11°57'01 | 8♈38 | 29°31 | 17°59 | 24°52 | 27°47 | 28°29 | 12°23 | 5°27 | 8°47 | 19°41 | 18°25 | 15° 0 | 0°31 | S 30 |
| S 31 | 20 57 14 | 12♌54'44 | 20♈47 | 1♍ 9 | 19♌13 | 25♊31 | 27♍57 | 28♍35 | 12♍26 | 5♎29 | 8♉47 | 19♊36 | 18♊21 | 15♉ 7 | 0♒27 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n48 | 9s28 | 5s14 | 23n58 | 0n26 | 23n42 | 0n43 | 21n16 | 0s 3 | 3n53 | 1n17 | 3n43 | 2n23 | 8n11 | 0n45 | 0s26 | 1n40 | 0n11 | 15s 1 | 23n14 | 23n10 | 12n25 | 13s 3 | 6n54 |
| S 2 | 22 41 | 4 28 | 5 10 | 24 4 | 0 37 | 23 37 | 0 45 | 21 24 | 0 3 | 3 50 | 1 17 | 3 41 | 2 22 | 8 10 | 0 45 | 0 27 | 1 40 | 0 11 | 15 2 | 23 14 | 23 10 | 12 27 | 13 4 | 6 54 |
| S 3 | 22 35 | 0n37 | 4 52 | 24 9 | 0 46 | 23 31 | 0 47 | 21 32 | 0 2 | 3 47 | 1 17 | 3 39 | 2 22 | 8 9 | 0 45 | 0 27 | 1 40 | 0 11 | 15 2 | 23 14 | 23 10 | 12 30 | 13 4 | 6 55 |
| M 4 | 22 28 | 5 36 | 4 21 | 24 10 | 0 56 | 23 25 | 0 49 | 21 40 | 0 1 | 3 43 | 1 17 | 3 38 | 2 22 | 8 8 | 0 45 | 0 27 | 1 40 | 0 11 | 15 2 | 23 14 | 23 9 | 12 33 | 13 5 | 6 55 |
| T 5 | 22 20 | 10 20 | 3 40 | 24 9 | 1 4 | 23 17 | 0 51 | 21 47 | 0 0 | 3 40 | 1 16 | 3 36 | 2 22 | 8 7 | 0 45 | 0 28 | 1 40 | 0 11 | 15 2 | 23 14 | 23 9 | 12 35 | 13 6 | 6 55 |
| W 6 | 22 12 | 14 42 | 2 49 | 24 5 | 1 12 | 23 9 | 0 53 | 21 54 | 0n 0 | 3 36 | 1 16 | 3 34 | 2 22 | 8 6 | 0 45 | 0 28 | 1 40 | 0 11 | 15 3 | 23 14 | 23 9 | 12 38 | 13 6 | 6 55 |
| T 7 | 22 4 | 18 31 | 1 51 | 23 59 | 1 19 | 23 1 | 0 54 | 22 1 | 0 1 | 3 33 | 1 16 | 3 32 | 2 21 | 8 5 | 0 45 | 0 28 | 1 40 | 0 11 | 15 3 | 23 15 | 23 9 | 12 41 | 13 7 | 6 55 |
| F 8 | 21 55 | 21 37 | 0 47 | 23 49 | 1 25 | 22 52 | 0 56 | 22 8 | 0 2 | 3 29 | 1 16 | 3 30 | 2 21 | 8 4 | 0 45 | 0 29 | 1 39 | 0 10 | 15 3 | 23 15 | 23 8 | 12 43 | 13 7 | 6 55 |
| S 9 | 21 46 | 23 46 | 0n20 | 23 37 | 1 30 | 22 42 | 0 58 | 22 14 | 0 3 | 3 25 | 1 16 | 3 28 | 2 21 | 8 3 | 0 45 | 0 29 | 1 39 | 0 10 | 15 4 | 23 15 | 23 8 | 12 46 | 13 8 | 6 55 |
| S 10 | 21 37 | 24 48 | 1 27 | 23 22 | 1 35 | 22 31 | 1 0 | 22 21 | 0 3 | 3 22 | 1 15 | 3 26 | 2 21 | 8 2 | 0 45 | 0 30 | 1 39 | 0 10 | 15 4 | 23 15 | 23 8 | 12 49 | 13 9 | 6 55 |
| M11 | 21 27 | 24 35 | 2 30 | 23 5 | 1 39 | 22 20 | 1 1 | 22 27 | 0 4 | 3 18 | 1 15 | 3 25 | 2 21 | 8 1 | 0 45 | 0 30 | 1 39 | 0 10 | 15 4 | 23 14 | 23 8 | 12 51 | 13 9 | 6 55 |
| T 12 | 21 17 | 23 2 | 3 28 | 22 45 | 1 42 | 22 8 | 1 3 | 22 33 | 0 5 | 3 14 | 1 15 | 3 23 | 2 20 | 7 59 | 0 44 | 0 30 | 1 39 | 0 10 | 15 4 | 23 14 | 23 7 | 12 54 | 13 10 | 6 55 |
| W13 | 21 7 | 20 14 | 4 15 | 22 24 | 1 44 | 21 55 | 1 5 | 22 38 | 0 6 | 3 10 | 1 15 | 3 21 | 2 20 | 7 58 | 0 44 | 0 31 | 1 39 | 0 10 | 15 5 | 23 14 | 23 7 | 12 57 | 13 10 | 6 55 |
| T 14 | 20 56 | 16 18 | 4 49 | 22 0 | 1 46 | 21 42 | 1 6 | 22 44 | 0 6 | 3 6 | 1 15 | 3 18 | 2 20 | 7 57 | 0 44 | 0 31 | 1 39 | 0 10 | 15 5 | 23 13 | 23 7 | 13 0 | 13 11 | 6 56 |
| F 15 | 20 45 | 11 28 | 5 8 | 21 34 | 1 47 | 21 28 | 1 8 | 22 49 | 0 7 | 3 2 | 1 15 | 3 16 | 2 20 | 7 56 | 0 44 | 0 32 | 1 39 | 0 10 | 15 5 | 23 13 | 23 7 | 13 2 | 13 12 | 6 56 |
| S 16 | 20 33 | 6 1 | 5 9 | 21 6 | 1 47 | 21 13 | 1 9 | 22 54 | 0 8 | 2 58 | 1 14 | 3 14 | 2 20 | 7 55 | 0 44 | 0 32 | 1 39 | 0 9 | 15 5 | 23 13 | 23 6 | 13 5 | 13 13 | 6 56 |
| S 17 | 20 21 | 0 12 | 4 51 | 20 36 | 1 47 | 20 58 | 1 10 | 22 59 | 0 9 | 2 55 | 1 14 | 3 12 | 2 20 | 7 54 | 0 44 | 0 33 | 1 39 | 0 9 | 15 6 | 23 12 | 23 6 | 13 8 | 13 13 | 6 56 |
| M18 | 20 9 | 5s40 | 4 17 | 20 5 | 1 46 | 20 42 | 1 12 | 23 4 | 0 9 | 2 50 | 1 14 | 3 10 | 2 19 | 7 53 | 0 44 | 0 33 | 1 39 | 0 9 | 15 6 | 23 12 | 23 6 | 13 10 | 13 14 | 6 56 |
| T 19 | 19 57 | 11 18 | 3 26 | 19 32 | 1 44 | 20 26 | 1 13 | 23 9 | 0 10 | 2 46 | 1 14 | 3 8 | 2 19 | 7 51 | 0 44 | 0 34 | 1 39 | 0 9 | 15 6 | 23 12 | 23 6 | 13 13 | 13 15 | 6 56 |
| W20 | 19 44 | 16 22 | 2 22 | 18 59 | 1 42 | 20 9 | 1 14 | 23 13 | 0 11 | 2 42 | 1 14 | 3 6 | 2 19 | 7 50 | 0 44 | 0 34 | 1 39 | 0 9 | 15 7 | 23 12 | 23 5 | 13 16 | 13 15 | 6 56 |
| T 21 | 19 31 | 20 30 | 1 10 | 18 24 | 1 39 | 19 52 | 1 15 | 23 17 | 0 12 | 2 38 | 1 14 | 3 3 | 2 19 | 7 49 | 0 44 | 0 35 | 1 39 | 0 9 | 15 7 | 23 12 | 23 5 | 13 18 | 13 16 | 6 55 |
| F 22 | 19 17 | 23 24 | 0s 6 | 17 48 | 1 36 | 19 34 | 1 16 | 23 21 | 0 12 | 2 34 | 1 13 | 3 1 | 2 19 | 7 48 | 0 44 | 0 35 | 1 39 | 0 8 | 15 7 | 23 12 | 23 5 | 13 21 | 13 17 | 6 55 |
| S 23 | 19 3 | 24 47 | 1 22 | 17 11 | 1 33 | 19 15 | 1 17 | 23 25 | 0 13 | 2 30 | 1 13 | 2 59 | 2 19 | 7 46 | 0 44 | 0 36 | 1 39 | 0 8 | 15 7 | 23 12 | 23 5 | 13 23 | 13 18 | 6 55 |
| S 24 | 18 49 | 24 35 | 2 32 | 16 33 | 1 28 | 18 56 | 1 18 | 23 29 | 0 14 | 2 26 | 1 13 | 2 57 | 2 18 | 7 45 | 0 44 | 0 37 | 1 39 | 0 8 | 15 8 | 23 12 | 23 4 | 13 26 | 13 18 | 6 55 |
| M25 | 18 34 | 22 51 | 3 32 | 15 54 | 1 24 | 18 36 | 1 19 | 23 32 | 0 15 | 2 21 | 1 13 | 2 54 | 2 18 | 7 44 | 0 44 | 0 37 | 1 39 | 0 8 | 15 8 | 23 12 | 23 4 | 13 29 | 13 19 | 6 55 |
| T 26 | 18 20 | 19 50 | 4 18 | 15 15 | 1 19 | 18 16 | 1 20 | 23 35 | 0 16 | 2 17 | 1 13 | 2 52 | 2 18 | 7 43 | 0 44 | 0 38 | 1 39 | 0 7 | 15 8 | 23 11 | 23 4 | 13 31 | 13 20 | 6 55 |
| W27 | 18 4 | 15 50 | 4 50 | 14 36 | 1 14 | 17 55 | 1 21 | 23 38 | 0 16 | 2 13 | 1 13 | 2 50 | 2 18 | 7 41 | 0 44 | 0 38 | 1 39 | 0 7 | 15 9 | 23 11 | 23 4 | 13 34 | 13 21 | 6 55 |
| T 28 | 17 49 | 11 10 | 5 5 | 13 55 | 1 8 | 17 34 | 1 22 | 23 41 | 0 17 | 2 8 | 1 13 | 2 47 | 2 18 | 7 40 | 0 44 | 0 39 | 1 39 | 0 7 | 15 9 | 23 10 | 23 3 | 13 37 | 13 21 | 6 55 |
| F 29 | 17 33 | 6 9 | 5 5 | 13 15 | 1 2 | 17 12 | 1 22 | 23 44 | 0 18 | 2 4 | 1 12 | 2 45 | 2 18 | 7 39 | 0 44 | 0 40 | 1 39 | 0 7 | 15 9 | 23 9 | 23 3 | 13 39 | 13 22 | 6 55 |
| S 30 | 17 17 | 1 0 | 4 50 | 12 34 | 0 56 | 16 50 | 1 23 | 23 46 | 0 19 | 2 0 | 1 12 | 2 42 | 2 18 | 7 37 | 0 44 | 0 40 | 1 39 | 0 7 | 15 9 | 23 9 | 23 3 | 13 42 | 13 23 | 6 55 |
| S 31 | 17n 1 | 4n 5 | 4s23 | 11n53 | 0n49 | 16n27 | 1n24 | 23n48 | 0n20 | 1n55 | 1n12 | 2n40 | 2n17 | 7n36 | 0n44 | 0s41 | 1n39 | 0n 6 | 15s10 | 23n 9 | 23n 2 | 13n45 | 13s24 | 6n55 |

Julian Day Number = 2132875.5, Delta T = 16m19s
Ecliptic obliquity = 23°33'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'34, Lahiri = 11°41'35 Julian Calendar 1 July 1127 == Greg. Calendar 8 July 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## AUGUST 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 1 11 | 13♌52'29 | 2♉44 | 2♍46 | 20♌27 | 26♊10 | 28♍ 8 | 28♍41 | 12♍30 | 5♎30 | 8♉47 | 19°R33 | 18♊18 | 15♉14 | 0°R24 | M 1 |
| T 2 | 21 5 7 | 14°50'15 | 14°35 | 4°22 | 21°42 | 26°48 | 28°19 | 28°46 | 12°33 | 5°32 | 8°47 | 19°D33 | 18°15 | 15°20 | 0♒21 | T 2 |
| W 3 | 21 9 4 | 15°48'04 | 26°25 | 5°56 | 22°56 | 27°27 | 28°30 | 28°52 | 12°37 | 5°33 | 8°R47 | 19♊33 | 18°12 | 15°27 | 0°18 | W 3 |
| T 4 | 21 13 0 | 16°45'54 | 8♊19 | 7°29 | 24°10 | 28° 6 | 28°41 | 28°58 | 12°40 | 5°35 | 8°47 | 19°34 | 18° 9 | 15°34 | 0°15 | T 4 |
| F 5 | 21 16 57 | 17°43'46 | 20°22 | 9° 0 | 25°24 | 28°44 | 28°53 | 29° 4 | 12°44 | 5°37 | 8°47 | 19°R35 | 18° 6 | 15°40 | 0°12 | F 5 |
| S 6 | 21 20 54 | 18°41'40 | 2♋39 | 10°30 | 26°39 | 29°23 | 29° 4 | 29°11 | 12°47 | 5°38 | 8°47 | 19°34 | 18° 2 | 15°47 | 0° 9 | S 6 |
| S 7 | 21 24 50 | 19°39'35 | 15°13 | 11°59 | 27°53 | 0♋ 1 | 29°15 | 29°17 | 12°51 | 5°40 | 8°47 | 19°31 | 17°59 | 15°54 | 0° 5 | S 7 |
| M 8 | 21 28 47 | 20°37'32 | 28° 8 | 13°26 | 29° 7 | 0°40 | 29°27 | 29°23 | 12°54 | 5°42 | 8°47 | 19°25 | 17°56 | 16° 0 | 0° 2 | M 8 |
| T 9 | 21 32 43 | 21°35'31 | 11♌23 | 14°52 | 0♍22 | 1°18 | 29°38 | 29°29 | 12°58 | 5°43 | 8°47 | 19°18 | 17°53 | 16° 7 | 29♑59 | T 9 |
| W10 | 21 36 40 | 22°33'32 | 24°59 | 16°16 | 1°36 | 1°56 | 29°50 | 29°35 | 13° 1 | 5°45 | 8°47 | 19° 8 | 17°50 | 16°14 | 29°56 | W10 |
| T 11 | 21 40 36 | 23°31'34 | 8♍52 | 17°39 | 2°50 | 2°34 | 0♎ 1 | 29°42 | 13° 5 | 5°47 | 8°46 | 18°58 | 17°47 | 16°20 | 29°54 | T 11 |
| F 12 | 21 44 33 | 24°29'38 | 22°58 | 19° 0 | 4° 5 | 3°12 | 0°13 | 29°48 | 13° 9 | 5°48 | 8°46 | 18°48 | 17°43 | 16°27 | 29°51 | F 12 |
| S 13 | 21 48 29 | 25°27'43 | 7♎13 | 20°19 | 5°19 | 3°50 | 0°24 | 29°55 | 13°12 | 5°50 | 8°46 | 18°39 | 17°40 | 16°34 | 29°48 | S 13 |
| S 14 | 21 52 26 | 26°25'50 | 21°31 | 21°37 | 6°34 | 4°28 | 0°36 | 0♎ 1 | 13°16 | 5°52 | 8°46 | 18°32 | 17°37 | 16°40 | 29°45 | S 14 |
| M15 | 21 56 23 | 27°23'58 | 5♏48 | 22°54 | 7°48 | 5° 6 | 0°48 | 0° 8 | 13°20 | 5°54 | 8°46 | 18°28 | 17°34 | 16°47 | 29°42 | M15 |
| T 16 | 22 0 19 | 28°22'08 | 20° 0 | 24° 8 | 9° 2 | 5°43 | 1° 0 | 0°14 | 13°23 | 5°56 | 8°45 | 18°27 | 17°31 | 16°54 | 29°39 | T 16 |
| W17 | 22 4 16 | 29°20'20 | 4♐ 7 | 25°21 | 10°17 | 6°21 | 1°12 | 0°21 | 13°27 | 5°58 | 8°45 | 18°D26 | 17°27 | 17° 0 | 29°37 | W17 |
| T 18 | 22 8 12 | 0♍18'32 | 18° 8 | 26°32 | 11°31 | 6°59 | 1°24 | 0°27 | 13°31 | 5°59 | 8°45 | 18°R27 | 17°24 | 17° 7 | 29°34 | T 18 |
| F 19 | 22 12 9 | 1°16'47 | 2♑ 0 | 27°41 | 12°45 | 7°36 | 1°36 | 0°34 | 13°34 | 6° 1 | 8°44 | 18°26 | 17°21 | 17°14 | 29°31 | F 19 |
| S 20 | 22 16 5 | 2°15'03 | 15°45 | 28°48 | 14° 0 | 8°13 | 1°48 | 0°41 | 13°38 | 6° 3 | 8°44 | 18°23 | 17°18 | 17°20 | 29°29 | S 20 |
| S 21 | 22 20 2 | 3°13'20 | 29°22 | 29°53 | 15°14 | 8°51 | 2° 0 | 0°47 | 13°42 | 6° 5 | 8°44 | 18°18 | 17°15 | 17°27 | 29°26 | S 21 |
| M22 | 22 23 58 | 4°11'40 | 12♒48 | 0♎55 | 16°29 | 9°28 | 2°12 | 0°54 | 13°46 | 6° 7 | 8°43 | 18°10 | 17°12 | 17°34 | 29°24 | M22 |
| T 23 | 22 27 55 | 5°10'00 | 26° 3 | 1°55 | 17°43 | 10° 5 | 2°24 | 1° 1 | 13°49 | 6° 9 | 8°43 | 18° 0 | 17° 8 | 17°40 | 29°21 | T 23 |
| W24 | 22 31 52 | 6° 8'23 | 9♓ 4 | 2°53 | 18°57 | 10°42 | 2°37 | 1° 8 | 13°53 | 6°11 | 8°43 | 17°47 | 17° 5 | 17°47 | 29°19 | W24 |
| T 25 | 22 35 48 | 7° 6'48 | 21°51 | 3°47 | 20°12 | 11°19 | 2°49 | 1°15 | 13°57 | 6°13 | 8°42 | 17°34 | 17° 2 | 17°54 | 29°17 | T 25 |
| F 26 | 22 39 45 | 8° 5'14 | 4♈23 | 4°39 | 21°26 | 11°56 | 3° 1 | 1°22 | 14° 1 | 6°15 | 8°42 | 17°22 | 16°59 | 18° 0 | 29°14 | F 26 |
| S 27 | 22 43 41 | 9° 3'43 | 16°41 | 5°28 | 22°41 | 12°33 | 3°14 | 1°29 | 14° 4 | 6°17 | 8°41 | 17°11 | 16°56 | 18° 7 | 29°12 | S 27 |
| S 28 | 22 47 38 | 10° 2'14 | 28°45 | 6°13 | 23°55 | 13° 9 | 3°26 | 1°35 | 14° 8 | 6°19 | 8°41 | 17° 3 | 16°52 | 18°14 | 29°10 | S 28 |
| M29 | 22 51 34 | 11° 0'46 | 10♉40 | 6°54 | 25° 9 | 13°46 | 3°39 | 1°42 | 14°12 | 6°21 | 8°40 | 16°57 | 16°49 | 18°20 | 29° 8 | M29 |
| T 30 | 22 55 31 | 11°59'22 | 22°30 | 7°31 | 26°24 | 14°22 | 3°51 | 1°49 | 14°16 | 6°23 | 8°40 | 16°54 | 16°46 | 18°27 | 29° 6 | T 30 |
| W31 | 22 59 27 | 12♍57'59 | 4♊18 | 8♎ 5 | 27♍38 | 14♋59 | 4♎ 4 | 1♎56 | 14♍19 | 6♎25 | 8♉39 | 16♊53 | 16♊43 | 18♉34 | 29♑ 4 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n44 | 8n58 | 3s44 | 11n11 | 0n42 | 16n 4 | 1n24 | 23n50 | 0n20 | 1n51 | 1n12 | 2n38 | 2n17 | 7n35 | 0n44 | 0s41 | 1n38 | 0n 6 | 15s10 | 23n 8 | 23n 2 | 13n47 | 13s24 | 6n55 |
| T 2 | 16 28 | 13 29 | 2 56 | 10 30 | 0 35 | 15 40 | 1 25 | 23 52 | 0 21 | 1 46 | 1 12 | 2 35 | 2 17 | 7 33 | 0 44 | 0 42 | 1 38 | 0 6 | 15 10 | 23 8 | 23 2 | 13 50 | 13 25 | 6 54 |
| W 3 | 16 11 | 17 29 | 2 1 | 9 48 | 0 28 | 15 16 | 1 25 | 23 54 | 0 22 | 1 42 | 1 12 | 2 33 | 2 17 | 7 32 | 0 44 | 0 43 | 1 38 | 0 5 | 15 11 | 23 8 | 23 2 | 13 53 | 13 26 | 6 54 |
| T 4 | 15 53 | 20 48 | 1 0 | 9 7 | 0 20 | 14 52 | 1 25 | 23 55 | 0 23 | 1 37 | 1 12 | 2 30 | 2 17 | 7 31 | 0 44 | 0 43 | 1 38 | 0 5 | 15 11 | 23 8 | 23 1 | 13 55 | 13 27 | 6 54 |
| F 5 | 15 36 | 23 16 | 0n 4 | 8 25 | 0 12 | 14 27 | 1 25 | 23 57 | 0 24 | 1 32 | 1 11 | 2 28 | 2 17 | 7 29 | 0 44 | 0 44 | 1 38 | 0 5 | 15 11 | 23 8 | 23 1 | 13 58 | 13 28 | 6 54 |
| S 6 | 15 18 | 24 41 | 1 9 | 7 44 | 0 4 | 14 2 | 1 26 | 23 58 | 0 25 | 1 28 | 1 11 | 2 25 | 2 17 | 7 28 | 0 44 | 0 45 | 1 38 | 0 5 | 15 11 | 23 8 | 23 1 | 14 1 | 13 28 | 6 54 |
| S 7 | 14 59 | 24 53 | 2 13 | 7 3 | 0s 4 | 13 36 | 1 26 | 23 59 | 0 25 | 1 23 | 1 11 | 2 22 | 2 17 | 7 27 | 0 44 | 0 45 | 1 38 | 0 4 | 15 12 | 23 8 | 23 0 | 14 3 | 13 29 | 6 54 |
| M 8 | 14 41 | 23 45 | 3 11 | 6 22 | 0 12 | 13 10 | 1 26 | 23 59 | 0 26 | 1 19 | 1 11 | 2 20 | 2 16 | 7 25 | 0 44 | 0 46 | 1 38 | 0 4 | 15 12 | 23 8 | 23 0 | 14 6 | 13 30 | 6 53 |
| T 9 | 14 22 | 21 17 | 4 0 | 5 41 | 0 20 | 12 44 | 1 26 | 24 0 | 0 27 | 1 14 | 1 11 | 2 17 | 2 16 | 7 24 | 0 44 | 0 47 | 1 38 | 0 4 | 15 12 | 23 7 | 23 0 | 14 8 | 13 31 | 6 53 |
| W10 | 14 4 | 17 36 | 4 37 | 5 0 | 0 29 | 12 17 | 1 26 | 24 0 | 0 28 | 1 9 | 1 11 | 2 15 | 2 16 | 7 22 | 0 44 | 0 48 | 1 38 | 0 3 | 15 13 | 23 6 | 23 0 | 14 11 | 13 32 | 6 53 |
| T 11 | 13 45 | 12 53 | 4 58 | 4 20 | 0 38 | 11 50 | 1 25 | 24 0 | 0 29 | 1 4 | 1 11 | 2 12 | 2 16 | 7 21 | 0 44 | 0 48 | 1 38 | 0 3 | 15 13 | 23 6 | 22 59 | 14 14 | 13 32 | 6 53 |
| F 12 | 13 25 | 7 25 | 5 2 | 3 40 | 0 46 | 11 23 | 1 25 | 24 0 | 0 30 | 1 0 | 1 11 | 2 9 | 2 16 | 7 20 | 0 44 | 0 49 | 1 38 | 0 3 | 15 13 | 23 5 | 22 59 | 14 16 | 13 33 | 6 53 |
| S 13 | 13 6 | 1 31 | 4 47 | 3 1 | 0 55 | 10 55 | 1 25 | 24 0 | 0 30 | 0 55 | 1 11 | 2 7 | 2 16 | 7 18 | 0 44 | 0 50 | 1 38 | 0 2 | 15 13 | 23 4 | 22 59 | 14 19 | 13 34 | 6 52 |
| S 14 | 12 46 | 4s29 | 4 15 | 2 22 | 1 4 | 10 27 | 1 25 | 24 0 | 0 31 | 0 50 | 1 10 | 2 4 | 2 16 | 7 17 | 0 44 | 0 51 | 1 38 | 0 2 | 15 14 | 23 3 | 22 58 | 14 21 | 13 35 | 6 52 |
| M15 | 12 26 | 10 16 | 3 26 | 1 43 | 1 13 | 9 59 | 1 24 | 23 59 | 0 32 | 0 45 | 1 10 | 2 1 | 2 16 | 7 15 | 0 44 | 0 51 | 1 38 | 0 2 | 15 14 | 23 3 | 22 58 | 14 24 | 13 36 | 6 52 |
| T 16 | 12 6 | 15 30 | 2 25 | 1 5 | 1 22 | 9 31 | 1 24 | 23 59 | 0 33 | 0 40 | 1 10 | 1 59 | 2 16 | 7 14 | 0 44 | 0 52 | 1 38 | 0 1 | 15 14 | 23 3 | 22 58 | 14 27 | 13 36 | 6 52 |
| W17 | 11 45 | 19 50 | 1 15 | 0 28 | 1 31 | 9 2 | 1 23 | 23 58 | 0 34 | 0 36 | 1 10 | 1 56 | 2 16 | 7 13 | 0 44 | 0 53 | 1 38 | 0 1 | 15 15 | 23 3 | 22 57 | 14 29 | 13 37 | 6 51 |
| T 18 | 11 25 | 22 59 | 0 2 | 0s 8 | 1 40 | 8 33 | 1 23 | 23 57 | 0 35 | 0 31 | 1 10 | 1 53 | 2 15 | 7 11 | 0 44 | 0 54 | 1 38 | 0 1 | 15 15 | 23 3 | 22 57 | 14 32 | 13 38 | 6 51 |
| F 19 | 11 4 | 24 44 | 1s11 | 0 44 | 1 48 | 8 4 | 1 22 | 23 55 | 0 35 | 0 26 | 1 10 | 1 50 | 2 15 | 7 10 | 0 44 | 0 54 | 1 38 | 0 0 | 15 15 | 23 3 | 22 57 | 14 35 | 13 39 | 6 51 |
| S 20 | 10 43 | 24 56 | 2 19 | 1 19 | 1 57 | 7 34 | 1 21 | 23 54 | 0 36 | 0 21 | 1 10 | 1 48 | 2 15 | 7 8 | 0 44 | 0 55 | 1 38 | 0 0 | 15 15 | 23 3 | 22 57 | 14 37 | 13 40 | 6 51 |
| S 21 | 10 22 | 23 37 | 3 19 | 1 53 | 2 6 | 7 5 | 1 20 | 23 53 | 0 37 | 0 16 | 1 10 | 1 45 | 2 15 | 7 7 | 0 44 | 0 56 | 1 38 | 0s 0 | 15 16 | 23 2 | 22 56 | 14 40 | 13 40 | 6 50 |
| M22 | 10 1 | 20 59 | 4 6 | 2 26 | 2 15 | 6 35 | 1 19 | 23 51 | 0 38 | 0 11 | 1 10 | 1 42 | 2 15 | 7 5 | 0 44 | 0 57 | 1 38 | 0 1 | 15 16 | 23 1 | 22 56 | 14 42 | 13 41 | 6 50 |
| T 23 | 9 40 | 17 16 | 4 39 | 2 58 | 2 23 | 6 5 | 1 19 | 23 49 | 0 39 | 0 6 | 1 10 | 1 39 | 2 15 | 7 4 | 0 44 | 0 58 | 1 38 | 0 1 | 15 16 | 23 0 | 22 56 | 14 45 | 13 42 | 6 50 |
| W24 | 9 18 | 12 47 | 4 57 | 3 28 | 2 32 | 5 35 | 1 18 | 23 47 | 0 40 | 0 1 | 1 10 | 1 37 | 2 15 | 7 2 | 0 44 | 0 58 | 1 38 | 0 1 | 15 16 | 22 59 | 22 55 | 14 47 | 13 43 | 6 49 |
| T 25 | 8 56 | 7 50 | 5 0 | 3 58 | 2 40 | 5 4 | 1 16 | 23 45 | 0 41 | 0s 4 | 1 9 | 1 34 | 2 15 | 7 1 | 0 44 | 0 59 | 1 38 | 0 2 | 15 17 | 22 58 | 22 55 | 14 50 | 13 44 | 6 49 |
| F 26 | 8 35 | 2 39 | 4 48 | 4 26 | 2 48 | 4 34 | 1 15 | 23 42 | 0 42 | 0 9 | 1 9 | 1 31 | 2 15 | 7 0 | 0 44 | 1 0 | 1 38 | 0 2 | 15 17 | 22 57 | 22 55 | 14 53 | 13 44 | 6 49 |
| S 27 | 8 13 | 2n33 | 4 22 | 4 52 | 2 56 | 4 3 | 1 14 | 23 40 | 0 42 | 0 14 | 1 9 | 1 28 | 2 15 | 6 58 | 0 44 | 1 1 | 1 38 | 0 3 | 15 17 | 22 56 | 22 54 | 14 55 | 13 45 | 6 48 |
| S 28 | 7 50 | 7 34 | 3 45 | 5 17 | 3 4 | 3 33 | 1 13 | 23 37 | 0 43 | 0 19 | 1 9 | 1 25 | 2 15 | 6 57 | 0 44 | 1 2 | 1 38 | 0 3 | 15 17 | 22 55 | 22 54 | 14 58 | 13 46 | 6 48 |
| M29 | 7 28 | 12 16 | 2 59 | 5 40 | 3 11 | 3 2 | 1 12 | 23 34 | 0 44 | 0 24 | 1 9 | 1 22 | 2 15 | 6 55 | 0 44 | 1 2 | 1 38 | 0 3 | 15 18 | 22 55 | 22 54 | 15 0 | 13 47 | 6 48 |
| T 30 | 7 6 | 16 28 | 2 5 | 6 1 | 3 18 | 2 31 | 1 10 | 23 31 | 0 45 | 0 29 | 1 9 | 1 20 | 2 15 | 6 54 | 0 44 | 1 3 | 1 38 | 0 4 | 15 18 | 22 54 | 22 54 | 15 3 | 13 47 | 6 47 |
| W31 | 6n43 | 20n 1 | 1s 6 | 6s20 | 3s24 | 2n 0 | 1n 9 | 23n28 | 0n46 | 0s34 | 1n 9 | 1n17 | 2n15 | 6n52 | 0n44 | 1s 4 | 1n38 | 0s 4 | 15s18 | 22n54 | 22n53 | 15n 6 | 13s48 | 6n47 |

Julian Day Number = 2132906.5, Delta T = 16m19s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'39, Lahiri = 11°41'39 Julian Calendar 1 Aug. 1127 == Greg. Calendar 8 Aug. 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## SEPTEMBER 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 3 24 | 13♍56'39 | 16♊11 | 8♎33 | 28♍53 | 15♋35 | 4♎16 | 2♎ 4 | 14♍23 | 6♎28 | 8°R38 | 16°R53 | 16♊40 | 18♉40 | 29°R 2 | T 1 |
| F 2 | 23 7 20 | 14°55'21 | 28°13 | 8°57 | 0♎ 7 | 16°11 | 4°29 | 2°11 | 14°27 | 6°30 | 8♉38 | 16♊53 | 16°37 | 18°47 | 29♂ 0 | F 2 |
| S 3 | 23 11 17 | 15°54'05 | 10♋31 | 9°15 | 1°21 | 16°48 | 4°41 | 2°18 | 14°31 | 6°32 | 8°37 | 16°51 | 16°33 | 18°54 | 28°58 | S 3 |
| S 4 | 23 15 14 | 16°52'51 | 23° 8 | 9°28 | 2°36 | 17°24 | 4°54 | 2°25 | 14°35 | 6°34 | 8°37 | 16°48 | 16°30 | 19° 0 | 28°56 | S 4 |
| M 5 | 23 19 10 | 17°51'40 | 6♌ 9 | 9°34 | 3°50 | 18° 0 | 5° 7 | 2°32 | 14°38 | 6°36 | 8°36 | 16°42 | 16°27 | 19° 7 | 28°54 | M 5 |
| T 6 | 23 23 7 | 18°50'31 | 19°36 | 9°R34 | 5° 5 | 18°35 | 5°20 | 2°39 | 14°42 | 6°38 | 8°35 | 16°33 | 16°24 | 19°14 | 28°52 | T 6 |
| W 7 | 23 27 3 | 19°49'24 | 3♍29 | 9°28 | 6°19 | 19°11 | 5°32 | 2°46 | 14°46 | 6°40 | 8°35 | 16°22 | 16°21 | 19°20 | 28°51 | W 7 |
| T 8 | 23 31 0 | 20°48'20 | 17°43 | 9°14 | 7°34 | 19°47 | 5°45 | 2°54 | 14°50 | 6°42 | 8°34 | 16°10 | 16°18 | 19°27 | 28°49 | T 8 |
| F 9 | 23 34 56 | 21°47'17 | 2♎15 | 8°52 | 8°48 | 20°22 | 5°58 | 3° 1 | 14°53 | 6°45 | 8°33 | 15°58 | 16°14 | 19°34 | 28°48 | F 9 |
| S 10 | 23 38 53 | 22°46'16 | 16°56 | 8°24 | 10° 3 | 20°58 | 6°11 | 3° 8 | 14°57 | 6°47 | 8°32 | 15°48 | 16°11 | 19°40 | 28°46 | S 10 |
| S 11 | 23 42 49 | 23°45'17 | 1♏39 | 7°47 | 11°17 | 21°33 | 6°24 | 3°15 | 15° 1 | 6°49 | 8°32 | 15°40 | 16° 8 | 19°47 | 28°45 | S 11 |
| M12 | 23 46 46 | 24°44'20 | 16°16 | 7° 4 | 12°31 | 22° 9 | 6°37 | 3°22 | 15° 5 | 6°51 | 8°31 | 15°35 | 16° 5 | 19°54 | 28°44 | M12 |
| T 13 | 23 50 43 | 25°43'26 | 0♐43 | 6°13 | 13°46 | 22°44 | 6°50 | 3°30 | 15° 8 | 6°53 | 8°30 | 15°33 | 16° 2 | 20° 0 | 28°42 | T 13 |
| W14 | 23 54 39 | 26°42'32 | 14°56 | 5°16 | 15° 0 | 23°19 | 7° 2 | 3°37 | 15°12 | 6°56 | 8°29 | 15°D32 | 15°58 | 20° 7 | 28°41 | W14 |
| T 15 | 23 58 36 | 27°41'41 | 28°55 | 4°13 | 16°15 | 23°54 | 7°15 | 3°44 | 15°16 | 6°58 | 8°29 | 15°R32 | 15°55 | 20°14 | 28°40 | T 15 |
| F 16 | 0 2 32 | 28°40'52 | 12♑38 | 3° 7 | 17°29 | 24°28 | 7°28 | 3°51 | 15°20 | 7° 0 | 8°28 | 15°32 | 15°52 | 20°20 | 28°39 | F 16 |
| S 17 | 0 6 29 | 29°40'04 | 26° 8 | 1°57 | 18°43 | 25° 3 | 7°41 | 3°59 | 15°23 | 7° 2 | 8°27 | 15°29 | 15°49 | 20°27 | 28°38 | S 17 |
| S 18 | 0 10 25 | 0♒39'18 | 9♓25 | 0°47 | 19°58 | 25°38 | 7°54 | 4° 6 | 15°27 | 7° 5 | 8°26 | 15°24 | 15°46 | 20°34 | 28°37 | S 18 |
| M19 | 0 14 22 | 1°38'34 | 22°30 | 29♍37 | 21°12 | 26°12 | 8° 7 | 4°13 | 15°31 | 7° 7 | 8°25 | 15°16 | 15°43 | 20°40 | 28°36 | M19 |
| T 20 | 0 18 18 | 2°37'51 | 5♈23 | 28°30 | 22°27 | 26°47 | 8°20 | 4°21 | 15°34 | 7° 9 | 8°24 | 15° 6 | 15°39 | 20°47 | 28°35 | T 20 |
| W21 | 0 22 15 | 3°37'11 | 18° 4 | 27°29 | 23°41 | 27°21 | 8°33 | 4°28 | 15°38 | 7°11 | 8°23 | 14°54 | 15°36 | 20°54 | 28°34 | W21 |
| T 22 | 0 26 12 | 4°36'33 | 0♈35 | 26°33 | 24°55 | 27°55 | 8°46 | 4°35 | 15°42 | 7°13 | 8°23 | 14°41 | 15°33 | 21° 0 | 28°34 | T 22 |
| F 23 | 0 30 8 | 5°35'56 | 12°54 | 25°46 | 26°10 | 28°29 | 9° 0 | 4°43 | 15°45 | 7°16 | 8°22 | 14°29 | 15°30 | 21° 7 | 28°33 | F 23 |
| S 24 | 0 34 5 | 6°35'22 | 25° 2 | 25° 8 | 27°24 | 29° 3 | 9°13 | 4°50 | 15°49 | 7°18 | 8°21 | 14°18 | 15°27 | 21°14 | 28°33 | S 24 |
| S 25 | 0 38 1 | 7°34'50 | 7♉ 1 | 24°40 | 28°38 | 29°37 | 9°26 | 4°57 | 15°52 | 7°20 | 8°20 | 14°10 | 15°23 | 21°20 | 28°32 | S 25 |
| M26 | 0 41 58 | 8°34'20 | 18°52 | 24°23 | 29°53 | 0♌10 | 9°39 | 5° 4 | 15°56 | 7°22 | 8°19 | 14° 4 | 15°20 | 21°27 | 28°32 | M26 |
| T 27 | 0 45 54 | 9°33'53 | 0♊40 | 24°D17 | 1♏ 7 | 0°44 | 9°52 | 5°12 | 15°59 | 7°25 | 8°18 | 14° 1 | 15°17 | 21°33 | 28°31 | T 27 |
| W28 | 0 49 51 | 10°33'28 | 12°26 | 24°23 | 2°21 | 1°17 | 10° 5 | 5°19 | 16° 3 | 7°27 | 8°17 | 14°D 0 | 15°14 | 21°40 | 28°31 | W28 |
| T 29 | 0 53 47 | 11°33'05 | 24°17 | 24°39 | 3°36 | 1°50 | 10°18 | 5°26 | 16° 7 | 7°29 | 8°16 | 14° 0 | 15°11 | 21°47 | 28°31 | T 29 |
| F 30 | 0 57 44 | 12♎32'44 | 6♋18 | 25♍ 5 | 4♏50 | 2♌24 | 10♎31 | 5♎34 | 16♍10 | 7♎31 | 8♉15 | 14♊ 1 | 15♊ 8 | 21♉53 | 28♂31 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n21 | 22n46 | 0s 4 | 6s37 | 3s30 | 1n29 | 1n 7 | 23n25 | 0n47 | 0s39 | 1n 9 | 1n14 | 2n14 | 6n51 | 0n44 | 1s 5 | 1n38 | 0s 5 | 15s18 | 22n54 | 22n53 | 15n 8 | 13s49 | 6n47 |
| F 2 | 5 58 | 24 32 | 1n 0 | 6 51 | 3 35 | 0 58 | 1 6 | 23 22 | 0 48 | 0 44 | 1 9 | 1 11 | 2 14 | 6 49 | 0 44 | 1 6 | 1 38 | 0 5 | 15 19 | 22 54 | 22 53 | 15 11 | 13 50 | 6 46 |
| S 3 | 5 35 | 25 9 | 2 2 | 7 3 | 3 40 | 0 26 | 1 4 | 23 18 | 0 49 | 0 49 | 1 9 | 1 8 | 2 14 | 6 48 | 0 44 | 1 7 | 1 38 | 0 5 | 15 19 | 22 54 | 22 52 | 15 13 | 13 50 | 6 46 |
| S 4 | 5 12 | 24 30 | 2 59 | 7 11 | 3 44 | 0s 5 | 1 3 | 23 14 | 0 50 | 0 54 | 1 9 | 1 5 | 2 14 | 6 46 | 0 44 | 1 8 | 1 38 | 0 6 | 15 19 | 22 54 | 22 52 | 15 16 | 13 51 | 6 46 |
| M 5 | 4 49 | 22 31 | 3 49 | 7 17 | 3 46 | 0 36 | 1 1 | 23 10 | 0 51 | 1 0 | 1 9 | 1 2 | 2 14 | 6 45 | 0 44 | 1 8 | 1 38 | 0 6 | 15 19 | 22 53 | 22 52 | 15 18 | 13 52 | 6 45 |
| T 6 | 4 26 | 19 15 | 4 28 | 7 18 | 3 48 | 1 7 | 0 59 | 23 6 | 0 52 | 1 5 | 1 9 | 1 0 | 2 14 | 6 43 | 0 44 | 1 9 | 1 38 | 0 7 | 15 20 | 22 52 | 22 51 | 15 21 | 13 53 | 6 45 |
| W 7 | 4 3 | 14 49 | 4 53 | 7 16 | 3 49 | 1 39 | 0 57 | 23 2 | 0 53 | 1 10 | 1 9 | 0 57 | 2 14 | 6 42 | 0 44 | 1 10 | 1 38 | 0 7 | 15 20 | 22 51 | 22 51 | 15 24 | 13 53 | 6 44 |
| T 8 | 3 40 | 9 29 | 5 0 | 7 11 | 3 49 | 2 10 | 0 55 | 22 58 | 0 53 | 1 15 | 1 8 | 0 54 | 2 14 | 6 41 | 0 44 | 1 11 | 1 38 | 0 7 | 15 20 | 22 50 | 22 51 | 15 26 | 13 54 | 6 44 |
| F 9 | 3 16 | 3 31 | 4 49 | 7 0 | 3 47 | 2 41 | 0 54 | 22 54 | 0 54 | 1 20 | 1 8 | 0 51 | 2 14 | 6 39 | 0 44 | 1 12 | 1 38 | 0 8 | 15 20 | 22 49 | 22 50 | 15 29 | 13 55 | 6 44 |
| S 10 | 2 53 | 2s43 | 4 18 | 6 46 | 3 44 | 3 12 | 0 52 | 22 49 | 0 55 | 1 25 | 1 8 | 0 48 | 2 14 | 6 38 | 0 44 | 1 13 | 1 38 | 0 8 | 15 20 | 22 48 | 22 50 | 15 31 | 13 55 | 6 43 |
| S 11 | 2 29 | 8 49 | 3 30 | 6 27 | 3 39 | 3 43 | 0 50 | 22 45 | 0 56 | 1 30 | 1 8 | 0 45 | 2 14 | 6 36 | 0 44 | 1 14 | 1 38 | 0 9 | 15 21 | 22 47 | 22 50 | 15 34 | 13 56 | 6 43 |
| M12 | 2 6 | 14 25 | 2 28 | 6 3 | 3 32 | 4 14 | 0 48 | 22 40 | 0 57 | 1 36 | 1 8 | 0 42 | 2 14 | 6 35 | 0 44 | 1 14 | 1 38 | 0 9 | 15 21 | 22 46 | 22 49 | 15 36 | 13 57 | 6 42 |
| T 13 | 1 42 | 19 8 | 1 18 | 5 35 | 3 23 | 4 45 | 0 45 | 22 35 | 0 58 | 1 41 | 1 8 | 0 39 | 2 14 | 6 33 | 0 44 | 1 15 | 1 38 | 0 9 | 15 21 | 22 46 | 22 49 | 15 39 | 13 57 | 6 42 |
| W14 | 1 19 | 22 39 | 0 3 | 5 3 | 3 13 | 5 16 | 0 43 | 22 30 | 0 59 | 1 46 | 1 8 | 0 36 | 2 14 | 6 32 | 0 44 | 1 16 | 1 38 | 0 10 | 15 21 | 22 46 | 22 49 | 15 41 | 13 58 | 6 42 |
| T 15 | 0 55 | 24 43 | 1s10 | 4 26 | 3 0 | 5 47 | 0 41 | 22 25 | 1 0 | 1 51 | 1 8 | 0 33 | 2 14 | 6 30 | 0 44 | 1 17 | 1 38 | 0 10 | 15 21 | 22 46 | 22 48 | 15 44 | 13 59 | 6 41 |
| F 16 | 0 32 | 25 15 | 2 18 | 3 46 | 2 46 | 6 18 | 0 39 | 22 20 | 1 1 | 1 56 | 1 8 | 0 31 | 2 14 | 6 29 | 0 44 | 1 18 | 1 38 | 0 11 | 15 22 | 22 46 | 22 48 | 15 46 | 13 59 | 6 41 |
| S 17 | 0 8 | 24 15 | 3 17 | 3 4 | 2 30 | 6 48 | 0 37 | 22 14 | 1 2 | 2 1 | 1 8 | 0 28 | 2 14 | 6 27 | 0 44 | 1 19 | 1 38 | 0 11 | 15 22 | 22 46 | 22 48 | 15 49 | 14 0 | 6 40 |
| S 18 | 0s16 | 21 55 | 4 5 | 2 20 | 2 12 | 7 19 | 0 34 | 22 9 | 1 3 | 2 7 | 1 8 | 0 25 | 2 14 | 6 26 | 0 44 | 1 20 | 1 38 | 0 12 | 15 22 | 22 45 | 22 47 | 15 51 | 14 0 | 6 40 |
| M19 | 0 39 | 18 28 | 4 38 | 1 34 | 1 53 | 7 49 | 0 32 | 22 4 | 1 4 | 2 12 | 1 8 | 0 22 | 2 14 | 6 25 | 0 44 | 1 21 | 1 38 | 0 12 | 15 22 | 22 44 | 22 47 | 15 54 | 14 1 | 6 39 |
| T 20 | 1 3 | 14 11 | 4 57 | 0 50 | 1 33 | 8 19 | 0 30 | 21 58 | 1 5 | 2 17 | 1 8 | 0 19 | 2 14 | 6 23 | 0 44 | 1 22 | 1 38 | 0 12 | 15 22 | 22 43 | 22 47 | 15 57 | 14 2 | 6 39 |
| W21 | 1 27 | 9 21 | 5 1 | 0 6 | 1 13 | 8 49 | 0 27 | 21 52 | 1 6 | 2 22 | 1 8 | 0 16 | 2 14 | 6 22 | 0 44 | 1 22 | 1 38 | 0 13 | 15 22 | 22 42 | 22 46 | 15 59 | 14 2 | 6 38 |
| T 22 | 1 50 | 4 12 | 4 50 | 0n35 | 0 52 | 9 18 | 0 25 | 21 46 | 1 7 | 2 27 | 1 8 | 0 13 | 2 14 | 6 20 | 0 44 | 1 23 | 1 38 | 0 13 | 15 23 | 22 40 | 22 46 | 16 2 | 14 3 | 6 38 |
| F 23 | 2 14 | 1n 2 | 4 26 | 1 12 | 0 32 | 9 48 | 0 22 | 21 40 | 1 8 | 2 32 | 1 8 | 0 10 | 2 14 | 6 19 | 0 44 | 1 24 | 1 38 | 0 14 | 15 23 | 22 39 | 22 46 | 16 4 | 14 3 | 6 38 |
| S 24 | 2 38 | 6 10 | 3 50 | 1 46 | 0 12 | 10 17 | 0 20 | 21 34 | 1 9 | 2 38 | 1 8 | 0 7 | 2 14 | 6 18 | 0 44 | 1 25 | 1 38 | 0 14 | 15 23 | 22 37 | 22 45 | 16 7 | 14 4 | 6 37 |
| S 25 | 3 1 | 11 2 | 3 4 | 2 14 | 0n 7 | 10 46 | 0 17 | 21 28 | 1 10 | 2 43 | 1 8 | 0 5 | 2 14 | 6 16 | 0 44 | 1 26 | 1 38 | 0 15 | 15 23 | 22 36 | 22 45 | 16 9 | 14 4 | 6 37 |
| M26 | 3 25 | 15 26 | 2 10 | 2 37 | 0 25 | 11 15 | 0 15 | 21 22 | 1 11 | 2 48 | 1 8 | 0 2 | 2 14 | 6 15 | 0 44 | 1 27 | 1 38 | 0 15 | 15 23 | 22 36 | 22 45 | 16 12 | 14 5 | 6 36 |
| T 27 | 3 48 | 19 14 | 1 11 | 2 54 | 0 41 | 11 44 | 0 12 | 21 16 | 1 12 | 2 53 | 1 8 | 0s 1 | 2 14 | 6 13 | 0 44 | 1 28 | 1 38 | 0 15 | 15 23 | 22 35 | 22 44 | 16 14 | 14 5 | 6 36 |
| W28 | 4 12 | 22 15 | 0 8 | 3 6 | 0 56 | 12 12 | 0 10 | 21 9 | 1 13 | 2 58 | 1 8 | 0 4 | 2 14 | 6 12 | 0 44 | 1 29 | 1 38 | 0 16 | 15 23 | 22 35 | 22 44 | 16 17 | 14 6 | 6 35 |
| T 29 | 4 35 | 24 21 | 0n55 | 3 12 | 1 10 | 12 40 | 0 7 | 21 3 | 1 14 | 3 3 | 1 8 | 0 7 | 2 14 | 6 11 | 0 44 | 1 29 | 1 38 | 0 16 | 15 24 | 22 35 | 22 43 | 16 19 | 14 6 | 6 35 |
| F 30 | 4s59 | 25n21 | 1n56 | 3n13 | 1n22 | 13s 7 | 0n 5 | 20n57 | 1n15 | 3s 9 | 1n 8 | 0s10 | 2n14 | 6n 9 | 0n44 | 1s30 | 1n38 | 0s17 | 15s24 | 22n35 | 22n43 | 16n22 | 14s 7 | 6n34 |

Julian Day Number = 2132937.5, Delta T = 16m19s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'43, Lahiri = 11°41'43 Julian Calendar 1 Sept. 1127 == Greg. Calendar 8 Sept. 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## OCTOBER 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 1 41 | 13♎32'26 | 18♋33 | 25♍40 | 6♏ 4 | 2♑57 | 10♎44 | 5♎41 | 16♍14 | 7♎34 | 8°R14 | 14°R 1 | 15♊ 4 | 22♉ 0 | 28°D31 | S 1 |
| S 2 | 1 5 37 | 14°32'10 | 1♑ 7 | 26°25 | 7°19 | 3°29 | 10°57 | 5°48 | 16°17 | 7°36 | 8♉13 | 13♊59 | 15° 1 | 22° 7 | 28♂31 | S 2 |
| M 3 | 1 9 34 | 15°31'56 | 14° 7 | 27°17 | 8°33 | 4° 2 | 11°10 | 5°55 | 16°20 | 7°38 | 8°12 | 13°56 | 14°58 | 22°13 | 28°31 | M 3 |
| T 4 | 1 13 30 | 16°31'45 | 27°34 | 28°17 | 9°47 | 4°35 | 11°23 | 6° 3 | 16°24 | 7°40 | 8°11 | 13°50 | 14°55 | 22°20 | 28°31 | T 4 |
| W 5 | 1 17 27 | 17°31'36 | 11♍30 | 29°23 | 11° 2 | 5° 7 | 11°36 | 6°10 | 16°27 | 7°43 | 8°10 | 13°42 | 14°52 | 22°27 | 28°31 | W 5 |
| T 6 | 1 21 23 | 18°31'29 | 25°53 | 0♎35 | 12°16 | 5°40 | 11°49 | 6°17 | 16°31 | 7°45 | 8° 9 | 13°33 | 14°49 | 22°33 | 28°32 | T 6 |
| F 7 | 1 25 20 | 19°31'24 | 10♎38 | 1°51 | 13°30 | 6°12 | 12° 2 | 6°24 | 16°34 | 7°47 | 8° 8 | 13°24 | 14°45 | 22°40 | 28°32 | F 7 |
| S 8 | 1 29 16 | 20°31'21 | 25°38 | 3°11 | 14°45 | 6°44 | 12°15 | 6°31 | 16°37 | 7°49 | 8° 7 | 13°16 | 14°42 | 22°47 | 28°32 | S 8 |
| S 9 | 1 33 13 | 21°31'20 | 10♏43 | 4°35 | 15°59 | 7°16 | 12°28 | 6°39 | 16°40 | 7°51 | 8° 6 | 13°11 | 14°39 | 22°53 | 28°33 | S 9 |
| M10 | 1 37 9 | 22°31'21 | 25°44 | 6° 2 | 17°13 | 7°47 | 12°41 | 6°46 | 16°44 | 7°54 | 8° 5 | 13° 7 | 14°36 | 23° 0 | 28°33 | M10 |
| T 11 | 1 41 6 | 23°31'24 | 10♐32 | 7°31 | 18°27 | 8°19 | 12°54 | 6°53 | 16°47 | 7°56 | 8° 3 | 13°D 6 | 14°33 | 23° 7 | 28°34 | T 11 |
| W12 | 1 45 3 | 24°31'28 | 25° 2 | 9° 3 | 19°42 | 8°50 | 13° 7 | 7° 0 | 16°50 | 7°58 | 8° 2 | 13° 6 | 14°29 | 23°13 | 28°35 | W12 |
| T 13 | 1 48 59 | 25°31'34 | 9♑10 | 10°35 | 20°56 | 9°21 | 13°20 | 7° 7 | 16°53 | 8° 0 | 8° 1 | 13° 7 | 14°26 | 23°20 | 28°36 | T 13 |
| F 14 | 1 52 56 | 26°31'42 | 22°57 | 12°10 | 22°10 | 9°52 | 13°33 | 7°14 | 16°56 | 8° 2 | 8° 0 | 13°R 8 | 14°23 | 23°27 | 28°36 | F 14 |
| S 15 | 1 56 52 | 27°31'51 | 6♒24 | 13°45 | 23°24 | 10°23 | 13°46 | 7°21 | 17° 0 | 8° 4 | 7°59 | 13° 8 | 14°20 | 23°33 | 28°37 | S 15 |
| S 16 | 2 0 49 | 28°32'02 | 19°31 | 15°21 | 24°39 | 10°54 | 13°59 | 7°28 | 17° 3 | 8° 6 | 7°58 | 13° 6 | 14°17 | 23°40 | 28°38 | S 16 |
| M17 | 2 4 45 | 29°32'14 | 2♓22 | 16°57 | 25°53 | 11°24 | 14°12 | 7°35 | 17° 6 | 8° 9 | 7°57 | 13° 1 | 14°14 | 23°47 | 28°39 | M17 |
| T 18 | 2 8 42 | 0♏32'28 | 14°59 | 18°34 | 27° 7 | 11°55 | 14°25 | 7°42 | 17° 9 | 8°11 | 7°56 | 12°55 | 14°10 | 23°53 | 28°41 | T 18 |
| W19 | 2 12 39 | 1°32'44 | 27°24 | 20°12 | 28°21 | 12°25 | 14°38 | 7°49 | 17°12 | 8°13 | 7°55 | 12°48 | 14° 7 | 24° 0 | 28°42 | W19 |
| T 20 | 2 16 35 | 2°33'01 | 9♈39 | 21°49 | 29°35 | 12°55 | 14°50 | 7°56 | 17°15 | 8°15 | 7°53 | 12°40 | 14° 4 | 24° 7 | 28°43 | T 20 |
| F 21 | 2 20 32 | 3°33'19 | 21°45 | 23°27 | 0♐50 | 13°25 | 15° 3 | 8° 3 | 17°18 | 8°17 | 7°52 | 12°33 | 14° 1 | 24°13 | 28°44 | F 21 |
| S 22 | 2 24 28 | 4°33'40 | 3♉44 | 25° 4 | 2° 4 | 13°54 | 15°16 | 8° 9 | 17°20 | 8°19 | 7°51 | 12°26 | 13°58 | 24°20 | 28°46 | S 22 |
| S 23 | 2 28 25 | 5°34'02 | 15°36 | 26°42 | 3°18 | 14°24 | 15°29 | 8°16 | 17°23 | 8°21 | 7°50 | 12°21 | 13°55 | 24°27 | 28°47 | S 23 |
| M24 | 2 32 21 | 6°34'26 | 27°25 | 28°19 | 4°32 | 14°53 | 15°41 | 8°23 | 17°26 | 8°23 | 7°49 | 12°18 | 13°51 | 24°33 | 28°49 | M24 |
| T 25 | 2 36 18 | 7°34'52 | 9♊12 | 29°56 | 5°46 | 15°22 | 15°54 | 8°30 | 17°29 | 8°25 | 7°48 | 12°D17 | 13°48 | 24°40 | 28°50 | T 25 |
| W26 | 2 40 14 | 8°35'19 | 21° 0 | 1♏33 | 7° 0 | 15°51 | 16° 6 | 8°36 | 17°32 | 8°27 | 7°47 | 12°17 | 13°45 | 24°46 | 28°52 | W26 |
| T 27 | 2 44 11 | 9°35'49 | 2♋52 | 3°10 | 8°14 | 16°19 | 16°19 | 8°43 | 17°34 | 8°29 | 7°46 | 12°19 | 13°42 | 24°53 | 28°54 | T 27 |
| F 28 | 2 48 7 | 10°36'20 | 14°53 | 4°47 | 9°28 | 16°48 | 16°32 | 8°50 | 17°37 | 8°31 | 7°44 | 12°21 | 13°39 | 25° 0 | 28°56 | F 28 |
| S 29 | 2 52 4 | 11°36'53 | 27° 7 | 6°23 | 10°42 | 17°16 | 16°44 | 8°56 | 17°39 | 8°33 | 7°43 | 12°22 | 13°35 | 25° 6 | 28°57 | S 29 |
| S 30 | 2 56 1 | 12°37'28 | 9♑39 | 7°59 | 11°56 | 17°44 | 16°56 | 9° 3 | 17°42 | 8°35 | 7°42 | 12°R23 | 13°32 | 25°13 | 28°59 | S 30 |
| M31 | 2 59 57 | 13♏38'05 | 22♑32 | 9♏35 | 13♐10 | 18♑12 | 17♎ 9 | 9♎ 9 | 17♍45 | 8♎37 | 7♉41 | 12♊23 | 13♊29 | 25♉20 | 29♂ 1 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s22 | 25n 8 | 2n54 | 3n 8 | 1n32 | 13s35 | 0n 2 | 20n50 | 1n16 | 3s14 | 1n 8 | 0s13 | 2n15 | 6n 8 | 0n44 | 1s31 | 1n38 | 0s17 | 15s24 | 22n35 | 22n43 | 16n24 | 14s 7 | 6n34 |
| S 2 | 5 45 | 23 39 | 3 45 | 2 58 | 1 41 | 14 2 | 0s 1 | 20 43 | 1 17 | 3 19 | 1 8 | 0 15 | 2 15 | 6 7 | 0 44 | 1 32 | 1 38 | 0 17 | 15 24 | 22 35 | 22 42 | 16 27 | 14 8 | 6 33 |
| M 3 | 6 9 | 20 54 | 4 26 | 2 44 | 1 48 | 14 29 | 0 3 | 20 37 | 1 19 | 3 24 | 1 8 | 0 18 | 2 15 | 6 5 | 0 44 | 1 33 | 1 38 | 0 18 | 15 24 | 22 35 | 22 42 | 16 29 | 14 8 | 6 33 |
| T 4 | 6 32 | 16 58 | 4 54 | 2 26 | 1 54 | 14 55 | 0 6 | 20 30 | 1 20 | 3 29 | 1 8 | 0 21 | 2 15 | 6 4 | 0 44 | 1 34 | 1 38 | 0 18 | 15 24 | 22 34 | 22 42 | 16 32 | 14 9 | 6 33 |
| W 5 | 6 55 | 11 59 | 5 6 | 2 4 | 1 59 | 15 21 | 0 9 | 20 23 | 1 21 | 3 34 | 1 8 | 0 24 | 2 15 | 6 3 | 0 44 | 1 35 | 1 38 | 0 19 | 15 24 | 22 33 | 22 41 | 16 34 | 14 9 | 6 32 |
| T 6 | 7 18 | 6 13 | 4 59 | 1 38 | 2 2 | 15 46 | 0 12 | 20 16 | 1 22 | 3 39 | 1 8 | 0 27 | 2 15 | 6 2 | 0 44 | 1 36 | 1 38 | 0 19 | 15 24 | 22 32 | 22 41 | 16 37 | 14 10 | 6 32 |
| F 7 | 7 40 | 0s 3 | 4 32 | 1 10 | 2 4 | 16 12 | 0 14 | 20 9 | 1 23 | 3 44 | 1 8 | 0 30 | 2 15 | 6 0 | 0 44 | 1 36 | 1 38 | 0 19 | 15 24 | 22 31 | 22 41 | 16 39 | 14 10 | 6 31 |
| S 8 | 8 3 | 6 26 | 3 47 | 0 39 | 2 6 | 16 36 | 0 17 | 20 2 | 1 24 | 3 50 | 1 8 | 0 32 | 2 15 | 5 59 | 0 44 | 1 37 | 1 38 | 0 20 | 15 24 | 22 30 | 22 40 | 16 41 | 14 10 | 6 31 |
| S 9 | 8 26 | 12 30 | 2 45 | 0 6 | 2 6 | 17 1 | 0 20 | 19 55 | 1 25 | 3 55 | 1 8 | 0 35 | 2 15 | 5 58 | 0 44 | 1 38 | 1 38 | 0 20 | 15 24 | 22 29 | 22 40 | 16 44 | 14 11 | 6 30 |
| M10 | 8 48 | 17 47 | 1 32 | 0s30 | 2 5 | 17 25 | 0 22 | 19 48 | 1 26 | 4 0 | 1 8 | 0 38 | 2 15 | 5 56 | 0 44 | 1 39 | 1 38 | 0 21 | 15 25 | 22 29 | 22 40 | 16 46 | 14 11 | 6 30 |
| T 11 | 9 11 | 21 54 | 0 14 | 1 6 | 2 4 | 17 48 | 0 25 | 19 41 | 1 27 | 4 5 | 1 8 | 0 41 | 2 15 | 5 55 | 0 44 | 1 40 | 1 38 | 0 21 | 15 25 | 22 29 | 22 39 | 16 49 | 14 11 | 6 29 |
| W12 | 9 33 | 24 32 | 1s 4 | 1 44 | 2 2 | 18 11 | 0 28 | 19 34 | 1 29 | 4 10 | 1 8 | 0 43 | 2 15 | 5 54 | 0 44 | 1 41 | 1 38 | 0 21 | 15 25 | 22 29 | 22 39 | 16 51 | 14 12 | 6 29 |
| T 13 | 9 55 | 25 30 | 2 16 | 2 23 | 1 59 | 18 34 | 0 31 | 19 26 | 1 30 | 4 15 | 1 8 | 0 46 | 2 15 | 5 53 | 0 44 | 1 42 | 1 38 | 0 22 | 15 25 | 22 29 | 22 38 | 16 54 | 14 12 | 6 28 |
| F 14 | 10 17 | 24 51 | 3 18 | 3 3 | 1 56 | 18 56 | 0 33 | 19 19 | 1 31 | 4 20 | 1 8 | 0 49 | 2 15 | 5 52 | 0 44 | 1 42 | 1 38 | 0 22 | 15 25 | 22 29 | 22 38 | 16 56 | 14 12 | 6 28 |
| S 15 | 10 39 | 22 46 | 4 8 | 3 44 | 1 52 | 19 18 | 0 36 | 19 12 | 1 32 | 4 25 | 1 8 | 0 51 | 2 15 | 5 50 | 0 44 | 1 43 | 1 38 | 0 23 | 15 25 | 22 29 | 22 38 | 16 59 | 14 12 | 6 27 |
| S 16 | 11 0 | 19 31 | 4 44 | 4 25 | 1 48 | 19 39 | 0 39 | 19 4 | 1 33 | 4 30 | 1 8 | 0 54 | 2 16 | 5 49 | 0 44 | 1 44 | 1 38 | 0 23 | 15 25 | 22 29 | 22 37 | 17 1 | 14 13 | 6 27 |
| M17 | 11 22 | 15 24 | 5 4 | 5 6 | 1 43 | 19 59 | 0 41 | 18 57 | 1 34 | 4 35 | 1 8 | 0 57 | 2 16 | 5 48 | 0 44 | 1 45 | 1 38 | 0 23 | 15 25 | 22 28 | 22 37 | 17 4 | 14 13 | 6 27 |
| T 18 | 11 43 | 10 41 | 5 9 | 5 48 | 1 38 | 20 19 | 0 44 | 18 50 | 1 36 | 4 40 | 1 8 | 0 59 | 2 16 | 5 47 | 0 44 | 1 46 | 1 38 | 0 24 | 15 25 | 22 27 | 22 37 | 17 6 | 14 13 | 6 26 |
| W19 | 12 4 | 5 37 | 4 59 | 6 30 | 1 33 | 20 39 | 0 47 | 18 42 | 1 37 | 4 45 | 1 8 | 1 2 | 2 16 | 5 46 | 0 44 | 1 46 | 1 38 | 0 24 | 15 25 | 22 26 | 22 36 | 17 9 | 14 13 | 6 26 |
| T 20 | 12 25 | 0 23 | 4 36 | 7 11 | 1 27 | 20 58 | 0 49 | 18 35 | 1 38 | 4 50 | 1 8 | 1 5 | 2 16 | 5 45 | 0 44 | 1 47 | 1 38 | 0 24 | 15 25 | 22 25 | 22 36 | 17 11 | 14 14 | 6 25 |
| F 21 | 12 46 | 4n48 | 4 0 | 7 53 | 1 22 | 21 16 | 0 52 | 18 28 | 1 39 | 4 54 | 1 8 | 1 7 | 2 16 | 5 43 | 0 44 | 1 48 | 1 38 | 0 25 | 15 25 | 22 24 | 22 35 | 17 13 | 14 14 | 6 25 |
| S 22 | 13 6 | 9 46 | 3 15 | 8 34 | 1 16 | 21 34 | 0 54 | 18 20 | 1 40 | 4 59 | 1 8 | 1 10 | 2 16 | 5 42 | 0 44 | 1 49 | 1 38 | 0 25 | 15 25 | 22 24 | 22 35 | 17 16 | 14 14 | 6 24 |
| S 23 | 13 26 | 14 21 | 2 20 | 9 16 | 1 10 | 21 51 | 0 57 | 18 13 | 1 42 | 5 4 | 1 8 | 1 13 | 2 16 | 5 41 | 0 44 | 1 50 | 1 38 | 0 25 | 15 25 | 22 23 | 22 35 | 17 18 | 14 14 | 6 24 |
| M24 | 13 46 | 18 22 | 1 20 | 9 56 | 1 3 | 22 7 | 1 0 | 18 5 | 1 43 | 5 9 | 1 8 | 1 15 | 2 16 | 5 40 | 0 45 | 1 50 | 1 38 | 0 26 | 15 25 | 22 23 | 22 34 | 17 21 | 14 14 | 6 23 |
| T 25 | 14 6 | 21 39 | 0 17 | 10 37 | 0 57 | 22 23 | 1 2 | 17 58 | 1 44 | 5 14 | 1 8 | 1 18 | 2 17 | 5 39 | 0 45 | 1 51 | 1 38 | 0 26 | 15 25 | 22 22 | 22 34 | 17 23 | 14 14 | 6 23 |
| W26 | 14 26 | 24 2 | 0n48 | 11 17 | 0 50 | 22 39 | 1 5 | 17 50 | 1 45 | 5 19 | 1 8 | 1 20 | 2 17 | 5 38 | 0 45 | 1 52 | 1 38 | 0 26 | 15 25 | 22 22 | 22 34 | 17 26 | 14 14 | 6 23 |
| T 27 | 14 45 | 25 22 | 1 50 | 11 57 | 0 44 | 22 53 | 1 7 | 17 43 | 1 47 | 5 24 | 1 9 | 1 23 | 2 17 | 5 37 | 0 45 | 1 53 | 1 38 | 0 27 | 15 25 | 22 23 | 22 33 | 17 28 | 14 15 | 6 22 |
| F 28 | 15 4 | 25 31 | 2 49 | 12 36 | 0 37 | 23 7 | 1 9 | 17 36 | 1 48 | 5 28 | 1 9 | 1 25 | 2 17 | 5 36 | 0 45 | 1 53 | 1 38 | 0 27 | 15 25 | 22 23 | 22 33 | 17 30 | 14 15 | 6 22 |
| S 29 | 15 23 | 24 27 | 3 42 | 13 14 | 0 30 | 23 21 | 1 12 | 17 28 | 1 49 | 5 33 | 1 9 | 1 28 | 2 17 | 5 35 | 0 45 | 1 54 | 1 38 | 0 27 | 15 25 | 22 23 | 22 32 | 17 33 | 14 15 | 6 21 |
| S 30 | 15 42 | 22 10 | 4 25 | 13 52 | 0 24 | 23 33 | 1 14 | 17 21 | 1 51 | 5 38 | 1 9 | 1 30 | 2 17 | 5 34 | 0 45 | 1 55 | 1 38 | 0 28 | 15 25 | 22 23 | 22 32 | 17 35 | 14 15 | 6 21 |
| M31 | 16s 0 | 18n43 | 4n56 | 14s29 | 0n17 | 23s45 | 1s16 | 17n13 | 1n52 | 5s42 | 1n 9 | 1s32 | 2n17 | 5n33 | 0n45 | 1s56 | 1n38 | 0s28 | 15s25 | 22n23 | 22n32 | 17n38 | 14s15 | 6n20 |

Julian Day Number = 2132967.5, Delta T = 16m18s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'47, Lahiri = 11°41'47 Julian Calendar 1 Oct. 1127 == Greg. Calendar 8 Oct. 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## NOVEMBER 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 3 54 | 14♏38'43 | 5♍52 | 11♏11 | 14♐24 | 18♌39 | 17♎21 | 9♎16 | 17♍47 | 8♎39 | 7°R40 | 12°R21 | 13♊26 | 25♉26 | 29♑ 3 | T 1 |
| W 2 | 3 7 50 | 15°39'23 | 19°39 | 12°47 | 15°38 | 19° 6 | 17°34 | 9°22 | 17°49 | 8°41 | 7♉39 | 12♊18 | 13°23 | 25°33 | 29° 5 | W 2 |
| T 3 | 3 11 47 | 16°40'05 | 3♎55 | 14°22 | 16°52 | 19°33 | 17°46 | 9°28 | 17°52 | 8°43 | 7°38 | 12°15 | 13°20 | 25°40 | 29° 8 | T 3 |
| F 4 | 3 15 43 | 17°40'49 | 18°37 | 15°57 | 18° 6 | 20° 0 | 17°58 | 9°35 | 17°54 | 8°44 | 7°37 | 12°11 | 13°16 | 25°46 | 29°10 | F 4 |
| S 5 | 3 19 40 | 18°41'34 | 3♏39 | 17°32 | 19°20 | 20°27 | 18°10 | 9°41 | 17°57 | 8°46 | 7°36 | 12° 8 | 13°13 | 25°53 | 29°12 | S 5 |
| S 6 | 3 23 36 | 19°42'20 | 18°51 | 19° 7 | 20°34 | 20°53 | 18°22 | 9°47 | 17°59 | 8°48 | 7°34 | 12° 6 | 13°10 | 26° 0 | 29°15 | S 6 |
| M 7 | 3 27 33 | 20°43'08 | 4♐ 6 | 20°42 | 21°48 | 21°19 | 18°34 | 9°53 | 18° 1 | 8°50 | 7°33 | 12° 4 | 13° 7 | 26° 6 | 29°17 | M 7 |
| T 8 | 3 31 30 | 21°43'58 | 19°11 | 22°16 | 23° 2 | 21°45 | 18°46 | 9°59 | 18° 3 | 8°52 | 7°32 | 12°D 4 | 13° 4 | 26°13 | 29°19 | T 8 |
| W 9 | 3 35 26 | 22°44'48 | 3♑59 | 23°51 | 24°16 | 22°10 | 18°58 | 10° 5 | 18° 5 | 8°53 | 7°31 | 12° 5 | 13° 1 | 26°20 | 29°22 | W 9 |
| T 10 | 3 39 23 | 23°45'40 | 18°25 | 25°25 | 25°30 | 22°35 | 19°10 | 10°11 | 18° 7 | 8°55 | 7°30 | 12° 7 | 12°57 | 26°26 | 29°25 | T 10 |
| F 11 | 3 43 19 | 24°46'32 | 2♒25 | 26°59 | 26°44 | 23° 0 | 19°22 | 10°17 | 18° 9 | 8°57 | 7°29 | 12° 8 | 12°54 | 26°33 | 29°27 | F 11 |
| S 12 | 3 47 16 | 25°47'25 | 15°59 | 28°33 | 27°58 | 23°25 | 19°34 | 10°23 | 18°11 | 8°59 | 7°28 | 12° 9 | 12°51 | 26°40 | 29°30 | S 12 |
| S 13 | 3 51 12 | 26°48'20 | 29° 9 | 0♐ 7 | 29°11 | 23°49 | 19°45 | 10°29 | 18°13 | 9° 0 | 7°27 | 12°R 9 | 12°48 | 26°46 | 29°33 | S 13 |
| M14 | 3 55 9 | 27°49'14 | 11♓57 | 1°41 | 0♑25 | 24°13 | 19°57 | 10°34 | 18°15 | 9° 2 | 7°26 | 12° 8 | 12°45 | 26°53 | 29°36 | M14 |
| T 15 | 3 59 6 | 28°50'10 | 24°26 | 3°15 | 1°39 | 24°37 | 20° 9 | 10°40 | 18°17 | 9° 3 | 7°25 | 12° 7 | 12°41 | 27° 0 | 29°38 | T 15 |
| W16 | 4 3 2 | 29°51'07 | 6♈42 | 4°49 | 2°53 | 25° 0 | 20°20 | 10°46 | 18°19 | 9° 5 | 7°24 | 12° 6 | 12°38 | 27° 6 | 29°41 | W16 |
| T 17 | 4 6 59 | 0♐52'04 | 18°46 | 6°23 | 4° 6 | 25°23 | 20°32 | 10°51 | 18°21 | 9° 7 | 7°23 | 12° 4 | 12°35 | 27°13 | 29°44 | T 17 |
| F 18 | 4 10 55 | 1°53'02 | 0♉42 | 7°57 | 5°20 | 25°46 | 20°43 | 10°57 | 18°22 | 9° 8 | 7°22 | 12° 2 | 12°32 | 27°19 | 29°47 | F 18 |
| S 19 | 4 14 52 | 2°54'01 | 12°33 | 9°31 | 6°34 | 26° 8 | 20°54 | 11° 2 | 18°24 | 9°10 | 7°21 | 12° 1 | 12°29 | 27°26 | 29°51 | S 19 |
| S 20 | 4 18 48 | 3°55'01 | 24°22 | 11° 5 | 7°47 | 26°30 | 21° 6 | 11° 8 | 18°26 | 9°11 | 7°20 | 12° 0 | 12°26 | 27°33 | 29°54 | S 20 |
| M21 | 4 22 45 | 4°56'01 | 6♊10 | 12°39 | 9° 1 | 26°52 | 21°17 | 11°13 | 18°27 | 9°13 | 7°19 | 12°D 0 | 12°22 | 27°39 | 29°57 | M21 |
| T 22 | 4 26 41 | 5°57'03 | 18° 0 | 14°13 | 10°14 | 27°13 | 21°28 | 11°18 | 18°29 | 9°14 | 7°18 | 12° 0 | 12°19 | 27°46 | 0♒ 0 | T 22 |
| W23 | 4 30 38 | 6°58'06 | 29°53 | 15°47 | 11°28 | 27°34 | 21°39 | 11°23 | 18°30 | 9°15 | 7°17 | 12° 0 | 12°16 | 27°53 | 0° 3 | W23 |
| T 24 | 4 34 35 | 7°59'09 | 11♋53 | 17°21 | 12°41 | 27°55 | 21°50 | 11°28 | 18°31 | 9°17 | 7°16 | 12° 0 | 12°13 | 27°59 | 0° 7 | T 24 |
| F 25 | 4 38 31 | 9° 0'13 | 24° 1 | 18°55 | 13°55 | 28°15 | 22° 1 | 11°33 | 18°33 | 9°18 | 7°15 | 12° 1 | 12°10 | 28° 6 | 0°10 | F 25 |
| S 26 | 4 42 28 | 10° 1'18 | 6♌21 | 20°29 | 15° 8 | 28°35 | 22°11 | 11°38 | 18°34 | 9°19 | 7°14 | 12° 1 | 12° 7 | 28°13 | 0°14 | S 26 |
| S 27 | 4 46 24 | 11° 2'24 | 18°55 | 22° 3 | 16°21 | 28°55 | 22°22 | 11°43 | 18°35 | 9°21 | 7°13 | 12° 1 | 12° 3 | 28°19 | 0°17 | S 27 |
| M28 | 4 50 21 | 12° 3'31 | 1♍47 | 23°37 | 17°35 | 29°14 | 22°33 | 11°48 | 18°36 | 9°22 | 7°12 | 12°R 1 | 12° 0 | 28°26 | 0°21 | M28 |
| T 29 | 4 54 17 | 13° 4'39 | 15° 0 | 25°11 | 18°48 | 29°32 | 22°43 | 11°53 | 18°37 | 9°23 | 7°11 | 12°D 1 | 11°57 | 28°33 | 0°24 | T 29 |
| W30 | 4 58 14 | 14♐ 5'48 | 28♍36 | 26♐45 | 20♑ 1 | 29♌51 | 22♎53 | 11♎57 | 18♍38 | 9♎24 | 7♉10 | 12♊ 1 | 11♊54 | 28♉39 | 0♒28 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s18 | 14n14 | 5n12 | 15s 6 | 0n10 | 23s56 | 1s19 | 17n 6 | 1n53 | 5s47 | 1n 9 | 1s35 | 2n17 | 5n32 | 0n45 | 1s56 | 1n38 | 0s28 | 15s25 | 22n23 | 22n31 | 17n40 | 14s15 | 6n20 |
| W 2 | 16 36 | 8 53 | 5 12 | 15 42 | 0 3 | 24 7 | 1 21 | 16 59 | 1 55 | 5 52 | 1 9 | 1 37 | 2 18 | 5 31 | 0 45 | 1 57 | 1 38 | 0 28 | 15 24 | 22 23 | 22 31 | 17 42 | 14 15 | 6 19 |
| T 3 | 16 54 | 2 54 | 4 52 | 16 17 | 0s 3 | 24 17 | 1 23 | 16 52 | 1 56 | 5 56 | 1 9 | 1 40 | 2 18 | 5 30 | 0 45 | 1 58 | 1 38 | 0 29 | 15 24 | 22 22 | 22 30 | 17 45 | 14 15 | 6 19 |
| F 4 | 17 11 | 3s25 | 4 13 | 16 51 | 0 10 | 24 26 | 1 25 | 16 44 | 1 57 | 6 1 | 1 9 | 1 42 | 2 18 | 5 29 | 0 45 | 1 58 | 1 38 | 0 29 | 15 24 | 22 22 | 22 30 | 17 47 | 14 15 | 6 19 |
| S 5 | 17 28 | 9 43 | 3 16 | 17 24 | 0 16 | 24 34 | 1 27 | 16 37 | 1 59 | 6 6 | 1 9 | 1 44 | 2 18 | 5 29 | 0 45 | 1 59 | 1 38 | 0 29 | 15 24 | 22 21 | 22 30 | 17 50 | 14 15 | 6 18 |
| S 6 | 17 45 | 15 31 | 2 5 | 17 57 | 0 23 | 24 42 | 1 29 | 16 30 | 2 0 | 6 10 | 1 9 | 1 47 | 2 18 | 5 28 | 0 45 | 2 0 | 1 39 | 0 29 | 15 24 | 22 21 | 22 29 | 17 52 | 14 15 | 6 18 |
| M 7 | 18 1 | 20 21 | 0 44 | 18 29 | 0 29 | 24 49 | 1 31 | 16 23 | 2 2 | 6 15 | 1 9 | 1 49 | 2 18 | 5 27 | 0 45 | 2 1 | 1 39 | 0 30 | 15 24 | 22 21 | 22 29 | 17 54 | 14 14 | 6 17 |
| T 8 | 18 17 | 23 46 | 0s39 | 19 0 | 0 36 | 24 55 | 1 33 | 16 16 | 2 3 | 6 19 | 1 9 | 1 51 | 2 19 | 5 26 | 0 45 | 2 1 | 1 39 | 0 30 | 15 24 | 22 21 | 22 28 | 17 57 | 14 14 | 6 17 |
| W 9 | 18 33 | 25 28 | 1 58 | 19 30 | 0 42 | 25 1 | 1 35 | 16 9 | 2 5 | 6 24 | 1 9 | 1 53 | 2 19 | 5 25 | 0 45 | 2 2 | 1 39 | 0 30 | 15 24 | 22 21 | 22 28 | 17 59 | 14 14 | 6 17 |
| T 10 | 18 48 | 25 23 | 3 8 | 19 59 | 0 48 | 25 5 | 1 37 | 16 2 | 2 6 | 6 28 | 1 9 | 1 55 | 2 19 | 5 24 | 0 45 | 2 2 | 1 39 | 0 30 | 15 24 | 22 21 | 22 28 | 18 1 | 14 14 | 6 16 |
| F 11 | 19 3 | 23 40 | 4 4 | 20 28 | 0 54 | 25 9 | 1 39 | 15 55 | 2 7 | 6 33 | 1 10 | 1 58 | 2 19 | 5 24 | 0 45 | 2 3 | 1 39 | 0 31 | 15 24 | 22 21 | 22 27 | 18 4 | 14 14 | 6 16 |
| S 12 | 19 18 | 20 38 | 4 44 | 20 55 | 1 0 | 25 13 | 1 40 | 15 48 | 2 9 | 6 37 | 1 10 | 2 0 | 2 19 | 5 23 | 0 45 | 2 4 | 1 39 | 0 31 | 15 23 | 22 21 | 22 27 | 18 6 | 14 14 | 6 15 |
| S 13 | 19 32 | 16 38 | 5 9 | 21 21 | 1 6 | 25 15 | 1 42 | 15 42 | 2 10 | 6 41 | 1 10 | 2 2 | 2 19 | 5 22 | 0 45 | 2 4 | 1 39 | 0 31 | 15 23 | 22 21 | 22 26 | 18 9 | 14 14 | 6 15 |
| M14 | 19 46 | 11 59 | 5 17 | 21 46 | 1 12 | 25 17 | 1 44 | 15 35 | 2 12 | 6 46 | 1 10 | 2 4 | 2 20 | 5 22 | 0 45 | 2 5 | 1 39 | 0 31 | 15 23 | 22 21 | 22 26 | 18 11 | 14 13 | 6 15 |
| T 15 | 20 0 | 6 57 | 5 10 | 22 10 | 1 17 | 25 18 | 1 45 | 15 28 | 2 13 | 6 50 | 1 10 | 2 6 | 2 20 | 5 21 | 0 45 | 2 6 | 1 39 | 0 31 | 15 23 | 22 21 | 22 26 | 18 13 | 14 13 | 6 14 |
| W16 | 20 13 | 1 44 | 4 48 | 22 33 | 1 23 | 25 18 | 1 47 | 15 22 | 2 15 | 6 54 | 1 10 | 2 8 | 2 20 | 5 20 | 0 45 | 2 6 | 1 39 | 0 32 | 15 23 | 22 21 | 22 25 | 18 16 | 14 13 | 6 14 |
| T 17 | 20 26 | 3n28 | 4 14 | 22 55 | 1 28 | 25 17 | 1 48 | 15 16 | 2 17 | 6 58 | 1 10 | 2 10 | 2 20 | 5 20 | 0 45 | 2 7 | 1 39 | 0 32 | 15 23 | 22 21 | 22 25 | 18 18 | 14 13 | 6 14 |
| F 18 | 20 38 | 8 30 | 3 30 | 23 16 | 1 33 | 25 16 | 1 49 | 15 9 | 2 18 | 7 3 | 1 10 | 2 12 | 2 20 | 5 19 | 0 45 | 2 7 | 1 39 | 0 32 | 15 23 | 22 20 | 22 24 | 18 20 | 14 12 | 6 13 |
| S 19 | 20 50 | 13 12 | 2 36 | 23 35 | 1 37 | 25 14 | 1 51 | 15 3 | 2 20 | 7 7 | 1 10 | 2 14 | 2 21 | 5 18 | 0 45 | 2 8 | 1 39 | 0 32 | 15 22 | 22 20 | 22 24 | 18 23 | 14 12 | 6 13 |
| S 20 | 21 2 | 17 24 | 1 36 | 23 53 | 1 42 | 25 11 | 1 52 | 14 57 | 2 21 | 7 11 | 1 10 | 2 16 | 2 21 | 5 18 | 0 45 | 2 8 | 1 39 | 0 32 | 15 22 | 22 20 | 22 24 | 18 25 | 14 12 | 6 12 |
| M21 | 21 13 | 20 55 | 0 32 | 24 11 | 1 46 | 25 7 | 1 53 | 14 51 | 2 23 | 7 15 | 1 11 | 2 18 | 2 21 | 5 17 | 0 46 | 2 9 | 1 39 | 0 32 | 15 22 | 22 20 | 22 23 | 18 27 | 14 12 | 6 12 |
| T 22 | 21 24 | 23 34 | 0n33 | 24 26 | 1 50 | 25 3 | 1 54 | 14 45 | 2 24 | 7 19 | 1 11 | 2 20 | 2 21 | 5 17 | 0 46 | 2 9 | 1 39 | 0 32 | 15 22 | 22 20 | 22 23 | 18 30 | 14 11 | 6 12 |
| W23 | 21 35 | 25 11 | 1 38 | 24 41 | 1 54 | 24 58 | 1 55 | 14 39 | 2 26 | 7 23 | 1 11 | 2 22 | 2 21 | 5 16 | 0 46 | 2 10 | 1 39 | 0 33 | 15 22 | 22 20 | 22 22 | 18 32 | 14 11 | 6 11 |
| T 24 | 21 45 | 25 39 | 2 39 | 24 54 | 1 57 | 24 52 | 1 56 | 14 34 | 2 28 | 7 27 | 1 11 | 2 23 | 2 22 | 5 16 | 0 46 | 2 10 | 1 39 | 0 33 | 15 22 | 22 20 | 22 22 | 18 34 | 14 11 | 6 11 |
| F 25 | 21 54 | 24 54 | 3 33 | 25 6 | 2 1 | 24 45 | 1 56 | 14 28 | 2 29 | 7 31 | 1 11 | 2 25 | 2 22 | 5 15 | 0 46 | 2 11 | 1 39 | 0 33 | 15 21 | 22 20 | 22 21 | 18 37 | 14 10 | 6 11 |
| S 26 | 22 3 | 22 57 | 4 19 | 25 16 | 2 4 | 24 38 | 1 57 | 14 23 | 2 31 | 7 35 | 1 11 | 2 27 | 2 22 | 5 15 | 0 46 | 2 11 | 1 39 | 0 33 | 15 21 | 22 20 | 22 21 | 18 39 | 14 10 | 6 10 |
| S 27 | 22 12 | 19 51 | 4 53 | 25 25 | 2 6 | 24 30 | 1 58 | 14 18 | 2 33 | 7 39 | 1 11 | 2 29 | 2 22 | 5 14 | 0 46 | 2 12 | 1 40 | 0 33 | 15 21 | 22 20 | 22 21 | 18 41 | 14 9 | 6 10 |
| M28 | 22 21 | 15 45 | 5 13 | 25 32 | 2 8 | 24 21 | 1 58 | 14 12 | 2 35 | 7 42 | 1 11 | 2 30 | 2 22 | 5 14 | 0 46 | 2 12 | 1 40 | 0 33 | 15 21 | 22 20 | 22 20 | 18 44 | 14 9 | 6 10 |
| T 29 | 22 29 | 10 49 | 5 18 | 25 38 | 2 10 | 24 11 | 1 59 | 14 7 | 2 36 | 7 46 | 1 12 | 2 32 | 2 23 | 5 13 | 0 46 | 2 13 | 1 40 | 0 33 | 15 21 | 22 20 | 22 20 | 18 46 | 14 9 | 6 9 |
| W30 | 22s36 | 5n13 | 5n 5 | 25s42 | 2s12 | 24s 1 | 1s59 | 14n 3 | 2n38 | 7s50 | 1n12 | 2s33 | 2n23 | 5n13 | 0n46 | 2s13 | 1n40 | 0s33 | 15s20 | 22n20 | 22n19 | 18n48 | 14s 8 | 6n 9 |

Julian Day Number = 2132998.5, Delta T = 16m18s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'51, Lahiri = 11°41'52 Julian Calendar 1 Nov. 1127 == Greg. Calendar 8 Nov. 1127


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# ASTRODIENST EPHEMERIS for the year 1127
# geocentric

## DECEMBER 1127 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 2 10 | 15♐ 6'57 | 12♎37 | 28♐18 | 21♑14 | 0♍ 8 | 23♎ 4 | 12♎ 2 | 18♍39 | 9♎26 | 7°R 9 | 12♊ 1 | 11♊51 | 28♉46 | 0♒32 | T 1 |
| F 2 | 5 6 7 | 16° 8'07 | 27° 2 | 29°52 | 22°27 | 0°26 | 23°14 | 12° 6 | 18°40 | 9°27 | 7♉ 9 | 12° 2 | 11°47 | 28°53 | 0°35 | F 2 |
| S 3 | 5 10 4 | 17° 9'18 | 11♏47 | 1♑25 | 23°41 | 0°43 | 23°24 | 12°11 | 18°41 | 9°28 | 7° 8 | 12° 2 | 11°44 | 28°59 | 0°39 | S 3 |
| S 4 | 5 14 0 | 18°10'29 | 26°49 | 2°57 | 24°54 | 0°59 | 23°34 | 12°15 | 18°42 | 9°29 | 7° 7 | 12° 3 | 11°41 | 29° 6 | 0°43 | S 4 |
| M 5 | 5 17 57 | 19°11'42 | 11♐57 | 4°30 | 26° 7 | 1°15 | 23°44 | 12°19 | 18°43 | 9°30 | 7° 6 | 12°R 3 | 11°38 | 29°13 | 0°47 | M 5 |
| T 6 | 5 21 53 | 20°12'54 | 27° 5 | 6° 1 | 27°20 | 1°30 | 23°54 | 12°23 | 18°44 | 9°31 | 7° 5 | 12° 3 | 11°35 | 29°19 | 0°51 | T 6 |
| W 7 | 5 25 50 | 21°14'07 | 12♑ 1 | 7°31 | 28°32 | 1°45 | 24° 4 | 12°28 | 18°44 | 9°32 | 7° 5 | 12° 2 | 11°32 | 29°26 | 0°54 | W 7 |
| T 8 | 5 29 46 | 22°15'20 | 26°39 | 9° 1 | 29°45 | 2° 0 | 24°13 | 12°32 | 18°45 | 9°33 | 7° 4 | 12° 1 | 11°28 | 29°32 | 0°58 | T 8 |
| F 9 | 5 33 43 | 23°16'33 | 10♒52 | 10°29 | 0♒58 | 2°14 | 24°23 | 12°35 | 18°45 | 9°34 | 7° 3 | 11°59 | 11°25 | 29°39 | 1° 2 | F 9 |
| S 10 | 5 37 39 | 24°17'46 | 24°38 | 11°56 | 2°11 | 2°27 | 24°32 | 12°39 | 18°46 | 9°35 | 7° 2 | 11°58 | 11°22 | 29°46 | 1° 6 | S 10 |
| S 11 | 5 41 36 | 25°18'58 | 7♓56 | 13°20 | 3°24 | 2°40 | 24°41 | 12°43 | 18°46 | 9°36 | 7° 2 | 11°57 | 11°19 | 29°52 | 1°10 | S 11 |
| M12 | 5 45 33 | 26°20'11 | 20°49 | 14°43 | 4°36 | 2°52 | 24°51 | 12°47 | 18°47 | 9°36 | 7° 1 | 11°D56 | 11°16 | 29°59 | 1°15 | M12 |
| T 13 | 5 49 29 | 27°21'23 | 3♈20 | 16° 2 | 5°49 | 3° 4 | 25° 0 | 12°50 | 18°47 | 9°37 | 7° 0 | 11°56 | 11°13 | 0♊ 6 | 1°19 | T 13 |
| W14 | 5 53 26 | 28°22'35 | 15°33 | 17°19 | 7° 1 | 3°15 | 25° 9 | 12°54 | 18°47 | 9°38 | 7° 0 | 11°57 | 11° 9 | 0°12 | 1°23 | W14 |
| T 15 | 5 57 22 | 29°23'46 | 27°33 | 18°32 | 8°14 | 3°26 | 25°17 | 12°57 | 18°48 | 9°39 | 6°59 | 11°58 | 11° 6 | 0°19 | 1°27 | T 15 |
| F 16 | 6 1 19 | 0♑24'58 | 9♉25 | 19°40 | 9°26 | 3°36 | 25°26 | 13° 0 | 18°48 | 9°39 | 6°58 | 12° 0 | 11° 3 | 0°26 | 1°31 | F 16 |
| S 17 | 6 5 15 | 1°26'09 | 21°12 | 20°44 | 10°38 | 3°46 | 25°35 | 13° 3 | 18°48 | 9°40 | 6°58 | 12° 1 | 11° 0 | 0°32 | 1°36 | S 17 |
| S 18 | 6 9 12 | 2°27'19 | 2♊59 | 21°42 | 11°50 | 3°54 | 25°43 | 13° 6 | 18°R48 | 9°41 | 6°57 | 12° 2 | 10°57 | 0°39 | 1°40 | S 18 |
| M19 | 6 13 8 | 3°28'30 | 14°49 | 22°33 | 13° 3 | 4° 3 | 25°52 | 13° 9 | 18°48 | 9°41 | 6°57 | 12°R 3 | 10°53 | 0°46 | 1°44 | M19 |
| T 20 | 6 17 5 | 4°29'40 | 26°45 | 23°16 | 14°15 | 4°10 | 26° 0 | 13°12 | 18°48 | 9°42 | 6°56 | 12° 2 | 10°50 | 0°52 | 1°48 | T 20 |
| W21 | 6 21 2 | 5°30'50 | 8♋48 | 23°51 | 15°27 | 4°17 | 26° 8 | 13°15 | 18°48 | 9°42 | 6°55 | 12° 0 | 10°47 | 0°59 | 1°53 | W21 |
| T 22 | 6 24 58 | 6°32'00 | 21° 1 | 24°17 | 16°38 | 4°24 | 26°16 | 13°18 | 18°47 | 9°43 | 6°55 | 11°57 | 10°44 | 1° 6 | 1°57 | T 22 |
| F 23 | 6 28 55 | 7°33'09 | 3♌23 | 24°33 | 17°50 | 4°29 | 26°24 | 13°20 | 18°47 | 9°43 | 6°54 | 11°52 | 10°41 | 1°12 | 2° 2 | F 23 |
| S 24 | 6 32 51 | 8°34'19 | 15°58 | 24°R37 | 19° 2 | 4°34 | 26°31 | 13°23 | 18°47 | 9°44 | 6°54 | 11°48 | 10°38 | 1°19 | 2° 6 | S 24 |
| S 25 | 6 36 48 | 9°35'27 | 28°45 | 24°30 | 20°13 | 4°38 | 26°39 | 13°25 | 18°46 | 9°44 | 6°54 | 11°43 | 10°34 | 1°25 | 2°10 | S 25 |
| M26 | 6 40 44 | 10°36'36 | 11♍46 | 24°12 | 21°25 | 4°42 | 26°47 | 13°28 | 18°46 | 9°45 | 6°53 | 11°39 | 10°31 | 1°32 | 2°15 | M26 |
| T 27 | 6 44 41 | 11°37'44 | 25° 2 | 23°42 | 22°36 | 4°45 | 26°54 | 13°30 | 18°46 | 9°45 | 6°53 | 11°37 | 10°28 | 1°39 | 2°19 | T 27 |
| W28 | 6 48 38 | 12°38'52 | 8♎35 | 23° 0 | 23°48 | 4°47 | 27° 1 | 13°32 | 18°45 | 9°45 | 6°52 | 11°D36 | 10°25 | 1°45 | 2°24 | W28 |
| T 29 | 6 52 34 | 13°40'00 | 22°24 | 22° 8 | 24°59 | 4°48 | 27° 8 | 13°34 | 18°44 | 9°45 | 6°52 | 11°36 | 10°22 | 1°52 | 2°28 | T 29 |
| F 30 | 6 56 31 | 14°41'08 | 6♏31 | 21° 7 | 26°10 | 4°R49 | 27°15 | 13°36 | 18°44 | 9°46 | 6°52 | 11°37 | 10°19 | 1°59 | 2°33 | F 30 |
| S 31 | 7 0 27 | 15♑42'15 | 20♏54 | 19♑59 | 27♒21 | 4♍49 | 27♎22 | 13♎38 | 18♍43 | 9♎46 | 6♉51 | 11♊39 | 10♊15 | 2♊ 5 | 2♒38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s43 | 0s48 | 4n34 | 25s45 | 2s13 | 23s50 | 1s59 | 13n58 | 2n40 | 7s54 | 1n12 | 2s35 | 2n23 | 5n13 | 0n46 | 2s13 | 1n40 | 0s33 | 15s20 | 22n20 | 22n19 | 18n50 | 14s 8 | 6n 9 |
| F 2 | 22 50 | 6 58 | 3 45 | 25 46 | 2 13 | 23 38 | 2 0 | 13 53 | 2 42 | 7 57 | 1 12 | 2 37 | 2 23 | 5 12 | 0 46 | 2 14 | 1 40 | 0 33 | 15 20 | 22 20 | 22 18 | 18 53 | 14 7 | 6 9 |
| S 3 | 22 56 | 12 54 | 2 41 | 25 46 | 2 13 | 23 26 | 2 0 | 13 49 | 2 43 | 8 1 | 1 12 | 2 38 | 2 24 | 5 12 | 0 46 | 2 14 | 1 40 | 0 33 | 15 20 | 22 20 | 22 18 | 18 55 | 14 7 | 6 8 |
| S 4 | 23 1 | 18 11 | 1 24 | 25 44 | 2 13 | 23 13 | 2 0 | 13 45 | 2 45 | 8 5 | 1 12 | 2 40 | 2 24 | 5 12 | 0 46 | 2 15 | 1 40 | 0 33 | 15 19 | 22 21 | 22 18 | 18 57 | 14 6 | 6 8 |
| M 5 | 23 7 | 22 19 | 0 1 | 25 40 | 2 12 | 22 59 | 2 0 | 13 41 | 2 47 | 8 8 | 1 12 | 2 41 | 2 24 | 5 11 | 0 46 | 2 15 | 1 40 | 0 33 | 15 19 | 22 21 | 22 17 | 19 0 | 14 6 | 6 8 |
| T 6 | 23 11 | 24 54 | 1s23 | 25 35 | 2 10 | 22 45 | 1 59 | 13 37 | 2 49 | 8 12 | 1 12 | 2 42 | 2 24 | 5 11 | 0 46 | 2 15 | 1 40 | 0 33 | 15 19 | 22 21 | 22 17 | 19 2 | 14 5 | 6 7 |
| W 7 | 23 16 | 25 39 | 2 39 | 25 28 | 2 8 | 22 30 | 1 59 | 13 33 | 2 51 | 8 15 | 1 13 | 2 44 | 2 24 | 5 11 | 0 46 | 2 16 | 1 40 | 0 33 | 15 19 | 22 20 | 22 16 | 19 4 | 14 4 | 6 7 |
| T 8 | 23 20 | 24 35 | 3 43 | 25 20 | 2 5 | 22 14 | 1 59 | 13 30 | 2 53 | 8 19 | 1 13 | 2 45 | 2 25 | 5 11 | 0 46 | 2 16 | 1 40 | 0 33 | 15 18 | 22 20 | 22 16 | 19 6 | 14 4 | 6 7 |
| F 9 | 23 23 | 21 56 | 4 32 | 25 10 | 2 2 | 21 58 | 1 58 | 13 26 | 2 55 | 8 22 | 1 13 | 2 46 | 2 25 | 5 11 | 0 46 | 2 16 | 1 40 | 0 33 | 15 18 | 22 20 | 22 15 | 19 9 | 14 3 | 6 7 |
| S 10 | 23 26 | 18 7 | 5 3 | 24 58 | 1 58 | 21 41 | 1 58 | 13 23 | 2 56 | 8 25 | 1 13 | 2 48 | 2 25 | 5 10 | 0 46 | 2 17 | 1 40 | 0 33 | 15 18 | 22 20 | 22 15 | 19 11 | 14 3 | 6 6 |
| S 11 | 23 28 | 13 31 | 5 16 | 24 45 | 1 53 | 21 23 | 1 57 | 13 21 | 2 58 | 8 28 | 1 13 | 2 49 | 2 25 | 5 10 | 0 46 | 2 17 | 1 40 | 0 33 | 15 18 | 22 20 | 22 15 | 19 13 | 14 2 | 6 6 |
| M12 | 23 30 | 8 27 | 5 13 | 24 30 | 1 47 | 21 5 | 1 57 | 13 18 | 3 0 | 8 32 | 1 13 | 2 50 | 2 26 | 5 10 | 0 46 | 2 17 | 1 40 | 0 33 | 15 17 | 22 20 | 22 14 | 19 15 | 14 1 | 6 6 |
| T 13 | 23 32 | 3 11 | 4 55 | 24 15 | 1 40 | 20 47 | 1 56 | 13 15 | 3 2 | 8 35 | 1 13 | 2 51 | 2 26 | 5 10 | 0 46 | 2 17 | 1 40 | 0 33 | 15 17 | 22 20 | 22 14 | 19 18 | 14 1 | 6 6 |
| W14 | 23 33 | 2n 5 | 4 24 | 23 57 | 1 33 | 20 27 | 1 55 | 13 13 | 3 4 | 8 38 | 1 14 | 2 52 | 2 26 | 5 10 | 0 46 | 2 18 | 1 41 | 0 33 | 15 17 | 22 20 | 22 13 | 19 20 | 14 0 | 6 5 |
| T 15 | 23 33 | 7 12 | 3 42 | 23 39 | 1 24 | 20 7 | 1 54 | 13 11 | 3 6 | 8 41 | 1 14 | 2 53 | 2 26 | 5 10 | 0 47 | 2 18 | 1 41 | 0 33 | 15 17 | 22 20 | 22 13 | 19 22 | 13 59 | 6 5 |
| F 16 | 23 33 | 12 0 | 2 51 | 23 20 | 1 14 | 19 47 | 1 53 | 13 9 | 3 8 | 8 44 | 1 14 | 2 54 | 2 27 | 5 10 | 0 47 | 2 18 | 1 41 | 0 33 | 15 16 | 22 20 | 22 12 | 19 24 | 13 59 | 6 5 |
| S 17 | 23 33 | 16 20 | 1 53 | 23 0 | 1 4 | 19 26 | 1 51 | 13 8 | 3 10 | 8 47 | 1 14 | 2 55 | 2 27 | 5 10 | 0 47 | 2 18 | 1 41 | 0 33 | 15 16 | 22 20 | 22 12 | 19 27 | 13 58 | 6 5 |
| S 18 | 23 32 | 20 2 | 0 50 | 22 39 | 0 52 | 19 5 | 1 50 | 13 6 | 3 12 | 8 50 | 1 14 | 2 56 | 2 27 | 5 10 | 0 47 | 2 19 | 1 41 | 0 33 | 15 16 | 22 21 | 22 11 | 19 29 | 13 57 | 6 5 |
| M19 | 23 30 | 22 56 | 0n15 | 22 18 | 0 39 | 18 43 | 1 49 | 13 5 | 3 14 | 8 53 | 1 14 | 2 57 | 2 28 | 5 10 | 0 47 | 2 19 | 1 41 | 0 33 | 15 15 | 22 21 | 22 11 | 19 31 | 13 57 | 6 4 |
| T 20 | 23 29 | 24 51 | 1 20 | 21 57 | 0 25 | 18 21 | 1 47 | 13 4 | 3 16 | 8 56 | 1 15 | 2 58 | 2 28 | 5 10 | 0 47 | 2 19 | 1 41 | 0 33 | 15 15 | 22 20 | 22 11 | 19 33 | 13 56 | 6 4 |
| W21 | 23 26 | 25 37 | 2 22 | 21 36 | 0 10 | 17 58 | 1 46 | 13 3 | 3 18 | 8 59 | 1 15 | 2 59 | 2 28 | 5 10 | 0 47 | 2 19 | 1 41 | 0 33 | 15 15 | 22 20 | 22 10 | 19 36 | 13 55 | 6 4 |
| T 22 | 23 23 | 25 10 | 3 18 | 21 15 | 0n 7 | 17 34 | 1 44 | 13 3 | 3 20 | 9 1 | 1 15 | 3 0 | 2 28 | 5 10 | 0 47 | 2 19 | 1 41 | 0 32 | 15 15 | 22 20 | 22 10 | 19 38 | 13 54 | 6 4 |
| F 23 | 23 20 | 23 28 | 4 6 | 20 56 | 0 24 | 17 11 | 1 42 | 13 3 | 3 22 | 9 4 | 1 15 | 3 1 | 2 29 | 5 11 | 0 47 | 2 19 | 1 41 | 0 32 | 15 14 | 22 19 | 22 9 | 19 40 | 13 54 | 6 4 |
| S 24 | 23 16 | 20 37 | 4 42 | 20 37 | 0 42 | 16 47 | 1 40 | 13 3 | 3 24 | 9 7 | 1 15 | 3 1 | 2 29 | 5 11 | 0 47 | 2 19 | 1 41 | 0 32 | 15 14 | 22 19 | 22 9 | 19 42 | 13 53 | 6 3 |
| S 25 | 23 12 | 16 44 | 5 5 | 20 20 | 1 0 | 16 22 | 1 38 | 13 3 | 3 27 | 9 9 | 1 16 | 3 2 | 2 29 | 5 11 | 0 47 | 2 20 | 1 41 | 0 32 | 15 14 | 22 18 | 22 8 | 19 44 | 13 52 | 6 3 |
| M26 | 23 8 | 12 0 | 5 13 | 20 5 | 1 19 | 15 57 | 1 36 | 13 4 | 3 29 | 9 12 | 1 16 | 3 3 | 2 29 | 5 11 | 0 47 | 2 20 | 1 41 | 0 32 | 15 13 | 22 17 | 22 8 | 19 47 | 13 51 | 6 3 |
| T 27 | 23 2 | 6 38 | 5 5 | 19 51 | 1 38 | 15 31 | 1 34 | 13 5 | 3 31 | 9 14 | 1 16 | 3 3 | 2 30 | 5 11 | 0 47 | 2 20 | 1 41 | 0 32 | 15 13 | 22 17 | 22 7 | 19 49 | 13 50 | 6 3 |
| W28 | 22 57 | 0 52 | 4 39 | 19 40 | 1 57 | 15 6 | 1 32 | 13 6 | 3 33 | 9 17 | 1 16 | 3 4 | 2 30 | 5 12 | 0 47 | 2 20 | 1 41 | 0 32 | 15 13 | 22 17 | 22 7 | 19 51 | 13 49 | 6 3 |
| T 29 | 22 51 | 5s 5 | 3 58 | 19 30 | 2 15 | 14 39 | 1 29 | 13 7 | 3 35 | 9 19 | 1 16 | 3 4 | 2 30 | 5 12 | 0 47 | 2 20 | 1 41 | 0 31 | 15 12 | 22 17 | 22 6 | 19 53 | 13 49 | 6 3 |
| F 30 | 22 44 | 10 55 | 3 1 | 19 23 | 2 32 | 14 13 | 1 27 | 13 9 | 3 37 | 9 21 | 1 16 | 3 5 | 2 30 | 5 12 | 0 47 | 2 20 | 1 42 | 0 31 | 15 12 | 22 17 | 22 6 | 19 55 | 13 48 | 6 3 |
| S 31 | 22s37 | 16s17 | 1n51 | 19s18 | 2n47 | 13s46 | 1s24 | 13n11 | 3n39 | 9s23 | 1n17 | 3s 5 | 2n31 | 5n12 | 0n47 | 2s20 | 1n42 | 0s31 | 15s12 | 22n17 | 22n 6 | 19n58 | 13s47 | 6n 2 |

Julian Day Number = 2133028.5, Delta T = 16m18s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°34'55, Lahiri = 11°41'56 Julian Calendar 1 Dec. 1127 == Greg. Calendar 8 Dec. 1127


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## JANUARY 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 4 24 | 16♑43'22 | 5♐31 | 18°R45 | 28♒32 | 4°R48 | 27♎28 | 13♎39 | 18°R42 | 9♎46 | 6°R51 | 11°R40 | 10♊12 | 2♊12 | 2♒42 | S 1 |
| M 2 | 7 8 20 | 17°44'29 | 20°18 | 17♑28 | 29°42 | 4♏47 | 27°35 | 13°41 | 18♏42 | 9°46 | 6♉51 | 11♊40 | 10° 9 | 2°19 | 2°47 | M 2 |
| T 3 | 7 12 17 | 18°45'35 | 5♑ 8 | 16°11 | 0♓53 | 4°44 | 27°41 | 13°42 | 18°41 | 9°46 | 6°50 | 11°38 | 10° 6 | 2°25 | 2°51 | T 3 |
| W 4 | 7 16 13 | 19°46'40 | 19°54 | 14°55 | 2° 4 | 4°41 | 27°47 | 13°44 | 18°40 | 9°46 | 6°50 | 11°34 | 10° 3 | 2°32 | 2°56 | W 4 |
| T 5 | 7 20 10 | 20°47'44 | 4♒28 | 13°43 | 3°14 | 4°37 | 27°53 | 13°45 | 18°39 | 9°R46 | 6°50 | 11°28 | 9°59 | 2°39 | 3° 1 | T 5 |
| F 6 | 7 24 7 | 21°48'48 | 18°42 | 12°37 | 4°24 | 4°32 | 27°59 | 13°46 | 18°38 | 9°46 | 6°50 | 11°21 | 9°56 | 2°45 | 3° 5 | F 6 |
| S 7 | 7 28 3 | 22°49'50 | 2♓33 | 11°38 | 5°34 | 4°27 | 28° 5 | 13°47 | 18°37 | 9°46 | 6°50 | 11°14 | 9°53 | 2°52 | 3°10 | S 7 |
| S 8 | 7 32 0 | 23°50'51 | 15°58 | 10°46 | 6°44 | 4°20 | 28°10 | 13°48 | 18°36 | 9°46 | 6°49 | 11° 8 | 9°50 | 2°59 | 3°15 | S 8 |
| M 9 | 7 35 56 | 24°51'51 | 28°57 | 10° 3 | 7°54 | 4°13 | 28°16 | 13°49 | 18°35 | 9°46 | 6°49 | 11° 3 | 9°47 | 3° 5 | 3°19 | M 9 |
| T 10 | 7 39 53 | 25°52'50 | 11♈33 | 9°29 | 9° 4 | 4° 5 | 28°21 | 13°50 | 18°33 | 9°46 | 6°49 | 11° 0 | 9°44 | 3°12 | 3°24 | T 10 |
| W11 | 7 43 49 | 26°53'47 | 23°49 | 9° 4 | 10°14 | 3°56 | 28°26 | 13°50 | 18°32 | 9°46 | 6°49 | 10°D59 | 9°40 | 3°18 | 3°29 | W11 |
| T 12 | 7 47 46 | 27°54'43 | 5♉50 | 8°48 | 11°23 | 3°47 | 28°31 | 13°51 | 18°31 | 9°45 | 6°49 | 10°59 | 9°37 | 3°25 | 3°33 | T 12 |
| F 13 | 7 51 42 | 28°55'38 | 17°41 | 8°39 | 12°32 | 3°37 | 28°35 | 13°51 | 18°30 | 9°45 | 6°49 | 11° 0 | 9°34 | 3°32 | 3°38 | F 13 |
| S 14 | 7 55 39 | 29°56'32 | 29°28 | 8°D39 | 13°41 | 3°25 | 28°40 | 13°52 | 18°28 | 9°45 | 6°49 | 11° 2 | 9°31 | 3°38 | 3°43 | S 14 |
| S 15 | 7 59 36 | 0♒57'24 | 11♊16 | 8°46 | 14°50 | 3°14 | 28°44 | 13°52 | 18°27 | 9°44 | 6°D49 | 11°R 2 | 9°28 | 3°45 | 3°48 | S 15 |
| M16 | 8 3 32 | 1°58'14 | 23° 8 | 9° 0 | 15°59 | 3° 1 | 28°48 | 13°52 | 18°25 | 9°44 | 6°49 | 11° 1 | 9°25 | 3°52 | 3°52 | M16 |
| T 17 | 8 7 29 | 2°59'04 | 5♋10 | 9°21 | 17° 8 | 2°48 | 28°52 | 13°R52 | 18°24 | 9°44 | 6°49 | 10°58 | 9°21 | 3°58 | 3°57 | T 17 |
| W18 | 8 11 25 | 3°59'52 | 17°24 | 9°47 | 18°16 | 2°33 | 28°56 | 13°52 | 18°22 | 9°43 | 6°49 | 10°53 | 9°18 | 4° 5 | 4° 2 | W18 |
| T 19 | 8 15 22 | 5° 0'38 | 29°51 | 10°18 | 19°24 | 2°19 | 29° 0 | 13°52 | 18°20 | 9°43 | 6°49 | 10°45 | 9°15 | 4°12 | 4° 6 | T 19 |
| F 20 | 8 19 18 | 6° 1'24 | 12♌33 | 10°55 | 20°32 | 2° 3 | 29° 3 | 13°51 | 18°19 | 9°42 | 6°49 | 10°35 | 9°12 | 4°18 | 4°11 | F 20 |
| S 21 | 8 23 15 | 7° 2'07 | 25°29 | 11°36 | 21°40 | 1°47 | 29° 7 | 13°51 | 18°17 | 9°42 | 6°49 | 10°25 | 9° 9 | 4°25 | 4°16 | S 21 |
| S 22 | 8 27 11 | 8° 2'50 | 8♍38 | 12°22 | 22°47 | 1°30 | 29°10 | 13°50 | 18°15 | 9°41 | 6°50 | 10°14 | 9° 5 | 4°32 | 4°20 | S 22 |
| M23 | 8 31 8 | 9° 3'31 | 21°59 | 13°11 | 23°55 | 1°12 | 29°13 | 13°50 | 18°14 | 9°41 | 6°50 | 10° 5 | 9° 2 | 4°38 | 4°25 | M23 |
| T 24 | 8 35 5 | 10° 4'11 | 5♎31 | 14° 3 | 25° 2 | 0°54 | 29°16 | 13°49 | 18°12 | 9°40 | 6°50 | 9°58 | 8°59 | 4°45 | 4°30 | T 24 |
| W25 | 8 39 1 | 11° 4'50 | 19°12 | 14°59 | 26° 9 | 0°35 | 29°18 | 13°48 | 18°10 | 9°39 | 6°50 | 9°53 | 8°56 | 4°52 | 4°35 | W25 |
| T 26 | 8 42 58 | 12° 5'28 | 3♏ 3 | 15°58 | 27°15 | 0°16 | 29°21 | 13°47 | 18° 8 | 9°39 | 6°50 | 9°51 | 8°53 | 4°58 | 4°39 | T 26 |
| F 27 | 8 46 54 | 13° 6'04 | 17° 2 | 16°59 | 28°22 | 29♌56 | 29°23 | 13°46 | 18° 6 | 9°38 | 6°51 | 9°D51 | 8°50 | 5° 5 | 4°44 | F 27 |
| S 28 | 8 50 51 | 14° 6'40 | 1♐10 | 18° 3 | 29°28 | 29°35 | 29°25 | 13°45 | 18° 4 | 9°37 | 6°51 | 9°52 | 8°46 | 5°11 | 4°49 | S 28 |
| S 29 | 8 54 47 | 15° 7'14 | 15°25 | 19° 9 | 0♈34 | 29°14 | 29°27 | 13°44 | 18° 2 | 9°37 | 6°51 | 9°R52 | 8°43 | 5°18 | 4°53 | S 29 |
| M30 | 8 58 44 | 16° 7'47 | 29°46 | 20°18 | 1°40 | 28°52 | 29°29 | 13°43 | 18° 0 | 9°36 | 6°52 | 9°50 | 8°40 | 5°25 | 4°58 | M30 |
| T 31 | 9 2 40 | 17♒ 8'18 | 14♑ 9 | 21♑28 | 2♈45 | 28♌30 | 29♎30 | 13♎41 | 17♏58 | 9♎35 | 6♉52 | 9♊46 | 8♊37 | 5♊31 | 5♒ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s30 | 20s47 | 0n34 | 19s15 | 3n 1 | 13s19 | 1s22 | 13n13 | 3n41 | 9s26 | 1n17 | 3s 6 | 2n31 | 5n13 | 0n47 | 2s20 | 1n42 | 0s31 | 15s11 | 22n17 | 22n 5 | 20n 0 | 13s46 | 6n 2 |
| M 2 | 22 22 | 23 59 | 0s47 | 19 14 | 3 12 | 12 51 | 1 19 | 13 16 | 3 43 | 9 28 | 1 17 | 3 6 | 2 31 | 5 13 | 0 47 | 2 20 | 1 42 | 0 30 | 15 11 | 22 17 | 22 5 | 20 2 | 13 45 | 6 2 |
| T 3 | 22 14 | 25 32 | 2 5 | 19 14 | 3 21 | 12 24 | 1 16 | 13 19 | 3 45 | 9 30 | 1 17 | 3 6 | 2 32 | 5 13 | 0 47 | 2 20 | 1 42 | 0 30 | 15 11 | 22 17 | 22 4 | 20 4 | 13 44 | 6 2 |
| W 4 | 22 5 | 25 15 | 3 13 | 19 16 | 3 28 | 11 55 | 1 13 | 13 22 | 3 47 | 9 32 | 1 17 | 3 7 | 2 32 | 5 14 | 0 47 | 2 20 | 1 42 | 0 30 | 15 10 | 22 17 | 22 4 | 20 6 | 13 43 | 6 2 |
| T 5 | 21 56 | 23 15 | 4 8 | 19 20 | 3 32 | 11 27 | 1 10 | 13 25 | 3 49 | 9 34 | 1 18 | 3 7 | 2 32 | 5 14 | 0 47 | 2 20 | 1 42 | 0 30 | 15 10 | 22 16 | 22 3 | 20 8 | 13 42 | 6 2 |
| F 6 | 21 47 | 19 49 | 4 46 | 19 25 | 3 33 | 10 58 | 1 7 | 13 29 | 3 51 | 9 36 | 1 18 | 3 7 | 2 32 | 5 15 | 0 47 | 2 20 | 1 42 | 0 30 | 15 10 | 22 15 | 22 3 | 20 11 | 13 41 | 6 2 |
| S 7 | 21 37 | 15 22 | 5 6 | 19 31 | 3 33 | 10 30 | 1 3 | 13 33 | 3 53 | 9 38 | 1 18 | 3 7 | 2 33 | 5 15 | 0 47 | 2 20 | 1 42 | 0 29 | 15 9 | 22 14 | 22 2 | 20 13 | 13 40 | 6 2 |
| S 8 | 21 26 | 10 18 | 5 9 | 19 38 | 3 30 | 10 1 | 1 0 | 13 37 | 3 55 | 9 39 | 1 18 | 3 7 | 2 33 | 5 16 | 0 47 | 2 19 | 1 42 | 0 29 | 15 9 | 22 13 | 22 2 | 20 15 | 13 39 | 6 2 |
| M 9 | 21 15 | 4 55 | 4 55 | 19 45 | 3 25 | 9 31 | 0 57 | 13 41 | 3 57 | 9 41 | 1 18 | 3 7 | 2 33 | 5 16 | 0 48 | 2 19 | 1 42 | 0 29 | 15 9 | 22 12 | 22 1 | 20 17 | 13 38 | 6 2 |
| T 10 | 21 4 | 0n29 | 4 27 | 19 54 | 3 19 | 9 2 | 0 53 | 13 46 | 3 59 | 9 43 | 1 19 | 3 7 | 2 34 | 5 17 | 0 48 | 2 19 | 1 42 | 0 28 | 15 8 | 22 12 | 22 1 | 20 19 | 13 37 | 6 2 |
| W11 | 20 53 | 5 45 | 3 48 | 20 3 | 3 12 | 8 32 | 0 49 | 13 51 | 4 1 | 9 44 | 1 19 | 3 7 | 2 34 | 5 17 | 0 48 | 2 19 | 1 42 | 0 28 | 15 8 | 22 12 | 22 0 | 20 21 | 13 36 | 6 1 |
| T 12 | 20 41 | 10 43 | 2 59 | 20 12 | 3 4 | 8 2 | 0 46 | 13 56 | 4 3 | 9 46 | 1 19 | 3 7 | 2 34 | 5 18 | 0 48 | 2 19 | 1 42 | 0 28 | 15 8 | 22 12 | 22 0 | 20 23 | 13 35 | 6 1 |
| F 13 | 20 28 | 15 13 | 2 3 | 20 22 | 2 54 | 7 32 | 0 42 | 14 2 | 4 5 | 9 47 | 1 19 | 3 7 | 2 34 | 5 18 | 0 48 | 2 19 | 1 42 | 0 28 | 15 7 | 22 12 | 21 59 | 20 26 | 13 34 | 6 1 |
| S 14 | 20 16 | 19 7 | 1 2 | 20 32 | 2 44 | 7 2 | 0 38 | 14 7 | 4 7 | 9 49 | 1 19 | 3 7 | 2 35 | 5 19 | 0 48 | 2 19 | 1 42 | 0 27 | 15 7 | 22 12 | 21 59 | 20 28 | 13 33 | 6 1 |
| S 15 | 20 2 | 22 15 | 0n 1 | 20 42 | 2 34 | 6 31 | 0 34 | 14 13 | 4 8 | 9 50 | 1 20 | 3 7 | 2 35 | 5 19 | 0 48 | 2 18 | 1 43 | 0 27 | 15 7 | 22 12 | 21 58 | 20 30 | 13 32 | 6 1 |
| M16 | 19 49 | 24 27 | 1 5 | 20 52 | 2 23 | 6 1 | 0 30 | 14 20 | 4 10 | 9 51 | 1 20 | 3 7 | 2 35 | 5 20 | 0 48 | 2 18 | 1 43 | 0 27 | 15 6 | 22 12 | 21 58 | 20 32 | 13 31 | 6 1 |
| T 17 | 19 35 | 25 33 | 2 6 | 21 1 | 2 12 | 5 30 | 0 26 | 14 26 | 4 12 | 9 53 | 1 20 | 3 6 | 2 36 | 5 21 | 0 48 | 2 18 | 1 43 | 0 26 | 15 6 | 22 12 | 21 58 | 20 34 | 13 30 | 6 1 |
| W18 | 19 21 | 25 26 | 3 3 | 21 11 | 2 1 | 5 0 | 0 22 | 14 33 | 4 13 | 9 54 | 1 20 | 3 6 | 2 36 | 5 21 | 0 48 | 2 18 | 1 43 | 0 26 | 15 6 | 22 11 | 21 57 | 20 36 | 13 29 | 6 1 |
| T 19 | 19 6 | 24 3 | 3 51 | 21 19 | 1 50 | 4 29 | 0 17 | 14 40 | 4 15 | 9 55 | 1 20 | 3 6 | 2 36 | 5 22 | 0 48 | 2 18 | 1 43 | 0 26 | 15 5 | 22 10 | 21 57 | 20 38 | 13 28 | 6 1 |
| F 20 | 18 51 | 21 25 | 4 29 | 21 28 | 1 39 | 3 58 | 0 13 | 14 47 | 4 16 | 9 56 | 1 21 | 3 5 | 2 36 | 5 23 | 0 48 | 2 17 | 1 43 | 0 25 | 15 5 | 22 8 | 21 56 | 20 40 | 13 27 | 6 1 |
| S 21 | 18 36 | 17 42 | 4 55 | 21 35 | 1 28 | 3 27 | 0 8 | 14 54 | 4 18 | 9 57 | 1 21 | 3 5 | 2 37 | 5 23 | 0 48 | 2 17 | 1 43 | 0 25 | 15 5 | 22 7 | 21 56 | 20 42 | 13 26 | 6 1 |
| S 22 | 18 21 | 13 4 | 5 5 | 21 42 | 1 17 | 2 56 | 0 4 | 15 1 | 4 19 | 9 58 | 1 21 | 3 5 | 2 37 | 5 24 | 0 48 | 2 17 | 1 43 | 0 25 | 15 4 | 22 5 | 21 55 | 20 45 | 13 25 | 6 1 |
| M23 | 18 5 | 7 45 | 4 58 | 21 48 | 1 6 | 2 25 | 0n 1 | 15 9 | 4 20 | 9 59 | 1 21 | 3 4 | 2 37 | 5 25 | 0 48 | 2 17 | 1 43 | 0 24 | 15 4 | 22 4 | 21 55 | 20 47 | 13 24 | 6 1 |
| T 24 | 17 48 | 2 1 | 4 35 | 21 54 | 0 55 | 1 54 | 0 6 | 15 17 | 4 21 | 10 0 | 1 22 | 3 4 | 2 37 | 5 25 | 0 48 | 2 16 | 1 43 | 0 24 | 15 4 | 22 3 | 21 54 | 20 49 | 13 23 | 6 1 |
| W25 | 17 32 | 3s54 | 3 56 | 21 58 | 0 44 | 1 23 | 0 10 | 15 24 | 4 23 | 10 0 | 1 22 | 3 3 | 2 38 | 5 26 | 0 48 | 2 16 | 1 43 | 0 23 | 15 3 | 22 2 | 21 54 | 20 51 | 13 22 | 6 1 |
| T 26 | 17 15 | 9 43 | 3 3 | 22 2 | 0 34 | 0 52 | 0 15 | 15 32 | 4 24 | 10 1 | 1 22 | 3 2 | 2 38 | 5 27 | 0 48 | 2 16 | 1 43 | 0 23 | 15 3 | 22 2 | 21 53 | 20 53 | 13 20 | 6 1 |
| F 27 | 16 58 | 15 6 | 1 59 | 22 4 | 0 24 | 0 21 | 0 20 | 15 40 | 4 25 | 10 2 | 1 22 | 3 2 | 2 38 | 5 28 | 0 48 | 2 15 | 1 43 | 0 23 | 15 3 | 22 2 | 21 53 | 20 55 | 13 19 | 6 1 |
| S 28 | 16 40 | 19 44 | 0 46 | 22 6 | 0 14 | 0n10 | 0 25 | 15 49 | 4 25 | 10 2 | 1 22 | 3 1 | 2 38 | 5 29 | 0 48 | 2 15 | 1 43 | 0 22 | 15 2 | 22 2 | 21 52 | 20 57 | 13 18 | 6 1 |
| S 29 | 16 23 | 23 14 | 0s30 | 22 6 | 0 5 | 0 41 | 0 30 | 15 57 | 4 26 | 10 3 | 1 23 | 3 0 | 2 39 | 5 29 | 0 48 | 2 15 | 1 43 | 0 22 | 15 2 | 22 2 | 21 52 | 20 59 | 13 17 | 6 1 |
| M30 | 16 5 | 25 17 | 1 44 | 22 5 | 0s 5 | 1 12 | 0 35 | 16 5 | 4 27 | 10 3 | 1 23 | 3 0 | 2 39 | 5 30 | 0 48 | 2 14 | 1 43 | 0 21 | 15 2 | 22 2 | 21 51 | 21 1 | 13 16 | 6 2 |
| T 31 | 15s46 | 25s39 | 2s52 | 22s 4 | 0s14 | 1n43 | 0n40 | 16n13 | 4n27 | 10s 3 | 1n23 | 2s59 | 2n39 | 5n31 | 0n48 | 2s14 | 1n43 | 0s21 | 15s 1 | 22n 1 | 21n51 | 21n 3 | 13s15 | 6n 2 |

Julian Day Number = 2133059.5, Delta T = 16m18s
Ecliptic obliquity = 23°33'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'00, Lahiri = 11°42'00 Julian Calendar 1 Jan. 1128 == Greg. Calendar 8 Jan. 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## FEBRUARY 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 6 37 | 18♒ 8'48 | 28♉30 | 22♉40 | 3♈51 | 28°R 8 | 29♎32 | 13°R40 | 17°R56 | 9°R34 | 6♉52 | 9°R39 | 8♊34 | 5♊38 | 5♒ 7 | W 1 |
| T 2 | 9 10 34 | 19° 9'17 | 12♒43 | 23°55 | 4°55 | 27♌45 | 29°33 | 13♎38 | 17♍54 | 9♎33 | 6°53 | 9♊29 | 8°31 | 5°45 | 5°12 | T 2 |
| F 3 | 9 14 30 | 20° 9'43 | 26°44 | 25°10 | 6° 0 | 27°23 | 29°34 | 13°36 | 17°51 | 9°32 | 6°53 | 9°18 | 8°27 | 5°51 | 5°16 | F 3 |
| S 4 | 9 18 27 | 21°10'08 | 10♓26 | 26°28 | 7° 4 | 26°59 | 29°34 | 13°34 | 17°49 | 9°31 | 6°53 | 9° 6 | 8°24 | 5°58 | 5°21 | S 4 |
| S 5 | 9 22 23 | 22°10'31 | 23°47 | 27°47 | 8° 9 | 26°36 | 29°35 | 13°32 | 17°47 | 9°30 | 6°54 | 8°54 | 8°21 | 6° 5 | 5°25 | S 5 |
| M 6 | 9 26 20 | 23°10'52 | 6♈45 | 29° 7 | 9°12 | 26°12 | 29°35 | 13°30 | 17°45 | 9°29 | 6°54 | 8°44 | 8°18 | 6°11 | 5°30 | M 6 |
| T 7 | 9 30 16 | 24°11'12 | 19°22 | 0♒28 | 10°16 | 25°49 | 29°R36 | 13°28 | 17°42 | 9°28 | 6°55 | 8°37 | 8°15 | 6°18 | 5°34 | T 7 |
| W 8 | 9 34 13 | 25°11'29 | 1♉39 | 1°51 | 11°19 | 25°25 | 29°36 | 13°26 | 17°40 | 9°27 | 6°55 | 8°32 | 8°11 | 6°25 | 5°39 | W 8 |
| T 9 | 9 38 9 | 26°11'44 | 13°42 | 3°16 | 12°21 | 25° 1 | 29°35 | 13°24 | 17°38 | 9°26 | 6°56 | 8°30 | 8° 8 | 6°31 | 5°43 | T 9 |
| F 10 | 9 42 6 | 27°11'57 | 25°34 | 4°41 | 13°24 | 24°37 | 29°35 | 13°21 | 17°35 | 9°25 | 6°56 | 8°D29 | 8° 5 | 6°38 | 5°48 | F 10 |
| S 11 | 9 46 3 | 28°12'08 | 7♊22 | 6° 8 | 14°26 | 24°13 | 29°34 | 13°19 | 17°33 | 9°24 | 6°57 | 8°R29 | 8° 2 | 6°44 | 5°52 | S 11 |
| S 12 | 9 49 59 | 29°12'17 | 19°10 | 7°36 | 15°28 | 23°50 | 29°34 | 13°16 | 17°31 | 9°23 | 6°58 | 8°29 | 7°59 | 6°51 | 5°57 | S 12 |
| M13 | 9 53 56 | 0♓12'24 | 1♋ 6 | 9° 5 | 16°29 | 23°26 | 29°33 | 13°14 | 17°28 | 9°22 | 6°58 | 8°27 | 7°56 | 6°58 | 6° 1 | M13 |
| T 14 | 9 57 52 | 1°12'29 | 13°12 | 10°36 | 17°30 | 23° 3 | 29°32 | 13°11 | 17°26 | 9°21 | 6°59 | 8°23 | 7°52 | 7° 4 | 6° 5 | T 14 |
| W15 | 10 1 49 | 2°12'31 | 25°33 | 12° 7 | 18°30 | 22°40 | 29°30 | 13° 8 | 17°23 | 9°19 | 7° 0 | 8°16 | 7°49 | 7°11 | 6°10 | W15 |
| T 16 | 10 5 45 | 3°12'32 | 8♌12 | 13°40 | 19°30 | 22°17 | 29°29 | 13° 5 | 17°21 | 9°18 | 7° 0 | 8° 6 | 7°46 | 7°18 | 6°14 | T 16 |
| F 17 | 10 9 42 | 4°12'30 | 21°11 | 15°14 | 20°30 | 21°55 | 29°27 | 13° 2 | 17°18 | 9°17 | 7° 1 | 7°55 | 7°43 | 7°24 | 6°18 | F 17 |
| S 18 | 10 13 38 | 5°12'27 | 4♍27 | 16°49 | 21°29 | 21°33 | 29°25 | 12°59 | 17°16 | 9°16 | 7° 2 | 7°42 | 7°40 | 7°31 | 6°23 | S 18 |
| S 19 | 10 17 35 | 6°12'21 | 18° 1 | 18°25 | 22°27 | 21°11 | 29°23 | 12°56 | 17°13 | 9°14 | 7° 2 | 7°29 | 7°36 | 7°38 | 6°27 | S 19 |
| M20 | 10 21 32 | 7°12'13 | 1♎48 | 20° 2 | 23°25 | 20°50 | 29°21 | 12°53 | 17°11 | 9°13 | 7° 3 | 7°17 | 7°33 | 7°44 | 6°31 | M20 |
| T 21 | 10 25 28 | 8°12'04 | 15°45 | 21°40 | 24°23 | 20°29 | 29°19 | 12°49 | 17° 8 | 9°12 | 7° 4 | 7° 8 | 7°30 | 7°51 | 6°35 | T 21 |
| W22 | 10 29 25 | 9°11'53 | 29°48 | 23°20 | 25°20 | 20° 9 | 29°16 | 12°46 | 17° 6 | 9°10 | 7° 5 | 7° 1 | 7°27 | 7°58 | 6°39 | W22 |
| T 23 | 10 33 21 | 10°11'40 | 13♏53 | 25° 1 | 26°16 | 19°49 | 29°13 | 12°43 | 17° 3 | 9° 9 | 7° 5 | 6°58 | 7°24 | 8° 4 | 6°44 | T 23 |
| F 24 | 10 37 18 | 11°11'25 | 28° 0 | 26°43 | 27°12 | 19°30 | 29°10 | 12°39 | 17° 0 | 9° 8 | 7° 6 | 6°57 | 7°21 | 8°11 | 6°48 | F 24 |
| S 25 | 10 41 14 | 12°11'09 | 12♐ 6 | 28°26 | 28° 8 | 19°11 | 29° 7 | 12°36 | 16°58 | 9° 6 | 7° 7 | 6°57 | 7°17 | 8°18 | 6°52 | S 25 |
| S 26 | 10 45 11 | 13°10'51 | 26°11 | 0♓10 | 29° 3 | 18°53 | 29° 4 | 12°32 | 16°55 | 9° 5 | 7° 8 | 6°56 | 7°14 | 8°24 | 6°56 | S 26 |
| M27 | 10 49 7 | 14°10'31 | 10♑14 | 1°56 | 29°57 | 18°36 | 29° 0 | 12°28 | 16°53 | 9° 3 | 7° 9 | 6°54 | 7°11 | 8°31 | 7° 0 | M27 |
| T 28 | 10 53 4 | 15°10'09 | 24°13 | 3°43 | 0♉50 | 18°19 | 28°57 | 12°24 | 16°50 | 9° 2 | 7°10 | 6°50 | 7° 8 | 8°37 | 7° 4 | T 28 |
| W29 | 10 57 1 | 16♓ 9'46 | 8♒ 7 | 5♓31 | 1♉43 | 18♌ 3 | 28♎53 | 12♎21 | 16♍47 | 9♎ 0 | 7♉11 | 6♊43 | 7♊ 5 | 8♊44 | 7♒ 8 | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s28 | 24s17 | 3s48 | 22s 0 | 0s23 | 2n14 | 0n46 | 16n22 | 4n28 | 10s 4 | 1n23 | 2s58 | 2n40 | 5n32 | 0n48 | 2s13 | 1n43 | 0s21 | 15s 1 | 22n 0 | 21n50 | 21n 5 | 13s14 | 6n 2 |
| T 2 | 15 9 | 21 23 | 4 30 | 21 56 | 0 31 | 2 45 | 0 51 | 16 30 | 4 28 | 10 4 | 1 24 | 2 57 | 2 40 | 5 33 | 0 48 | 2 13 | 1 44 | 0 20 | 15 1 | 21 59 | 21 50 | 21 7 | 13 12 | 6 2 |
| F 3 | 14 50 | 17 16 | 4 55 | 21 51 | 0 39 | 3 15 | 0 56 | 16 38 | 4 29 | 10 4 | 1 24 | 2 56 | 2 40 | 5 34 | 0 48 | 2 13 | 1 44 | 0 20 | 15 0 | 21 57 | 21 49 | 21 9 | 13 11 | 6 2 |
| S 4 | 14 31 | 12 20 | 5 2 | 21 44 | 0 47 | 3 46 | 1 2 | 16 47 | 4 29 | 10 4 | 1 24 | 2 55 | 2 40 | 5 35 | 0 48 | 2 12 | 1 44 | 0 19 | 15 0 | 21 55 | 21 49 | 21 11 | 13 10 | 6 2 |
| S 5 | 14 11 | 6 57 | 4 52 | 21 36 | 0 55 | 4 16 | 1 7 | 16 55 | 4 29 | 10 4 | 1 24 | 2 54 | 2 41 | 5 35 | 0 48 | 2 12 | 1 44 | 0 19 | 15 0 | 21 53 | 21 48 | 21 13 | 13 9 | 6 2 |
| M 6 | 13 51 | 1 24 | 4 27 | 21 27 | 1 2 | 4 47 | 1 13 | 17 3 | 4 29 | 10 4 | 1 24 | 2 53 | 2 41 | 5 36 | 0 48 | 2 11 | 1 44 | 0 18 | 14 59 | 21 52 | 21 48 | 21 15 | 13 8 | 6 2 |
| T 7 | 13 31 | 4n 4 | 3 50 | 21 16 | 1 9 | 5 17 | 1 18 | 17 11 | 4 29 | 10 4 | 1 25 | 2 52 | 2 41 | 5 37 | 0 48 | 2 11 | 1 44 | 0 18 | 14 59 | 21 51 | 21 47 | 21 17 | 13 7 | 6 2 |
| W 8 | 13 11 | 9 15 | 3 2 | 21 4 | 1 15 | 5 47 | 1 24 | 17 19 | 4 28 | 10 4 | 1 25 | 2 51 | 2 41 | 5 38 | 0 48 | 2 10 | 1 44 | 0 17 | 14 59 | 21 50 | 21 47 | 21 19 | 13 5 | 6 2 |
| T 9 | 12 51 | 14 0 | 2 8 | 20 51 | 1 22 | 6 17 | 1 30 | 17 27 | 4 28 | 10 3 | 1 25 | 2 50 | 2 41 | 5 39 | 0 48 | 2 10 | 1 44 | 0 17 | 14 59 | 21 50 | 21 46 | 21 21 | 13 4 | 6 2 |
| F 10 | 12 30 | 18 9 | 1 8 | 20 36 | 1 28 | 6 47 | 1 36 | 17 34 | 4 28 | 10 3 | 1 25 | 2 49 | 2 42 | 5 40 | 0 48 | 2 10 | 1 44 | 0 16 | 14 58 | 21 49 | 21 46 | 21 23 | 13 3 | 6 3 |
| S 11 | 12 9 | 21 33 | 0 6 | 20 20 | 1 33 | 7 16 | 1 41 | 17 42 | 4 27 | 10 3 | 1 25 | 2 48 | 2 42 | 5 41 | 0 48 | 2 9 | 1 44 | 0 16 | 14 58 | 21 50 | 21 45 | 21 25 | 13 2 | 6 3 |
| S 12 | 11 48 | 24 3 | 0n56 | 20 3 | 1 38 | 7 46 | 1 47 | 17 49 | 4 26 | 10 2 | 1 26 | 2 46 | 2 42 | 5 42 | 0 48 | 2 9 | 1 44 | 0 15 | 14 58 | 21 49 | 21 45 | 21 27 | 13 1 | 6 3 |
| M13 | 11 27 | 25 30 | 1 57 | 19 44 | 1 43 | 8 15 | 1 53 | 17 57 | 4 26 | 10 2 | 1 26 | 2 45 | 2 42 | 5 43 | 0 48 | 2 8 | 1 44 | 0 15 | 14 57 | 21 49 | 21 44 | 21 29 | 12 59 | 6 3 |
| T 14 | 11 6 | 25 46 | 2 53 | 19 24 | 1 48 | 8 44 | 1 59 | 18 4 | 4 25 | 10 1 | 1 26 | 2 44 | 2 43 | 5 44 | 0 48 | 2 8 | 1 44 | 0 15 | 14 57 | 21 48 | 21 44 | 21 31 | 12 58 | 6 3 |
| W15 | 10 44 | 24 46 | 3 42 | 19 2 | 1 52 | 9 12 | 2 5 | 18 10 | 4 24 | 10 0 | 1 26 | 2 43 | 2 43 | 5 45 | 0 48 | 2 7 | 1 44 | 0 14 | 14 57 | 21 47 | 21 43 | 21 33 | 12 57 | 6 3 |
| T 16 | 10 23 | 22 30 | 4 21 | 18 39 | 1 56 | 9 41 | 2 11 | 18 17 | 4 23 | 10 0 | 1 26 | 2 41 | 2 43 | 5 46 | 0 48 | 2 6 | 1 44 | 0 14 | 14 56 | 21 46 | 21 43 | 21 35 | 12 56 | 6 4 |
| F 17 | 10 1 | 19 3 | 4 48 | 18 15 | 1 59 | 10 9 | 2 17 | 18 23 | 4 21 | 9 59 | 1 27 | 2 40 | 2 43 | 5 47 | 0 48 | 2 6 | 1 44 | 0 13 | 14 56 | 21 44 | 21 42 | 21 37 | 12 55 | 6 4 |
| S 18 | 9 39 | 14 34 | 5 0 | 17 49 | 2 2 | 10 37 | 2 23 | 18 29 | 4 20 | 9 58 | 1 27 | 2 39 | 2 43 | 5 48 | 0 48 | 2 5 | 1 44 | 0 13 | 14 56 | 21 42 | 21 42 | 21 39 | 12 53 | 6 4 |
| S 19 | 9 17 | 9 17 | 4 55 | 17 21 | 2 5 | 11 5 | 2 29 | 18 35 | 4 19 | 9 57 | 1 27 | 2 37 | 2 44 | 5 49 | 0 49 | 2 5 | 1 44 | 0 12 | 14 55 | 21 40 | 21 41 | 21 41 | 12 52 | 6 4 |
| M20 | 8 54 | 3 28 | 4 34 | 16 53 | 2 7 | 11 32 | 2 35 | 18 41 | 4 17 | 9 56 | 1 27 | 2 36 | 2 44 | 5 50 | 0 49 | 2 4 | 1 44 | 0 12 | 14 55 | 21 38 | 21 40 | 21 43 | 12 51 | 6 4 |
| T 21 | 8 32 | 2s36 | 3 55 | 16 23 | 2 9 | 11 59 | 2 41 | 18 46 | 4 16 | 9 55 | 1 27 | 2 34 | 2 44 | 5 51 | 0 49 | 2 4 | 1 44 | 0 11 | 14 55 | 21 36 | 21 40 | 21 45 | 12 50 | 6 4 |
| W22 | 8 10 | 8 36 | 3 3 | 15 51 | 2 10 | 12 26 | 2 47 | 18 51 | 4 14 | 9 54 | 1 28 | 2 33 | 2 44 | 5 52 | 0 49 | 2 3 | 1 44 | 0 11 | 14 55 | 21 35 | 21 39 | 21 47 | 12 49 | 6 5 |
| T 23 | 7 47 | 14 12 | 1 59 | 15 18 | 2 11 | 12 52 | 2 53 | 18 56 | 4 12 | 9 53 | 1 28 | 2 31 | 2 44 | 5 53 | 0 49 | 2 3 | 1 44 | 0 10 | 14 54 | 21 35 | 21 39 | 21 49 | 12 47 | 6 5 |
| F 24 | 7 24 | 19 3 | 0 47 | 14 44 | 2 11 | 13 18 | 2 59 | 19 0 | 4 11 | 9 52 | 1 28 | 2 30 | 2 45 | 5 54 | 0 49 | 2 2 | 1 44 | 0 9 | 14 54 | 21 34 | 21 38 | 21 51 | 12 46 | 6 5 |
| S 25 | 7 1 | 22 48 | 0s27 | 14 8 | 2 12 | 13 44 | 3 5 | 19 4 | 4 9 | 9 50 | 1 28 | 2 28 | 2 45 | 5 55 | 0 49 | 2 1 | 1 45 | 0 9 | 14 54 | 21 34 | 21 38 | 21 53 | 12 45 | 6 5 |
| S 26 | 6 38 | 25 10 | 1 40 | 13 31 | 2 11 | 14 10 | 3 11 | 19 8 | 4 7 | 9 49 | 1 28 | 2 27 | 2 45 | 5 56 | 0 49 | 2 1 | 1 45 | 0 8 | 14 53 | 21 34 | 21 37 | 21 55 | 12 44 | 6 5 |
| M27 | 6 15 | 25 55 | 2 46 | 12 52 | 2 10 | 14 35 | 3 17 | 19 12 | 4 5 | 9 48 | 1 29 | 2 25 | 2 45 | 5 57 | 0 49 | 2 0 | 1 45 | 0 8 | 14 53 | 21 34 | 21 37 | 21 57 | 12 43 | 6 6 |
| T 28 | 5 52 | 25 1 | 3 42 | 12 12 | 2 9 | 14 59 | 3 23 | 19 15 | 4 3 | 9 46 | 1 29 | 2 23 | 2 45 | 5 58 | 0 49 | 2 0 | 1 45 | 0 7 | 14 53 | 21 33 | 21 36 | 21 59 | 12 41 | 6 6 |
| W29 | 5s29 | 22s35 | 4s25 | 11s30 | 2s 7 | 15n24 | 3n29 | 19n18 | 4n 1 | 9s45 | 1n29 | 2s22 | 2n45 | 5n59 | 0n49 | 1s59 | 1n45 | 0s 7 | 14s53 | 21n32 | 21n36 | 22n 1 | 12s40 | 6n 6 |

Julian Day Number = 2133090.5, Delta T = 16m17s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'04, Lahiri = 11°42'04 Julian Calendar 1 Feb. 1128 == Greg. Calendar 8 Feb. 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## MARCH 1128 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 0 57 | 17♓ 9'21 | 21♒54 | 7♓20 | 2♉36 | 17°R48 | 28°R49 | 12°R17 | 16°R45 | 8°R59 | 7♉11 | 6°R33 | 7♊ 2 | 8♊51 | 7♒11 | T 1 |
| F 2 | 11 4 54 | 18° 8'54 | 5♓29 | 9°10 | 3°27 | 17♌33 | 28♎45 | 12♎13 | 16♍42 | 8♎57 | 7°12 | 6♊21 | 6°58 | 8°57 | 7°15 | F 2 |
| S 3 | 11 8 50 | 19° 8'24 | 18°51 | 11° 2 | 4°18 | 17°20 | 28°40 | 12° 9 | 16°40 | 8°56 | 7°13 | 6° 8 | 6°55 | 9° 4 | 7°19 | S 3 |
| S 4 | 11 12 47 | 20° 7'53 | 1♈56 | 12°55 | 5° 8 | 17° 7 | 28°36 | 12° 5 | 16°37 | 8°54 | 7°14 | 5°56 | 6°52 | 9°11 | 7°23 | S 4 |
| M 5 | 11 16 43 | 21° 7'19 | 14°44 | 14°50 | 5°57 | 16°54 | 28°31 | 12° 1 | 16°34 | 8°53 | 7°15 | 5°45 | 6°49 | 9°17 | 7°26 | M 5 |
| T 6 | 11 20 40 | 22° 6'43 | 27°14 | 16°45 | 6°46 | 16°43 | 28°26 | 11°56 | 16°32 | 8°51 | 7°16 | 5°37 | 6°46 | 9°24 | 7°30 | T 6 |
| W 7 | 11 24 36 | 23° 6'05 | 9♉29 | 18°42 | 7°33 | 16°32 | 28°21 | 11°52 | 16°29 | 8°50 | 7°17 | 5°31 | 6°42 | 9°31 | 7°34 | W 7 |
| T 8 | 11 28 33 | 24° 5'25 | 21°30 | 20°40 | 8°20 | 16°22 | 28°16 | 11°48 | 16°27 | 8°48 | 7°18 | 5°28 | 6°39 | 9°37 | 7°37 | T 8 |
| F 9 | 11 32 29 | 25° 4'43 | 3♊22 | 22°39 | 9° 6 | 16°13 | 28°11 | 11°44 | 16°24 | 8°46 | 7°19 | 5°D27 | 6°36 | 9°44 | 7°41 | F 9 |
| S 10 | 11 36 26 | 26° 3'58 | 15°10 | 24°40 | 9°50 | 16° 4 | 28° 6 | 11°39 | 16°22 | 8°45 | 7°20 | 5°27 | 6°33 | 9°51 | 7°44 | S 10 |
| S 11 | 11 40 23 | 27° 3'11 | 26°59 | 26°41 | 10°34 | 15°57 | 28° 0 | 11°35 | 16°19 | 8°43 | 7°21 | 5°R28 | 6°30 | 9°57 | 7°48 | S 11 |
| M12 | 11 44 19 | 28° 2'21 | 8♋55 | 28°43 | 11°17 | 15°50 | 27°54 | 11°31 | 16°16 | 8°42 | 7°23 | 5°27 | 6°27 | 10° 4 | 7°51 | M12 |
| T 13 | 11 48 16 | 29° 1'30 | 21° 2 | 0♈46 | 11°59 | 15°44 | 27°49 | 11°26 | 16°14 | 8°40 | 7°24 | 5°25 | 6°23 | 10°10 | 7°55 | T 13 |
| W14 | 11 52 12 | 0♈ 0'35 | 3♌26 | 2°50 | 12°39 | 15°39 | 27°43 | 11°22 | 16°11 | 8°38 | 7°25 | 5°20 | 6°20 | 10°17 | 7°58 | W14 |
| T 15 | 11 56 9 | 0°59'39 | 16°11 | 4°54 | 13°19 | 15°34 | 27°37 | 11°17 | 16° 9 | 8°37 | 7°26 | 5°13 | 6°17 | 10°24 | 8° 1 | T 15 |
| F 16 | 12 0 5 | 1°58'40 | 29°18 | 6°58 | 13°57 | 15°31 | 27°30 | 11°13 | 16° 6 | 8°35 | 7°27 | 5° 4 | 6°14 | 10°30 | 8° 4 | F 16 |
| S 17 | 12 4 2 | 2°57'39 | 12♍49 | 9° 2 | 14°34 | 15°28 | 27°24 | 11° 8 | 16° 4 | 8°34 | 7°28 | 4°54 | 6°11 | 10°37 | 8° 8 | S 17 |
| S 18 | 12 7 58 | 3°56'36 | 26°41 | 11° 6 | 15° 9 | 15°26 | 27°18 | 11° 4 | 16° 2 | 8°32 | 7°29 | 4°44 | 6° 8 | 10°44 | 8°11 | S 18 |
| M19 | 12 11 55 | 4°55'30 | 10♎52 | 13°10 | 15°44 | 15°24 | 27°11 | 10°59 | 15°59 | 8°30 | 7°30 | 4°34 | 6° 4 | 10°50 | 8°14 | M19 |
| T 20 | 12 15 52 | 5°54'23 | 25°15 | 15°13 | 16°17 | 15°D24 | 27° 5 | 10°55 | 15°57 | 8°29 | 7°32 | 4°27 | 6° 1 | 10°57 | 8°17 | T 20 |
| W21 | 12 19 48 | 6°53'13 | 9♏44 | 17°14 | 16°48 | 15°24 | 26°58 | 10°50 | 15°54 | 8°27 | 7°33 | 4°22 | 5°58 | 11° 4 | 8°20 | W21 |
| T 22 | 12 23 45 | 7°52'02 | 24°14 | 19°15 | 17°18 | 15°25 | 26°51 | 10°46 | 15°52 | 8°25 | 7°34 | 4°20 | 5°55 | 11°10 | 8°23 | T 22 |
| F 23 | 12 27 41 | 8°50'49 | 8♐40 | 21°13 | 17°46 | 15°26 | 26°44 | 10°41 | 15°50 | 8°24 | 7°35 | 4°D20 | 5°52 | 11°17 | 8°26 | F 23 |
| S 24 | 12 31 38 | 9°49'35 | 22°58 | 23° 9 | 18°13 | 15°28 | 26°37 | 10°36 | 15°47 | 8°22 | 7°36 | 4°20 | 5°48 | 11°24 | 8°28 | S 24 |
| S 25 | 12 35 34 | 10°48'18 | 7♑ 6 | 25° 2 | 18°38 | 15°31 | 26°30 | 10°32 | 15°45 | 8°20 | 7°38 | 4°R21 | 5°45 | 11°30 | 8°31 | S 25 |
| M26 | 12 39 31 | 11°47'00 | 21° 4 | 26°53 | 19° 2 | 15°35 | 26°23 | 10°27 | 15°43 | 8°19 | 7°39 | 4°21 | 5°42 | 11°37 | 8°34 | M26 |
| T 27 | 12 43 27 | 12°45'41 | 4♒50 | 28°40 | 19°23 | 15°39 | 26°16 | 10°23 | 15°41 | 8°17 | 7°40 | 4°19 | 5°39 | 11°43 | 8°37 | T 27 |
| W28 | 12 47 24 | 13°44'19 | 18°25 | 0♉24 | 19°43 | 15°44 | 26° 9 | 10°18 | 15°38 | 8°16 | 7°41 | 4°14 | 5°36 | 11°50 | 8°39 | W28 |
| T 29 | 12 51 21 | 14°42'56 | 1♓49 | 2° 4 | 20° 1 | 15°50 | 26° 1 | 10°14 | 15°36 | 8°14 | 7°43 | 4° 8 | 5°33 | 11°57 | 8°42 | T 29 |
| F 30 | 12 55 17 | 15°41'31 | 15° 0 | 3°40 | 20°16 | 15°56 | 25°54 | 10° 9 | 15°34 | 8°12 | 7°44 | 4° 0 | 5°29 | 12° 3 | 8°44 | F 30 |
| S 31 | 12 59 14 | 16♈40'04 | 27♓58 | 5♉12 | 20♉30 | 16♌ 3 | 25♎46 | 10♎ 4 | 15♍32 | 8♎11 | 7♉45 | 3♊52 | 5♊26 | 12♊10 | 8♒47 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s 6 | 18s52 | 4s51 | 10s47 | 2s 5 | 15n48 | 3n35 | 19n21 | 3n59 | 9s43 | 1n29 | 2s20 | 2n46 | 6n 0 | 0n49 | 1s58 | 1n45 | 0s 6 | 14s52 | 21n30 | 21n35 | 22n 3 | 12s39 | 6n 6 |
| F 2 | 4 42 | 14 12 | 5 1 | 10 3 | 2 2 | 16 11 | 3 41 | 19 23 | 3 56 | 9 41 | 1 29 | 2 18 | 2 46 | 6 1 | 0 49 | 1 58 | 1 45 | 0 6 | 14 52 | 21 28 | 21 35 | 22 4 | 12 38 | 6 7 |
| S 3 | 4 19 | 8 56 | 4 53 | 9 17 | 1 59 | 16 34 | 3 47 | 19 26 | 3 54 | 9 40 | 1 29 | 2 17 | 2 46 | 6 2 | 0 49 | 1 57 | 1 45 | 0 5 | 14 52 | 21 26 | 21 34 | 22 6 | 12 37 | 6 7 |
| S 4 | 3 56 | 3 22 | 4 31 | 8 30 | 1 55 | 16 57 | 3 53 | 19 28 | 3 52 | 9 38 | 1 30 | 2 15 | 2 46 | 6 3 | 0 49 | 1 57 | 1 45 | 0 5 | 14 52 | 21 24 | 21 34 | 22 8 | 12 36 | 6 7 |
| M 5 | 3 32 | 2n14 | 3 55 | 7 42 | 1 50 | 17 19 | 3 59 | 19 29 | 3 50 | 9 36 | 1 30 | 2 13 | 2 46 | 6 4 | 0 49 | 1 56 | 1 45 | 0 4 | 14 51 | 21 22 | 21 33 | 22 10 | 12 34 | 6 7 |
| T 6 | 3 9 | 7 37 | 3 8 | 6 52 | 1 45 | 17 41 | 4 5 | 19 31 | 3 47 | 9 34 | 1 30 | 2 12 | 2 46 | 6 5 | 0 49 | 1 55 | 1 45 | 0 4 | 14 51 | 21 21 | 21 33 | 22 12 | 12 33 | 6 8 |
| W 7 | 2 45 | 12 37 | 2 13 | 6 1 | 1 40 | 18 2 | 4 11 | 19 32 | 3 45 | 9 32 | 1 30 | 2 10 | 2 46 | 6 6 | 0 49 | 1 55 | 1 45 | 0 3 | 14 51 | 21 20 | 21 32 | 22 14 | 12 32 | 6 8 |
| T 8 | 2 21 | 17 2 | 1 14 | 5 9 | 1 34 | 18 23 | 4 16 | 19 32 | 3 42 | 9 30 | 1 30 | 2 8 | 2 46 | 6 7 | 0 49 | 1 54 | 1 45 | 0 3 | 14 51 | 21 19 | 21 31 | 22 16 | 12 31 | 6 8 |
| F 9 | 1 58 | 20 45 | 0 11 | 4 16 | 1 27 | 18 44 | 4 22 | 19 33 | 3 40 | 9 28 | 1 30 | 2 6 | 2 47 | 6 8 | 0 49 | 1 53 | 1 45 | 0 2 | 14 50 | 21 19 | 21 31 | 22 18 | 12 30 | 6 8 |
| S 10 | 1 34 | 23 35 | 0n52 | 3 22 | 1 20 | 19 4 | 4 28 | 19 33 | 3 38 | 9 26 | 1 30 | 2 5 | 2 47 | 6 9 | 0 49 | 1 53 | 1 45 | 0 2 | 14 50 | 21 19 | 21 30 | 22 20 | 12 29 | 6 9 |
| S 11 | 1 11 | 25 23 | 1 52 | 2 26 | 1 13 | 19 23 | 4 33 | 19 33 | 3 35 | 9 24 | 1 31 | 2 3 | 2 47 | 6 10 | 0 48 | 1 52 | 1 45 | 0 1 | 14 50 | 21 19 | 21 30 | 22 21 | 12 27 | 6 9 |
| M12 | 0 47 | 26 3 | 2 48 | 1 30 | 1 5 | 19 42 | 4 39 | 19 33 | 3 33 | 9 22 | 1 31 | 2 1 | 2 47 | 6 11 | 0 48 | 1 51 | 1 45 | 0 0 | 14 50 | 21 19 | 21 29 | 22 23 | 12 26 | 6 9 |
| T 13 | 0 23 | 25 29 | 3 38 | 0 33 | 0 56 | 20 0 | 4 44 | 19 32 | 3 30 | 9 20 | 1 31 | 1 59 | 2 47 | 6 12 | 0 48 | 1 51 | 1 45 | 0n 0 | 14 50 | 21 18 | 21 29 | 22 25 | 12 25 | 6 10 |
| W14 | 0n 0 | 23 40 | 4 19 | 0n25 | 0 47 | 20 18 | 4 50 | 19 31 | 3 28 | 9 18 | 1 31 | 1 57 | 2 47 | 6 13 | 0 48 | 1 50 | 1 45 | 0 1 | 14 49 | 21 18 | 21 28 | 22 27 | 12 24 | 6 10 |
| T 15 | 0 24 | 20 38 | 4 48 | 1 23 | 0 37 | 20 35 | 4 55 | 19 30 | 3 25 | 9 15 | 1 31 | 1 56 | 2 47 | 6 14 | 0 48 | 1 49 | 1 45 | 0 1 | 14 49 | 21 16 | 21 28 | 22 29 | 12 23 | 6 10 |
| F 16 | 0 47 | 16 29 | 5 2 | 2 22 | 0 27 | 20 52 | 5 0 | 19 29 | 3 23 | 9 13 | 1 31 | 1 54 | 2 47 | 6 15 | 0 48 | 1 49 | 1 45 | 0 2 | 14 49 | 21 15 | 21 27 | 22 31 | 12 22 | 6 11 |
| S 17 | 1 11 | 11 24 | 5 1 | 3 20 | 0 17 | 21 8 | 5 5 | 19 28 | 3 20 | 9 11 | 1 31 | 1 52 | 2 47 | 6 16 | 0 48 | 1 48 | 1 45 | 0 2 | 14 49 | 21 13 | 21 27 | 22 32 | 12 21 | 6 11 |
| S 18 | 1 34 | 5 38 | 4 42 | 4 19 | 0 6 | 21 23 | 5 10 | 19 26 | 3 18 | 9 8 | 1 31 | 1 50 | 2 47 | 6 17 | 0 48 | 1 47 | 1 45 | 0 3 | 14 49 | 21 11 | 21 26 | 22 34 | 12 20 | 6 11 |
| M19 | 1 58 | 0s33 | 4 6 | 5 18 | 0n 5 | 21 38 | 5 15 | 19 24 | 3 15 | 9 6 | 1 31 | 1 48 | 2 47 | 6 18 | 0 48 | 1 47 | 1 45 | 0 3 | 14 48 | 21 9 | 21 25 | 22 36 | 12 19 | 6 12 |
| T 20 | 2 21 | 6 49 | 3 13 | 6 16 | 0 16 | 21 52 | 5 19 | 19 22 | 3 13 | 9 4 | 1 31 | 1 46 | 2 47 | 6 19 | 0 48 | 1 46 | 1 45 | 0 4 | 14 48 | 21 8 | 21 25 | 22 38 | 12 17 | 6 12 |
| W21 | 2 45 | 12 47 | 2 8 | 7 13 | 0 27 | 22 6 | 5 24 | 19 19 | 3 10 | 9 1 | 1 31 | 1 45 | 2 47 | 6 20 | 0 48 | 1 46 | 1 45 | 0 4 | 14 48 | 21 7 | 21 24 | 22 40 | 12 16 | 6 12 |
| T 22 | 3 8 | 18 3 | 0 54 | 8 10 | 0 39 | 22 19 | 5 28 | 19 17 | 3 8 | 8 59 | 1 32 | 1 43 | 2 47 | 6 20 | 0 48 | 1 45 | 1 45 | 0 5 | 14 48 | 21 7 | 21 24 | 22 42 | 12 15 | 6 13 |
| F 23 | 3 31 | 22 14 | 0s23 | 9 5 | 0 50 | 22 31 | 5 32 | 19 14 | 3 5 | 8 56 | 1 32 | 1 41 | 2 47 | 6 21 | 0 48 | 1 44 | 1 45 | 0 5 | 14 48 | 21 7 | 21 23 | 22 43 | 12 14 | 6 13 |
| S 24 | 3 55 | 25 0 | 1 38 | 9 59 | 1 1 | 22 42 | 5 36 | 19 11 | 3 3 | 8 53 | 1 32 | 1 39 | 2 48 | 6 22 | 0 48 | 1 44 | 1 45 | 0 6 | 14 47 | 21 7 | 21 23 | 22 45 | 12 13 | 6 13 |
| S 25 | 4 18 | 26 8 | 2 47 | 10 52 | 1 12 | 22 53 | 5 40 | 19 8 | 3 0 | 8 51 | 1 32 | 1 37 | 2 48 | 6 23 | 0 48 | 1 43 | 1 45 | 0 7 | 14 47 | 21 7 | 21 22 | 22 47 | 12 12 | 6 14 |
| M26 | 4 41 | 25 35 | 3 44 | 11 42 | 1 23 | 23 3 | 5 43 | 19 4 | 2 58 | 8 48 | 1 32 | 1 35 | 2 48 | 6 24 | 0 48 | 1 42 | 1 45 | 0 7 | 14 47 | 21 7 | 21 22 | 22 49 | 12 11 | 6 14 |
| T 27 | 5 4 | 23 28 | 4 28 | 12 31 | 1 34 | 23 12 | 5 46 | 19 1 | 2 56 | 8 46 | 1 32 | 1 34 | 2 48 | 6 25 | 0 48 | 1 42 | 1 45 | 0 8 | 14 47 | 21 6 | 21 21 | 22 50 | 12 10 | 6 14 |
| W28 | 5 27 | 20 3 | 4 56 | 13 17 | 1 44 | 23 21 | 5 49 | 18 57 | 2 53 | 8 43 | 1 32 | 1 32 | 2 48 | 6 26 | 0 48 | 1 41 | 1 45 | 0 8 | 14 47 | 21 6 | 21 20 | 22 52 | 12 9 | 6 15 |
| T 29 | 5 50 | 15 39 | 5 7 | 14 1 | 1 54 | 23 28 | 5 52 | 18 53 | 2 51 | 8 40 | 1 32 | 1 30 | 2 48 | 6 27 | 0 48 | 1 40 | 1 45 | 0 9 | 14 47 | 21 4 | 21 20 | 22 54 | 12 8 | 6 15 |
| F 30 | 6 12 | 10 34 | 5 2 | 14 43 | 2 3 | 23 35 | 5 55 | 18 49 | 2 48 | 8 38 | 1 32 | 1 28 | 2 48 | 6 27 | 0 48 | 1 40 | 1 45 | 0 9 | 14 47 | 21 3 | 21 19 | 22 56 | 12 7 | 6 15 |
| S 31 | 6n35 | 5s 6 | 4s41 | 15n22 | 2n11 | 23n41 | 5n57 | 18n44 | 2n46 | 8s35 | 1n32 | 1s27 | 2n48 | 6n28 | 0n48 | 1s39 | 1n45 | 0n10 | 14s46 | 21n 1 | 21n19 | 22n58 | 12s 6 | 6n16 |

Julian Day Number = 2133119.5, Delta T = 16m17s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'08, Lahiri = 11°42'08 Julian Calendar 1 March 1128 == Greg. Calendar 8 March 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## APRIL 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 3 10 | 17♈38'35 | 10♈42 | 6♉39 | 20♉42 | 16♌11 | 25°R39 | 10°R 0 | 15°R30 | 8°R 9 | 7♉46 | 3°R43 | 5♊23 | 12♊17 | 8♒49 | S 1 |
| M 2 | 13 7 7 | 18°37'04 | 23°13 | 8° 2 | 20°52 | 16°19 | 25♎31 | 9♎55 | 15♏28 | 8♎ 7 | 7°48 | 3♊36 | 5°20 | 12°23 | 8°51 | M 2 |
| T 3 | 13 11 3 | 19°35'32 | 5♉32 | 9°21 | 20°59 | 16°28 | 25°24 | 9°51 | 15°26 | 8° 6 | 7°49 | 3°31 | 5°17 | 12°30 | 8°54 | T 3 |
| W 4 | 13 15 0 | 20°33'57 | 17°38 | 10°34 | 21° 4 | 16°38 | 25°16 | 9°46 | 15°24 | 8° 4 | 7°50 | 3°27 | 5°13 | 12°37 | 8°56 | W 4 |
| T 5 | 13 18 56 | 21°32'20 | 29°35 | 11°43 | 21° 7 | 16°48 | 25° 9 | 9°42 | 15°22 | 8° 3 | 7°52 | 3°D26 | 5°10 | 12°43 | 8°58 | T 5 |
| F 6 | 13 22 53 | 22°30'42 | 11♊25 | 12°46 | 21°R 7 | 16°58 | 25° 1 | 9°37 | 15°20 | 8° 1 | 7°53 | 3°26 | 5° 7 | 12°50 | 9° 0 | F 6 |
| S 7 | 13 26 50 | 23°29'01 | 23°12 | 13°45 | 21° 5 | 17°10 | 24°53 | 9°33 | 15°18 | 7°59 | 7°54 | 3°27 | 5° 4 | 12°57 | 9° 2 | S 7 |
| S 8 | 13 30 46 | 24°27'19 | 5♋ 1 | 14°38 | 21° 1 | 17°21 | 24°46 | 9°29 | 15°16 | 7°58 | 7°56 | 3°29 | 5° 1 | 13° 3 | 9° 4 | S 8 |
| M 9 | 13 34 43 | 25°25'34 | 16°56 | 15°26 | 20°54 | 17°34 | 24°38 | 9°24 | 15°14 | 7°56 | 7°57 | 3°30 | 4°58 | 13°10 | 9° 6 | M 9 |
| T 10 | 13 38 39 | 26°23'47 | 29° 3 | 16° 9 | 20°45 | 17°46 | 24°30 | 9°20 | 15°13 | 7°55 | 7°58 | 3°R31 | 4°54 | 13°17 | 9° 8 | T 10 |
| W11 | 13 42 36 | 27°21'58 | 11♌26 | 16°46 | 20°33 | 18° 0 | 24°23 | 9°16 | 15°11 | 7°53 | 8° 0 | 3°30 | 4°51 | 13°23 | 9°10 | W11 |
| T 12 | 13 46 32 | 28°20'08 | 24°10 | 17°18 | 20°19 | 18°14 | 24°15 | 9°12 | 15° 9 | 7°52 | 8° 1 | 3°27 | 4°48 | 13°30 | 9°11 | T 12 |
| F 13 | 13 50 29 | 29°18'15 | 7♍18 | 17°44 | 20° 2 | 18°28 | 24° 7 | 9° 7 | 15° 8 | 7°50 | 8° 2 | 3°23 | 4°45 | 13°36 | 9°13 | F 13 |
| S 14 | 13 54 25 | 0♉16'20 | 20°52 | 18° 6 | 19°43 | 18°43 | 24° 0 | 9° 3 | 15° 6 | 7°49 | 8° 4 | 3°19 | 4°42 | 13°43 | 9°15 | S 14 |
| S 15 | 13 58 22 | 1°14'23 | 4♎52 | 18°21 | 19°22 | 18°58 | 23°52 | 8°59 | 15° 4 | 7°47 | 8° 5 | 3°14 | 4°39 | 13°50 | 9°16 | S 15 |
| M16 | 14 2 19 | 2°12'24 | 19°15 | 18°32 | 18°58 | 19°14 | 23°45 | 8°55 | 15° 3 | 7°46 | 8° 6 | 3° 9 | 4°35 | 13°56 | 9°18 | M16 |
| T 17 | 14 6 15 | 3°10'23 | 3♏56 | 18°R37 | 18°32 | 19°31 | 23°37 | 8°51 | 15° 1 | 7°44 | 8° 8 | 3° 6 | 4°32 | 14° 3 | 9°19 | T 17 |
| W18 | 14 10 12 | 4° 8'21 | 18°47 | 18°37 | 18° 5 | 19°47 | 23°30 | 8°47 | 15° 0 | 7°43 | 8° 9 | 3° 4 | 4°29 | 14°10 | 9°20 | W18 |
| T 19 | 14 14 8 | 5° 6'18 | 3♐42 | 18°32 | 17°35 | 20° 4 | 23°22 | 8°43 | 14°59 | 7°41 | 8°10 | 3°D 3 | 4°26 | 14°16 | 9°22 | T 19 |
| F 20 | 14 18 5 | 6° 4'13 | 18°31 | 18°22 | 17° 4 | 20°22 | 23°15 | 8°40 | 14°57 | 7°40 | 8°12 | 3° 4 | 4°23 | 14°23 | 9°23 | F 20 |
| S 21 | 14 22 1 | 7° 2'07 | 3♑ 9 | 18° 7 | 16°31 | 20°40 | 23° 8 | 8°36 | 14°56 | 7°39 | 8°13 | 3° 5 | 4°19 | 14°30 | 9°24 | S 21 |
| S 22 | 14 25 58 | 7°59'59 | 17°32 | 17°49 | 15°56 | 20°59 | 23° 1 | 8°32 | 14°55 | 7°37 | 8°14 | 3° 6 | 4°16 | 14°36 | 9°25 | S 22 |
| M23 | 14 29 54 | 8°57'50 | 1♒36 | 17°27 | 15°21 | 21°17 | 22°53 | 8°28 | 14°54 | 7°36 | 8°16 | 3° 7 | 4°13 | 14°43 | 9°26 | M23 |
| T 24 | 14 33 51 | 9°55'40 | 15°22 | 17° 1 | 14°45 | 21°37 | 22°46 | 8°25 | 14°52 | 7°35 | 8°17 | 3°R 7 | 4°10 | 14°50 | 9°27 | T 24 |
| W25 | 14 37 48 | 10°53'29 | 28°49 | 16°32 | 14° 8 | 21°56 | 22°39 | 8°21 | 14°51 | 7°33 | 8°18 | 3° 6 | 4° 7 | 14°56 | 9°28 | W25 |
| T 26 | 14 41 44 | 11°51'16 | 11♓58 | 16° 1 | 13°30 | 22°16 | 22°32 | 8°18 | 14°50 | 7°32 | 8°20 | 3° 4 | 4° 4 | 15° 3 | 9°29 | T 26 |
| F 27 | 14 45 41 | 12°49'02 | 24°51 | 15°28 | 12°52 | 22°37 | 22°26 | 8°14 | 14°49 | 7°31 | 8°21 | 3° 2 | 4° 0 | 15°10 | 9°29 | F 27 |
| S 28 | 14 49 37 | 13°46'47 | 7♈30 | 14°54 | 12°15 | 22°58 | 22°19 | 8°11 | 14°48 | 7°29 | 8°22 | 2°59 | 3°57 | 15°16 | 9°30 | S 28 |
| S 29 | 14 53 34 | 14°44'31 | 19°56 | 14°19 | 11°37 | 23°19 | 22°12 | 8° 8 | 14°47 | 7°28 | 8°24 | 2°56 | 3°54 | 15°23 | 9°31 | S 29 |
| M30 | 14 57 30 | 15♉42'13 | 2♉10 | 13♉44 | 11♉ 0 | 23♌40 | 22♎ 6 | 8♎ 5 | 14♏46 | 7♎27 | 8♉25 | 2♊54 | 3♊51 | 15♊29 | 9♒31 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n57 | 0n29 | 4s 6 | 15n59 | 2n19 | 23n46 | 5n58 | 18n40 | 2n44 | 8s32 | 1n32 | 1s25 | 2n47 | 6n29 | 0n48 | 1s38 | 1n45 | 0n10 | 14s46 | 21n 0 | 21n18 | 22n59 | 12s 5 | 6n16 |
| M 2 | 7 20 | 5 58 | 3 20 | 16 33 | 2 26 | 23 50 | 6 0 | 18 35 | 2 41 | 8 29 | 1 32 | 1 23 | 2 47 | 6 30 | 0 48 | 1 38 | 1 45 | 0 11 | 14 46 | 20 58 | 21 18 | 23 1 | 12 4 | 6 17 |
| T 3 | 7 42 | 11 9 | 2 25 | 17 5 | 2 32 | 23 53 | 6 1 | 18 30 | 2 39 | 8 27 | 1 32 | 1 21 | 2 47 | 6 30 | 0 48 | 1 37 | 1 45 | 0 11 | 14 46 | 20 57 | 21 17 | 23 3 | 12 3 | 6 17 |
| W 4 | 8 4 | 15 49 | 1 25 | 17 33 | 2 37 | 23 55 | 6 2 | 18 25 | 2 37 | 8 24 | 1 32 | 1 20 | 2 47 | 6 31 | 0 48 | 1 36 | 1 45 | 0 12 | 14 46 | 20 57 | 21 16 | 23 4 | 12 2 | 6 17 |
| T 5 | 8 26 | 19 49 | 0 21 | 17 59 | 2 42 | 23 56 | 6 2 | 18 20 | 2 35 | 8 21 | 1 32 | 1 18 | 2 47 | 6 32 | 0 48 | 1 36 | 1 45 | 0 12 | 14 46 | 20 56 | 21 16 | 23 6 | 12 1 | 6 18 |
| F 6 | 8 48 | 22 58 | 0n43 | 18 22 | 2 45 | 23 56 | 6 2 | 18 14 | 2 32 | 8 18 | 1 32 | 1 16 | 2 47 | 6 33 | 0 48 | 1 35 | 1 45 | 0 13 | 14 46 | 20 57 | 21 15 | 23 8 | 12 1 | 6 18 |
| S 7 | 9 10 | 25 8 | 1 46 | 18 42 | 2 48 | 23 55 | 6 1 | 18 9 | 2 30 | 8 16 | 1 32 | 1 14 | 2 47 | 6 33 | 0 48 | 1 35 | 1 45 | 0 13 | 14 46 | 20 57 | 21 15 | 23 10 | 12 0 | 6 18 |
| S 8 | 9 31 | 26 11 | 2 44 | 19 0 | 2 49 | 23 53 | 6 0 | 18 3 | 2 28 | 8 13 | 1 32 | 1 13 | 2 47 | 6 34 | 0 48 | 1 34 | 1 45 | 0 14 | 14 45 | 20 57 | 21 14 | 23 11 | 11 59 | 6 19 |
| M 9 | 9 53 | 26 2 | 3 35 | 19 15 | 2 50 | 23 49 | 5 59 | 17 57 | 2 26 | 8 10 | 1 32 | 1 11 | 2 47 | 6 35 | 0 48 | 1 33 | 1 45 | 0 14 | 14 45 | 20 57 | 21 14 | 23 13 | 11 58 | 6 19 |
| T 10 | 10 14 | 24 39 | 4 18 | 19 27 | 2 49 | 23 45 | 5 56 | 17 51 | 2 23 | 8 7 | 1 32 | 1 10 | 2 47 | 6 35 | 0 48 | 1 33 | 1 45 | 0 15 | 14 45 | 20 57 | 21 13 | 23 15 | 11 57 | 6 20 |
| W11 | 10 35 | 22 4 | 4 49 | 19 36 | 2 47 | 23 39 | 5 54 | 17 45 | 2 21 | 8 5 | 1 32 | 1 8 | 2 47 | 6 36 | 0 48 | 1 32 | 1 45 | 0 15 | 14 45 | 20 57 | 21 12 | 23 16 | 11 56 | 6 20 |
| T 12 | 10 56 | 18 22 | 5 8 | 19 42 | 2 45 | 23 32 | 5 50 | 17 39 | 2 19 | 8 2 | 1 31 | 1 6 | 2 47 | 6 37 | 0 48 | 1 32 | 1 45 | 0 16 | 14 45 | 20 57 | 21 12 | 23 18 | 11 55 | 6 20 |
| F 13 | 11 17 | 13 41 | 5 11 | 19 46 | 2 41 | 23 23 | 5 46 | 17 32 | 2 17 | 7 59 | 1 31 | 1 5 | 2 47 | 6 37 | 0 48 | 1 31 | 1 45 | 0 16 | 14 45 | 20 56 | 21 11 | 23 20 | 11 55 | 6 21 |
| S 14 | 11 37 | 8 11 | 4 58 | 19 47 | 2 35 | 23 14 | 5 42 | 17 25 | 2 15 | 7 56 | 1 31 | 1 3 | 2 47 | 6 38 | 0 48 | 1 30 | 1 45 | 0 17 | 14 45 | 20 55 | 21 11 | 23 22 | 11 54 | 6 21 |
| S 15 | 11 58 | 2 7 | 4 26 | 19 45 | 2 29 | 23 3 | 5 37 | 17 19 | 2 13 | 7 54 | 1 31 | 1 2 | 2 47 | 6 38 | 0 48 | 1 30 | 1 45 | 0 17 | 14 45 | 20 54 | 21 10 | 23 23 | 11 53 | 6 22 |
| M16 | 12 18 | 4s13 | 3 37 | 19 41 | 2 21 | 22 50 | 5 31 | 17 12 | 2 11 | 7 51 | 1 31 | 1 0 | 2 46 | 6 39 | 0 48 | 1 29 | 1 45 | 0 18 | 14 45 | 20 53 | 21 9 | 23 25 | 11 52 | 6 22 |
| T 17 | 12 38 | 10 29 | 2 33 | 19 34 | 2 12 | 22 37 | 5 24 | 17 5 | 2 9 | 7 48 | 1 31 | 0 59 | 2 46 | 6 40 | 0 48 | 1 29 | 1 45 | 0 18 | 14 45 | 20 53 | 21 9 | 23 27 | 11 51 | 6 22 |
| W18 | 12 58 | 16 15 | 1 18 | 19 24 | 2 2 | 22 22 | 5 17 | 16 57 | 2 7 | 7 46 | 1 31 | 0 57 | 2 46 | 6 40 | 0 48 | 1 28 | 1 45 | 0 18 | 14 45 | 20 52 | 21 8 | 23 28 | 11 51 | 6 23 |
| T 19 | 13 17 | 21 3 | 0s 4 | 19 12 | 1 51 | 22 6 | 5 9 | 16 50 | 2 5 | 7 43 | 1 31 | 0 56 | 2 46 | 6 41 | 0 48 | 1 28 | 1 45 | 0 19 | 14 45 | 20 52 | 21 8 | 23 30 | 11 50 | 6 23 |
| F 20 | 13 36 | 24 27 | 1 24 | 18 58 | 1 39 | 21 49 | 5 1 | 16 42 | 2 3 | 7 40 | 1 31 | 0 55 | 2 46 | 6 41 | 0 48 | 1 27 | 1 45 | 0 19 | 14 45 | 20 52 | 21 7 | 23 31 | 11 49 | 6 24 |
| S 21 | 13 56 | 26 9 | 2 38 | 18 41 | 1 26 | 21 30 | 4 52 | 16 35 | 2 1 | 7 38 | 1 31 | 0 53 | 2 46 | 6 42 | 0 47 | 1 27 | 1 45 | 0 20 | 14 45 | 20 52 | 21 7 | 23 33 | 11 49 | 6 24 |
| S 22 | 14 15 | 26 3 | 3 41 | 18 22 | 1 12 | 21 11 | 4 42 | 16 27 | 1 59 | 7 35 | 1 30 | 0 52 | 2 46 | 6 42 | 0 47 | 1 26 | 1 45 | 0 20 | 14 45 | 20 53 | 21 6 | 23 35 | 11 48 | 6 25 |
| M23 | 14 33 | 24 16 | 4 29 | 18 2 | 0 57 | 20 50 | 4 32 | 16 19 | 1 57 | 7 33 | 1 30 | 0 51 | 2 46 | 6 42 | 0 47 | 1 26 | 1 45 | 0 21 | 14 45 | 20 53 | 21 5 | 23 36 | 11 47 | 6 25 |
| T 24 | 14 52 | 21 5 | 5 0 | 17 39 | 0 41 | 20 29 | 4 21 | 16 11 | 1 55 | 7 30 | 1 30 | 0 49 | 2 45 | 6 43 | 0 47 | 1 25 | 1 45 | 0 21 | 14 45 | 20 53 | 21 5 | 23 38 | 11 47 | 6 25 |
| W25 | 15 10 | 16 50 | 5 14 | 17 15 | 0 25 | 20 7 | 4 9 | 16 3 | 1 53 | 7 28 | 1 30 | 0 48 | 2 45 | 6 43 | 0 47 | 1 25 | 1 45 | 0 22 | 14 45 | 20 53 | 21 4 | 23 40 | 11 46 | 6 26 |
| T 26 | 15 28 | 11 54 | 5 11 | 16 50 | 0 8 | 19 44 | 3 57 | 15 55 | 1 52 | 7 25 | 1 30 | 0 47 | 2 45 | 6 44 | 0 47 | 1 24 | 1 45 | 0 22 | 14 45 | 20 52 | 21 4 | 23 41 | 11 45 | 6 26 |
| F 27 | 15 46 | 6 32 | 4 53 | 16 24 | 0s10 | 19 20 | 3 45 | 15 46 | 1 50 | 7 23 | 1 30 | 0 46 | 2 45 | 6 44 | 0 47 | 1 24 | 1 45 | 0 22 | 14 45 | 20 52 | 21 3 | 23 43 | 11 45 | 6 27 |
| S 28 | 16 3 | 0 59 | 4 20 | 15 57 | 0 27 | 18 56 | 3 32 | 15 38 | 1 48 | 7 21 | 1 30 | 0 44 | 2 45 | 6 44 | 0 47 | 1 23 | 1 45 | 0 23 | 14 45 | 20 51 | 21 2 | 23 44 | 11 44 | 6 27 |
| S 29 | 16 20 | 4n30 | 3 35 | 15 30 | 0 44 | 18 32 | 3 18 | 15 29 | 1 46 | 7 18 | 1 29 | 0 43 | 2 45 | 6 45 | 0 47 | 1 23 | 1 45 | 0 23 | 14 45 | 20 51 | 21 2 | 23 46 | 11 44 | 6 28 |
| M30 | 16n37 | 9n45 | 2s42 | 15n 3 | 1s 2 | 18n 7 | 3n 5 | 15n20 | 1n44 | 7s16 | 1n29 | 0s42 | 2n44 | 6n45 | 0n47 | 1s22 | 1n45 | 0n24 | 14s45 | 20n50 | 21n 1 | 23n48 | 11s43 | 6n28 |

Julian Day Number = 2133150.5, Delta T = 16m17s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'12, Lahiri = 11°42'13 Julian Calendar 1 Apr. 1128 == Greg. Calendar 8 Apr. 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## MAY 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 1 27 | 16♉39'54 | 14♉15 | 13°R10 | 10°R24 | 24♌ 2 | 21°R59 | 8°R 2 | 14°R46 | 7°R26 | 8♉27 | 2°R52 | 3♊48 | 15♊36 | 9♒32 | T 1 |
| W 2 | 15 5 23 | 17°37'34 | 26°12 | 12♉37 | 9♉48 | 24°24 | 21♎53 | 7♎59 | 14♍45 | 7♎25 | 8°28 | 2♊51 | 3°45 | 15°43 | 9°32 | W 2 |
| T 3 | 15 9 20 | 18°35'13 | 8♊ 3 | 12° 5 | 9°14 | 24°47 | 21°47 | 7°56 | 14°44 | 7°23 | 8°29 | 2°D51 | 3°41 | 15°49 | 9°33 | T 3 |
| F 4 | 15 13 17 | 19°32'50 | 19°51 | 11°36 | 8°42 | 25°10 | 21°41 | 7°53 | 14°44 | 7°22 | 8°31 | 2°52 | 3°38 | 15°56 | 9°33 | F 4 |
| S 5 | 15 17 13 | 20°30'26 | 1♋38 | 11°10 | 8°10 | 25°33 | 21°35 | 7°50 | 14°43 | 7°21 | 8°32 | 2°53 | 3°35 | 16° 3 | 9°33 | S 5 |
| S 6 | 15 21 10 | 21°28'01 | 13°28 | 10°46 | 7°41 | 25°56 | 21°29 | 7°47 | 14°42 | 7°20 | 8°33 | 2°54 | 3°32 | 16° 9 | 9°33 | S 6 |
| M 7 | 15 25 6 | 22°25'34 | 25°24 | 10°26 | 7°13 | 26°20 | 21°23 | 7°45 | 14°42 | 7°19 | 8°35 | 2°55 | 3°29 | 16°16 | 9°33 | M 7 |
| T 8 | 15 29 3 | 23°23'05 | 7♌31 | 10°10 | 6°47 | 26°44 | 21°18 | 7°42 | 14°41 | 7°18 | 8°36 | 2°56 | 3°25 | 16°23 | 9°R33 | T 8 |
| W 9 | 15 32 59 | 24°20'36 | 19°53 | 9°57 | 6°24 | 27° 9 | 21°12 | 7°40 | 14°41 | 7°17 | 8°37 | 2°R56 | 3°22 | 16°29 | 9°33 | W 9 |
| T 10 | 15 36 56 | 25°18'05 | 2♍34 | 9°49 | 6° 2 | 27°33 | 21° 7 | 7°37 | 14°41 | 7°16 | 8°38 | 2°56 | 3°19 | 16°36 | 9°33 | T 10 |
| F 11 | 15 40 52 | 26°15'32 | 15°38 | 9°D46 | 5°43 | 27°58 | 21° 2 | 7°35 | 14°40 | 7°15 | 8°40 | 2°56 | 3°16 | 16°43 | 9°33 | F 11 |
| S 12 | 15 44 49 | 27°12'58 | 29° 7 | 9°46 | 5°26 | 28°24 | 20°57 | 7°33 | 14°40 | 7°14 | 8°41 | 2°55 | 3°13 | 16°49 | 9°33 | S 12 |
| S 13 | 15 48 46 | 28°10'23 | 13♎ 4 | 9°51 | 5°12 | 28°49 | 20°52 | 7°31 | 14°40 | 7°13 | 8°42 | 2°54 | 3°10 | 16°56 | 9°32 | S 13 |
| M14 | 15 52 42 | 29° 7'47 | 27°26 | 10° 1 | 5° 0 | 29°15 | 20°47 | 7°29 | 14°40 | 7°12 | 8°44 | 2°54 | 3° 6 | 17° 3 | 9°32 | M14 |
| T 15 | 15 56 39 | 0♊ 5'09 | 12♏11 | 10°15 | 4°50 | 29°41 | 20°42 | 7°27 | 14°40 | 7°12 | 8°45 | 2°54 | 3° 3 | 17° 9 | 9°32 | T 15 |
| W16 | 16 0 35 | 1° 2'31 | 27°12 | 10°34 | 4°43 | 0♍ 7 | 20°38 | 7°25 | 14°D40 | 7°11 | 8°46 | 2°D54 | 3° 0 | 17°16 | 9°31 | W16 |
| T 17 | 16 4 32 | 1°59'52 | 12♐21 | 10°57 | 4°38 | 0°34 | 20°34 | 7°23 | 14°40 | 7°10 | 8°47 | 2°54 | 2°57 | 17°23 | 9°31 | T 17 |
| F 18 | 16 8 28 | 2°57'12 | 27°29 | 11°24 | 4°35 | 1° 1 | 20°30 | 7°22 | 14°40 | 7° 9 | 8°49 | 2°R54 | 2°54 | 17°29 | 9°30 | F 18 |
| S 19 | 16 12 25 | 3°54'31 | 12♑26 | 11°55 | 4°D35 | 1°28 | 20°26 | 7°20 | 14°40 | 7° 8 | 8°50 | 2°54 | 2°51 | 17°36 | 9°29 | S 19 |
| S 20 | 16 16 21 | 4°51'50 | 27° 6 | 12°31 | 4°38 | 1°55 | 20°22 | 7°19 | 14°40 | 7° 8 | 8°51 | 2°53 | 2°47 | 17°42 | 9°29 | S 20 |
| M21 | 16 20 18 | 5°49'08 | 11♒24 | 13°11 | 4°42 | 2°23 | 20°18 | 7°17 | 14°40 | 7° 7 | 8°52 | 2°53 | 2°44 | 17°49 | 9°28 | M21 |
| T 22 | 16 24 15 | 6°46'25 | 25°17 | 13°55 | 4°49 | 2°51 | 20°15 | 7°16 | 14°41 | 7° 6 | 8°54 | 2°53 | 2°41 | 17°56 | 9°27 | T 22 |
| W23 | 16 28 11 | 7°43'42 | 8♓46 | 14°43 | 4°58 | 3°19 | 20°12 | 7°15 | 14°41 | 7° 6 | 8°55 | 2°D53 | 2°38 | 18° 2 | 9°26 | W23 |
| T 24 | 16 32 8 | 8°40'59 | 21°51 | 15°34 | 5° 9 | 3°47 | 20° 8 | 7°14 | 14°41 | 7° 5 | 8°56 | 2°53 | 2°35 | 18° 9 | 9°25 | T 24 |
| F 25 | 16 36 4 | 9°38'15 | 4♈35 | 16°30 | 5°22 | 4°15 | 20° 6 | 7°13 | 14°42 | 7° 5 | 8°57 | 2°54 | 2°31 | 18°16 | 9°24 | F 25 |
| S 26 | 16 40 1 | 10°35'31 | 17° 2 | 17°29 | 5°37 | 4°44 | 20° 3 | 7°12 | 14°42 | 7° 4 | 8°59 | 2°54 | 2°28 | 18°22 | 9°23 | S 26 |
| S 27 | 16 43 57 | 11°32'47 | 29°15 | 18°32 | 5°54 | 5°13 | 20° 0 | 7°11 | 14°43 | 7° 4 | 9° 0 | 2°55 | 2°25 | 18°29 | 9°22 | S 27 |
| M28 | 16 47 54 | 12°30'02 | 11♉18 | 19°38 | 6°13 | 5°42 | 19°58 | 7°11 | 14°43 | 7° 3 | 9° 1 | 2°56 | 2°22 | 18°36 | 9°20 | M28 |
| T 29 | 16 51 50 | 13°27'17 | 23°13 | 20°48 | 6°34 | 6°11 | 19°55 | 7°10 | 14°44 | 7° 3 | 9° 2 | 2°56 | 2°19 | 18°42 | 9°19 | T 29 |
| W30 | 16 55 47 | 14°24'31 | 5♊ 3 | 22° 1 | 6°56 | 6°41 | 19°53 | 7°10 | 14°45 | 7° 2 | 9° 3 | 2°R57 | 2°16 | 18°49 | 9°18 | W30 |
| T 31 | 16 59 44 | 15♊21'45 | 16♊50 | 23♉18 | 7♉20 | 7♍10 | 19♎51 | 7♎ 9 | 14♍46 | 7♎ 2 | 9♉ 4 | 2♊56 | 2♊12 | 18♊56 | 9♒16 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n54 | 14n35 | 1s41 | 14n37 | 1s19 | 17n43 | 2n51 | 15n11 | 1n43 | 7s14 | 1n29 | 0s41 | 2n44 | 6n45 | 0n47 | 1s22 | 1n44 | 0n24 | 14s45 | 20n50 | 21n 1 | 23n49 | 11s42 | 6n28 |
| W 2 | 17 10 | 18 48 | 0 37 | 14 11 | 1 35 | 17 18 | 2 37 | 15 2 | 1 41 | 7 12 | 1 29 | 0 40 | 2 44 | 6 45 | 0 47 | 1 21 | 1 44 | 0 24 | 14 45 | 20 50 | 21 0 | 23 51 | 11 42 | 6 29 |
| T 3 | 17 26 | 22 14 | 0n29 | 13 46 | 1 51 | 16 54 | 2 23 | 14 53 | 1 39 | 7 9 | 1 29 | 0 39 | 2 44 | 6 46 | 0 47 | 1 21 | 1 44 | 0 25 | 14 45 | 20 50 | 20 59 | 23 52 | 11 41 | 6 29 |
| F 4 | 17 42 | 24 42 | 1 33 | 13 23 | 2 6 | 16 29 | 2 8 | 14 43 | 1 37 | 7 7 | 1 28 | 0 38 | 2 44 | 6 46 | 0 47 | 1 21 | 1 44 | 0 25 | 14 45 | 20 50 | 20 59 | 23 54 | 11 41 | 6 30 |
| S 5 | 17 58 | 26 6 | 2 33 | 13 1 | 2 21 | 16 6 | 1 54 | 14 34 | 1 36 | 7 5 | 1 28 | 0 37 | 2 43 | 6 46 | 0 47 | 1 20 | 1 44 | 0 26 | 14 45 | 20 50 | 20 58 | 23 56 | 11 40 | 6 30 |
| S 6 | 18 13 | 26 18 | 3 27 | 12 41 | 2 34 | 15 43 | 1 40 | 14 24 | 1 34 | 7 3 | 1 28 | 0 36 | 2 43 | 6 46 | 0 47 | 1 20 | 1 44 | 0 26 | 14 45 | 20 50 | 20 58 | 23 57 | 11 40 | 6 31 |
| M 7 | 18 28 | 25 17 | 4 12 | 12 23 | 2 47 | 15 20 | 1 26 | 14 15 | 1 32 | 7 1 | 1 28 | 0 36 | 2 43 | 6 46 | 0 47 | 1 19 | 1 44 | 0 26 | 14 45 | 20 50 | 20 57 | 23 59 | 11 40 | 6 31 |
| T 8 | 18 42 | 23 6 | 4 47 | 12 7 | 2 58 | 14 58 | 1 12 | 14 5 | 1 31 | 6 59 | 1 28 | 0 35 | 2 43 | 6 47 | 0 47 | 1 19 | 1 44 | 0 27 | 14 45 | 20 51 | 20 56 | 24 0 | 11 39 | 6 31 |
| W 9 | 18 57 | 19 48 | 5 9 | 11 54 | 3 8 | 14 38 | 0 58 | 13 55 | 1 29 | 6 58 | 1 27 | 0 34 | 2 43 | 6 47 | 0 47 | 1 19 | 1 44 | 0 27 | 14 45 | 20 51 | 20 56 | 24 2 | 11 39 | 6 32 |
| T 10 | 19 11 | 15 32 | 5 17 | 11 42 | 3 17 | 14 18 | 0 44 | 13 45 | 1 28 | 6 56 | 1 27 | 0 33 | 2 42 | 6 47 | 0 47 | 1 18 | 1 44 | 0 27 | 14 45 | 20 51 | 20 55 | 24 3 | 11 38 | 6 32 |
| F 11 | 19 24 | 10 27 | 5 10 | 11 33 | 3 25 | 13 58 | 0 31 | 13 35 | 1 26 | 6 54 | 1 27 | 0 32 | 2 42 | 6 47 | 0 47 | 1 18 | 1 44 | 0 28 | 14 45 | 20 51 | 20 55 | 24 5 | 11 38 | 6 33 |
| S 12 | 19 38 | 4 42 | 4 45 | 11 27 | 3 32 | 13 40 | 0 18 | 13 24 | 1 24 | 6 52 | 1 27 | 0 32 | 2 42 | 6 47 | 0 47 | 1 18 | 1 44 | 0 28 | 14 45 | 20 50 | 20 54 | 24 6 | 11 38 | 6 33 |
| S 13 | 19 51 | 1s27 | 4 3 | 11 23 | 3 38 | 13 24 | 0 5 | 13 14 | 1 23 | 6 51 | 1 27 | 0 31 | 2 42 | 6 47 | 0 47 | 1 17 | 1 44 | 0 28 | 14 45 | 20 50 | 20 53 | 24 8 | 11 37 | 6 33 |
| M14 | 20 4 | 7 44 | 3 5 | 11 22 | 3 43 | 13 8 | 0s 8 | 13 4 | 1 21 | 6 49 | 1 26 | 0 31 | 2 42 | 6 47 | 0 47 | 1 17 | 1 44 | 0 29 | 14 45 | 20 50 | 20 53 | 24 9 | 11 37 | 6 34 |
| T 15 | 20 16 | 13 47 | 1 53 | 11 23 | 3 46 | 12 53 | 0 20 | 12 53 | 1 20 | 6 48 | 1 26 | 0 30 | 2 41 | 6 47 | 0 47 | 1 17 | 1 44 | 0 29 | 14 45 | 20 50 | 20 52 | 24 11 | 11 37 | 6 34 |
| W16 | 20 28 | 19 7 | 0 32 | 11 26 | 3 49 | 12 40 | 0 31 | 12 42 | 1 18 | 6 46 | 1 26 | 0 30 | 2 41 | 6 47 | 0 46 | 1 16 | 1 44 | 0 29 | 14 45 | 20 50 | 20 51 | 24 12 | 11 36 | 6 35 |
| T 17 | 20 40 | 23 15 | 0s52 | 11 32 | 3 50 | 12 27 | 0 43 | 12 31 | 1 17 | 6 45 | 1 26 | 0 29 | 2 41 | 6 47 | 0 46 | 1 16 | 1 44 | 0 30 | 14 45 | 20 50 | 20 51 | 24 14 | 11 36 | 6 35 |
| F 18 | 20 51 | 25 44 | 2 12 | 11 40 | 3 51 | 12 16 | 0 54 | 12 20 | 1 15 | 6 44 | 1 25 | 0 29 | 2 41 | 6 47 | 0 46 | 1 16 | 1 44 | 0 30 | 14 46 | 20 50 | 20 50 | 24 15 | 11 36 | 6 35 |
| S 19 | 21 2 | 26 20 | 3 23 | 11 50 | 3 50 | 12 6 | 1 4 | 12 9 | 1 14 | 6 42 | 1 25 | 0 28 | 2 40 | 6 47 | 0 46 | 1 16 | 1 44 | 0 30 | 14 46 | 20 50 | 20 50 | 24 17 | 11 36 | 6 36 |
| S 20 | 21 12 | 25 3 | 4 18 | 12 2 | 3 49 | 11 57 | 1 15 | 11 58 | 1 12 | 6 41 | 1 25 | 0 28 | 2 40 | 6 47 | 0 46 | 1 15 | 1 44 | 0 30 | 14 46 | 20 50 | 20 49 | 24 18 | 11 36 | 6 36 |
| M21 | 21 23 | 22 10 | 4 56 | 12 16 | 3 47 | 11 50 | 1 24 | 11 47 | 1 11 | 6 40 | 1 25 | 0 28 | 2 40 | 6 46 | 0 46 | 1 15 | 1 44 | 0 31 | 14 46 | 20 50 | 20 48 | 24 20 | 11 35 | 6 37 |
| T 22 | 21 33 | 18 5 | 5 15 | 12 32 | 3 43 | 11 43 | 1 34 | 11 35 | 1 10 | 6 39 | 1 24 | 0 27 | 2 40 | 6 46 | 0 46 | 1 15 | 1 44 | 0 31 | 14 46 | 20 50 | 20 48 | 24 21 | 11 35 | 6 37 |
| W23 | 21 42 | 13 12 | 5 16 | 12 50 | 3 39 | 11 37 | 1 43 | 11 24 | 1 8 | 6 38 | 1 24 | 0 27 | 2 40 | 6 46 | 0 46 | 1 15 | 1 44 | 0 31 | 14 46 | 20 50 | 20 47 | 24 23 | 11 35 | 6 37 |
| T 24 | 21 51 | 7 51 | 5 1 | 13 9 | 3 35 | 11 33 | 1 51 | 11 12 | 1 7 | 6 37 | 1 24 | 0 27 | 2 39 | 6 46 | 0 46 | 1 14 | 1 44 | 0 31 | 14 46 | 20 50 | 20 47 | 24 24 | 11 35 | 6 38 |
| F 25 | 22 0 | 2 18 | 4 30 | 13 30 | 3 29 | 11 30 | 2 0 | 11 1 | 1 5 | 6 36 | 1 24 | 0 27 | 2 39 | 6 46 | 0 46 | 1 14 | 1 44 | 0 32 | 14 46 | 20 50 | 20 46 | 24 26 | 11 35 | 6 38 |
| S 26 | 22 8 | 3n13 | 3 48 | 13 53 | 3 23 | 11 27 | 2 7 | 10 49 | 1 4 | 6 35 | 1 23 | 0 27 | 2 39 | 6 45 | 0 46 | 1 14 | 1 43 | 0 32 | 14 46 | 20 50 | 20 45 | 24 27 | 11 35 | 6 39 |
| S 27 | 22 16 | 8 31 | 2 56 | 14 17 | 3 16 | 11 26 | 2 15 | 10 37 | 1 3 | 6 35 | 1 23 | 0 26 | 2 39 | 6 45 | 0 46 | 1 14 | 1 43 | 0 32 | 14 47 | 20 50 | 20 45 | 24 28 | 11 35 | 6 39 |
| M28 | 22 24 | 13 26 | 1 57 | 14 42 | 3 9 | 11 26 | 2 22 | 10 25 | 1 1 | 6 34 | 1 23 | 0 26 | 2 38 | 6 45 | 0 46 | 1 14 | 1 43 | 0 32 | 14 47 | 20 51 | 20 44 | 24 30 | 11 35 | 6 39 |
| T 29 | 22 31 | 17 48 | 0 54 | 15 8 | 3 1 | 11 26 | 2 28 | 10 13 | 1 0 | 6 33 | 1 22 | 0 26 | 2 38 | 6 45 | 0 46 | 1 14 | 1 43 | 0 33 | 14 47 | 20 51 | 20 43 | 24 31 | 11 35 | 6 40 |
| W30 | 22 38 | 21 26 | 0n12 | 15 35 | 2 52 | 11 27 | 2 35 | 10 1 | 0 59 | 6 33 | 1 22 | 0 26 | 2 38 | 6 44 | 0 46 | 1 14 | 1 43 | 0 33 | 14 47 | 20 51 | 20 43 | 24 33 | 11 35 | 6 40 |
| T 31 | 22n45 | 24n10 | 1n16 | 16n 3 | 2s43 | 11n30 | 2s41 | 9n48 | 0n57 | 6s32 | 1n22 | 0s27 | 2n38 | 6n44 | 0n46 | 1s13 | 1n43 | 0n33 | 14s47 | 20n51 | 20n42 | 24n34 | 11s35 | 6n40 |

Julian Day Number = 2133180.5, Delta T = 16m17s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'16, Lahiri = 11°42'17 Julian Calendar 1 May 1128 == Greg. Calendar 8 May 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## JUNE 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 3 40 | 16♊18'59 | 28♊38 | 24♉38 | 7♉46 | 7♍40 | 19°R50 | 7°R 9 | 14♍46 | 7°R 1 | 9♉ 5 | 2°R55 | 2♊ 9 | 19♊ 2 | 9°R15 | F 1 |
| S 2 | 17 7 37 | 17°16'12 | 10♋27 | 26° 1 | 8°14 | 8°10 | 19♎48 | 7♎ 9 | 14°47 | 7♎ 1 | 9° 7 | 2♊53 | 2° 6 | 19° 9 | 9♒13 | S 2 |
| S 3 | 17 11 33 | 18°13'25 | 22°21 | 27°28 | 8°42 | 8°41 | 19°47 | 7°D 9 | 14°48 | 7° 1 | 9° 8 | 2°51 | 2° 3 | 19°16 | 9°12 | S 3 |
| M 4 | 17 15 30 | 19°10'37 | 4♌23 | 28°58 | 9°13 | 9°11 | 19°46 | 7° 9 | 14°49 | 7° 1 | 9° 9 | 2°49 | 2° 0 | 19°22 | 9°10 | M 4 |
| T 5 | 17 19 26 | 20° 7'49 | 16°34 | 0♊31 | 9°44 | 9°42 | 19°45 | 7° 9 | 14°50 | 7° 0 | 9°10 | 2°47 | 1°57 | 19°29 | 9° 8 | T 5 |
| W 6 | 17 23 23 | 21° 5'00 | 28°58 | 2° 8 | 10°17 | 10°13 | 19°44 | 7° 9 | 14°51 | 7° 0 | 9°11 | 2°45 | 1°53 | 19°36 | 9° 6 | W 6 |
| T 7 | 17 27 19 | 22° 2'11 | 11♍38 | 3°47 | 10°52 | 10°44 | 19°43 | 7° 9 | 14°52 | 7° 0 | 9°12 | 2°44 | 1°50 | 19°42 | 9° 5 | T 7 |
| F 8 | 17 31 16 | 22°59'21 | 24°38 | 5°30 | 11°27 | 11°15 | 19°43 | 7°10 | 14°54 | 7° 0 | 9°13 | 2°D43 | 1°47 | 19°49 | 9° 3 | F 8 |
| S 9 | 17 35 13 | 23°56'31 | 8♎ 0 | 7°15 | 12° 4 | 11°46 | 19°43 | 7°10 | 14°55 | 7° 0 | 9°14 | 2°44 | 1°44 | 19°55 | 9° 1 | S 9 |
| S 10 | 17 39 9 | 24°53'40 | 21°47 | 9° 4 | 12°42 | 12°18 | 19°D42 | 7°11 | 14°56 | 7° 0 | 9°15 | 2°45 | 1°41 | 20° 2 | 8°59 | S 10 |
| M11 | 17 43 6 | 25°50'49 | 6♏ 0 | 10°55 | 13°21 | 12°50 | 19°43 | 7°12 | 14°57 | 7° 0 | 9°16 | 2°46 | 1°37 | 20° 9 | 8°57 | M11 |
| T 12 | 17 47 2 | 26°47'57 | 20°36 | 12°49 | 14° 1 | 13°22 | 19°43 | 7°12 | 14°59 | 7°D 0 | 9°17 | 2°47 | 1°34 | 20°15 | 8°55 | T 12 |
| W13 | 17 50 59 | 27°45'06 | 5♐32 | 14°46 | 14°42 | 13°54 | 19°43 | 7°13 | 15° 0 | 7° 0 | 9°18 | 2°R48 | 1°31 | 20°22 | 8°52 | W13 |
| T 14 | 17 54 55 | 28°42'14 | 20°40 | 16°45 | 15°24 | 14°26 | 19°44 | 7°14 | 15° 2 | 7° 0 | 9°19 | 2°47 | 1°28 | 20°29 | 8°50 | T 14 |
| F 15 | 17 58 52 | 29°39'23 | 5♑53 | 18°47 | 16° 8 | 14°58 | 19°45 | 7°15 | 15° 3 | 7° 0 | 9°20 | 2°45 | 1°25 | 20°35 | 8°48 | F 15 |
| S 16 | 18 2 49 | 0♋36'31 | 21° 0 | 20°50 | 16°52 | 15°31 | 19°46 | 7°17 | 15° 5 | 7° 0 | 9°21 | 2°42 | 1°22 | 20°42 | 8°46 | S 16 |
| S 17 | 18 6 45 | 1°33'40 | 5♒52 | 22°55 | 17°36 | 16° 3 | 19°47 | 7°18 | 15° 6 | 7° 0 | 9°22 | 2°38 | 1°18 | 20°49 | 8°43 | S 17 |
| M18 | 18 10 42 | 2°30'49 | 20°22 | 25° 1 | 18°22 | 16°36 | 19°48 | 7°19 | 15° 8 | 7° 0 | 9°23 | 2°34 | 1°15 | 20°55 | 8°41 | M18 |
| T 19 | 18 14 38 | 3°27'58 | 4♓25 | 27° 9 | 19° 9 | 17° 9 | 19°50 | 7°21 | 15°10 | 7° 1 | 9°23 | 2°30 | 1°12 | 21° 2 | 8°39 | T 19 |
| W20 | 18 18 35 | 4°25'08 | 17°59 | 29°17 | 19°56 | 17°42 | 19°51 | 7°22 | 15°12 | 7° 1 | 9°24 | 2°28 | 1° 9 | 21° 9 | 8°36 | W20 |
| T 21 | 18 22 31 | 5°22'18 | 1♈ 7 | 1♋27 | 20°44 | 18°16 | 19°53 | 7°24 | 15°13 | 7° 1 | 9°25 | 2°D27 | 1° 6 | 21°15 | 8°34 | T 21 |
| F 22 | 18 26 28 | 6°19'29 | 13°50 | 3°36 | 21°33 | 18°49 | 19°55 | 7°26 | 15°15 | 7° 1 | 9°26 | 2°27 | 1° 2 | 21°22 | 8°31 | F 22 |
| S 23 | 18 30 24 | 7°16'40 | 26°13 | 5°45 | 22°23 | 19°23 | 19°58 | 7°28 | 15°17 | 7° 2 | 9°27 | 2°28 | 0°59 | 21°29 | 8°29 | S 23 |
| S 24 | 18 34 21 | 8°13'52 | 8♉20 | 7°54 | 23°13 | 19°56 | 20° 0 | 7°30 | 15°19 | 7° 2 | 9°28 | 2°30 | 0°56 | 21°35 | 8°26 | S 24 |
| M25 | 18 38 18 | 9°11'04 | 20°16 | 10° 3 | 24° 4 | 20°30 | 20° 3 | 7°32 | 15°21 | 7° 3 | 9°28 | 2°31 | 0°53 | 21°42 | 8°23 | M25 |
| T 26 | 18 42 14 | 10° 8'18 | 2♊ 6 | 12°11 | 24°56 | 21° 4 | 20° 5 | 7°34 | 15°23 | 7° 3 | 9°29 | 2°R32 | 0°50 | 21°49 | 8°21 | T 26 |
| W27 | 18 46 11 | 11° 5'31 | 13°53 | 14°18 | 25°48 | 21°38 | 20° 8 | 7°36 | 15°25 | 7° 3 | 9°30 | 2°31 | 0°47 | 21°55 | 8°18 | W27 |
| T 28 | 18 50 7 | 12° 2'46 | 25°40 | 16°23 | 26°41 | 22°13 | 20°11 | 7°38 | 15°27 | 7° 4 | 9°31 | 2°29 | 0°43 | 22° 2 | 8°15 | T 28 |
| F 29 | 18 54 4 | 13° 0'01 | 7♋30 | 18°28 | 27°34 | 22°47 | 20°14 | 7°41 | 15°30 | 7° 4 | 9°31 | 2°24 | 0°40 | 22° 9 | 8°12 | F 29 |
| S 30 | 18 58 0 | 13♋57'16 | 19♋26 | 20♋31 | 28♉28 | 23♍22 | 20♎18 | 7♎43 | 15♍32 | 7♎ 5 | 9♉32 | 2♊18 | 0♊37 | 22♊15 | 8♒10 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n51 | 25n50 | 2n18 | 16n32 | 2s34 | 11n33 | 2s46 | 9n36 | 0n56 | 6s32 | 1n22 | 0s27 | 2n37 | 6n44 | 0n46 | 1s13 | 1n43 | 0n33 | 14s47 | 20n51 | 20n41 | 24n35 | 11s35 | 6n41 |
| S 2 | 22 56 | 26 21 | 3 13 | 17 1 | 2 24 | 11 36 | 2 52 | 9 23 | 0 55 | 6 32 | 1 21 | 0 27 | 2 37 | 6 43 | 0 46 | 1 13 | 1 43 | 0 33 | 14 47 | 20 50 | 20 41 | 24 37 | 11 35 | 6 41 |
| S 3 | 23 2 | 25 39 | 4 1 | 17 31 | 2 14 | 11 41 | 2 57 | 9 11 | 0 53 | 6 31 | 1 21 | 0 27 | 2 37 | 6 43 | 0 46 | 1 13 | 1 43 | 0 34 | 14 48 | 20 50 | 20 40 | 24 38 | 11 35 | 6 42 |
| M 4 | 23 7 | 23 45 | 4 38 | 18 2 | 2 3 | 11 46 | 3 1 | 8 58 | 0 52 | 6 31 | 1 21 | 0 27 | 2 37 | 6 42 | 0 46 | 1 13 | 1 43 | 0 34 | 14 48 | 20 49 | 20 40 | 24 40 | 11 35 | 6 42 |
| T 5 | 23 11 | 20 46 | 5 3 | 18 32 | 1 52 | 11 52 | 3 6 | 8 45 | 0 51 | 6 31 | 1 21 | 0 27 | 2 36 | 6 42 | 0 46 | 1 13 | 1 43 | 0 34 | 14 48 | 20 49 | 20 39 | 24 41 | 11 35 | 6 42 |
| W 6 | 23 15 | 16 48 | 5 15 | 19 3 | 1 40 | 11 58 | 3 10 | 8 32 | 0 50 | 6 31 | 1 20 | 0 28 | 2 36 | 6 42 | 0 46 | 1 13 | 1 43 | 0 34 | 14 48 | 20 48 | 20 38 | 24 42 | 11 35 | 6 43 |
| T 7 | 23 19 | 12 2 | 5 12 | 19 33 | 1 29 | 12 5 | 3 14 | 8 19 | 0 48 | 6 31 | 1 20 | 0 28 | 2 36 | 6 41 | 0 46 | 1 13 | 1 43 | 0 34 | 14 48 | 20 48 | 20 38 | 24 44 | 11 35 | 6 43 |
| F 8 | 23 22 | 6 37 | 4 53 | 20 3 | 1 17 | 12 13 | 3 17 | 8 6 | 0 47 | 6 31 | 1 20 | 0 29 | 2 36 | 6 41 | 0 45 | 1 13 | 1 43 | 0 34 | 14 48 | 20 48 | 20 37 | 24 45 | 11 36 | 6 43 |
| S 9 | 23 25 | 0 45 | 4 18 | 20 33 | 1 5 | 12 21 | 3 20 | 7 53 | 0 46 | 6 31 | 1 19 | 0 29 | 2 35 | 6 40 | 0 45 | 1 13 | 1 43 | 0 34 | 14 49 | 20 48 | 20 36 | 24 46 | 11 36 | 6 44 |
| S 10 | 23 27 | 5s20 | 3 27 | 21 2 | 0 53 | 12 30 | 3 23 | 7 40 | 0 45 | 6 31 | 1 19 | 0 29 | 2 35 | 6 40 | 0 45 | 1 13 | 1 43 | 0 35 | 14 49 | 20 49 | 20 36 | 24 48 | 11 36 | 6 44 |
| M11 | 23 29 | 11 21 | 2 22 | 21 30 | 0 41 | 12 39 | 3 26 | 7 27 | 0 44 | 6 32 | 1 19 | 0 30 | 2 35 | 6 39 | 0 45 | 1 13 | 1 43 | 0 35 | 14 49 | 20 49 | 20 35 | 24 49 | 11 36 | 6 44 |
| T 12 | 23 31 | 16 55 | 1 7 | 21 57 | 0 30 | 12 48 | 3 28 | 7 13 | 0 42 | 6 32 | 1 19 | 0 31 | 2 35 | 6 38 | 0 45 | 1 13 | 1 43 | 0 35 | 14 49 | 20 49 | 20 34 | 24 50 | 11 36 | 6 44 |
| W13 | 23 32 | 21 34 | 0s15 | 22 23 | 0 18 | 12 58 | 3 31 | 7 0 | 0 41 | 6 33 | 1 18 | 0 31 | 2 34 | 6 38 | 0 45 | 1 13 | 1 43 | 0 35 | 14 49 | 20 49 | 20 34 | 24 52 | 11 37 | 6 45 |
| T 14 | 23 33 | 24 50 | 1 37 | 22 47 | 0 6 | 13 8 | 3 33 | 6 46 | 0 40 | 6 33 | 1 18 | 0 32 | 2 34 | 6 37 | 0 45 | 1 13 | 1 43 | 0 35 | 14 50 | 20 49 | 20 33 | 24 53 | 11 37 | 6 45 |
| F 15 | 23 33 | 26 17 | 2 52 | 23 10 | 0n 5 | 13 19 | 3 34 | 6 33 | 0 39 | 6 34 | 1 18 | 0 32 | 2 34 | 6 37 | 0 45 | 1 13 | 1 42 | 0 35 | 14 50 | 20 48 | 20 32 | 24 54 | 11 37 | 6 45 |
| S 16 | 23 33 | 25 46 | 3 54 | 23 30 | 0 16 | 13 30 | 3 36 | 6 19 | 0 38 | 6 34 | 1 17 | 0 33 | 2 33 | 6 36 | 0 45 | 1 13 | 1 42 | 0 35 | 14 50 | 20 48 | 20 32 | 24 56 | 11 37 | 6 46 |
| S 17 | 23 33 | 23 25 | 4 40 | 23 48 | 0 27 | 13 41 | 3 37 | 6 5 | 0 36 | 6 35 | 1 17 | 0 34 | 2 33 | 6 35 | 0 45 | 1 14 | 1 42 | 0 35 | 14 50 | 20 47 | 20 31 | 24 57 | 11 38 | 6 46 |
| M18 | 23 32 | 19 36 | 5 6 | 24 4 | 0 37 | 13 53 | 3 38 | 5 51 | 0 35 | 6 36 | 1 17 | 0 35 | 2 33 | 6 35 | 0 45 | 1 14 | 1 42 | 0 35 | 14 50 | 20 46 | 20 31 | 24 58 | 11 38 | 6 46 |
| T 19 | 23 30 | 14 47 | 5 13 | 24 18 | 0 46 | 14 5 | 3 39 | 5 37 | 0 34 | 6 37 | 1 17 | 0 36 | 2 33 | 6 34 | 0 45 | 1 14 | 1 42 | 0 35 | 14 51 | 20 46 | 20 30 | 25 0 | 11 39 | 6 46 |
| W20 | 23 29 | 9 24 | 5 2 | 24 29 | 0 56 | 14 17 | 3 40 | 5 23 | 0 33 | 6 37 | 1 16 | 0 36 | 2 32 | 6 33 | 0 45 | 1 14 | 1 42 | 0 35 | 14 51 | 20 45 | 20 29 | 25 1 | 11 39 | 6 47 |
| T 21 | 23 27 | 3 45 | 4 35 | 24 37 | 1 4 | 14 29 | 3 40 | 5 9 | 0 32 | 6 38 | 1 16 | 0 37 | 2 32 | 6 32 | 0 45 | 1 14 | 1 42 | 0 35 | 14 51 | 20 45 | 20 29 | 25 2 | 11 39 | 6 47 |
| F 22 | 23 24 | 1n52 | 3 55 | 24 42 | 1 12 | 14 41 | 3 41 | 4 55 | 0 31 | 6 39 | 1 16 | 0 38 | 2 32 | 6 32 | 0 45 | 1 14 | 1 42 | 0 35 | 14 51 | 20 45 | 20 28 | 25 3 | 11 40 | 6 47 |
| S 23 | 23 21 | 7 17 | 3 6 | 24 44 | 1 19 | 14 54 | 3 41 | 4 41 | 0 30 | 6 41 | 1 15 | 0 39 | 2 32 | 6 31 | 0 45 | 1 15 | 1 42 | 0 35 | 14 52 | 20 45 | 20 27 | 25 5 | 11 40 | 6 47 |
| S 24 | 23 18 | 12 20 | 2 8 | 24 44 | 1 25 | 15 6 | 3 41 | 4 27 | 0 29 | 6 42 | 1 15 | 0 40 | 2 31 | 6 30 | 0 45 | 1 15 | 1 42 | 0 35 | 14 52 | 20 46 | 20 27 | 25 6 | 11 41 | 6 48 |
| M25 | 23 14 | 16 50 | 1 6 | 24 41 | 1 31 | 15 19 | 3 41 | 4 12 | 0 28 | 6 43 | 1 15 | 0 41 | 2 31 | 6 29 | 0 45 | 1 15 | 1 42 | 0 35 | 14 52 | 20 46 | 20 26 | 25 7 | 11 41 | 6 48 |
| T 26 | 23 10 | 20 39 | 0 2 | 24 35 | 1 36 | 15 32 | 3 40 | 3 58 | 0 27 | 6 44 | 1 15 | 0 42 | 2 31 | 6 28 | 0 45 | 1 15 | 1 42 | 0 35 | 14 52 | 20 46 | 20 25 | 25 9 | 11 41 | 6 48 |
| W27 | 23 5 | 23 36 | 1n 1 | 24 26 | 1 40 | 15 44 | 3 40 | 3 43 | 0 25 | 6 46 | 1 14 | 0 43 | 2 31 | 6 28 | 0 45 | 1 15 | 1 42 | 0 35 | 14 53 | 20 46 | 20 25 | 25 10 | 11 42 | 6 48 |
| T 28 | 23 0 | 25 31 | 2 3 | 24 15 | 1 43 | 15 57 | 3 39 | 3 29 | 0 24 | 6 47 | 1 14 | 0 45 | 2 30 | 6 27 | 0 45 | 1 16 | 1 42 | 0 35 | 14 53 | 20 45 | 20 24 | 25 11 | 11 42 | 6 49 |
| F 29 | 22 55 | 26 19 | 2 58 | 24 1 | 1 46 | 16 10 | 3 38 | 3 14 | 0 23 | 6 48 | 1 14 | 0 46 | 2 30 | 6 26 | 0 45 | 1 16 | 1 42 | 0 35 | 14 53 | 20 44 | 20 23 | 25 12 | 11 43 | 6 49 |
| S 30 | 22n49 | 25n53 | 3n47 | 23n45 | 1n48 | 16n23 | 3s37 | 2n59 | 0n22 | 6s50 | 1n14 | 0s47 | 2n30 | 6n25 | 0n45 | 1s16 | 1n42 | 0n35 | 14s53 | 20n43 | 20n23 | 25n13 | 11s44 | 6n49 |

Julian Day Number = 2133211.5, Delta T = 16m16s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'20, Lahiri = 11°42'21 Julian Calendar 1 June 1128 == Greg. Calendar 8 June 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## JULY 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 1 57 | 14♋54'32 | 1♌29 | 22♋33 | 29♉23 | 23♍56 | 20♎22 | 7♎46 | 15♍34 | 7♎ 6 | 9♉33 | 2°R11 | 0♊34 | 22♊22 | 8°R 7 | S 1 |
| M 2 | 19 5 53 | 15°51'48 | 13°40 | 24°33 | 0♊18 | 24°31 | 20°25 | 7°49 | 15°36 | 7° 6 | 9°33 | 2♊ 3 | 0°31 | 22°29 | 8♒ 4 | M 2 |
| T 3 | 19 9 50 | 16°49'05 | 26° 1 | 26°32 | 1°13 | 25° 6 | 20°29 | 7°51 | 15°39 | 7° 7 | 9°34 | 1°55 | 0°28 | 22°35 | 8° 1 | T 3 |
| W 4 | 19 13 47 | 17°46'23 | 8♍34 | 28°29 | 2° 9 | 25°41 | 20°33 | 7°54 | 15°41 | 7° 8 | 9°34 | 1°49 | 0°24 | 22°42 | 7°58 | W 4 |
| T 5 | 19 17 43 | 18°43'40 | 21°20 | 0♌24 | 3° 5 | 26°16 | 20°37 | 7°57 | 15°43 | 7° 8 | 9°35 | 1°44 | 0°21 | 22°49 | 7°55 | T 5 |
| F 6 | 19 21 40 | 19°40'58 | 4♎22 | 2°18 | 4° 2 | 26°52 | 20°42 | 8° 0 | 15°46 | 7° 9 | 9°36 | 1°40 | 0°18 | 22°55 | 7°52 | F 6 |
| S 7 | 19 25 36 | 20°38'17 | 17°41 | 4° 9 | 5° 0 | 27°27 | 20°46 | 8° 4 | 15°48 | 7°10 | 9°36 | 1°D39 | 0°15 | 23° 2 | 7°49 | S 7 |
| S 8 | 19 29 33 | 21°35'36 | 1♏20 | 6° 0 | 5°57 | 28° 3 | 20°51 | 8° 7 | 15°51 | 7°11 | 9°37 | 1°40 | 0°12 | 23° 9 | 7°46 | S 8 |
| M 9 | 19 33 29 | 22°32'56 | 15°20 | 7°48 | 6°55 | 28°39 | 20°56 | 8°10 | 15°54 | 7°12 | 9°37 | 1°41 | 0° 8 | 23°15 | 7°43 | M 9 |
| T 10 | 19 37 26 | 23°30'16 | 29°41 | 9°35 | 7°54 | 29°14 | 21° 1 | 8°13 | 15°56 | 7°13 | 9°38 | 1°R41 | 0° 5 | 23°22 | 7°40 | T 10 |
| W11 | 19 41 22 | 24°27'37 | 14♐21 | 11°20 | 8°53 | 29°50 | 21° 6 | 8°17 | 15°59 | 7°13 | 9°38 | 1°41 | 0° 2 | 23°28 | 7°37 | W11 |
| T 12 | 19 45 19 | 25°24'59 | 29°16 | 13° 4 | 9°52 | 0♎27 | 21°12 | 8°21 | 16° 1 | 7°14 | 9°39 | 1°38 | 29♉59 | 23°35 | 7°33 | T 12 |
| F 13 | 19 49 16 | 26°22'21 | 14♑19 | 14°45 | 10°52 | 1° 3 | 21°17 | 8°24 | 16° 4 | 7°15 | 9°39 | 1°33 | 29°56 | 23°42 | 7°30 | F 13 |
| S 14 | 19 53 12 | 27°19'45 | 29°21 | 16°26 | 11°52 | 1°39 | 21°23 | 8°28 | 16° 7 | 7°16 | 9°40 | 1°26 | 29°53 | 23°48 | 7°27 | S 14 |
| S 15 | 19 57 9 | 28°17'09 | 14♒12 | 18° 4 | 12°52 | 2°15 | 21°28 | 8°32 | 16°10 | 7°17 | 9°40 | 1°18 | 29°49 | 23°55 | 7°24 | S 15 |
| M16 | 20 1 5 | 29°14'34 | 28°44 | 19°41 | 13°53 | 2°52 | 21°34 | 8°36 | 16°13 | 7°18 | 9°40 | 1° 9 | 29°46 | 24° 2 | 7°21 | M16 |
| T 17 | 20 5 2 | 0♌12'01 | 12♓51 | 21°16 | 14°54 | 3°29 | 21°40 | 8°40 | 16°15 | 7°20 | 9°41 | 1° 1 | 29°43 | 24° 8 | 7°18 | T 17 |
| W18 | 20 8 58 | 1° 9'28 | 26°31 | 22°50 | 15°55 | 4° 5 | 21°47 | 8°44 | 16°18 | 7°21 | 9°41 | 0°55 | 29°40 | 24°15 | 7°14 | W18 |
| T 19 | 20 12 55 | 2° 6'57 | 9♈42 | 24°22 | 16°57 | 4°42 | 21°53 | 8°48 | 16°21 | 7°22 | 9°41 | 0°50 | 29°37 | 24°22 | 7°11 | T 19 |
| F 20 | 20 16 51 | 3° 4'28 | 22°27 | 25°52 | 17°59 | 5°19 | 22° 0 | 8°52 | 16°24 | 7°23 | 9°42 | 0°48 | 29°34 | 24°28 | 7° 8 | F 20 |
| S 21 | 20 20 48 | 4° 1'59 | 4♉51 | 27°20 | 19° 1 | 5°56 | 22° 6 | 8°56 | 16°27 | 7°24 | 9°42 | 0°D47 | 29°30 | 24°35 | 7° 5 | S 21 |
| S 22 | 20 24 45 | 4°59'33 | 16°57 | 28°47 | 20° 3 | 6°34 | 22°13 | 9° 1 | 16°30 | 7°25 | 9°42 | 0°48 | 29°27 | 24°42 | 7° 2 | S 22 |
| M23 | 20 28 41 | 5°57'08 | 28°52 | 0♍13 | 21° 6 | 7°11 | 22°20 | 9° 5 | 16°33 | 7°27 | 9°42 | 0°R48 | 29°24 | 24°48 | 6°58 | M23 |
| T 24 | 20 32 38 | 6°54'44 | 10♊41 | 1°36 | 22° 9 | 7°48 | 22°27 | 9°10 | 16°36 | 7°28 | 9°43 | 0°48 | 29°21 | 24°55 | 6°55 | T 24 |
| W25 | 20 36 34 | 7°52'22 | 22°28 | 2°58 | 23°13 | 8°26 | 22°34 | 9°14 | 16°40 | 7°29 | 9°43 | 0°45 | 29°18 | 25° 2 | 6°52 | W25 |
| T 26 | 20 40 31 | 8°50'01 | 4♋17 | 4°18 | 24°16 | 9° 3 | 22°41 | 9°19 | 16°43 | 7°31 | 9°43 | 0°41 | 29°14 | 25° 8 | 6°49 | T 26 |
| F 27 | 20 44 27 | 9°47'42 | 16°13 | 5°36 | 25°20 | 9°41 | 22°49 | 9°24 | 16°46 | 7°32 | 9°43 | 0°33 | 29°11 | 25°15 | 6°45 | F 27 |
| S 28 | 20 48 24 | 10°45'24 | 28°17 | 6°52 | 26°24 | 10°19 | 22°56 | 9°28 | 16°49 | 7°33 | 9°43 | 0°23 | 29° 8 | 25°22 | 6°42 | S 28 |
| S 29 | 20 52 21 | 11°43'08 | 10♌32 | 8° 6 | 27°28 | 10°57 | 23° 4 | 9°33 | 16°52 | 7°35 | 9°43 | 0°12 | 29° 5 | 25°28 | 6°39 | S 29 |
| M30 | 20 56 17 | 12°40'53 | 22°57 | 9°19 | 28°33 | 11°35 | 23°12 | 9°38 | 16°56 | 7°36 | 9°44 | 29♉59 | 29° 2 | 25°35 | 6°36 | M30 |
| T 31 | 21 0 14 | 13♌38'39 | 5♍35 | 10♍29 | 29♊38 | 12♎13 | 23♎20 | 9♎43 | 16♍59 | 7♎38 | 9♉44 | 29♉47 | 28♉59 | 25♊42 | 6♒33 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n43 | 24n14 | 4n26 | 23n27 | 1n49 | 16n36 | 3s36 | 2n45 | 0n21 | 6s52 | 1n13 | 0s48 | 2n30 | 6n24 | 0n45 | 1s16 | 1n42 | 0n35 | 14s54 | 20n42 | 20n22 | 25n15 | 11s44 | 6n49 |
| M 2 | 22 36 | 21 28 | 4 53 | 23 6 | 1 49 | 16 49 | 3 35 | 2 30 | 0 20 | 6 53 | 1 13 | 0 50 | 2 30 | 6 23 | 0 45 | 1 17 | 1 42 | 0 35 | 14 54 | 20 40 | 20 21 | 25 16 | 11 45 | 6 49 |
| T 3 | 22 29 | 17 42 | 5 7 | 22 44 | 1 49 | 17 1 | 3 33 | 2 15 | 0 19 | 6 55 | 1 13 | 0 51 | 2 29 | 6 22 | 0 45 | 1 17 | 1 42 | 0 35 | 14 54 | 20 39 | 20 21 | 25 17 | 11 45 | 6 49 |
| W 4 | 22 22 | 13 7 | 5 6 | 22 20 | 1 48 | 17 14 | 3 32 | 2 0 | 0 18 | 6 57 | 1 12 | 0 52 | 2 29 | 6 21 | 0 44 | 1 17 | 1 41 | 0 35 | 14 54 | 20 37 | 20 20 | 25 18 | 11 46 | 6 50 |
| T 5 | 22 14 | 7 54 | 4 51 | 21 54 | 1 47 | 17 26 | 3 30 | 1 45 | 0 17 | 6 59 | 1 12 | 0 54 | 2 29 | 6 20 | 0 44 | 1 18 | 1 41 | 0 35 | 14 55 | 20 36 | 20 19 | 25 19 | 11 46 | 6 50 |
| F 6 | 22 6 | 2 14 | 4 20 | 21 27 | 1 45 | 17 39 | 3 28 | 1 30 | 0 16 | 7 1 | 1 12 | 0 55 | 2 29 | 6 19 | 0 44 | 1 18 | 1 41 | 0 35 | 14 55 | 20 36 | 20 19 | 25 21 | 11 47 | 6 50 |
| S 7 | 21 58 | 3s40 | 3 35 | 20 58 | 1 43 | 17 51 | 3 27 | 1 15 | 0 15 | 7 3 | 1 12 | 0 56 | 2 28 | 6 18 | 0 44 | 1 18 | 1 41 | 0 35 | 14 55 | 20 35 | 20 18 | 25 22 | 11 48 | 6 50 |
| S 8 | 21 49 | 9 33 | 2 36 | 20 28 | 1 39 | 18 3 | 3 25 | 1 0 | 0 14 | 7 5 | 1 11 | 0 58 | 2 28 | 6 17 | 0 44 | 1 19 | 1 41 | 0 35 | 14 55 | 20 36 | 20 17 | 25 23 | 11 48 | 6 50 |
| M 9 | 21 39 | 15 8 | 1 27 | 19 57 | 1 36 | 18 15 | 3 22 | 0 45 | 0 13 | 7 7 | 1 11 | 1 0 | 2 28 | 6 16 | 0 44 | 1 19 | 1 41 | 0 35 | 14 56 | 20 36 | 20 17 | 25 24 | 11 49 | 6 50 |
| T 10 | 21 30 | 20 0 | 0 11 | 19 25 | 1 32 | 18 26 | 3 20 | 0 29 | 0 12 | 7 9 | 1 11 | 1 1 | 2 28 | 6 15 | 0 44 | 1 20 | 1 41 | 0 35 | 14 56 | 20 36 | 20 16 | 25 25 | 11 50 | 6 50 |
| W11 | 21 20 | 23 45 | 1s 8 | 18 51 | 1 27 | 18 38 | 3 18 | 0 14 | 0 11 | 7 11 | 1 11 | 1 3 | 2 27 | 6 14 | 0 44 | 1 20 | 1 41 | 0 35 | 14 56 | 20 36 | 20 15 | 25 26 | 11 50 | 6 50 |
| T 12 | 21 9 | 25 56 | 2 23 | 18 17 | 1 22 | 18 49 | 3 15 | 0s 1 | 0 10 | 7 13 | 1 10 | 1 4 | 2 27 | 6 13 | 0 44 | 1 20 | 1 41 | 0 34 | 14 56 | 20 35 | 20 15 | 25 28 | 11 51 | 6 50 |
| F 13 | 20 59 | 26 14 | 3 28 | 17 42 | 1 17 | 19 0 | 3 13 | 0 16 | 0 9 | 7 16 | 1 10 | 1 6 | 2 27 | 6 12 | 0 44 | 1 21 | 1 41 | 0 34 | 14 57 | 20 34 | 20 14 | 25 29 | 11 52 | 6 51 |
| S 14 | 20 48 | 24 36 | 4 19 | 17 7 | 1 11 | 19 10 | 3 10 | 0 32 | 0 8 | 7 18 | 1 10 | 1 8 | 2 27 | 6 11 | 0 44 | 1 21 | 1 41 | 0 34 | 14 57 | 20 33 | 20 13 | 25 30 | 11 52 | 6 51 |
| S 15 | 20 36 | 21 18 | 4 52 | 16 31 | 1 5 | 19 21 | 3 8 | 0 47 | 0 8 | 7 20 | 1 10 | 1 9 | 2 26 | 6 10 | 0 44 | 1 22 | 1 41 | 0 34 | 14 57 | 20 31 | 20 13 | 25 31 | 11 53 | 6 51 |
| M16 | 20 24 | 16 44 | 5 5 | 15 54 | 0 58 | 19 31 | 3 5 | 1 3 | 0 7 | 7 23 | 1 9 | 1 11 | 2 26 | 6 9 | 0 44 | 1 22 | 1 41 | 0 34 | 14 58 | 20 29 | 20 12 | 25 32 | 11 54 | 6 51 |
| T 17 | 20 12 | 11 21 | 4 59 | 15 17 | 0 51 | 19 41 | 3 2 | 1 18 | 0 6 | 7 25 | 1 9 | 1 13 | 2 26 | 6 7 | 0 44 | 1 23 | 1 41 | 0 34 | 14 58 | 20 28 | 20 11 | 25 33 | 11 55 | 6 51 |
| W18 | 20 0 | 5 36 | 4 36 | 14 40 | 0 44 | 19 50 | 2 59 | 1 34 | 0 5 | 7 28 | 1 9 | 1 15 | 2 26 | 6 6 | 0 44 | 1 23 | 1 41 | 0 34 | 14 58 | 20 26 | 20 11 | 25 34 | 11 55 | 6 51 |
| T 19 | 19 47 | 0n13 | 3 58 | 14 2 | 0 36 | 19 59 | 2 56 | 1 49 | 0 4 | 7 30 | 1 9 | 1 16 | 2 26 | 6 5 | 0 44 | 1 24 | 1 41 | 0 33 | 14 58 | 20 25 | 20 10 | 25 35 | 11 56 | 6 51 |
| F 20 | 19 34 | 5 50 | 3 10 | 13 24 | 0 29 | 20 8 | 2 53 | 2 5 | 0 3 | 7 33 | 1 8 | 1 18 | 2 25 | 6 4 | 0 44 | 1 24 | 1 41 | 0 33 | 14 59 | 20 25 | 20 9 | 25 36 | 11 57 | 6 51 |
| S 21 | 19 20 | 11 6 | 2 14 | 12 46 | 0 21 | 20 17 | 2 50 | 2 20 | 0 2 | 7 36 | 1 8 | 1 20 | 2 25 | 6 3 | 0 44 | 1 25 | 1 41 | 0 33 | 14 59 | 20 25 | 20 8 | 25 38 | 11 58 | 6 51 |
| S 22 | 19 7 | 15 49 | 1 13 | 12 8 | 0 12 | 20 25 | 2 46 | 2 36 | 0 1 | 7 38 | 1 8 | 1 22 | 2 25 | 6 1 | 0 44 | 1 25 | 1 41 | 0 33 | 14 59 | 20 25 | 20 8 | 25 39 | 11 58 | 6 51 |
| M23 | 18 52 | 19 50 | 0 10 | 11 30 | 0 4 | 20 32 | 2 43 | 2 52 | 0 0 | 7 41 | 1 8 | 1 24 | 2 25 | 6 0 | 0 44 | 1 26 | 1 41 | 0 33 | 14 59 | 20 25 | 20 7 | 25 40 | 11 59 | 6 51 |
| T 24 | 18 38 | 23 1 | 0n52 | 10 53 | 0s 5 | 20 40 | 2 40 | 3 7 | 0s 1 | 7 44 | 1 7 | 1 26 | 2 25 | 5 59 | 0 44 | 1 26 | 1 41 | 0 32 | 15 0 | 20 25 | 20 6 | 25 41 | 12 0 | 6 51 |
| W25 | 18 23 | 25 13 | 1 53 | 10 15 | 0 14 | 20 47 | 2 36 | 3 23 | 0 2 | 7 47 | 1 7 | 1 28 | 2 24 | 5 58 | 0 44 | 1 27 | 1 40 | 0 32 | 15 0 | 20 24 | 20 6 | 25 42 | 12 1 | 6 51 |
| T 26 | 18 8 | 26 17 | 2 48 | 9 37 | 0 23 | 20 53 | 2 33 | 3 39 | 0 2 | 7 50 | 1 7 | 1 30 | 2 24 | 5 57 | 0 44 | 1 27 | 1 40 | 0 32 | 15 0 | 20 23 | 20 5 | 25 43 | 12 2 | 6 51 |
| F 27 | 17 53 | 26 9 | 3 37 | 9 0 | 0 33 | 20 59 | 2 29 | 3 54 | 0 3 | 7 53 | 1 7 | 1 32 | 2 24 | 5 55 | 0 44 | 1 28 | 1 40 | 0 32 | 15 1 | 20 22 | 20 4 | 25 44 | 12 2 | 6 51 |
| S 28 | 17 37 | 24 47 | 4 16 | 8 23 | 0 42 | 21 5 | 2 26 | 4 10 | 0 4 | 7 56 | 1 6 | 1 34 | 2 24 | 5 54 | 0 44 | 1 29 | 1 40 | 0 31 | 15 1 | 20 20 | 20 4 | 25 45 | 12 3 | 6 51 |
| S 29 | 17 21 | 22 14 | 4 44 | 7 46 | 0 52 | 21 10 | 2 22 | 4 26 | 0 5 | 7 59 | 1 6 | 1 36 | 2 24 | 5 53 | 0 44 | 1 29 | 1 40 | 0 31 | 15 1 | 20 17 | 20 3 | 25 46 | 12 4 | 6 51 |
| M30 | 17 5 | 18 38 | 4 59 | 7 10 | 1 1 | 21 14 | 2 18 | 4 42 | 0 6 | 8 2 | 1 6 | 1 38 | 2 23 | 5 51 | 0 44 | 1 30 | 1 40 | 0 31 | 15 1 | 20 15 | 20 2 | 25 47 | 12 5 | 6 51 |
| T 31 | 16n49 | 14n 9 | 5n 0 | 6n34 | 1s11 | 21n19 | 2s15 | 4s57 | 0s 7 | 8s 5 | 1n 6 | 1s40 | 2n23 | 5n50 | 0n44 | 1s30 | 1n40 | 0n31 | 15s 2 | 20n12 | 20n 2 | 25n48 | 12s 6 | 6n50 |

Julian Day Number = 2133241.5, Delta T = 16m16s
Ecliptic obliquity = 23°33'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'25, Lahiri = 11°42'25 Julian Calendar 1 July 1128 == Greg. Calendar 8 July 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## AUGUST 1128 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 4 10 | 14♌36'27 | 18♍23 | 11♍37 | 0♋43 | 12♎52 | 23♎28 | 9♎48 | 17♍ 2 | 7♎39 | 9♉44 | 29°R36 | 28♉55 | 25♊48 | 6°R29 | W 1 |
| T 2 | 21 8 7 | 15°34'16 | 1♎24 | 12°43 | 1°48 | 13°30 | 23°36 | 9°53 | 17° 6 | 7°41 | 9°44 | 29♉27 | 28°52 | 25°55 | 6♒26 | T 2 |
| F 3 | 21 12 3 | 16°32'06 | 14°36 | 13°46 | 2°53 | 14° 9 | 23°44 | 9°58 | 17° 9 | 7°42 | 9°R44 | 29°21 | 28°49 | 26° 2 | 6°23 | F 3 |
| S 4 | 21 16 0 | 17°29'57 | 28° 1 | 14°47 | 3°59 | 14°47 | 23°53 | 10° 4 | 17°12 | 7°44 | 9°44 | 29°18 | 28°46 | 26° 8 | 6°20 | S 4 |
| S 5 | 21 19 56 | 18°27'50 | 11♏40 | 15°45 | 5° 5 | 15°26 | 24° 1 | 10° 9 | 17°16 | 7°45 | 9°44 | 29°17 | 28°43 | 26°15 | 6°17 | S 5 |
| M 6 | 21 23 53 | 19°25'44 | 25°33 | 16°41 | 6°11 | 16° 5 | 24°10 | 10°14 | 17°19 | 7°47 | 9°44 | 29°17 | 28°40 | 26°22 | 6°14 | M 6 |
| T 7 | 21 27 49 | 20°23'40 | 9♐41 | 17°33 | 7°17 | 16°44 | 24°19 | 10°20 | 17°23 | 7°49 | 9°43 | 29°16 | 28°36 | 26°28 | 6°11 | T 7 |
| W 8 | 21 31 46 | 21°21'36 | 24° 3 | 18°23 | 8°24 | 17°23 | 24°28 | 10°25 | 17°26 | 7°50 | 9°43 | 29°15 | 28°33 | 26°35 | 6° 8 | W 8 |
| T 9 | 21 35 43 | 22°19'35 | 8♑37 | 19° 9 | 9°30 | 18° 2 | 24°37 | 10°31 | 17°30 | 7°52 | 9°43 | 29°11 | 28°30 | 26°42 | 6° 5 | T 9 |
| F 10 | 21 39 39 | 23°17'34 | 23°19 | 19°52 | 10°37 | 18°41 | 24°46 | 10°37 | 17°33 | 7°54 | 9°43 | 29° 4 | 28°27 | 26°48 | 6° 2 | F 10 |
| S 11 | 21 43 36 | 24°15'35 | 8♒ 1 | 20°31 | 11°44 | 19°20 | 24°55 | 10°42 | 17°37 | 7°55 | 9°43 | 28°55 | 28°24 | 26°55 | 5°59 | S 11 |
| S 12 | 21 47 32 | 25°13'38 | 22°37 | 21° 6 | 12°51 | 19°59 | 25° 4 | 10°48 | 17°40 | 7°57 | 9°43 | 28°44 | 28°20 | 27° 2 | 5°56 | S 12 |
| M13 | 21 51 29 | 26°11'42 | 6♓58 | 21°37 | 13°58 | 20°39 | 25°14 | 10°54 | 17°44 | 7°59 | 9°43 | 28°32 | 28°17 | 27° 8 | 5°53 | M13 |
| T 14 | 21 55 25 | 27° 9'48 | 20°59 | 22° 3 | 15° 6 | 21°18 | 25°23 | 11° 0 | 17°47 | 8° 1 | 9°42 | 28°21 | 28°14 | 27°15 | 5°50 | T 14 |
| W15 | 21 59 22 | 28° 7'56 | 4♈36 | 22°24 | 16°14 | 21°58 | 25°33 | 11° 6 | 17°51 | 8° 2 | 9°42 | 28°12 | 28°11 | 27°22 | 5°47 | W15 |
| T 16 | 22 3 18 | 29° 6'05 | 17°47 | 22°41 | 17°22 | 22°38 | 25°43 | 11°11 | 17°55 | 8° 4 | 9°42 | 28° 5 | 28° 8 | 27°28 | 5°44 | T 16 |
| F 17 | 22 7 15 | 0♍ 4'17 | 0♉33 | 22°52 | 18°30 | 23°18 | 25°52 | 11°17 | 17°58 | 8° 6 | 9°42 | 28° 1 | 28° 5 | 27°35 | 5°41 | F 17 |
| S 18 | 22 11 12 | 1° 2'31 | 12°58 | 22°R57 | 19°38 | 23°58 | 26° 2 | 11°23 | 18° 2 | 8° 8 | 9°41 | 27°59 | 28° 1 | 27°42 | 5°38 | S 18 |
| S 19 | 22 15 8 | 2° 0'47 | 25° 6 | 22°57 | 20°46 | 24°38 | 26°12 | 11°30 | 18° 6 | 8°10 | 9°41 | 27°58 | 27°58 | 27°48 | 5°36 | S 19 |
| M20 | 22 19 5 | 2°59'05 | 7♊ 2 | 22°50 | 21°55 | 25°18 | 26°22 | 11°36 | 18° 9 | 8°12 | 9°41 | 27°58 | 27°55 | 27°55 | 5°33 | M20 |
| T 21 | 22 23 1 | 3°57'25 | 18°51 | 22°37 | 23° 3 | 25°58 | 26°33 | 11°42 | 18°13 | 8°14 | 9°40 | 27°57 | 27°52 | 28° 2 | 5°30 | T 21 |
| W22 | 22 26 58 | 4°55'48 | 0♋40 | 22°17 | 24°12 | 26°38 | 26°43 | 11°48 | 18°17 | 8°16 | 9°40 | 27°55 | 27°49 | 28° 8 | 5°28 | W22 |
| T 23 | 22 30 54 | 5°54'12 | 12°33 | 21°51 | 25°21 | 27°19 | 26°53 | 11°54 | 18°20 | 8°17 | 9°39 | 27°50 | 27°46 | 28°15 | 5°25 | T 23 |
| F 24 | 22 34 51 | 6°52'39 | 24°33 | 21°18 | 26°30 | 27°59 | 27° 4 | 12° 1 | 18°24 | 8°19 | 9°39 | 27°43 | 27°42 | 28°22 | 5°22 | F 24 |
| S 25 | 22 38 47 | 7°51'07 | 6♌46 | 20°38 | 27°39 | 28°40 | 27°14 | 12° 7 | 18°28 | 8°21 | 9°39 | 27°33 | 27°39 | 28°28 | 5°20 | S 25 |
| S 26 | 22 42 44 | 8°49'38 | 19°12 | 19°53 | 28°49 | 29°20 | 27°25 | 12°14 | 18°31 | 8°23 | 9°38 | 27°21 | 27°36 | 28°35 | 5°17 | S 26 |
| M27 | 22 46 41 | 9°48'11 | 1♍53 | 19° 1 | 29°58 | 0♏ 1 | 27°36 | 12°20 | 18°35 | 8°25 | 9°38 | 27° 8 | 27°33 | 28°42 | 5°15 | M27 |
| T 28 | 22 50 37 | 10°46'45 | 14°50 | 18° 5 | 1♌ 8 | 0°42 | 27°47 | 12°27 | 18°39 | 8°27 | 9°37 | 26°56 | 27°30 | 28°48 | 5°12 | T 28 |
| W29 | 22 54 34 | 11°45'22 | 27°59 | 17° 5 | 2°18 | 1°23 | 27°57 | 12°33 | 18°43 | 8°29 | 9°37 | 26°44 | 27°26 | 28°55 | 5°10 | W29 |
| T 30 | 22 58 30 | 12°44'00 | 11♎22 | 16° 3 | 3°28 | 2° 4 | 28° 8 | 12°40 | 18°46 | 8°32 | 9°36 | 26°35 | 27°23 | 29° 2 | 5° 8 | T 30 |
| F 31 | 23 2 27 | 13♍42'41 | 24♎54 | 14♍59 | 4♌38 | 2♏45 | 28♎20 | 12♎46 | 18♍50 | 8♎34 | 9♉36 | 26♉29 | 27♉20 | 29♊ 8 | 5♒ 5 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n32 | 8n59 | 4n45 | 5n59 | 1s21 | 21n22 | 2s11 | 5s13 | 0s 8 | 8s 9 | 1n 6 | 1s43 | 2n23 | 5n49 | 0n44 | 1s31 | 1n40 | 0n31 | 15s 2 | 20n10 | 20n 1 | 25n49 | 12s 7 | 6n50 |
| T 2 | 16 15 | 3 21 | 4 16 | 5 25 | 1 31 | 21 25 | 2 7 | 5 29 | 0 8 | 8 12 | 1 5 | 1 45 | 2 23 | 5 47 | 0 44 | 1 32 | 1 40 | 0 30 | 15 2 | 20 8 | 20 0 | 25 50 | 12 8 | 6 50 |
| F 3 | 15 57 | 2s31 | 3 33 | 4 51 | 1 41 | 21 28 | 2 3 | 5 45 | 0 9 | 8 15 | 1 5 | 1 47 | 2 23 | 5 46 | 0 44 | 1 32 | 1 40 | 0 30 | 15 3 | 20 6 | 19 59 | 25 51 | 12 8 | 6 50 |
| S 4 | 15 40 | 8 22 | 2 37 | 4 19 | 1 51 | 21 30 | 1 59 | 6 0 | 0 10 | 8 18 | 1 5 | 1 49 | 2 23 | 5 45 | 0 44 | 1 33 | 1 40 | 0 30 | 15 3 | 20 6 | 19 59 | 25 52 | 12 9 | 6 50 |
| S 5 | 15 22 | 13 57 | 1 32 | 3 47 | 2 1 | 21 32 | 1 56 | 6 16 | 0 11 | 8 22 | 1 5 | 1 51 | 2 22 | 5 43 | 0 44 | 1 34 | 1 40 | 0 29 | 15 3 | 20 6 | 19 58 | 25 53 | 12 10 | 6 50 |
| M 6 | 15 4 | 18 55 | 0 20 | 3 16 | 2 12 | 21 33 | 1 52 | 6 32 | 0 12 | 8 25 | 1 4 | 1 54 | 2 22 | 5 42 | 0 44 | 1 34 | 1 40 | 0 29 | 15 3 | 20 5 | 19 57 | 25 54 | 12 11 | 6 50 |
| T 7 | 14 46 | 22 55 | 0s55 | 2 46 | 2 22 | 21 34 | 1 48 | 6 48 | 0 13 | 8 29 | 1 4 | 1 56 | 2 22 | 5 41 | 0 44 | 1 35 | 1 40 | 0 29 | 15 4 | 20 5 | 19 57 | 25 55 | 12 12 | 6 50 |
| W 8 | 14 27 | 25 32 | 2 7 | 2 18 | 2 31 | 21 34 | 1 44 | 7 4 | 0 13 | 8 32 | 1 4 | 1 58 | 2 22 | 5 39 | 0 44 | 1 36 | 1 40 | 0 29 | 15 4 | 20 5 | 19 56 | 25 56 | 12 13 | 6 50 |
| T 9 | 14 8 | 26 28 | 3 12 | 1 51 | 2 41 | 21 33 | 1 40 | 7 19 | 0 14 | 8 35 | 1 4 | 2 1 | 2 22 | 5 38 | 0 44 | 1 36 | 1 40 | 0 28 | 15 4 | 20 4 | 19 55 | 25 57 | 12 14 | 6 49 |
| F 10 | 13 49 | 25 33 | 4 5 | 1 25 | 2 51 | 21 32 | 1 36 | 7 35 | 0 15 | 8 39 | 1 4 | 2 3 | 2 21 | 5 36 | 0 43 | 1 37 | 1 40 | 0 28 | 15 5 | 20 3 | 19 55 | 25 58 | 12 15 | 6 49 |
| S 11 | 13 30 | 22 52 | 4 41 | 1 1 | 3 0 | 21 31 | 1 32 | 7 51 | 0 16 | 8 43 | 1 3 | 2 5 | 2 21 | 5 35 | 0 43 | 1 38 | 1 40 | 0 28 | 15 5 | 20 1 | 19 54 | 25 59 | 12 15 | 6 49 |
| S 12 | 13 10 | 18 44 | 4 59 | 0 39 | 3 10 | 21 28 | 1 28 | 8 6 | 0 16 | 8 46 | 1 3 | 2 8 | 2 21 | 5 34 | 0 43 | 1 38 | 1 40 | 0 27 | 15 5 | 19 58 | 19 53 | 26 0 | 12 16 | 6 49 |
| M13 | 12 51 | 13 35 | 4 57 | 0 18 | 3 18 | 21 26 | 1 24 | 8 22 | 0 17 | 8 50 | 1 3 | 2 10 | 2 21 | 5 32 | 0 43 | 1 39 | 1 40 | 0 27 | 15 5 | 19 56 | 19 52 | 26 1 | 12 17 | 6 49 |
| T 14 | 12 31 | 7 50 | 4 38 | 0 0 | 3 27 | 21 22 | 1 20 | 8 38 | 0 18 | 8 53 | 1 3 | 2 13 | 2 21 | 5 31 | 0 43 | 1 40 | 1 40 | 0 27 | 15 6 | 19 53 | 19 52 | 26 2 | 12 18 | 6 48 |
| W15 | 12 11 | 1 52 | 4 3 | 0s16 | 3 35 | 21 19 | 1 16 | 8 53 | 0 19 | 8 57 | 1 3 | 2 15 | 2 21 | 5 29 | 0 43 | 1 41 | 1 40 | 0 26 | 15 6 | 19 51 | 19 51 | 26 2 | 12 19 | 6 48 |
| T 16 | 11 50 | 4n 0 | 3 15 | 0 29 | 3 42 | 21 14 | 1 12 | 9 9 | 0 20 | 9 1 | 1 2 | 2 18 | 2 21 | 5 28 | 0 43 | 1 41 | 1 40 | 0 26 | 15 6 | 19 50 | 19 50 | 26 3 | 12 20 | 6 48 |
| F 17 | 11 30 | 9 32 | 2 20 | 0 40 | 3 49 | 21 9 | 1 8 | 9 24 | 0 20 | 9 5 | 1 2 | 2 20 | 2 20 | 5 27 | 0 43 | 1 42 | 1 40 | 0 26 | 15 7 | 19 49 | 19 50 | 26 4 | 12 21 | 6 48 |
| S 18 | 11 9 | 14 33 | 1 19 | 0 48 | 3 56 | 21 4 | 1 4 | 9 40 | 0 21 | 9 8 | 1 2 | 2 23 | 2 20 | 5 25 | 0 43 | 1 43 | 1 40 | 0 25 | 15 7 | 19 48 | 19 49 | 26 5 | 12 22 | 6 48 |
| S 19 | 10 48 | 18 53 | 0 15 | 0 53 | 4 1 | 20 57 | 1 0 | 9 55 | 0 22 | 9 12 | 1 2 | 2 25 | 2 20 | 5 24 | 0 43 | 1 44 | 1 40 | 0 25 | 15 7 | 19 48 | 19 48 | 26 6 | 12 22 | 6 47 |
| M20 | 10 27 | 22 22 | 0n48 | 0 54 | 4 6 | 20 51 | 0 56 | 10 11 | 0 23 | 9 16 | 1 2 | 2 28 | 2 20 | 5 22 | 0 43 | 1 44 | 1 40 | 0 25 | 15 7 | 19 48 | 19 47 | 26 7 | 12 23 | 6 47 |
| T 21 | 10 6 | 24 53 | 1 48 | 0 52 | 4 9 | 20 43 | 0 52 | 10 26 | 0 23 | 9 20 | 1 1 | 2 30 | 2 20 | 5 21 | 0 43 | 1 45 | 1 40 | 0 24 | 15 8 | 19 48 | 19 47 | 26 8 | 12 24 | 6 47 |
| W22 | 9 45 | 26 17 | 2 44 | 0 46 | 4 11 | 20 36 | 0 48 | 10 42 | 0 24 | 9 24 | 1 1 | 2 33 | 2 20 | 5 19 | 0 43 | 1 46 | 1 40 | 0 24 | 15 8 | 19 47 | 19 46 | 26 9 | 12 25 | 6 47 |
| T 23 | 9 23 | 26 29 | 3 33 | 0 36 | 4 12 | 20 27 | 0 44 | 10 57 | 0 25 | 9 28 | 1 1 | 2 35 | 2 20 | 5 18 | 0 43 | 1 47 | 1 39 | 0 24 | 15 8 | 19 46 | 19 45 | 26 9 | 12 26 | 6 46 |
| F 24 | 9 2 | 25 27 | 4 13 | 0 23 | 4 11 | 20 18 | 0 40 | 11 12 | 0 25 | 9 32 | 1 1 | 2 38 | 2 20 | 5 16 | 0 43 | 1 48 | 1 39 | 0 23 | 15 8 | 19 45 | 19 45 | 26 10 | 12 27 | 6 46 |
| S 25 | 8 40 | 23 12 | 4 41 | 0 5 | 4 9 | 20 9 | 0 36 | 11 27 | 0 26 | 9 36 | 1 1 | 2 40 | 2 19 | 5 15 | 0 43 | 1 48 | 1 39 | 0 23 | 15 9 | 19 42 | 19 44 | 26 11 | 12 28 | 6 46 |
| S 26 | 8 18 | 19 50 | 4 58 | 0n17 | 4 5 | 19 58 | 0 32 | 11 43 | 0 27 | 9 40 | 1 1 | 2 43 | 2 19 | 5 13 | 0 43 | 1 49 | 1 39 | 0 22 | 15 9 | 19 40 | 19 43 | 26 12 | 12 29 | 6 46 |
| M27 | 7 56 | 15 30 | 5 0 | 0 42 | 3 59 | 19 48 | 0 28 | 11 58 | 0 28 | 9 44 | 1 0 | 2 46 | 2 19 | 5 12 | 0 43 | 1 50 | 1 39 | 0 22 | 15 9 | 19 37 | 19 42 | 26 13 | 12 29 | 6 45 |
| T 28 | 7 34 | 10 24 | 4 46 | 1 11 | 3 51 | 19 36 | 0 24 | 12 13 | 0 28 | 9 48 | 1 0 | 2 48 | 2 19 | 5 10 | 0 43 | 1 51 | 1 39 | 0 22 | 15 9 | 19 34 | 19 42 | 26 14 | 12 30 | 6 45 |
| W29 | 7 11 | 4 44 | 4 18 | 1 44 | 3 41 | 19 25 | 0 20 | 12 28 | 0 29 | 9 52 | 1 0 | 2 51 | 2 19 | 5 9 | 0 43 | 1 52 | 1 39 | 0 21 | 15 10 | 19 31 | 19 41 | 26 14 | 12 31 | 6 45 |
| T 30 | 6 49 | 1s13 | 3 35 | 2 19 | 3 29 | 19 12 | 0 17 | 12 43 | 0 30 | 9 56 | 1 0 | 2 54 | 2 19 | 5 7 | 0 43 | 1 53 | 1 39 | 0 21 | 15 10 | 19 29 | 19 40 | 26 15 | 12 32 | 6 44 |
| F 31 | 6n26 | 7s13 | 2n39 | 2n56 | 3s16 | 18n59 | 0s13 | 12s58 | 0s30 | 10s 0 | 1n 0 | 2s56 | 2n19 | 5n 6 | 0n43 | 1s53 | 1n39 | 0n20 | 15s10 | 19n28 | 19n39 | 26n16 | 12s33 | 6n44 |

Julian Day Number = 2133272.5, Delta T = 16m16s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'29, Lahiri = 11°42'29 Julian Calendar 1 Aug. 1128 == Greg. Calendar 8 Aug. 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## SEPTEMBER 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 6 23 | 14♍41'23 | 8♏36 | 13°R55 | 5♌48 | 3♏26 | 28♎31 | 12♎53 | 18♍54 | 8♎36 | 9°R35 | 26°R26 | 27♉17 | 29♊15 | 5°R 3 | S 1 |
| S 2 | 23 10 20 | 15°40'07 | 22°25 | 12♍52 | 6°58 | 4° 8 | 28°42 | 13° 0 | 18°58 | 8°38 | 9♉34 | 26°D24 | 27°14 | 29°22 | 5♒ 1 | S 2 |
| M 3 | 23 14 16 | 16°38'53 | 6♐22 | 11°53 | 8° 8 | 4°49 | 28°53 | 13° 6 | 19° 2 | 8°40 | 9°34 | 26♉24 | 27°11 | 29°28 | 4°59 | M 3 |
| T 4 | 23 18 13 | 17°37'40 | 20°26 | 10°58 | 9°19 | 5°30 | 29° 4 | 13°13 | 19° 5 | 8°42 | 9°33 | 26°R25 | 27° 7 | 29°35 | 4°57 | T 4 |
| W 5 | 23 22 10 | 18°36'29 | 4♑36 | 10°10 | 10°29 | 6°12 | 29°16 | 13°20 | 19° 9 | 8°44 | 9°33 | 26°24 | 27° 4 | 29°42 | 4°55 | W 5 |
| T 6 | 23 26 6 | 19°35'20 | 18°52 | 9°30 | 11°40 | 6°54 | 29°27 | 13°27 | 19°13 | 8°46 | 9°32 | 26°21 | 27° 1 | 29°48 | 4°53 | T 6 |
| F 7 | 23 30 3 | 20°34'13 | 3♒ 9 | 8°58 | 12°51 | 7°35 | 29°39 | 13°33 | 19°17 | 8°48 | 9°31 | 26°15 | 26°58 | 29°55 | 4°51 | F 7 |
| S 8 | 23 33 59 | 21°33'08 | 17°25 | 8°35 | 14° 2 | 8°17 | 29°51 | 13°40 | 19°20 | 8°51 | 9°31 | 26° 7 | 26°55 | 0♋ 2 | 4°49 | S 8 |
| S 9 | 23 37 56 | 22°32'04 | 1♓35 | 8°22 | 15°13 | 8°59 | 0♏ 2 | 13°47 | 19°24 | 8°53 | 9°30 | 25°57 | 26°52 | 0° 8 | 4°47 | S 9 |
| M10 | 23 41 52 | 23°31'02 | 15°34 | 8°D20 | 16°24 | 9°41 | 0°14 | 13°54 | 19°28 | 8°55 | 9°29 | 25°47 | 26°48 | 0°15 | 4°46 | M10 |
| T 11 | 23 45 49 | 24°30'03 | 29°17 | 8°27 | 17°36 | 10°23 | 0°26 | 14° 1 | 19°32 | 8°57 | 9°28 | 25°37 | 26°45 | 0°22 | 4°44 | T 11 |
| W12 | 23 49 45 | 25°29'05 | 12♈41 | 8°45 | 18°47 | 11° 5 | 0°38 | 14° 8 | 19°36 | 8°59 | 9°28 | 25°29 | 26°42 | 0°28 | 4°42 | W12 |
| T 13 | 23 53 42 | 26°28'09 | 25°43 | 9°13 | 19°58 | 11°47 | 0°50 | 14°15 | 19°39 | 9° 1 | 9°27 | 25°22 | 26°39 | 0°35 | 4°41 | T 13 |
| F 14 | 23 57 39 | 27°27'16 | 8♉26 | 9°50 | 21°10 | 12°29 | 1° 2 | 14°22 | 19°43 | 9° 4 | 9°26 | 25°19 | 26°36 | 0°42 | 4°39 | F 14 |
| S 15 | 0 1 35 | 28°26'25 | 20°49 | 10°36 | 22°22 | 13°12 | 1°14 | 14°29 | 19°47 | 9° 6 | 9°25 | 25°D17 | 26°32 | 0°48 | 4°38 | S 15 |
| S 16 | 0 5 32 | 29°25'37 | 2♊57 | 11°31 | 23°34 | 13°54 | 1°26 | 14°36 | 19°51 | 9° 8 | 9°24 | 25°17 | 26°29 | 0°55 | 4°36 | S 16 |
| M17 | 0 9 28 | 0♎24'51 | 14°54 | 12°32 | 24°46 | 14°37 | 1°38 | 14°43 | 19°54 | 9°10 | 9°24 | 25°18 | 26°26 | 1° 2 | 4°35 | M17 |
| T 18 | 0 13 25 | 1°24'07 | 26°44 | 13°41 | 25°58 | 15°19 | 1°50 | 14°50 | 19°58 | 9°12 | 9°23 | 25°R19 | 26°23 | 1° 8 | 4°34 | T 18 |
| W19 | 0 17 21 | 2°23'25 | 8♋34 | 14°55 | 27°10 | 16° 2 | 2° 3 | 14°57 | 20° 2 | 9°15 | 9°22 | 25°19 | 26°20 | 1°15 | 4°33 | W19 |
| T 20 | 0 21 18 | 3°22'46 | 20°28 | 16°14 | 28°22 | 16°45 | 2°15 | 15° 5 | 20° 6 | 9°17 | 9°21 | 25°17 | 26°17 | 1°22 | 4°31 | T 20 |
| F 21 | 0 25 14 | 4°22'09 | 2♌31 | 17°38 | 29°34 | 17°27 | 2°27 | 15°12 | 20° 9 | 9°19 | 9°20 | 25°13 | 26°13 | 1°28 | 4°30 | F 21 |
| S 22 | 0 29 11 | 5°21'35 | 14°48 | 19° 6 | 0♍47 | 18°10 | 2°40 | 15°19 | 20°13 | 9°21 | 9°19 | 25° 7 | 26°10 | 1°35 | 4°29 | S 22 |
| S 23 | 0 33 8 | 6°21'03 | 27°21 | 20°37 | 1°59 | 18°53 | 2°52 | 15°26 | 20°17 | 9°24 | 9°18 | 25° 0 | 26° 7 | 1°42 | 4°28 | S 23 |
| M24 | 0 37 4 | 7°20'33 | 10♍14 | 22°11 | 3°12 | 19°36 | 3° 5 | 15°33 | 20°20 | 9°26 | 9°17 | 24°52 | 26° 4 | 1°48 | 4°27 | M24 |
| T 25 | 0 41 1 | 8°20'05 | 23°26 | 23°47 | 4°24 | 20°20 | 3°17 | 15°40 | 20°24 | 9°28 | 9°16 | 24°43 | 26° 1 | 1°55 | 4°27 | T 25 |
| W26 | 0 44 57 | 9°19'39 | 6♎56 | 25°25 | 5°37 | 21° 3 | 3°30 | 15°48 | 20°28 | 9°30 | 9°16 | 24°35 | 25°57 | 2° 2 | 4°26 | W26 |
| T 27 | 0 48 54 | 10°19'15 | 20°42 | 27° 4 | 6°50 | 21°46 | 3°43 | 15°55 | 20°31 | 9°33 | 9°15 | 24°30 | 25°54 | 2° 8 | 4°25 | T 27 |
| F 28 | 0 52 50 | 11°18'54 | 4♏41 | 28°44 | 8° 3 | 22°29 | 3°55 | 16° 2 | 20°35 | 9°35 | 9°14 | 24°26 | 25°51 | 2°15 | 4°24 | F 28 |
| S 29 | 0 56 47 | 12°18'34 | 18°48 | 0♎25 | 9°16 | 23°13 | 4° 8 | 16° 9 | 20°38 | 9°37 | 9°13 | 24°D24 | 25°48 | 2°22 | 4°24 | S 29 |
| S 30 | 1 0 43 | 13♎18'16 | 3♐ 0 | 2♎ 7 | 10♍29 | 23♏56 | 4♏21 | 16♎16 | 20♍42 | 9♎39 | 9♉12 | 24♉24 | 25♉45 | 2♋28 | 4♒23 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n 3 | 12s58 | 1n33 | 3n35 | 3s 0 | 18n46 | 0s 9 | 13s12 | 0s31 | 10s 4 | 1n 0 | 2s59 | 2n19 | 5n 5 | 0n43 | 1s54 | 1n39 | 0n20 | 15s10 | 19n27 | 19n39 | 26n17 | 12s34 | 6n44 |
| S 2 | 5 41 | 18 7 | 0 21 | 4 15 | 2 43 | 18 32 | 0 6 | 13 27 | 0 32 | 10 8 | 0 59 | 3 2 | 2 19 | 5 3 | 0 43 | 1 55 | 1 39 | 0 20 | 15 11 | 19 27 | 19 38 | 26 18 | 12 34 | 6 43 |
| M 3 | 5 18 | 22 21 | 0s53 | 4 54 | 2 25 | 18 17 | 0 2 | 13 42 | 0 32 | 10 12 | 0 59 | 3 4 | 2 18 | 5 2 | 0 43 | 1 56 | 1 39 | 0 19 | 15 11 | 19 27 | 19 37 | 26 18 | 12 35 | 6 43 |
| T 4 | 4 55 | 25 16 | 2 4 | 5 32 | 2 6 | 18 2 | 0n 2 | 13 56 | 0 33 | 10 17 | 0 59 | 3 7 | 2 18 | 5 0 | 0 43 | 1 57 | 1 39 | 0 19 | 15 11 | 19 27 | 19 37 | 26 19 | 12 36 | 6 43 |
| W 5 | 4 32 | 26 37 | 3 8 | 6 9 | 1 46 | 17 47 | 0 5 | 14 11 | 0 34 | 10 21 | 0 59 | 3 10 | 2 18 | 4 59 | 0 43 | 1 58 | 1 39 | 0 18 | 15 11 | 19 26 | 19 36 | 26 20 | 12 37 | 6 42 |
| T 6 | 4 8 | 26 12 | 4 1 | 6 43 | 1 26 | 17 30 | 0 9 | 14 25 | 0 34 | 10 25 | 0 59 | 3 13 | 2 18 | 4 57 | 0 43 | 1 58 | 1 39 | 0 18 | 15 11 | 19 26 | 19 35 | 26 21 | 12 38 | 6 42 |
| F 7 | 3 45 | 24 4 | 4 39 | 7 13 | 1 6 | 17 14 | 0 12 | 14 39 | 0 35 | 10 29 | 0 59 | 3 15 | 2 18 | 4 56 | 0 43 | 1 59 | 1 39 | 0 18 | 15 12 | 19 24 | 19 34 | 26 21 | 12 39 | 6 42 |
| S 8 | 3 22 | 20 26 | 5 0 | 7 40 | 0 47 | 16 57 | 0 16 | 14 54 | 0 36 | 10 33 | 0 59 | 3 18 | 2 18 | 4 54 | 0 43 | 2 0 | 1 39 | 0 17 | 15 12 | 19 22 | 19 34 | 26 22 | 12 39 | 6 41 |
| S 9 | 2 59 | 15 39 | 5 2 | 8 3 | 0 27 | 16 39 | 0 19 | 15 8 | 0 36 | 10 38 | 0 58 | 3 21 | 2 18 | 4 53 | 0 43 | 2 1 | 1 39 | 0 17 | 15 12 | 19 20 | 19 33 | 26 23 | 12 40 | 6 41 |
| M10 | 2 35 | 10 6 | 4 46 | 8 21 | 0 9 | 16 21 | 0 22 | 15 22 | 0 37 | 10 42 | 0 58 | 3 24 | 2 18 | 4 51 | 0 43 | 2 2 | 1 39 | 0 16 | 15 12 | 19 18 | 19 32 | 26 24 | 12 41 | 6 41 |
| T 11 | 2 12 | 4 9 | 4 13 | 8 34 | 0n 8 | 16 2 | 0 26 | 15 36 | 0 37 | 10 46 | 0 58 | 3 26 | 2 18 | 4 50 | 0 43 | 2 3 | 1 39 | 0 16 | 15 13 | 19 15 | 19 31 | 26 24 | 12 42 | 6 40 |
| W12 | 1 48 | 1n51 | 3 27 | 8 42 | 0 25 | 15 43 | 0 29 | 15 50 | 0 38 | 10 51 | 0 58 | 3 29 | 2 18 | 4 48 | 0 43 | 2 4 | 1 39 | 0 16 | 15 13 | 19 13 | 19 31 | 26 25 | 12 42 | 6 40 |
| T 13 | 1 25 | 7 38 | 2 31 | 8 46 | 0 40 | 15 24 | 0 32 | 16 3 | 0 39 | 10 55 | 0 58 | 3 32 | 2 18 | 4 47 | 0 43 | 2 5 | 1 39 | 0 15 | 15 13 | 19 12 | 19 30 | 26 26 | 12 43 | 6 39 |
| F 14 | 1 1 | 12 58 | 1 29 | 8 44 | 0 53 | 15 4 | 0 35 | 16 17 | 0 39 | 10 59 | 0 58 | 3 35 | 2 18 | 4 45 | 0 43 | 2 5 | 1 39 | 0 15 | 15 13 | 19 11 | 19 29 | 26 27 | 12 44 | 6 39 |
| S 15 | 0 37 | 17 40 | 0 24 | 8 38 | 1 6 | 14 43 | 0 38 | 16 30 | 0 40 | 11 4 | 0 58 | 3 37 | 2 18 | 4 44 | 0 43 | 2 6 | 1 39 | 0 14 | 15 13 | 19 11 | 19 28 | 26 27 | 12 45 | 6 39 |
| S 16 | 0 14 | 21 31 | 0n41 | 8 27 | 1 16 | 14 23 | 0 41 | 16 44 | 0 40 | 11 8 | 0 57 | 3 40 | 2 18 | 4 42 | 0 43 | 2 7 | 1 39 | 0 14 | 15 13 | 19 11 | 19 28 | 26 28 | 12 45 | 6 38 |
| M17 | 0s10 | 24 24 | 1 43 | 8 13 | 1 26 | 14 1 | 0 44 | 16 57 | 0 41 | 11 12 | 0 57 | 3 43 | 2 17 | 4 41 | 0 43 | 2 8 | 1 39 | 0 14 | 15 14 | 19 11 | 19 27 | 26 29 | 12 46 | 6 38 |
| T 18 | 0 34 | 26 12 | 2 41 | 7 54 | 1 34 | 13 40 | 0 47 | 17 10 | 0 42 | 11 17 | 0 57 | 3 46 | 2 17 | 4 39 | 0 43 | 2 9 | 1 39 | 0 13 | 15 14 | 19 11 | 19 26 | 26 29 | 12 47 | 6 37 |
| W19 | 0 57 | 26 47 | 3 31 | 7 31 | 1 41 | 13 18 | 0 50 | 17 23 | 0 42 | 11 21 | 0 57 | 3 49 | 2 17 | 4 38 | 0 43 | 2 10 | 1 39 | 0 13 | 15 14 | 19 11 | 19 25 | 26 30 | 12 47 | 6 37 |
| T 20 | 1 21 | 26 9 | 4 13 | 7 6 | 1 47 | 12 55 | 0 52 | 17 36 | 0 43 | 11 25 | 0 57 | 3 51 | 2 17 | 4 36 | 0 43 | 2 11 | 1 39 | 0 12 | 15 14 | 19 11 | 19 25 | 26 31 | 12 48 | 6 37 |
| F 21 | 1 45 | 24 18 | 4 44 | 6 37 | 1 51 | 12 32 | 0 55 | 17 49 | 0 43 | 11 30 | 0 57 | 3 54 | 2 17 | 4 35 | 0 43 | 2 12 | 1 39 | 0 12 | 15 14 | 19 10 | 19 24 | 26 31 | 12 49 | 6 36 |
| S 22 | 2 8 | 21 17 | 5 2 | 6 5 | 1 55 | 12 9 | 0 58 | 18 2 | 0 44 | 11 34 | 0 57 | 3 57 | 2 17 | 4 33 | 0 43 | 2 12 | 1 39 | 0 11 | 15 14 | 19 8 | 19 23 | 26 32 | 12 49 | 6 36 |
| S 23 | 2 32 | 17 15 | 5 7 | 5 31 | 1 57 | 11 45 | 1 0 | 18 14 | 0 44 | 11 38 | 0 57 | 4 0 | 2 17 | 4 32 | 0 43 | 2 13 | 1 39 | 0 11 | 15 15 | 19 6 | 19 22 | 26 32 | 12 50 | 6 35 |
| M24 | 2 56 | 12 20 | 4 57 | 4 56 | 1 58 | 11 21 | 1 3 | 18 26 | 0 45 | 11 43 | 0 56 | 4 3 | 2 17 | 4 31 | 0 43 | 2 14 | 1 39 | 0 11 | 15 15 | 19 4 | 19 22 | 26 33 | 12 51 | 6 35 |
| T 25 | 3 19 | 6 45 | 4 30 | 4 18 | 1 59 | 10 57 | 1 5 | 18 39 | 0 46 | 11 47 | 0 56 | 4 5 | 2 17 | 4 29 | 0 43 | 2 15 | 1 39 | 0 10 | 15 15 | 19 2 | 19 21 | 26 34 | 12 51 | 6 34 |
| W26 | 3 43 | 0 43 | 3 48 | 3 39 | 1 58 | 10 32 | 1 7 | 18 51 | 0 46 | 11 52 | 0 56 | 4 8 | 2 17 | 4 28 | 0 43 | 2 16 | 1 39 | 0 10 | 15 15 | 19 0 | 19 20 | 26 34 | 12 52 | 6 34 |
| T 27 | 4 6 | 5s28 | 2 52 | 2 58 | 1 57 | 10 7 | 1 10 | 19 3 | 0 47 | 11 56 | 0 56 | 4 11 | 2 17 | 4 26 | 0 43 | 2 17 | 1 39 | 0 9 | 15 15 | 18 59 | 19 19 | 26 35 | 12 52 | 6 34 |
| F 28 | 4 30 | 11 30 | 1 45 | 2 16 | 1 56 | 9 42 | 1 12 | 19 14 | 0 47 | 12 0 | 0 56 | 4 14 | 2 17 | 4 25 | 0 43 | 2 18 | 1 39 | 0 9 | 15 15 | 18 58 | 19 19 | 26 36 | 12 53 | 6 33 |
| S 29 | 4 53 | 17 1 | 0 30 | 1 34 | 1 53 | 9 16 | 1 14 | 19 26 | 0 48 | 12 5 | 0 56 | 4 16 | 2 17 | 4 23 | 0 43 | 2 19 | 1 39 | 0 9 | 15 15 | 18 58 | 19 18 | 26 36 | 12 53 | 6 33 |
| S 30 | 5s17 | 21s37 | 0s47 | 0n51 | 1n50 | 8n51 | 1n16 | 19s38 | 0s48 | 12s 9 | 0n56 | 4s19 | 2n17 | 4n22 | 0n43 | 2s19 | 1n39 | 0n 8 | 15s16 | 18n58 | 19n17 | 26n37 | 12s54 | 6n32 |

Julian Day Number = 2133303.5, Delta T = 16m16s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'33, Lahiri = 11°42'34 Julian Calendar 1 Sept. 1128 == Greg. Calendar 8 Sept. 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## OCTOBER 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 4 40 | 14♎18'01 | 17♐14 | 3♎49 | 11♍42 | 24♏40 | 4♏34 | 16♎24 | 20♍45 | 9♎42 | 9°R11 | 24♉25 | 25♉42 | 2♋35 | 4°R23 | M 1 |
| T 2 | 1 8 36 | 15°17'47 | 1♑27 | 5°31 | 12°55 | 25°24 | 4°46 | 16°31 | 20°49 | 9°44 | 9♉10 | 24°27 | 25°38 | 2°42 | 4♒23 | T 2 |
| W 3 | 1 12 33 | 16°17'34 | 15°37 | 7°13 | 14° 8 | 26° 7 | 4°59 | 16°38 | 20°53 | 9°46 | 9° 9 | 24°R28 | 25°35 | 2°48 | 4°22 | W 3 |
| T 4 | 1 16 30 | 17°17'24 | 29°42 | 8°55 | 15°21 | 26°51 | 5°12 | 16°45 | 20°56 | 9°48 | 9° 8 | 24°27 | 25°32 | 2°55 | 4°22 | T 4 |
| F 5 | 1 20 26 | 18°17'15 | 13♒42 | 10°37 | 16°35 | 27°35 | 5°25 | 16°53 | 21° 0 | 9°51 | 9° 7 | 24°24 | 25°29 | 3° 2 | 4°22 | F 5 |
| S 6 | 1 24 23 | 19°17'07 | 27°34 | 12°18 | 17°48 | 28°19 | 5°38 | 17° 0 | 21° 3 | 9°53 | 9° 5 | 24°21 | 25°26 | 3° 8 | 4°22 | S 6 |
| S 7 | 1 28 19 | 20°17'01 | 11♓17 | 14° 0 | 19° 2 | 29° 3 | 5°51 | 17° 7 | 21° 6 | 9°55 | 9° 4 | 24°15 | 25°23 | 3°15 | 4°D22 | S 7 |
| M 8 | 1 32 16 | 21°16'57 | 24°48 | 15°41 | 20°15 | 29°47 | 6° 4 | 17°14 | 21°10 | 9°57 | 9° 3 | 24°10 | 25°19 | 3°22 | 4°22 | M 8 |
| T 9 | 1 36 12 | 22°16'55 | 8♈ 6 | 17°21 | 21°29 | 0♐31 | 6°17 | 17°22 | 21°13 | 9°59 | 9° 2 | 24° 5 | 25°16 | 3°28 | 4°22 | T 9 |
| W10 | 1 40 9 | 23°16'55 | 21° 9 | 19° 2 | 22°43 | 1°15 | 6°30 | 17°29 | 21°17 | 10° 2 | 9° 1 | 24° 0 | 25°13 | 3°35 | 4°22 | W10 |
| T 11 | 1 44 5 | 24°16'57 | 3♉56 | 20°41 | 23°56 | 2° 0 | 6°43 | 17°36 | 21°20 | 10° 4 | 9° 0 | 23°57 | 25°10 | 3°42 | 4°22 | T 11 |
| F 12 | 1 48 2 | 25°17'00 | 16°27 | 22°21 | 25°10 | 2°44 | 6°57 | 17°43 | 21°23 | 10° 6 | 8°59 | 23°56 | 25° 7 | 3°48 | 4°23 | F 12 |
| S 13 | 1 51 59 | 26°17'06 | 28°45 | 24° 0 | 26°24 | 3°28 | 7°10 | 17°50 | 21°27 | 10° 8 | 8°58 | 23°D55 | 25° 3 | 3°55 | 4°23 | S 13 |
| S 14 | 1 55 55 | 27°17'14 | 10♊49 | 25°38 | 27°38 | 4°13 | 7°23 | 17°58 | 21°30 | 10°10 | 8°57 | 23°56 | 25° 0 | 4° 2 | 4°23 | S 14 |
| M15 | 1 59 52 | 28°17'24 | 22°45 | 27°16 | 28°52 | 4°57 | 7°36 | 18° 5 | 21°33 | 10°12 | 8°56 | 23°58 | 24°57 | 4° 8 | 4°24 | M15 |
| T 16 | 2 3 48 | 29°17'36 | 4♋36 | 28°54 | 0♎ 6 | 5°42 | 7°49 | 18°12 | 21°36 | 10°15 | 8°55 | 24° 0 | 24°54 | 4°15 | 4°25 | T 16 |
| W17 | 2 7 45 | 0♏17'50 | 16°25 | 0♏31 | 1°20 | 6°27 | 8° 2 | 18°19 | 21°39 | 10°17 | 8°54 | 24° 1 | 24°51 | 4°22 | 4°25 | W17 |
| T 18 | 2 11 41 | 1°18'06 | 28°18 | 2° 8 | 2°34 | 7°11 | 8°16 | 18°26 | 21°43 | 10°19 | 8°52 | 24°R 2 | 24°48 | 4°28 | 4°26 | T 18 |
| F 19 | 2 15 38 | 2°18'24 | 10♌21 | 3°44 | 3°49 | 7°56 | 8°29 | 18°33 | 21°46 | 10°21 | 8°51 | 24° 2 | 24°44 | 4°35 | 4°27 | F 19 |
| S 20 | 2 19 34 | 3°18'44 | 22°37 | 5°20 | 5° 3 | 8°41 | 8°42 | 18°40 | 21°49 | 10°23 | 8°50 | 24° 1 | 24°41 | 4°42 | 4°28 | S 20 |
| S 21 | 2 23 31 | 4°19'06 | 5♍11 | 6°56 | 6°17 | 9°26 | 8°56 | 18°47 | 21°52 | 10°25 | 8°49 | 23°59 | 24°38 | 4°49 | 4°28 | S 21 |
| M22 | 2 27 28 | 5°19'30 | 18° 6 | 8°32 | 7°32 | 10°11 | 9° 9 | 18°54 | 21°55 | 10°27 | 8°48 | 23°56 | 24°35 | 4°55 | 4°29 | M22 |
| T 23 | 2 31 24 | 6°19'56 | 1♎24 | 10° 7 | 8°46 | 10°56 | 9°22 | 19° 2 | 21°58 | 10°29 | 8°47 | 23°53 | 24°32 | 5° 2 | 4°30 | T 23 |
| W24 | 2 35 21 | 7°20'24 | 15° 6 | 11°41 | 10° 0 | 11°41 | 9°35 | 19° 9 | 22° 1 | 10°31 | 8°46 | 23°51 | 24°29 | 5° 9 | 4°32 | W24 |
| T 25 | 2 39 17 | 8°20'53 | 29°10 | 13°16 | 11°15 | 12°26 | 9°49 | 19°15 | 22° 4 | 10°33 | 8°45 | 23°49 | 24°25 | 5°15 | 4°33 | T 25 |
| F 26 | 2 43 14 | 9°21'24 | 13♏32 | 14°50 | 12°29 | 13°11 | 10° 2 | 19°22 | 22° 6 | 10°35 | 8°43 | 23°48 | 24°22 | 5°22 | 4°34 | F 26 |
| S 27 | 2 47 10 | 10°21'57 | 28° 6 | 16°24 | 13°44 | 13°57 | 10°15 | 19°29 | 22° 9 | 10°37 | 8°42 | 23°D48 | 24°19 | 5°29 | 4°35 | S 27 |
| S 28 | 2 51 7 | 11°22'32 | 12♐46 | 17°57 | 14°59 | 14°42 | 10°29 | 19°36 | 22°12 | 10°39 | 8°41 | 23°48 | 24°16 | 5°35 | 4°37 | S 28 |
| M29 | 2 55 3 | 12°23'08 | 27°26 | 19°31 | 16°13 | 15°27 | 10°42 | 19°43 | 22°15 | 10°41 | 8°40 | 23°49 | 24°13 | 5°42 | 4°38 | M29 |
| T 30 | 2 59 0 | 13°23'45 | 12♑ 0 | 21° 4 | 17°28 | 16°13 | 10°55 | 19°50 | 22°18 | 10°43 | 8°39 | 23°50 | 24° 9 | 5°49 | 4°40 | T 30 |
| W31 | 3 2 57 | 14♏24'24 | 26♑24 | 22♏37 | 18♎43 | 16♐58 | 11♏ 9 | 19♎57 | 22♍20 | 10♎45 | 8♉38 | 23♉51 | 24♉ 6 | 5♋55 | 4♒41 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s40 | 24s57 | 2s 1 | 0n 7 | 1n47 | 8n24 | 1n18 | 19s49 | 0s49 | 12s14 | 0n56 | 4s22 | 2n17 | 4n21 | 0n43 | 2s20 | 1n39 | 0n 8 | 15s16 | 18n58 | 19n16 | 26n37 | 12s55 | 6n32 |
| T 2 | 6 3 | 26 40 | 3 8 | 0s37 | 1 43 | 7 58 | 1 20 | 20 0 | 0 49 | 12 18 | 0 56 | 4 25 | 2 17 | 4 19 | 0 43 | 2 21 | 1 39 | 0 7 | 15 16 | 18 58 | 19 16 | 26 38 | 12 55 | 6 31 |
| W 3 | 6 26 | 26 39 | 4 3 | 1 22 | 1 39 | 7 31 | 1 21 | 20 11 | 0 50 | 12 23 | 0 55 | 4 28 | 2 17 | 4 18 | 0 43 | 2 22 | 1 39 | 0 7 | 15 16 | 18 59 | 19 15 | 26 38 | 12 56 | 6 31 |
| T 4 | 6 49 | 24 55 | 4 43 | 2 6 | 1 34 | 7 4 | 1 23 | 20 22 | 0 50 | 12 27 | 0 55 | 4 30 | 2 17 | 4 17 | 0 43 | 2 23 | 1 39 | 0 7 | 15 16 | 18 58 | 19 14 | 26 39 | 12 56 | 6 30 |
| F 5 | 7 12 | 21 40 | 5 6 | 2 51 | 1 30 | 6 37 | 1 25 | 20 32 | 0 51 | 12 31 | 0 55 | 4 33 | 2 17 | 4 15 | 0 43 | 2 24 | 1 39 | 0 6 | 15 16 | 18 58 | 19 13 | 26 40 | 12 56 | 6 30 |
| S 6 | 7 35 | 17 14 | 5 11 | 3 36 | 1 24 | 6 10 | 1 26 | 20 43 | 0 51 | 12 36 | 0 55 | 4 36 | 2 17 | 4 14 | 0 44 | 2 25 | 1 39 | 0 6 | 15 16 | 18 57 | 19 13 | 26 40 | 12 57 | 6 30 |
| S 7 | 7 58 | 11 57 | 4 58 | 4 20 | 1 19 | 5 42 | 1 28 | 20 53 | 0 52 | 12 40 | 0 55 | 4 39 | 2 17 | 4 12 | 0 44 | 2 26 | 1 39 | 0 5 | 15 16 | 18 56 | 19 12 | 26 41 | 12 57 | 6 29 |
| M 8 | 8 20 | 6 10 | 4 28 | 5 5 | 1 13 | 5 15 | 1 29 | 21 3 | 0 52 | 12 45 | 0 55 | 4 41 | 2 17 | 4 11 | 0 44 | 2 26 | 1 39 | 0 5 | 15 16 | 18 54 | 19 11 | 26 41 | 12 58 | 6 29 |
| T 9 | 8 43 | 0 13 | 3 45 | 5 49 | 1 7 | 4 47 | 1 31 | 21 13 | 0 53 | 12 49 | 0 55 | 4 44 | 2 17 | 4 10 | 0 44 | 2 27 | 1 39 | 0 5 | 15 16 | 18 53 | 19 10 | 26 42 | 12 58 | 6 28 |
| W10 | 9 5 | 5n40 | 2 50 | 6 33 | 1 1 | 4 19 | 1 32 | 21 22 | 0 53 | 12 53 | 0 55 | 4 47 | 2 17 | 4 9 | 0 44 | 2 28 | 1 39 | 0 4 | 15 16 | 18 52 | 19 10 | 26 42 | 12 59 | 6 28 |
| T 11 | 9 28 | 11 12 | 1 47 | 7 16 | 0 55 | 3 50 | 1 33 | 21 32 | 0 53 | 12 58 | 0 55 | 4 50 | 2 17 | 4 7 | 0 44 | 2 29 | 1 39 | 0 4 | 15 16 | 18 51 | 19 9 | 26 43 | 12 59 | 6 27 |
| F 12 | 9 50 | 16 11 | 0 41 | 7 59 | 0 49 | 3 22 | 1 34 | 21 41 | 0 54 | 13 2 | 0 55 | 4 52 | 2 17 | 4 6 | 0 44 | 2 30 | 1 39 | 0 3 | 15 17 | 18 51 | 19 8 | 26 43 | 12 59 | 6 27 |
| S 13 | 10 12 | 20 24 | 0n26 | 8 42 | 0 42 | 2 53 | 1 35 | 21 50 | 0 54 | 13 7 | 0 55 | 4 55 | 2 17 | 4 5 | 0 44 | 2 31 | 1 39 | 0 3 | 15 17 | 18 51 | 19 7 | 26 44 | 13 0 | 6 26 |
| S 14 | 10 33 | 23 41 | 1 32 | 9 24 | 0 36 | 2 25 | 1 36 | 21 59 | 0 55 | 13 11 | 0 54 | 4 58 | 2 17 | 4 3 | 0 44 | 2 31 | 1 39 | 0 3 | 15 17 | 18 51 | 19 7 | 26 44 | 13 0 | 6 26 |
| M15 | 10 55 | 25 53 | 2 32 | 10 6 | 0 29 | 1 56 | 1 37 | 22 8 | 0 55 | 13 15 | 0 54 | 5 0 | 2 17 | 4 2 | 0 44 | 2 32 | 1 39 | 0 2 | 15 17 | 18 51 | 19 6 | 26 45 | 13 0 | 6 26 |
| T 16 | 11 17 | 26 54 | 3 25 | 10 47 | 0 23 | 1 27 | 1 38 | 22 16 | 0 56 | 13 20 | 0 54 | 5 3 | 2 17 | 4 1 | 0 44 | 2 33 | 1 39 | 0 2 | 15 17 | 18 52 | 19 5 | 26 45 | 13 1 | 6 25 |
| W17 | 11 38 | 26 41 | 4 10 | 11 28 | 0 16 | 0 58 | 1 38 | 22 24 | 0 56 | 13 24 | 0 54 | 5 6 | 2 17 | 4 0 | 0 44 | 2 34 | 1 39 | 0 2 | 15 17 | 18 52 | 19 4 | 26 46 | 13 1 | 6 25 |
| T 18 | 11 59 | 25 14 | 4 44 | 12 8 | 0 9 | 0 29 | 1 39 | 22 32 | 0 56 | 13 28 | 0 54 | 5 9 | 2 17 | 3 58 | 0 44 | 2 35 | 1 39 | 0 1 | 15 17 | 18 52 | 19 3 | 26 46 | 13 1 | 6 24 |
| F 19 | 12 20 | 22 38 | 5 6 | 12 47 | 0 3 | 0s 0 | 1 39 | 22 40 | 0 57 | 13 33 | 0 54 | 5 11 | 2 18 | 3 57 | 0 44 | 2 36 | 1 40 | 0 1 | 15 17 | 18 52 | 19 3 | 26 46 | 13 2 | 6 24 |
| S 20 | 12 41 | 19 0 | 5 15 | 13 26 | 0s 4 | 0 29 | 1 40 | 22 48 | 0 57 | 13 37 | 0 54 | 5 14 | 2 18 | 3 56 | 0 44 | 2 36 | 1 40 | 0 1 | 15 17 | 18 52 | 19 2 | 26 47 | 13 2 | 6 23 |
| S 21 | 13 1 | 14 27 | 5 9 | 14 4 | 0 11 | 0 59 | 1 40 | 22 55 | 0 58 | 13 41 | 0 54 | 5 16 | 2 18 | 3 55 | 0 44 | 2 37 | 1 40 | 0 0 | 15 17 | 18 51 | 19 1 | 26 47 | 13 2 | 6 23 |
| M22 | 13 22 | 9 8 | 4 48 | 14 41 | 0 17 | 1 28 | 1 40 | 23 2 | 0 58 | 13 46 | 0 54 | 5 19 | 2 18 | 3 54 | 0 44 | 2 38 | 1 40 | 0s 0 | 15 17 | 18 51 | 19 0 | 26 48 | 13 2 | 6 22 |
| T 23 | 13 42 | 3 16 | 4 11 | 15 18 | 0 24 | 1 57 | 1 41 | 23 9 | 0 58 | 13 50 | 0 54 | 5 22 | 2 18 | 3 52 | 0 44 | 2 39 | 1 40 | 0 0 | 15 17 | 18 50 | 19 0 | 26 48 | 13 2 | 6 22 |
| W24 | 14 2 | 2s56 | 3 18 | 15 54 | 0 30 | 2 26 | 1 41 | 23 16 | 0 59 | 13 54 | 0 54 | 5 24 | 2 18 | 3 51 | 0 44 | 2 40 | 1 40 | 0 1 | 15 17 | 18 49 | 18 59 | 26 49 | 13 3 | 6 21 |
| T 25 | 14 21 | 9 10 | 2 12 | 16 29 | 0 37 | 2 56 | 1 41 | 23 22 | 0 59 | 13 59 | 0 54 | 5 27 | 2 18 | 3 50 | 0 44 | 2 40 | 1 40 | 0 1 | 15 17 | 18 49 | 18 58 | 26 49 | 13 3 | 6 21 |
| F 26 | 14 41 | 15 5 | 0 57 | 17 3 | 0 43 | 3 25 | 1 41 | 23 28 | 0 59 | 14 3 | 0 54 | 5 29 | 2 18 | 3 49 | 0 44 | 2 41 | 1 40 | 0 1 | 15 17 | 18 49 | 18 57 | 26 49 | 13 3 | 6 21 |
| S 27 | 15 0 | 20 13 | 0s24 | 17 37 | 0 50 | 3 54 | 1 41 | 23 34 | 1 0 | 14 7 | 0 54 | 5 32 | 2 18 | 3 48 | 0 44 | 2 42 | 1 40 | 0 2 | 15 17 | 18 49 | 18 56 | 26 50 | 13 3 | 6 20 |
| S 28 | 15 19 | 24 9 | 1 43 | 18 9 | 0 56 | 4 23 | 1 40 | 23 40 | 1 0 | 14 11 | 0 54 | 5 35 | 2 18 | 3 47 | 0 44 | 2 43 | 1 40 | 0 2 | 15 17 | 18 49 | 18 56 | 26 50 | 13 3 | 6 20 |
| M29 | 15 38 | 26 28 | 2 56 | 18 41 | 1 2 | 4 52 | 1 40 | 23 45 | 1 0 | 14 15 | 0 53 | 5 37 | 2 18 | 3 46 | 0 44 | 2 43 | 1 40 | 0 2 | 15 17 | 18 49 | 18 55 | 26 50 | 13 3 | 6 19 |
| T 30 | 15 56 | 26 56 | 3 57 | 19 12 | 1 8 | 5 21 | 1 40 | 23 51 | 1 1 | 14 20 | 0 53 | 5 40 | 2 18 | 3 45 | 0 44 | 2 44 | 1 40 | 0 3 | 15 17 | 18 49 | 18 54 | 26 51 | 13 3 | 6 19 |
| W31 | 16s14 | 25s35 | 4s42 | 19s42 | 1s14 | 5s50 | 1n39 | 23s56 | 1s 1 | 14s24 | 0n53 | 5s42 | 2n18 | 3n44 | 0n44 | 2s45 | 1n40 | 0s 3 | 15s16 | 18n49 | 18n53 | 26n51 | 13s 3 | 6n18 |

Julian Day Number = 2133333.5, Delta T = 16m16s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'37, Lahiri = 11°42'38 Julian Calendar 1 Oct. 1128 == Greg. Calendar 8 Oct. 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## NOVEMBER 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 6 53 | 15♏25'03 | 10♒33 | 24♏ 9 | 19♎57 | 17♐44 | 11♏22 | 20♎ 4 | 22♍23 | 10♎47 | 8°R37 | 23°R51 | 24♉ 3 | 6♋ 2 | 4♒43 | T 1 |
| F 2 | 3 10 50 | 16°25'44 | 24°27 | 25°42 | 21°12 | 18°30 | 11°35 | 20°10 | 22°26 | 10°49 | 8♉36 | 23♉51 | 24° 0 | 6° 9 | 4°45 | F 2 |
| S 3 | 3 14 46 | 17°26'26 | 8♓ 6 | 27°14 | 22°27 | 19°15 | 11°49 | 20°17 | 22°28 | 10°51 | 8°34 | 23°51 | 23°57 | 6°15 | 4°46 | S 3 |
| S 4 | 3 18 43 | 18°27'09 | 21°28 | 28°46 | 23°42 | 20° 1 | 12° 2 | 20°24 | 22°31 | 10°53 | 8°33 | 23°50 | 23°54 | 6°22 | 4°48 | S 4 |
| M 5 | 3 22 39 | 19°27'53 | 4♈36 | 0♐18 | 24°57 | 20°47 | 12°15 | 20°30 | 22°33 | 10°55 | 8°32 | 23°50 | 23°50 | 6°29 | 4°50 | M 5 |
| T 6 | 3 26 36 | 20°28'38 | 17°29 | 1°50 | 26°11 | 21°32 | 12°28 | 20°37 | 22°36 | 10°57 | 8°31 | 23°49 | 23°47 | 6°35 | 4°52 | T 6 |
| W 7 | 3 30 32 | 21°29'24 | 0♉10 | 3°21 | 27°26 | 22°18 | 12°42 | 20°44 | 22°38 | 10°59 | 8°30 | 23°49 | 23°44 | 6°42 | 4°54 | W 7 |
| T 8 | 3 34 29 | 22°30'11 | 12°38 | 4°53 | 28°41 | 23° 4 | 12°55 | 20°50 | 22°40 | 11° 0 | 8°29 | 23°49 | 23°41 | 6°49 | 4°56 | T 8 |
| F 9 | 3 38 26 | 23°31'00 | 24°55 | 6°24 | 29°56 | 23°50 | 13° 8 | 20°57 | 22°43 | 11° 2 | 8°28 | 23°49 | 23°38 | 6°55 | 4°58 | F 9 |
| S 10 | 3 42 22 | 24°31'50 | 7♊ 2 | 7°55 | 1♏11 | 24°36 | 13°21 | 21° 3 | 22°45 | 11° 4 | 8°27 | 23°49 | 23°34 | 7° 2 | 5° 0 | S 10 |
| S 11 | 3 46 19 | 25°32'42 | 19° 1 | 9°25 | 2°26 | 25°22 | 13°35 | 21°10 | 22°47 | 11° 6 | 8°26 | 23°49 | 23°31 | 7° 9 | 5° 3 | S 11 |
| M12 | 3 50 15 | 26°33'34 | 0♋55 | 10°56 | 3°41 | 26° 8 | 13°48 | 21°16 | 22°49 | 11° 7 | 8°25 | 23°48 | 23°28 | 7°15 | 5° 5 | M12 |
| T 13 | 3 54 12 | 27°34'28 | 12°44 | 12°26 | 4°56 | 26°54 | 14° 1 | 21°22 | 22°51 | 11° 9 | 8°24 | 23°48 | 23°25 | 7°22 | 5° 7 | T 13 |
| W14 | 3 58 8 | 28°35'23 | 24°34 | 13°55 | 6°11 | 27°41 | 14°14 | 21°29 | 22°53 | 11°11 | 8°22 | 23°47 | 23°22 | 7°29 | 5°10 | W14 |
| T 15 | 4 2 5 | 29°36'20 | 6♌27 | 15°24 | 7°26 | 28°27 | 14°27 | 21°35 | 22°56 | 11°12 | 8°21 | 23°47 | 23°19 | 7°36 | 5°12 | T 15 |
| F 16 | 4 6 1 | 0♐37'17 | 18°27 | 16°53 | 8°42 | 29°13 | 14°40 | 21°41 | 22°57 | 11°14 | 8°20 | 23°46 | 23°15 | 7°42 | 5°15 | F 16 |
| S 17 | 4 9 58 | 1°38'16 | 0♍40 | 18°21 | 9°57 | 29°59 | 14°53 | 21°47 | 22°59 | 11°15 | 8°19 | 23°D46 | 23°12 | 7°49 | 5°17 | S 17 |
| S 18 | 4 13 55 | 2°39'16 | 13° 9 | 19°48 | 11°12 | 0♑46 | 15° 6 | 21°53 | 23° 1 | 11°17 | 8°18 | 23°46 | 23° 9 | 7°56 | 5°20 | S 18 |
| M19 | 4 17 51 | 3°40'18 | 25°58 | 21°15 | 12°27 | 1°32 | 15°19 | 21°59 | 23° 3 | 11°19 | 8°17 | 23°47 | 23° 6 | 8° 2 | 5°23 | M19 |
| T 20 | 4 21 48 | 4°41'20 | 9♎12 | 22°40 | 13°42 | 2°19 | 15°32 | 22° 5 | 23° 5 | 11°20 | 8°16 | 23°48 | 23° 3 | 8° 9 | 5°25 | T 20 |
| W21 | 4 25 44 | 5°42'24 | 22°53 | 24° 4 | 14°57 | 3° 5 | 15°45 | 22°11 | 23° 7 | 11°22 | 8°15 | 23°49 | 23° 0 | 8°16 | 5°28 | W21 |
| T 22 | 4 29 41 | 6°43'28 | 7♏ 0 | 25°27 | 16°13 | 3°52 | 15°58 | 22°17 | 23° 8 | 11°23 | 8°14 | 23°50 | 22°56 | 8°22 | 5°31 | T 22 |
| F 23 | 4 33 37 | 7°44'34 | 21°31 | 26°49 | 17°28 | 4°38 | 16°11 | 22°23 | 23°10 | 11°25 | 8°13 | 23°R50 | 22°53 | 8°29 | 5°34 | F 23 |
| S 24 | 4 37 34 | 8°45'41 | 6♐22 | 28° 8 | 18°43 | 5°25 | 16°24 | 22°29 | 23°12 | 11°26 | 8°12 | 23°50 | 22°50 | 8°36 | 5°37 | S 24 |
| S 25 | 4 41 30 | 9°46'48 | 21°25 | 29°25 | 19°58 | 6°12 | 16°37 | 22°34 | 23°13 | 11°27 | 8°11 | 23°49 | 22°47 | 8°42 | 5°40 | S 25 |
| M26 | 4 45 27 | 10°47'56 | 6♑31 | 0♑40 | 21°14 | 6°58 | 16°50 | 22°40 | 23°15 | 11°29 | 8°11 | 23°47 | 22°44 | 8°49 | 5°43 | M26 |
| T 27 | 4 49 24 | 11°49'04 | 21°31 | 1°51 | 22°29 | 7°45 | 17° 2 | 22°45 | 23°16 | 11°30 | 8°10 | 23°44 | 22°40 | 8°56 | 5°46 | T 27 |
| W28 | 4 53 20 | 12°50'13 | 6♒17 | 2°59 | 23°44 | 8°32 | 17°15 | 22°51 | 23°17 | 11°31 | 8° 9 | 23°42 | 22°37 | 9° 2 | 5°49 | W28 |
| T 29 | 4 57 17 | 13°51'22 | 20°42 | 4° 3 | 24°59 | 9°19 | 17°28 | 22°56 | 23°19 | 11°33 | 8° 8 | 23°40 | 22°34 | 9° 9 | 5°52 | T 29 |
| F 30 | 5 1 13 | 14♐52'31 | 4♓44 | 5♑ 2 | 26♏15 | 10♑ 5 | 17♏40 | 23♎ 2 | 23♍20 | 11♎34 | 8♉ 7 | 23♉39 | 22♉31 | 9♋16 | 5♒56 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s32 | 22s37 | 5s 9 | 20s11 | 1s19 | 6s19 | 1n39 | 24s 0 | 1s 1 | 14s28 | 0n53 | 5s45 | 2n18 | 3n43 | 0n44 | 2s46 | 1n40 | 0s 3 | 15s16 | 18n50 | 18n52 | 26n52 | 13s 3 | 6n18 |
| F 2 | 16 50 | 18 24 | 5 17 | 20 39 | 1 25 | 6 47 | 1 38 | 24 5 | 1 2 | 14 32 | 0 53 | 5 47 | 2 19 | 3 42 | 0 44 | 2 46 | 1 40 | 0 3 | 15 16 | 18 50 | 18 52 | 26 52 | 13 3 | 6 18 |
| S 3 | 17 7 | 13 19 | 5 7 | 21 6 | 1 30 | 7 16 | 1 38 | 24 9 | 1 2 | 14 36 | 0 53 | 5 49 | 2 19 | 3 41 | 0 44 | 2 47 | 1 40 | 0 4 | 15 16 | 18 49 | 18 51 | 26 52 | 13 3 | 6 17 |
| S 4 | 17 24 | 7 42 | 4 41 | 21 32 | 1 35 | 7 44 | 1 37 | 24 13 | 1 2 | 14 40 | 0 53 | 5 52 | 2 19 | 3 40 | 0 44 | 2 48 | 1 40 | 0 4 | 15 16 | 18 49 | 18 50 | 26 53 | 13 3 | 6 17 |
| M 5 | 17 41 | 1 51 | 4 1 | 21 57 | 1 40 | 8 13 | 1 36 | 24 16 | 1 3 | 14 45 | 0 53 | 5 54 | 2 19 | 3 39 | 0 44 | 2 48 | 1 40 | 0 4 | 15 16 | 18 49 | 18 49 | 26 53 | 13 3 | 6 16 |
| T 6 | 17 57 | 4n 0 | 3 8 | 22 20 | 1 45 | 8 41 | 1 35 | 24 20 | 1 3 | 14 49 | 0 53 | 5 57 | 2 19 | 3 38 | 0 44 | 2 49 | 1 40 | 0 4 | 15 16 | 18 49 | 18 49 | 26 53 | 13 3 | 6 16 |
| W 7 | 18 13 | 9 35 | 2 8 | 22 43 | 1 50 | 9 8 | 1 35 | 24 23 | 1 3 | 14 53 | 0 53 | 5 59 | 2 19 | 3 37 | 0 44 | 2 50 | 1 40 | 0 5 | 15 16 | 18 49 | 18 48 | 26 53 | 13 3 | 6 15 |
| T 8 | 18 29 | 14 43 | 1 2 | 23 5 | 1 54 | 9 36 | 1 34 | 24 26 | 1 3 | 14 57 | 0 53 | 6 1 | 2 19 | 3 36 | 0 44 | 2 50 | 1 40 | 0 5 | 15 16 | 18 49 | 18 47 | 26 54 | 13 3 | 6 15 |
| F 9 | 18 44 | 19 11 | 0n 6 | 23 25 | 1 58 | 10 4 | 1 33 | 24 28 | 1 4 | 15 1 | 0 53 | 6 4 | 2 19 | 3 35 | 0 44 | 2 51 | 1 40 | 0 5 | 15 16 | 18 49 | 18 46 | 26 54 | 13 3 | 6 15 |
| S 10 | 19 0 | 22 47 | 1 13 | 23 44 | 2 2 | 10 31 | 1 31 | 24 30 | 1 4 | 15 5 | 0 53 | 6 6 | 2 19 | 3 34 | 0 44 | 2 52 | 1 40 | 0 5 | 15 16 | 18 49 | 18 45 | 26 54 | 13 3 | 6 14 |
| S 11 | 19 14 | 25 21 | 2 15 | 24 2 | 2 5 | 10 58 | 1 30 | 24 32 | 1 4 | 15 9 | 0 53 | 6 8 | 2 20 | 3 33 | 0 44 | 2 52 | 1 40 | 0 6 | 15 16 | 18 49 | 18 45 | 26 55 | 13 3 | 6 14 |
| M12 | 19 29 | 26 45 | 3 12 | 24 19 | 2 8 | 11 25 | 1 29 | 24 34 | 1 4 | 15 13 | 0 53 | 6 11 | 2 20 | 3 33 | 0 44 | 2 53 | 1 40 | 0 6 | 15 15 | 18 49 | 18 44 | 26 55 | 13 3 | 6 13 |
| T 13 | 19 43 | 26 55 | 4 0 | 24 34 | 2 11 | 11 51 | 1 28 | 24 36 | 1 5 | 15 17 | 0 53 | 6 13 | 2 20 | 3 32 | 0 45 | 2 54 | 1 40 | 0 6 | 15 15 | 18 49 | 18 43 | 26 55 | 13 3 | 6 13 |
| W14 | 19 56 | 25 51 | 4 37 | 24 48 | 2 14 | 12 17 | 1 26 | 24 37 | 1 5 | 15 21 | 0 53 | 6 15 | 2 20 | 3 31 | 0 45 | 2 54 | 1 40 | 0 6 | 15 15 | 18 49 | 18 42 | 26 55 | 13 2 | 6 13 |
| T 15 | 20 10 | 23 38 | 5 3 | 25 0 | 2 16 | 12 43 | 1 25 | 24 38 | 1 5 | 15 25 | 0 53 | 6 17 | 2 20 | 3 30 | 0 45 | 2 55 | 1 40 | 0 6 | 15 15 | 18 48 | 18 41 | 26 56 | 13 2 | 6 12 |
| F 16 | 20 23 | 20 22 | 5 16 | 25 11 | 2 18 | 13 9 | 1 23 | 24 38 | 1 5 | 15 29 | 0 53 | 6 19 | 2 20 | 3 29 | 0 45 | 2 55 | 1 41 | 0 7 | 15 15 | 18 48 | 18 41 | 26 56 | 13 2 | 6 12 |
| S 17 | 20 35 | 16 11 | 5 15 | 25 21 | 2 19 | 13 34 | 1 22 | 24 39 | 1 5 | 15 32 | 0 53 | 6 22 | 2 20 | 3 29 | 0 45 | 2 56 | 1 41 | 0 7 | 15 15 | 18 48 | 18 40 | 26 56 | 13 2 | 6 11 |
| S 18 | 20 47 | 11 15 | 4 59 | 25 29 | 2 20 | 13 59 | 1 20 | 24 39 | 1 6 | 15 36 | 0 53 | 6 24 | 2 21 | 3 28 | 0 45 | 2 57 | 1 41 | 0 7 | 15 15 | 18 48 | 18 39 | 26 56 | 13 1 | 6 11 |
| M19 | 20 59 | 5 43 | 4 29 | 25 36 | 2 20 | 14 24 | 1 19 | 24 39 | 1 6 | 15 40 | 0 53 | 6 26 | 2 21 | 3 27 | 0 45 | 2 57 | 1 41 | 0 7 | 15 14 | 18 48 | 18 38 | 26 56 | 13 1 | 6 11 |
| T 20 | 21 11 | 0s15 | 3 43 | 25 41 | 2 20 | 14 48 | 1 17 | 24 38 | 1 6 | 15 44 | 0 53 | 6 28 | 2 21 | 3 27 | 0 45 | 2 58 | 1 41 | 0 7 | 15 14 | 18 49 | 18 37 | 26 57 | 13 1 | 6 10 |
| W21 | 21 22 | 6 25 | 2 43 | 25 44 | 2 19 | 15 12 | 1 15 | 24 37 | 1 6 | 15 48 | 0 53 | 6 30 | 2 21 | 3 26 | 0 45 | 2 58 | 1 41 | 0 7 | 15 14 | 18 49 | 18 37 | 26 57 | 13 1 | 6 10 |
| T 22 | 21 32 | 12 28 | 1 32 | 25 46 | 2 18 | 15 36 | 1 14 | 24 36 | 1 6 | 15 51 | 0 53 | 6 32 | 2 21 | 3 25 | 0 45 | 2 59 | 1 41 | 0 7 | 15 14 | 18 49 | 18 36 | 26 57 | 13 0 | 6 10 |
| F 23 | 21 42 | 18 1 | 0 13 | 25 47 | 2 16 | 15 59 | 1 12 | 24 35 | 1 7 | 15 55 | 0 53 | 6 34 | 2 21 | 3 25 | 0 45 | 2 59 | 1 41 | 0 8 | 15 14 | 18 49 | 18 35 | 26 57 | 13 0 | 6 9 |
| S 24 | 21 52 | 22 36 | 1s 9 | 25 46 | 2 13 | 16 21 | 1 10 | 24 33 | 1 7 | 15 59 | 0 53 | 6 36 | 2 21 | 3 24 | 0 45 | 3 0 | 1 41 | 0 8 | 15 13 | 18 49 | 18 34 | 26 57 | 13 0 | 6 9 |
| S 25 | 22 1 | 25 43 | 2 27 | 25 43 | 2 10 | 16 44 | 1 8 | 24 31 | 1 7 | 16 2 | 0 53 | 6 38 | 2 22 | 3 24 | 0 45 | 3 0 | 1 41 | 0 8 | 15 13 | 18 49 | 18 33 | 26 58 | 12 59 | 6 9 |
| M26 | 22 10 | 26 58 | 3 35 | 25 39 | 2 5 | 17 6 | 1 6 | 24 29 | 1 7 | 16 6 | 0 53 | 6 40 | 2 22 | 3 23 | 0 45 | 3 1 | 1 41 | 0 8 | 15 13 | 18 48 | 18 33 | 26 58 | 12 59 | 6 8 |
| T 27 | 22 19 | 26 13 | 4 27 | 25 33 | 2 0 | 17 27 | 1 4 | 24 27 | 1 7 | 16 10 | 0 53 | 6 42 | 2 22 | 3 22 | 0 45 | 3 1 | 1 41 | 0 8 | 15 13 | 18 48 | 18 32 | 26 58 | 12 58 | 6 8 |
| W28 | 22 27 | 23 39 | 5 1 | 25 25 | 1 54 | 17 48 | 1 2 | 24 24 | 1 7 | 16 13 | 0 53 | 6 44 | 2 22 | 3 22 | 0 45 | 3 2 | 1 41 | 0 8 | 15 13 | 18 47 | 18 31 | 26 58 | 12 58 | 6 8 |
| T 29 | 22 34 | 19 38 | 5 15 | 25 16 | 1 47 | 18 8 | 1 0 | 24 21 | 1 7 | 16 17 | 0 53 | 6 46 | 2 22 | 3 21 | 0 45 | 3 2 | 1 41 | 0 8 | 15 12 | 18 47 | 18 30 | 26 58 | 12 57 | 6 7 |
| F 30 | 22s41 | 14s37 | 5s10 | 25s 6 | 1s39 | 18s28 | 0n58 | 24s17 | 1s 7 | 16s20 | 0n53 | 6s47 | 2n22 | 3n21 | 0n45 | 3s 3 | 1n41 | 0s 8 | 15s12 | 18n46 | 18n29 | 26n58 | 12s57 | 6n 7 |

Julian Day Number = 2133364.5, Delta T = 16m15s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'41, Lahiri = 11°42'42 Julian Calendar 1 Nov. 1128 == Greg. Calendar 8 Nov. 1128


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# ASTRODIENST EPHEMERIS for the year 1128
# geocentric

## DECEMBER 1128 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 5 10 | 15♐53'41 | 18♓22 | 5♑56 | 27♏30 | 10♑52 | 17♏53 | 23♎ 7 | 23♍21 | 11♎35 | 8°R 6 | 23°D38 | 22♉28 | 9♋23 | 5♒59 | S 1 |
| S 2 | 5 9 6 | 16°54'50 | 1♈37 | 6°44 | 28°45 | 11°39 | 18° 5 | 23°12 | 23°22 | 11°36 | 8♉ 5 | 23♉39 | 22°25 | 9°29 | 6° 2 | S 2 |
| M 3 | 5 13 3 | 17°56'00 | 14°31 | 7°24 | 0♐ 1 | 12°26 | 18°18 | 23°17 | 23°23 | 11°37 | 8° 4 | 23°40 | 22°21 | 9°36 | 6° 6 | M 3 |
| T 4 | 5 17 0 | 18°57'10 | 27° 8 | 7°57 | 1°16 | 13°13 | 18°30 | 23°23 | 23°25 | 11°39 | 8° 4 | 23°42 | 22°18 | 9°43 | 6° 9 | T 4 |
| W 5 | 5 20 56 | 19°58'20 | 9♉31 | 8°21 | 2°31 | 14° 0 | 18°43 | 23°28 | 23°25 | 11°40 | 8° 3 | 23°44 | 22°15 | 9°49 | 6°13 | W 5 |
| T 6 | 5 24 53 | 20°59'30 | 21°43 | 8°35 | 3°47 | 14°47 | 18°55 | 23°33 | 23°26 | 11°41 | 8° 2 | 23°R44 | 22°12 | 9°56 | 6°16 | T 6 |
| F 7 | 5 28 49 | 22° 0'40 | 3♊46 | 8°R38 | 5° 2 | 15°34 | 19° 7 | 23°37 | 23°27 | 11°42 | 8° 1 | 23°44 | 22° 9 | 10° 3 | 6°20 | F 7 |
| S 8 | 5 32 46 | 23° 1'50 | 15°44 | 8°31 | 6°17 | 16°21 | 19°19 | 23°42 | 23°28 | 11°43 | 8° 0 | 23°42 | 22° 6 | 10° 9 | 6°23 | S 8 |
| S 9 | 5 36 42 | 24° 3'01 | 27°37 | 8°11 | 7°33 | 17° 8 | 19°31 | 23°47 | 23°29 | 11°44 | 8° 0 | 23°38 | 22° 2 | 10°16 | 6°27 | S 9 |
| M10 | 5 40 39 | 25° 4'12 | 9♋28 | 7°40 | 8°48 | 17°55 | 19°43 | 23°52 | 23°30 | 11°45 | 7°59 | 23°33 | 21°59 | 10°23 | 6°30 | M10 |
| T 11 | 5 44 35 | 26° 5'22 | 21°18 | 6°57 | 10° 3 | 18°42 | 19°56 | 23°56 | 23°30 | 11°46 | 7°58 | 23°27 | 21°56 | 10°29 | 6°34 | T 11 |
| W12 | 5 48 32 | 27° 6'33 | 3♌10 | 6° 4 | 11°19 | 19°29 | 20° 7 | 24° 1 | 23°31 | 11°46 | 7°58 | 23°21 | 21°53 | 10°36 | 6°38 | W12 |
| T 13 | 5 52 29 | 28° 7'45 | 15° 6 | 5° 0 | 12°34 | 20°17 | 20°19 | 24° 5 | 23°31 | 11°47 | 7°57 | 23°15 | 21°50 | 10°43 | 6°42 | T 13 |
| F 14 | 5 56 25 | 29° 8'56 | 27° 8 | 3°49 | 13°49 | 21° 4 | 20°31 | 24°10 | 23°32 | 11°48 | 7°56 | 23° 9 | 21°46 | 10°49 | 6°46 | F 14 |
| S 15 | 6 0 22 | 0♑10'07 | 9♍19 | 2°32 | 15° 5 | 21°51 | 20°43 | 24°14 | 23°32 | 11°49 | 7°56 | 23° 5 | 21°43 | 10°56 | 6°49 | S 15 |
| S 16 | 6 4 18 | 1°11'19 | 21°44 | 1°11 | 16°20 | 22°38 | 20°55 | 24°18 | 23°33 | 11°50 | 7°55 | 23° 3 | 21°40 | 11° 3 | 6°53 | S 16 |
| M17 | 6 8 15 | 2°12'31 | 4♎27 | 29♐50 | 17°35 | 23°25 | 21° 6 | 24°22 | 23°33 | 11°50 | 7°54 | 23°D 3 | 21°37 | 11°10 | 6°57 | M17 |
| T 18 | 6 12 11 | 3°13'43 | 17°31 | 28°32 | 18°51 | 24°13 | 21°18 | 24°26 | 23°33 | 11°51 | 7°54 | 23° 3 | 21°34 | 11°16 | 7° 1 | T 18 |
| W19 | 6 16 8 | 4°14'55 | 1♏ 1 | 27°17 | 20° 6 | 25° 0 | 21°29 | 24°30 | 23°34 | 11°52 | 7°53 | 23° 5 | 21°31 | 11°23 | 7° 5 | W19 |
| T 20 | 6 20 4 | 5°16'07 | 14°58 | 26° 9 | 21°22 | 25°47 | 21°41 | 24°34 | 23°34 | 11°52 | 7°53 | 23° 6 | 21°27 | 11°30 | 7° 9 | T 20 |
| F 21 | 6 24 1 | 6°17'19 | 29°23 | 25° 9 | 22°37 | 26°35 | 21°52 | 24°38 | 23°34 | 11°53 | 7°52 | 23°R 6 | 21°24 | 11°36 | 7°13 | F 21 |
| S 22 | 6 27 58 | 7°18'31 | 14♐12 | 24°18 | 23°52 | 27°22 | 22° 3 | 24°41 | 23°R34 | 11°53 | 7°52 | 23° 4 | 21°21 | 11°43 | 7°17 | S 22 |
| S 23 | 6 31 54 | 8°19'43 | 29°21 | 23°36 | 25° 8 | 28° 9 | 22°14 | 24°45 | 23°34 | 11°54 | 7°51 | 23° 0 | 21°18 | 11°50 | 7°21 | S 23 |
| M24 | 6 35 51 | 9°20'54 | 14♑39 | 23° 4 | 26°23 | 28°57 | 22°26 | 24°48 | 23°34 | 11°54 | 7°51 | 22°54 | 21°15 | 11°56 | 7°26 | M24 |
| T 25 | 6 39 47 | 10°22'05 | 29°56 | 22°42 | 27°38 | 29°44 | 22°37 | 24°52 | 23°34 | 11°55 | 7°50 | 22°47 | 21°12 | 12° 3 | 7°30 | T 25 |
| W26 | 6 43 44 | 11°23'16 | 15♒ 1 | 22°29 | 28°54 | 0♒31 | 22°48 | 24°55 | 23°33 | 11°55 | 7°50 | 22°39 | 21° 8 | 12°10 | 7°34 | W26 |
| T 27 | 6 47 40 | 12°24'25 | 29°45 | 22°D26 | 0♑ 9 | 1°19 | 22°58 | 24°58 | 23°33 | 11°56 | 7°49 | 22°32 | 21° 5 | 12°16 | 7°38 | T 27 |
| F 28 | 6 51 37 | 13°25'34 | 14♓ 2 | 22°30 | 1°24 | 2° 6 | 23° 9 | 25° 2 | 23°33 | 11°56 | 7°49 | 22°26 | 21° 2 | 12°23 | 7°42 | F 28 |
| S 29 | 6 55 34 | 14°26'42 | 27°49 | 22°43 | 2°40 | 2°54 | 23°20 | 25° 5 | 23°32 | 11°56 | 7°49 | 22°23 | 20°59 | 12°30 | 7°47 | S 29 |
| S 30 | 6 59 30 | 15°27'49 | 11♈ 8 | 23° 3 | 3°55 | 3°41 | 23°30 | 25° 8 | 23°32 | 11°56 | 7°48 | 22°D21 | 20°56 | 12°37 | 7°51 | S 30 |
| M31 | 7 3 27 | 16♑28'55 | 24♈ 0 | 23♐29 | 5♑10 | 4♒28 | 23♏41 | 25♎10 | 23♍32 | 11♎57 | 7♉48 | 22♉21 | 20♉52 | 12♋43 | 7♒55 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s48 | 9s 1 | 4s47 | 24s55 | 1s30 | 18s48 | 0n55 | 24s14 | 1s 8 | 16s24 | 0n53 | 6s49 | 2n23 | 3n21 | 0n45 | 3s 3 | 1n41 | 0s 8 | 15s12 | 18n46 | 18n28 | 26n58 | 12s57 | 6n 7 |
| S 2 | 22 54 | 3 10 | 4 9 | 24 42 | 1 19 | 19 7 | 0 53 | 24 10 | 1 8 | 16 27 | 0 53 | 6 51 | 2 23 | 3 20 | 0 45 | 3 3 | 1 41 | 0 8 | 15 12 | 18 46 | 18 28 | 26 59 | 12 56 | 6 6 |
| M 3 | 23 0 | 2n41 | 3 19 | 24 28 | 1 8 | 19 25 | 0 51 | 24 6 | 1 8 | 16 31 | 0 53 | 6 53 | 2 23 | 3 20 | 0 45 | 3 4 | 1 41 | 0 8 | 15 12 | 18 47 | 18 27 | 26 59 | 12 56 | 6 6 |
| T 4 | 23 5 | 8 18 | 2 21 | 24 13 | 0 55 | 19 43 | 0 49 | 24 1 | 1 8 | 16 34 | 0 53 | 6 54 | 2 23 | 3 19 | 0 45 | 3 4 | 1 41 | 0 8 | 15 11 | 18 47 | 18 26 | 26 59 | 12 55 | 6 6 |
| W 5 | 23 10 | 13 30 | 1 17 | 23 58 | 0 40 | 20 0 | 0 47 | 23 56 | 1 8 | 16 38 | 0 53 | 6 56 | 2 23 | 3 19 | 0 45 | 3 5 | 1 42 | 0 8 | 15 11 | 18 48 | 18 25 | 26 59 | 12 54 | 6 5 |
| T 6 | 23 15 | 18 6 | 0 11 | 23 41 | 0 25 | 20 17 | 0 44 | 23 51 | 1 8 | 16 41 | 0 53 | 6 58 | 2 24 | 3 19 | 0 45 | 3 5 | 1 42 | 0 8 | 15 11 | 18 48 | 18 24 | 26 59 | 12 54 | 6 5 |
| F 7 | 23 19 | 21 54 | 0n55 | 23 25 | 0 8 | 20 33 | 0 42 | 23 46 | 1 8 | 16 44 | 0 53 | 6 59 | 2 24 | 3 18 | 0 45 | 3 5 | 1 42 | 0 8 | 15 11 | 18 48 | 18 24 | 26 59 | 12 53 | 6 5 |
| S 8 | 23 22 | 24 44 | 1 58 | 23 7 | 0n 9 | 20 49 | 0 40 | 23 40 | 1 8 | 16 48 | 0 53 | 7 1 | 2 24 | 3 18 | 0 45 | 3 6 | 1 42 | 0 8 | 15 10 | 18 47 | 18 23 | 26 59 | 12 53 | 6 4 |
| S 9 | 23 25 | 26 27 | 2 55 | 22 50 | 0 28 | 21 4 | 0 37 | 23 35 | 1 8 | 16 51 | 0 53 | 7 2 | 2 24 | 3 18 | 0 46 | 3 6 | 1 42 | 0 8 | 15 10 | 18 46 | 18 22 | 26 59 | 12 52 | 6 4 |
| M10 | 23 28 | 26 56 | 3 44 | 22 33 | 0 47 | 21 18 | 0 35 | 23 28 | 1 8 | 16 54 | 0 53 | 7 4 | 2 24 | 3 18 | 0 46 | 3 6 | 1 42 | 0 8 | 15 10 | 18 45 | 18 21 | 26 59 | 12 52 | 6 4 |
| T 11 | 23 30 | 26 12 | 4 24 | 22 15 | 1 7 | 21 32 | 0 32 | 23 22 | 1 8 | 16 58 | 0 53 | 7 5 | 2 25 | 3 17 | 0 46 | 3 7 | 1 42 | 0 8 | 15 10 | 18 44 | 18 20 | 26 59 | 12 51 | 6 4 |
| W12 | 23 31 | 24 16 | 4 52 | 21 58 | 1 27 | 21 45 | 0 30 | 23 15 | 1 8 | 17 1 | 0 53 | 7 7 | 2 25 | 3 17 | 0 46 | 3 7 | 1 42 | 0 8 | 15 9 | 18 42 | 18 19 | 26 59 | 12 50 | 6 3 |
| T 13 | 23 32 | 21 17 | 5 8 | 21 42 | 1 46 | 21 57 | 0 28 | 23 8 | 1 8 | 17 4 | 0 53 | 7 8 | 2 25 | 3 17 | 0 46 | 3 7 | 1 42 | 0 8 | 15 9 | 18 40 | 18 19 | 26 59 | 12 50 | 6 3 |
| F 14 | 23 33 | 17 22 | 5 10 | 21 25 | 2 4 | 22 9 | 0 25 | 23 1 | 1 8 | 17 7 | 0 53 | 7 10 | 2 25 | 3 17 | 0 46 | 3 7 | 1 42 | 0 8 | 15 9 | 18 39 | 18 18 | 26 59 | 12 49 | 6 3 |
| S 15 | 23 33 | 12 43 | 4 59 | 21 10 | 2 22 | 22 20 | 0 23 | 22 54 | 1 8 | 17 10 | 0 53 | 7 11 | 2 25 | 3 17 | 0 46 | 3 8 | 1 42 | 0 8 | 15 9 | 18 38 | 18 17 | 26 59 | 12 48 | 6 3 |
| S 16 | 23 33 | 7 28 | 4 33 | 20 56 | 2 37 | 22 31 | 0 20 | 22 46 | 1 8 | 17 13 | 0 53 | 7 12 | 2 26 | 3 17 | 0 46 | 3 8 | 1 42 | 0 8 | 15 8 | 18 37 | 18 16 | 26 59 | 12 47 | 6 2 |
| M17 | 23 32 | 1 48 | 3 54 | 20 43 | 2 50 | 22 41 | 0 18 | 22 38 | 1 8 | 17 16 | 0 53 | 7 14 | 2 26 | 3 16 | 0 46 | 3 8 | 1 42 | 0 8 | 15 8 | 18 37 | 18 15 | 26 59 | 12 47 | 6 2 |
| T 18 | 23 31 | 4s 7 | 3 1 | 20 32 | 3 1 | 22 50 | 0 15 | 22 30 | 1 8 | 17 19 | 0 53 | 7 15 | 2 26 | 3 16 | 0 46 | 3 8 | 1 42 | 0 8 | 15 8 | 18 38 | 18 14 | 26 59 | 12 46 | 6 2 |
| W19 | 23 29 | 10 3 | 1 57 | 20 22 | 3 9 | 22 58 | 0 13 | 22 21 | 1 8 | 17 22 | 0 53 | 7 16 | 2 26 | 3 16 | 0 46 | 3 8 | 1 42 | 0 8 | 15 7 | 18 38 | 18 14 | 26 59 | 12 45 | 6 2 |
| T 20 | 23 27 | 15 42 | 0 44 | 20 15 | 3 15 | 23 6 | 0 10 | 22 12 | 1 8 | 17 25 | 0 53 | 7 17 | 2 27 | 3 16 | 0 46 | 3 9 | 1 42 | 0 8 | 15 7 | 18 38 | 18 13 | 26 59 | 12 44 | 6 1 |
| F 21 | 23 24 | 20 40 | 0s34 | 20 9 | 3 19 | 23 13 | 0 8 | 22 3 | 1 8 | 17 28 | 0 53 | 7 19 | 2 27 | 3 16 | 0 46 | 3 9 | 1 43 | 0 8 | 15 7 | 18 38 | 18 12 | 26 59 | 12 44 | 6 1 |
| S 22 | 23 21 | 24 28 | 1 52 | 20 6 | 3 20 | 23 19 | 0 5 | 21 54 | 1 8 | 17 31 | 0 53 | 7 20 | 2 27 | 3 16 | 0 46 | 3 9 | 1 43 | 0 7 | 15 7 | 18 38 | 18 11 | 26 59 | 12 43 | 6 1 |
| S 23 | 23 17 | 26 36 | 3 3 | 20 5 | 3 19 | 23 25 | 0 3 | 21 44 | 1 8 | 17 34 | 0 53 | 7 21 | 2 27 | 3 16 | 0 46 | 3 9 | 1 43 | 0 7 | 15 6 | 18 37 | 18 10 | 26 59 | 12 42 | 6 1 |
| M24 | 23 13 | 26 45 | 4 2 | 20 6 | 3 16 | 23 30 | 0 0 | 21 35 | 1 8 | 17 37 | 0 53 | 7 22 | 2 27 | 3 16 | 0 46 | 3 9 | 1 43 | 0 7 | 15 6 | 18 35 | 18 9 | 26 59 | 12 41 | 6 1 |
| T 25 | 23 9 | 24 52 | 4 44 | 20 9 | 3 12 | 23 34 | 0s 2 | 21 24 | 1 8 | 17 39 | 0 53 | 7 23 | 2 28 | 3 17 | 0 46 | 3 9 | 1 43 | 0 7 | 15 6 | 18 33 | 18 9 | 26 59 | 12 40 | 6 0 |
| W26 | 23 4 | 21 15 | 5 5 | 20 14 | 3 7 | 23 38 | 0 5 | 21 14 | 1 8 | 17 42 | 0 53 | 7 24 | 2 28 | 3 17 | 0 46 | 3 9 | 1 43 | 0 7 | 15 5 | 18 31 | 18 8 | 26 59 | 12 40 | 6 0 |
| T 27 | 22 58 | 16 22 | 5 5 | 20 20 | 3 0 | 23 40 | 0 7 | 21 4 | 1 8 | 17 45 | 0 53 | 7 25 | 2 28 | 3 17 | 0 46 | 3 10 | 1 43 | 0 7 | 15 5 | 18 30 | 18 7 | 26 59 | 12 39 | 6 0 |
| F 28 | 22 52 | 10 42 | 4 46 | 20 28 | 2 53 | 23 42 | 0 10 | 20 53 | 1 8 | 17 47 | 0 53 | 7 26 | 2 28 | 3 17 | 0 46 | 3 10 | 1 43 | 0 7 | 15 5 | 18 28 | 18 6 | 26 59 | 12 38 | 6 0 |
| S 29 | 22 46 | 4 42 | 4 11 | 20 37 | 2 45 | 23 44 | 0 12 | 20 42 | 1 7 | 17 50 | 0 53 | 7 27 | 2 29 | 3 17 | 0 46 | 3 10 | 1 43 | 0 6 | 15 4 | 18 27 | 18 5 | 26 59 | 12 37 | 6 0 |
| S 30 | 22 39 | 1n19 | 3 23 | 20 47 | 2 36 | 23 44 | 0 14 | 20 31 | 1 7 | 17 53 | 0 53 | 7 28 | 2 29 | 3 17 | 0 46 | 3 10 | 1 43 | 0 6 | 15 4 | 18 27 | 18 4 | 26 59 | 12 36 | 5 59 |
| M31 | 22s32 | 7n 5 | 2s26 | 20s57 | 2n27 | 23s44 | 0s17 | 20s19 | 1s 7 | 17s55 | 0n53 | 7s28 | 2n29 | 3n18 | 0n46 | 3s10 | 1n43 | 0s 6 | 15s 4 | 18n27 | 18n 4 | 26n58 | 12s35 | 5n59 |

Julian Day Number = 2133394.5, Delta T = 16m15s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'46, Lahiri = 11°42'46 Julian Calendar 1 Dec. 1128 == Greg. Calendar 8 Dec. 1128


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## JANUARY 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 7 23 | 17♉30'00 | 6♉32 | 24♐ 1 | 6♉26 | 5♒16 | 23♏51 | 25♎13 | 23°R31 | 11♎57 | 7°R48 | 22♉22 | 20♉49 | 12♋50 | 7♒59 | T 1 |
| W 2 | 7 11 20 | 18°31'04 | 18°47 | 24°38 | 7°41 | 6° 3 | 24° 1 | 25°16 | 23♍31 | 11°57 | 7♉47 | 22°R23 | 20°46 | 12°57 | 8° 4 | W 2 |
| T 3 | 7 15 16 | 19°32'07 | 0♊49 | 25°21 | 8°56 | 6°51 | 24°12 | 25°18 | 23°30 | 11°57 | 7°47 | 22°23 | 20°43 | 13° 3 | 8° 8 | T 3 |
| F 4 | 7 19 13 | 20°33'09 | 12°45 | 26° 7 | 10°12 | 7°38 | 24°22 | 25°21 | 23°29 | 11°57 | 7°47 | 22°21 | 20°40 | 13°10 | 8°12 | F 4 |
| S 5 | 7 23 9 | 21°34'10 | 24°35 | 26°58 | 11°27 | 8°26 | 24°32 | 25°23 | 23°28 | 11°57 | 7°47 | 22°16 | 20°37 | 13°17 | 8°17 | S 5 |
| S 6 | 7 27 6 | 22°35'10 | 6♋25 | 27°53 | 12°42 | 9°13 | 24°42 | 25°26 | 23°28 | 11°R57 | 7°46 | 22° 8 | 20°33 | 13°23 | 8°21 | S 6 |
| M 7 | 7 31 3 | 23°36'09 | 18°16 | 28°50 | 13°57 | 10° 0 | 24°51 | 25°28 | 23°27 | 11°57 | 7°46 | 21°58 | 20°30 | 13°30 | 8°26 | M 7 |
| T 8 | 7 34 59 | 24°37'07 | 0♌ 9 | 29°51 | 15°13 | 10°48 | 25° 1 | 25°30 | 23°26 | 11°57 | 7°46 | 21°46 | 20°27 | 13°37 | 8°30 | T 8 |
| W 9 | 7 38 56 | 25°38'04 | 12° 6 | 0♉54 | 16°28 | 11°35 | 25°11 | 25°32 | 23°25 | 11°57 | 7°46 | 21°33 | 20°24 | 13°44 | 8°35 | W 9 |
| T 10 | 7 42 52 | 26°39'01 | 24° 9 | 2° 0 | 17°43 | 12°23 | 25°20 | 25°34 | 23°24 | 11°57 | 7°46 | 21°20 | 20°21 | 13°50 | 8°39 | T 10 |
| F 11 | 7 46 49 | 27°39'56 | 6♍18 | 3° 8 | 18°59 | 13°10 | 25°29 | 25°35 | 23°23 | 11°57 | 7°46 | 21° 9 | 20°18 | 13°57 | 8°43 | F 11 |
| S 12 | 7 50 45 | 28°40'50 | 18°36 | 4°18 | 20°14 | 13°57 | 25°39 | 25°37 | 23°22 | 11°57 | 7°46 | 21° 0 | 20°14 | 14° 4 | 8°48 | S 12 |
| S 13 | 7 54 42 | 29°41'43 | 1♎ 4 | 5°30 | 21°29 | 14°45 | 25°48 | 25°39 | 23°21 | 11°57 | 7°46 | 20°54 | 20°11 | 14°10 | 8°52 | S 13 |
| M14 | 7 58 38 | 0♒42'36 | 13°47 | 6°43 | 22°44 | 15°32 | 25°57 | 25°40 | 23°19 | 11°56 | 7°45 | 20°50 | 20° 8 | 14°17 | 8°57 | M14 |
| T 15 | 8 2 35 | 1°43'27 | 26°47 | 7°59 | 23°59 | 16°20 | 26° 5 | 25°42 | 23°18 | 11°56 | 7°D45 | 20°D49 | 20° 5 | 14°24 | 9° 1 | T 15 |
| W16 | 8 6 32 | 2°44'18 | 10♏ 7 | 9°15 | 25°15 | 17° 7 | 26°14 | 25°43 | 23°17 | 11°56 | 7°45 | 20°49 | 20° 2 | 14°30 | 9° 6 | W16 |
| T 17 | 8 10 28 | 3°45'07 | 23°51 | 10°34 | 26°30 | 17°54 | 26°23 | 25°44 | 23°16 | 11°55 | 7°46 | 20°R49 | 19°58 | 14°37 | 9°10 | T 17 |
| F 18 | 8 14 25 | 4°45'56 | 8♐ 0 | 11°53 | 27°45 | 18°42 | 26°31 | 25°45 | 23°14 | 11°55 | 7°46 | 20°48 | 19°55 | 14°44 | 9°15 | F 18 |
| S 19 | 8 18 21 | 5°46'44 | 22°34 | 13°14 | 29° 0 | 19°29 | 26°40 | 25°46 | 23°13 | 11°55 | 7°46 | 20°45 | 19°52 | 14°50 | 9°19 | S 19 |
| S 20 | 8 22 18 | 6°47'31 | 7♑30 | 14°36 | 0♒16 | 20°17 | 26°48 | 25°47 | 23°11 | 11°54 | 7°46 | 20°39 | 19°49 | 14°57 | 9°24 | S 20 |
| M21 | 8 26 14 | 7°48'16 | 22°40 | 15°59 | 1°31 | 21° 4 | 26°56 | 25°48 | 23°10 | 11°54 | 7°46 | 20°30 | 19°46 | 15° 4 | 9°28 | M21 |
| T 22 | 8 30 11 | 8°49'01 | 7♒54 | 17°24 | 2°46 | 21°51 | 27° 4 | 25°48 | 23° 8 | 11°53 | 7°46 | 20°19 | 19°43 | 15°11 | 9°33 | T 22 |
| W23 | 8 34 7 | 9°49'43 | 23° 3 | 18°49 | 4° 1 | 22°39 | 27°12 | 25°49 | 23° 7 | 11°53 | 7°46 | 20° 7 | 19°39 | 15°17 | 9°37 | W23 |
| T 24 | 8 38 4 | 10°50'25 | 7♓54 | 20°15 | 5°16 | 23°26 | 27°20 | 25°49 | 23° 5 | 11°52 | 7°46 | 19°56 | 19°36 | 15°24 | 9°42 | T 24 |
| F 25 | 8 42 1 | 11°51'04 | 22°21 | 21°43 | 6°31 | 24°13 | 27°27 | 25°50 | 23° 3 | 11°52 | 7°47 | 19°47 | 19°33 | 15°31 | 9°46 | F 25 |
| S 26 | 8 45 57 | 12°51'42 | 6♈18 | 23°11 | 7°47 | 25° 0 | 27°35 | 25°50 | 23° 1 | 11°51 | 7°47 | 19°40 | 19°30 | 15°37 | 9°51 | S 26 |
| S 27 | 8 49 54 | 13°52'18 | 19°45 | 24°41 | 9° 2 | 25°48 | 27°42 | 25°50 | 23° 0 | 11°50 | 7°47 | 19°36 | 19°27 | 15°44 | 9°56 | S 27 |
| M28 | 8 53 50 | 14°52'52 | 2♉44 | 26°11 | 10°17 | 26°35 | 27°49 | 25°R50 | 22°58 | 11°50 | 7°47 | 19°34 | 19°24 | 15°51 | 10° 0 | M28 |
| T 29 | 8 57 47 | 15°53'24 | 15°18 | 27°42 | 11°32 | 27°22 | 27°56 | 25°50 | 22°56 | 11°49 | 7°48 | 19°34 | 19°20 | 15°57 | 10° 5 | T 29 |
| W30 | 9 1 43 | 16°53'54 | 27°33 | 29°15 | 12°47 | 28° 9 | 28° 3 | 25°50 | 22°54 | 11°48 | 7°48 | 19°34 | 19°17 | 16° 4 | 10° 9 | W30 |
| T 31 | 9 5 40 | 17♒54'23 | 9♊35 | 0♒48 | 14♒ 2 | 28♒57 | 28♏10 | 25♎49 | 22♍52 | 11♎47 | 7♉48 | 19♉33 | 19♉14 | 16♋11 | 10♒13 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s24 | 12n26 | 1s24 | 21s 8 | 2n17 | 23s43 | 0s19 | 20s 8 | 1s 7 | 17s58 | 0n53 | 7s29 | 2n29 | 3n18 | 0n46 | 3s10 | 1n43 | 0s 6 | 15s 3 | 18n27 | 18n 3 | 26n58 | 12s34 | 5n59 |
| W 2 | 22 16 | 17 11 | 0 19 | 21 19 | 2 8 | 23 41 | 0 22 | 19 56 | 1 7 | 18 0 | 0 53 | 7 30 | 2 30 | 3 18 | 0 47 | 3 10 | 1 43 | 0 6 | 15 3 | 18 27 | 18 2 | 26 58 | 12 33 | 5 59 |
| T 3 | 22 7 | 21 9 | 0n45 | 21 31 | 1 58 | 23 39 | 0 24 | 19 44 | 1 7 | 18 3 | 0 54 | 7 31 | 2 30 | 3 18 | 0 47 | 3 10 | 1 43 | 0 5 | 15 3 | 18 27 | 18 1 | 26 58 | 12 32 | 5 59 |
| F 4 | 21 58 | 24 12 | 1 47 | 21 42 | 1 48 | 23 36 | 0 26 | 19 31 | 1 7 | 18 5 | 0 54 | 7 31 | 2 30 | 3 19 | 0 47 | 3 10 | 1 43 | 0 5 | 15 2 | 18 27 | 18 0 | 26 58 | 12 31 | 5 59 |
| S 5 | 21 49 | 26 10 | 2 43 | 21 53 | 1 38 | 23 32 | 0 29 | 19 19 | 1 7 | 18 8 | 0 54 | 7 32 | 2 30 | 3 19 | 0 47 | 3 10 | 1 43 | 0 5 | 15 2 | 18 25 | 17 59 | 26 58 | 12 30 | 5 59 |
| S 6 | 21 39 | 26 56 | 3 32 | 22 4 | 1 28 | 23 27 | 0 31 | 19 6 | 1 6 | 18 10 | 0 54 | 7 32 | 2 31 | 3 19 | 0 47 | 3 10 | 1 44 | 0 5 | 15 2 | 18 23 | 17 58 | 26 58 | 12 29 | 5 59 |
| M 7 | 21 29 | 26 28 | 4 12 | 22 15 | 1 18 | 23 22 | 0 33 | 18 53 | 1 6 | 18 12 | 0 54 | 7 33 | 2 31 | 3 20 | 0 47 | 3 10 | 1 44 | 0 4 | 15 1 | 18 21 | 17 58 | 26 57 | 12 28 | 5 58 |
| T 8 | 21 18 | 24 48 | 4 41 | 22 25 | 1 8 | 23 16 | 0 35 | 18 40 | 1 6 | 18 14 | 0 54 | 7 34 | 2 31 | 3 20 | 0 47 | 3 10 | 1 44 | 0 4 | 15 1 | 18 18 | 17 57 | 26 57 | 12 27 | 5 58 |
| W 9 | 21 7 | 22 1 | 4 58 | 22 35 | 0 58 | 23 9 | 0 37 | 18 27 | 1 6 | 18 17 | 0 54 | 7 34 | 2 31 | 3 20 | 0 47 | 3 9 | 1 44 | 0 4 | 15 1 | 18 14 | 17 56 | 26 57 | 12 26 | 5 58 |
| T 10 | 20 56 | 18 16 | 5 2 | 22 44 | 0 49 | 23 2 | 0 40 | 18 13 | 1 6 | 18 19 | 0 54 | 7 34 | 2 32 | 3 21 | 0 47 | 3 9 | 1 44 | 0 3 | 15 1 | 18 11 | 17 55 | 26 57 | 12 25 | 5 58 |
| F 11 | 20 44 | 13 45 | 4 52 | 22 52 | 0 39 | 22 53 | 0 42 | 17 59 | 1 5 | 18 21 | 0 54 | 7 35 | 2 32 | 3 21 | 0 47 | 3 9 | 1 44 | 0 3 | 15 0 | 18 8 | 17 54 | 26 57 | 12 24 | 5 58 |
| S 12 | 20 31 | 8 39 | 4 28 | 22 59 | 0 30 | 22 45 | 0 44 | 17 46 | 1 5 | 18 23 | 0 54 | 7 35 | 2 32 | 3 22 | 0 47 | 3 9 | 1 44 | 0 3 | 15 0 | 18 6 | 17 53 | 26 56 | 12 23 | 5 58 |
| S 13 | 20 19 | 3 7 | 3 52 | 23 6 | 0 21 | 22 35 | 0 46 | 17 31 | 1 5 | 18 25 | 0 54 | 7 36 | 2 32 | 3 22 | 0 47 | 3 9 | 1 44 | 0 3 | 15 0 | 18 4 | 17 53 | 26 56 | 12 22 | 5 58 |
| M14 | 20 6 | 2s39 | 3 3 | 23 11 | 0 12 | 22 25 | 0 48 | 17 17 | 1 5 | 18 27 | 0 54 | 7 36 | 2 33 | 3 23 | 0 47 | 3 9 | 1 44 | 0 2 | 14 59 | 18 3 | 17 52 | 26 56 | 12 21 | 5 58 |
| T 15 | 19 52 | 8 27 | 2 4 | 23 16 | 0 3 | 22 14 | 0 50 | 17 3 | 1 5 | 18 29 | 0 54 | 7 36 | 2 33 | 3 23 | 0 47 | 3 9 | 1 44 | 0 2 | 14 59 | 18 3 | 17 51 | 26 56 | 12 20 | 5 58 |
| W16 | 19 38 | 14 2 | 0 56 | 23 19 | 0s 5 | 22 2 | 0 52 | 16 48 | 1 4 | 18 31 | 0 54 | 7 36 | 2 33 | 3 24 | 0 47 | 3 8 | 1 44 | 0 2 | 14 58 | 18 3 | 17 50 | 26 56 | 12 19 | 5 58 |
| T 17 | 19 24 | 19 5 | 0s16 | 23 22 | 0 14 | 21 50 | 0 54 | 16 33 | 1 4 | 18 33 | 0 54 | 7 37 | 2 34 | 3 24 | 0 47 | 3 8 | 1 44 | 0 1 | 14 58 | 18 3 | 17 49 | 26 55 | 12 18 | 5 58 |
| F 18 | 19 10 | 23 13 | 1 30 | 23 23 | 0 22 | 21 37 | 0 55 | 16 18 | 1 4 | 18 35 | 0 54 | 7 37 | 2 34 | 3 25 | 0 47 | 3 8 | 1 44 | 0 1 | 14 58 | 18 2 | 17 48 | 26 55 | 12 17 | 5 57 |
| S 19 | 18 55 | 26 0 | 2 40 | 23 23 | 0 30 | 21 23 | 0 57 | 16 3 | 1 4 | 18 37 | 0 54 | 7 37 | 2 34 | 3 26 | 0 47 | 3 8 | 1 44 | 0 1 | 14 57 | 18 1 | 17 47 | 26 55 | 12 16 | 5 57 |
| S 20 | 18 40 | 27 0 | 3 40 | 23 22 | 0 37 | 21 9 | 0 59 | 15 48 | 1 3 | 18 39 | 0 55 | 7 37 | 2 34 | 3 26 | 0 47 | 3 8 | 1 44 | 0 0 | 14 57 | 18 0 | 17 47 | 26 55 | 12 14 | 5 57 |
| M21 | 18 24 | 26 1 | 4 26 | 23 20 | 0 45 | 20 54 | 1 1 | 15 32 | 1 3 | 18 41 | 0 55 | 7 37 | 2 35 | 3 27 | 0 47 | 3 7 | 1 44 | 0n 0 | 14 57 | 17 58 | 17 46 | 26 54 | 12 13 | 5 57 |
| T 22 | 18 8 | 23 6 | 4 54 | 23 16 | 0 52 | 20 39 | 1 2 | 15 17 | 1 3 | 18 43 | 0 55 | 7 37 | 2 35 | 3 28 | 0 47 | 3 7 | 1 45 | 0 0 | 14 56 | 17 55 | 17 45 | 26 54 | 12 12 | 5 57 |
| W23 | 17 52 | 18 37 | 5 0 | 23 11 | 0 58 | 20 23 | 1 4 | 15 1 | 1 3 | 18 44 | 0 55 | 7 37 | 2 35 | 3 28 | 0 47 | 3 7 | 1 45 | 0 1 | 14 56 | 17 51 | 17 44 | 26 54 | 12 11 | 5 57 |
| T 24 | 17 36 | 13 4 | 4 46 | 23 5 | 1 5 | 20 6 | 1 5 | 14 45 | 1 2 | 18 46 | 0 55 | 7 37 | 2 35 | 3 29 | 0 47 | 3 7 | 1 45 | 0 1 | 14 56 | 17 48 | 17 43 | 26 53 | 12 10 | 5 57 |
| F 25 | 17 19 | 6 56 | 4 14 | 22 58 | 1 11 | 19 49 | 1 7 | 14 29 | 1 2 | 18 48 | 0 55 | 7 37 | 2 36 | 3 30 | 0 47 | 3 6 | 1 45 | 0 2 | 14 55 | 17 46 | 17 42 | 26 53 | 12 9 | 5 57 |
| S 26 | 17 2 | 0 40 | 3 27 | 22 49 | 1 17 | 19 31 | 1 8 | 14 13 | 1 2 | 18 49 | 0 55 | 7 36 | 2 36 | 3 30 | 0 47 | 3 6 | 1 45 | 0 2 | 14 55 | 17 44 | 17 41 | 26 53 | 12 7 | 5 57 |
| S 27 | 16 45 | 5n26 | 2 31 | 22 39 | 1 23 | 19 12 | 1 10 | 13 57 | 1 1 | 18 51 | 0 55 | 7 36 | 2 36 | 3 31 | 0 47 | 3 6 | 1 45 | 0 2 | 14 55 | 17 43 | 17 41 | 26 52 | 12 6 | 5 57 |
| M28 | 16 27 | 11 6 | 1 28 | 22 27 | 1 28 | 18 53 | 1 11 | 13 40 | 1 1 | 18 52 | 0 55 | 7 36 | 2 36 | 3 32 | 0 47 | 3 5 | 1 45 | 0 3 | 14 54 | 17 43 | 17 40 | 26 52 | 12 5 | 5 57 |
| T 29 | 16 9 | 16 9 | 0 23 | 22 15 | 1 33 | 18 34 | 1 12 | 13 24 | 1 1 | 18 54 | 0 55 | 7 36 | 2 37 | 3 33 | 0 47 | 3 5 | 1 45 | 0 3 | 14 54 | 17 42 | 17 39 | 26 52 | 12 4 | 5 57 |
| W30 | 15 51 | 20 24 | 0n42 | 22 0 | 1 38 | 18 14 | 1 14 | 13 7 | 1 1 | 18 55 | 0 55 | 7 35 | 2 37 | 3 33 | 0 47 | 3 5 | 1 45 | 0 4 | 14 54 | 17 42 | 17 38 | 26 51 | 12 3 | 5 57 |
| T 31 | 15s32 | 23n42 | 1n44 | 21s44 | 1s42 | 17s53 | 1s15 | 12s50 | 1s 0 | 18s57 | 0n55 | 7s35 | 2n37 | 3n34 | 0n47 | 3s 4 | 1n45 | 0n 4 | 14s53 | 17n42 | 17n37 | 26n51 | 12s 2 | 5n57 |

Julian Day Number = 2133425.5, Delta T = 16m15s
Ecliptic obliquity = 23°33'13, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'50, Lahiri = 11°42'50 Julian Calendar 1 Jan. 1129 == Greg. Calendar 8 Jan. 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## FEBRUARY 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 9 36 | 18♒54'50 | 21♊28 | 2♒22 | 15♒17 | 29♒44 | 28♏16 | 25°R49 | 22°R50 | 11°R46 | 7♉49 | 19°R30 | 19♉11 | 16♋18 | 10♒18 | F 1 |
| S 2 | 9 13 33 | 19°55'15 | 3♋17 | 3°57 | 16°32 | 0♓31 | 28°23 | 25♎48 | 22♍48 | 11♎46 | 7°49 | 19♉24 | 19° 8 | 16°24 | 10°22 | S 2 |
| S 3 | 9 17 30 | 20°55'38 | 15° 6 | 5°33 | 17°47 | 1°18 | 28°29 | 25°48 | 22°46 | 11°45 | 7°49 | 19°15 | 19° 4 | 16°31 | 10°27 | S 3 |
| M 4 | 9 21 26 | 21°55'59 | 26°58 | 7°10 | 19° 2 | 2° 5 | 28°35 | 25°47 | 22°44 | 11°44 | 7°50 | 19° 4 | 19° 1 | 16°38 | 10°31 | M 4 |
| T 5 | 9 25 23 | 22°56'18 | 8♌56 | 8°48 | 20°17 | 2°52 | 28°41 | 25°46 | 22°42 | 11°43 | 7°50 | 18°50 | 18°58 | 16°44 | 10°36 | T 5 |
| W 6 | 9 29 19 | 23°56'35 | 21° 2 | 10°27 | 21°32 | 3°39 | 28°47 | 25°45 | 22°40 | 11°42 | 7°51 | 18°36 | 18°55 | 16°51 | 10°40 | W 6 |
| T 7 | 9 33 16 | 24°56'51 | 3♍15 | 12° 7 | 22°47 | 4°26 | 28°53 | 25°44 | 22°38 | 11°41 | 7°51 | 18°21 | 18°52 | 16°58 | 10°45 | T 7 |
| F 8 | 9 37 12 | 25°57'04 | 15°37 | 13°48 | 24° 2 | 5°13 | 28°58 | 25°43 | 22°35 | 11°40 | 7°52 | 18° 8 | 18°49 | 17° 5 | 10°49 | F 8 |
| S 9 | 9 41 9 | 26°57'16 | 28° 9 | 15°30 | 25°17 | 6° 0 | 29° 4 | 25°42 | 22°33 | 11°39 | 7°52 | 17°58 | 18°45 | 17°11 | 10°53 | S 9 |
| S 10 | 9 45 5 | 27°57'26 | 10♎50 | 17°13 | 26°32 | 6°47 | 29° 9 | 25°41 | 22°31 | 11°38 | 7°53 | 17°50 | 18°42 | 17°18 | 10°58 | S 10 |
| M11 | 9 49 2 | 28°57'35 | 23°43 | 18°57 | 27°47 | 7°34 | 29°14 | 25°39 | 22°29 | 11°37 | 7°53 | 17°46 | 18°39 | 17°25 | 11° 2 | M11 |
| T 12 | 9 52 59 | 29°57'42 | 6♏49 | 20°42 | 29° 2 | 8°21 | 29°19 | 25°38 | 22°26 | 11°36 | 7°54 | 17°44 | 18°36 | 17°31 | 11° 6 | T 12 |
| W13 | 9 56 55 | 0♓57'47 | 20°11 | 22°28 | 0♓17 | 9° 8 | 29°23 | 25°36 | 22°24 | 11°35 | 7°55 | 17°D43 | 18°33 | 17°38 | 11°11 | W13 |
| T 14 | 10 0 52 | 1°57'51 | 3♐50 | 24°15 | 1°32 | 9°55 | 29°28 | 25°34 | 22°22 | 11°33 | 7°55 | 17°R43 | 18°30 | 17°45 | 11°15 | T 14 |
| F 15 | 10 4 48 | 2°57'54 | 17°47 | 26° 3 | 2°46 | 10°41 | 29°32 | 25°33 | 22°19 | 11°32 | 7°56 | 17°43 | 18°26 | 17°51 | 11°19 | F 15 |
| S 16 | 10 8 45 | 3°57'54 | 2♑ 5 | 27°53 | 4° 1 | 11°28 | 29°37 | 25°31 | 22°17 | 11°31 | 7°57 | 17°40 | 18°23 | 17°58 | 11°24 | S 16 |
| S 17 | 10 12 41 | 4°57'53 | 16°39 | 29°43 | 5°16 | 12°15 | 29°41 | 25°29 | 22°14 | 11°30 | 7°57 | 17°35 | 18°20 | 18° 5 | 11°28 | S 17 |
| M18 | 10 16 38 | 5°57'51 | 1♒27 | 1♓35 | 6°31 | 13° 2 | 29°44 | 25°27 | 22°12 | 11°29 | 7°58 | 17°27 | 18°17 | 18°12 | 11°32 | M18 |
| T 19 | 10 20 34 | 6°57'46 | 16°21 | 3°28 | 7°46 | 13°48 | 29°48 | 25°25 | 22° 9 | 11°27 | 7°59 | 17°17 | 18°14 | 18°18 | 11°36 | T 19 |
| W20 | 10 24 31 | 7°57'40 | 1♓13 | 5°22 | 9° 1 | 14°35 | 29°52 | 25°22 | 22° 7 | 11°26 | 7°59 | 17° 6 | 18°10 | 18°25 | 11°40 | W20 |
| T 21 | 10 28 28 | 8°57'31 | 15°54 | 7°17 | 10°15 | 15°22 | 29°55 | 25°20 | 22° 4 | 11°25 | 8° 0 | 16°56 | 18° 7 | 18°32 | 11°44 | T 21 |
| F 22 | 10 32 24 | 9°57'21 | 0♈16 | 9°12 | 11°30 | 16° 8 | 29°58 | 25°17 | 22° 2 | 11°23 | 8° 1 | 16°47 | 18° 4 | 18°38 | 11°49 | F 22 |
| S 23 | 10 36 21 | 10°57'08 | 14°13 | 11° 9 | 12°45 | 16°55 | 0♐ 1 | 25°15 | 21°59 | 11°22 | 8° 2 | 16°40 | 18° 1 | 18°45 | 11°53 | S 23 |
| S 24 | 10 40 17 | 11°56'53 | 27°43 | 13° 7 | 14° 0 | 17°41 | 0° 4 | 25°12 | 21°57 | 11°21 | 8° 3 | 16°36 | 17°58 | 18°52 | 11°57 | S 24 |
| M25 | 10 44 14 | 12°56'36 | 10♉46 | 15° 6 | 15°14 | 18°28 | 0° 6 | 25°10 | 21°54 | 11°19 | 8° 3 | 16°D34 | 17°55 | 18°58 | 12° 1 | M25 |
| T 26 | 10 48 10 | 13°56'17 | 23°25 | 17° 5 | 16°29 | 19°14 | 0° 9 | 25° 7 | 21°52 | 11°18 | 8° 4 | 16°34 | 17°51 | 19° 5 | 12° 5 | T 26 |
| W27 | 10 52 7 | 14°55'55 | 5♊45 | 19° 5 | 17°44 | 20° 1 | 0°11 | 25° 4 | 21°49 | 11°17 | 8° 5 | 16°35 | 17°48 | 19°12 | 12° 9 | W27 |
| T 28 | 10 56 3 | 15♓55'31 | 17♊49 | 21♓ 5 | 18♓58 | 20♓47 | 0♐13 | 25♎ 1 | 21♍47 | 11♎15 | 8♉ 6 | 16°R35 | 17♉45 | 19♋19 | 12♒13 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s14 | 25n56 | 2n40 | 21s27 | 1s46 | 17s32 | 1s16 | 12s33 | 1s 0 | 18s58 | 0n55 | 7s35 | 2n37 | 3n35 | 0n47 | 3s 4 | 1n45 | 0n 4 | 14s53 | 17n41 | 17n36 | 26n51 | 12s 0 | 5n57 |
| S 2 | 14 55 | 27 0 | 3 29 | 21 9 | 1 50 | 17 11 | 1 17 | 12 16 | 1 0 | 19 0 | 0 56 | 7 34 | 2 38 | 3 36 | 0 48 | 3 4 | 1 45 | 0 5 | 14 53 | 17 40 | 17 35 | 26 50 | 11 59 | 5 57 |
| S 3 | 14 35 | 26 49 | 4 9 | 20 49 | 1 54 | 16 49 | 1 18 | 11 59 | 0 59 | 19 1 | 0 56 | 7 34 | 2 38 | 3 37 | 0 48 | 3 3 | 1 45 | 0 5 | 14 52 | 17 37 | 17 34 | 26 50 | 11 58 | 5 57 |
| M 4 | 14 16 | 25 24 | 4 38 | 20 27 | 1 57 | 16 26 | 1 19 | 11 42 | 0 59 | 19 2 | 0 56 | 7 33 | 2 38 | 3 37 | 0 48 | 3 3 | 1 45 | 0 6 | 14 52 | 17 34 | 17 34 | 26 50 | 11 57 | 5 58 |
| T 5 | 13 56 | 22 51 | 4 55 | 20 4 | 1 59 | 16 3 | 1 20 | 11 25 | 0 59 | 19 3 | 0 56 | 7 33 | 2 38 | 3 38 | 0 48 | 3 2 | 1 45 | 0 6 | 14 52 | 17 30 | 17 33 | 26 49 | 11 55 | 5 58 |
| W 6 | 13 36 | 19 16 | 4 59 | 19 39 | 2 2 | 15 40 | 1 21 | 11 7 | 0 58 | 19 5 | 0 56 | 7 32 | 2 39 | 3 39 | 0 48 | 3 2 | 1 45 | 0 7 | 14 52 | 17 26 | 17 32 | 26 49 | 11 54 | 5 58 |
| T 7 | 13 16 | 14 51 | 4 49 | 19 13 | 2 4 | 15 16 | 1 21 | 10 50 | 0 58 | 19 6 | 0 56 | 7 32 | 2 39 | 3 40 | 0 48 | 3 2 | 1 45 | 0 7 | 14 51 | 17 22 | 17 31 | 26 48 | 11 53 | 5 58 |
| F 8 | 12 56 | 9 47 | 4 26 | 18 46 | 2 5 | 14 52 | 1 22 | 10 32 | 0 57 | 19 7 | 0 56 | 7 31 | 2 39 | 3 41 | 0 48 | 3 1 | 1 45 | 0 7 | 14 51 | 17 19 | 17 30 | 26 48 | 11 52 | 5 58 |
| S 9 | 12 35 | 4 15 | 3 50 | 18 17 | 2 6 | 14 27 | 1 23 | 10 14 | 0 57 | 19 8 | 0 56 | 7 30 | 2 39 | 3 42 | 0 48 | 3 1 | 1 45 | 0 8 | 14 51 | 17 16 | 17 29 | 26 48 | 11 50 | 5 58 |
| S 10 | 12 14 | 1s32 | 3 2 | 17 46 | 2 7 | 14 2 | 1 23 | 9 56 | 0 57 | 19 9 | 0 56 | 7 30 | 2 40 | 3 43 | 0 48 | 3 0 | 1 46 | 0 8 | 14 50 | 17 14 | 17 28 | 26 47 | 11 49 | 5 58 |
| M11 | 11 53 | 7 21 | 2 3 | 17 14 | 2 7 | 13 37 | 1 24 | 9 38 | 0 56 | 19 10 | 0 56 | 7 29 | 2 40 | 3 44 | 0 48 | 3 0 | 1 46 | 0 9 | 14 50 | 17 12 | 17 27 | 26 47 | 11 48 | 5 58 |
| T 12 | 11 32 | 12 57 | 0 57 | 16 40 | 2 7 | 13 11 | 1 24 | 9 21 | 0 56 | 19 11 | 0 56 | 7 28 | 2 40 | 3 45 | 0 48 | 2 59 | 1 46 | 0 9 | 14 50 | 17 12 | 17 27 | 26 46 | 11 47 | 5 58 |
| W13 | 11 11 | 18 5 | 0s13 | 16 5 | 2 6 | 12 45 | 1 25 | 9 2 | 0 56 | 19 12 | 0 57 | 7 27 | 2 40 | 3 46 | 0 48 | 2 59 | 1 46 | 0 10 | 14 49 | 17 12 | 17 26 | 26 46 | 11 45 | 5 58 |
| T 14 | 10 50 | 22 24 | 1 24 | 15 28 | 2 5 | 12 18 | 1 25 | 8 44 | 0 55 | 19 13 | 0 57 | 7 27 | 2 41 | 3 47 | 0 48 | 2 58 | 1 46 | 0 10 | 14 49 | 17 12 | 17 25 | 26 45 | 11 44 | 5 58 |
| F 15 | 10 28 | 25 31 | 2 32 | 14 50 | 2 4 | 11 52 | 1 25 | 8 26 | 0 55 | 19 14 | 0 57 | 7 26 | 2 41 | 3 48 | 0 48 | 2 58 | 1 46 | 0 11 | 14 49 | 17 12 | 17 24 | 26 45 | 11 43 | 5 58 |
| S 16 | 10 6 | 27 4 | 3 32 | 14 10 | 2 2 | 11 25 | 1 26 | 8 8 | 0 54 | 19 14 | 0 57 | 7 25 | 2 41 | 3 48 | 0 48 | 2 57 | 1 46 | 0 11 | 14 48 | 17 11 | 17 23 | 26 44 | 11 42 | 5 59 |
| S 17 | 9 44 | 26 48 | 4 19 | 13 29 | 1 59 | 10 57 | 1 26 | 7 50 | 0 54 | 19 15 | 0 57 | 7 24 | 2 41 | 3 49 | 0 48 | 2 57 | 1 46 | 0 12 | 14 48 | 17 9 | 17 22 | 26 44 | 11 40 | 5 59 |
| M18 | 9 22 | 24 39 | 4 50 | 12 46 | 1 56 | 10 29 | 1 26 | 7 31 | 0 53 | 19 16 | 0 57 | 7 23 | 2 41 | 3 50 | 0 48 | 2 56 | 1 46 | 0 12 | 14 48 | 17 7 | 17 21 | 26 43 | 11 39 | 5 59 |
| T 19 | 9 0 | 20 48 | 5 2 | 12 2 | 1 53 | 10 1 | 1 26 | 7 13 | 0 53 | 19 17 | 0 57 | 7 22 | 2 42 | 3 51 | 0 48 | 2 56 | 1 46 | 0 13 | 14 48 | 17 4 | 17 20 | 26 43 | 11 38 | 5 59 |
| W20 | 8 37 | 15 38 | 4 53 | 11 16 | 1 49 | 9 33 | 1 26 | 6 54 | 0 53 | 19 17 | 0 57 | 7 21 | 2 42 | 3 52 | 0 48 | 2 55 | 1 46 | 0 13 | 14 47 | 17 1 | 17 19 | 26 42 | 11 37 | 5 59 |
| T 21 | 8 15 | 9 39 | 4 24 | 10 29 | 1 44 | 9 5 | 1 26 | 6 36 | 0 52 | 19 18 | 0 57 | 7 20 | 2 42 | 3 53 | 0 48 | 2 55 | 1 46 | 0 14 | 14 47 | 16 58 | 17 19 | 26 42 | 11 35 | 5 59 |
| F 22 | 7 52 | 3 15 | 3 40 | 9 41 | 1 39 | 8 36 | 1 26 | 6 17 | 0 52 | 19 18 | 0 57 | 7 19 | 2 42 | 3 54 | 0 48 | 2 54 | 1 46 | 0 14 | 14 47 | 16 56 | 17 18 | 26 41 | 11 34 | 5 59 |
| S 23 | 7 30 | 3n 8 | 2 43 | 8 51 | 1 33 | 8 7 | 1 25 | 5 59 | 0 51 | 19 19 | 0 57 | 7 18 | 2 43 | 3 55 | 0 48 | 2 54 | 1 46 | 0 15 | 14 46 | 16 54 | 17 17 | 26 41 | 11 33 | 6 0 |
| S 24 | 7 7 | 9 10 | 1 39 | 8 0 | 1 27 | 7 38 | 1 25 | 5 40 | 0 51 | 19 19 | 0 58 | 7 16 | 2 43 | 3 56 | 0 48 | 2 53 | 1 46 | 0 15 | 14 46 | 16 53 | 17 16 | 26 40 | 11 32 | 6 0 |
| M25 | 6 44 | 14 38 | 0 31 | 7 7 | 1 20 | 7 9 | 1 25 | 5 21 | 0 50 | 19 20 | 0 58 | 7 15 | 2 43 | 3 57 | 0 48 | 2 52 | 1 46 | 0 16 | 14 46 | 16 52 | 17 15 | 26 40 | 11 30 | 6 0 |
| T 26 | 6 21 | 19 18 | 0n37 | 6 14 | 1 12 | 6 39 | 1 24 | 5 3 | 0 50 | 19 20 | 0 58 | 7 14 | 2 43 | 3 58 | 0 48 | 2 52 | 1 46 | 0 16 | 14 46 | 16 52 | 17 14 | 26 39 | 11 29 | 6 0 |
| W27 | 5 58 | 23 1 | 1 41 | 5 20 | 1 4 | 6 9 | 1 24 | 4 44 | 0 49 | 19 21 | 0 58 | 7 13 | 2 43 | 4 0 | 0 48 | 2 51 | 1 46 | 0 17 | 14 45 | 16 52 | 17 13 | 26 39 | 11 28 | 6 0 |
| T 28 | 5s35 | 25n38 | 2n39 | 4s24 | 0s56 | 5s39 | 1s23 | 4s25 | 0s49 | 19s21 | 0n58 | 7s12 | 2n43 | 4n 1 | 0n48 | 2s51 | 1n46 | 0n17 | 14s45 | 16n53 | 17n12 | 26n38 | 11s27 | 6n 0 |

Julian Day Number = 2133456.5, Delta T = 16m15s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'54, Lahiri = 11°42'55 Julian Calendar 1 Feb. 1129 == Greg. Calendar 8 Feb. 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## MARCH 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 0 0 | 16♓55'05 | 29♊44 | 23♓ 5 | 20♓13 | 21♓33 | 0♐15 | 24°R58 | 21°R44 | 11°R14 | 8♉ 7 | 16°R34 | 17♉42 | 19♋25 | 12♒17 | F 1 |
| S 2 | 11 3 57 | 17°54'37 | 11♋35 | 25° 6 | 21°28 | 22°20 | 0°17 | 24♎55 | 21♍41 | 11♎12 | 8° 8 | 16♉31 | 17°39 | 19°32 | 12°20 | S 2 |
| S 3 | 11 7 53 | 18°54'06 | 23°25 | 27° 6 | 22°42 | 23° 6 | 0°18 | 24°52 | 21°39 | 11°11 | 8° 9 | 16°26 | 17°36 | 19°39 | 12°24 | S 3 |
| M 4 | 11 11 50 | 19°53'33 | 5♌21 | 29° 6 | 23°57 | 23°52 | 0°19 | 24°49 | 21°36 | 11° 9 | 8°10 | 16°18 | 17°32 | 19°45 | 12°28 | M 4 |
| T 5 | 11 15 46 | 20°52'57 | 17°24 | 1♈ 4 | 25°11 | 24°38 | 0°21 | 24°45 | 21°34 | 11° 8 | 8°11 | 16° 9 | 17°29 | 19°52 | 12°32 | T 5 |
| W 6 | 11 19 43 | 21°52'20 | 29°37 | 3° 2 | 26°26 | 25°24 | 0°22 | 24°42 | 21°31 | 11° 6 | 8°12 | 15°59 | 17°26 | 19°59 | 12°36 | W 6 |
| T 7 | 11 23 39 | 22°51'40 | 12♍ 2 | 4°58 | 27°40 | 26°10 | 0°22 | 24°38 | 21°28 | 11° 5 | 8°13 | 15°49 | 17°23 | 20° 6 | 12°39 | T 7 |
| F 8 | 11 27 36 | 23°50'58 | 24°40 | 6°52 | 28°55 | 26°57 | 0°23 | 24°35 | 21°26 | 11° 3 | 8°14 | 15°39 | 17°20 | 20°12 | 12°43 | F 8 |
| S 9 | 11 31 32 | 24°50'13 | 7♎29 | 8°44 | 0♈ 9 | 27°43 | 0°23 | 24°31 | 21°23 | 11° 2 | 8°15 | 15°32 | 17°16 | 20°19 | 12°46 | S 9 |
| S 10 | 11 35 29 | 25°49'27 | 20°31 | 10°33 | 1°24 | 28°28 | 0°23 | 24°28 | 21°21 | 11° 0 | 8°16 | 15°27 | 17°13 | 20°26 | 12°50 | S 10 |
| M11 | 11 39 25 | 26°48'39 | 3♏44 | 12°19 | 2°38 | 29°14 | 0°R23 | 24°24 | 21°18 | 10°58 | 8°17 | 15°24 | 17°10 | 20°32 | 12°54 | M11 |
| T 12 | 11 43 22 | 27°47'49 | 17° 8 | 14° 2 | 3°53 | 0♈ 0 | 0°23 | 24°20 | 21°16 | 10°57 | 8°18 | 15°D24 | 17° 7 | 20°39 | 12°57 | T 12 |
| W13 | 11 47 19 | 28°46'57 | 0♐44 | 15°40 | 5° 7 | 0°46 | 0°23 | 24°16 | 21°13 | 10°55 | 8°19 | 15°24 | 17° 4 | 20°46 | 13° 1 | W13 |
| T 14 | 11 51 15 | 29°46'04 | 14°31 | 17°14 | 6°21 | 1°32 | 0°22 | 24°12 | 21°10 | 10°54 | 8°20 | 15°26 | 17° 1 | 20°52 | 13° 4 | T 14 |
| F 15 | 11 55 12 | 0♈45'08 | 28°29 | 18°44 | 7°36 | 2°18 | 0°22 | 24° 9 | 21° 8 | 10°52 | 8°21 | 15°R26 | 16°57 | 20°59 | 13° 7 | F 15 |
| S 16 | 11 59 8 | 1°44'11 | 12♑38 | 20° 8 | 8°50 | 3° 3 | 0°21 | 24° 5 | 21° 5 | 10°50 | 8°22 | 15°26 | 16°54 | 21° 6 | 13°11 | S 16 |
| S 17 | 12 3 5 | 2°43'13 | 26°56 | 21°28 | 10° 4 | 3°49 | 0°20 | 24° 1 | 21° 3 | 10°49 | 8°23 | 15°24 | 16°51 | 21°13 | 13°14 | S 17 |
| M18 | 12 7 1 | 3°42'12 | 11♒21 | 22°41 | 11°19 | 4°35 | 0°18 | 23°56 | 21° 0 | 10°47 | 8°24 | 15°20 | 16°48 | 21°19 | 13°17 | M18 |
| T 19 | 12 10 58 | 4°41'09 | 25°49 | 23°49 | 12°33 | 5°20 | 0°17 | 23°52 | 20°58 | 10°46 | 8°26 | 15°14 | 16°45 | 21°26 | 13°21 | T 19 |
| W20 | 12 14 54 | 5°40'05 | 10♓13 | 24°52 | 13°47 | 6° 6 | 0°15 | 23°48 | 20°55 | 10°44 | 8°27 | 15° 8 | 16°41 | 21°33 | 13°24 | W20 |
| T 21 | 12 18 51 | 6°38'59 | 24°29 | 25°48 | 15° 2 | 6°51 | 0°13 | 23°44 | 20°53 | 10°42 | 8°28 | 15° 2 | 16°38 | 21°39 | 13°27 | T 21 |
| F 22 | 12 22 48 | 7°37'50 | 8♈30 | 26°38 | 16°16 | 7°37 | 0°11 | 23°40 | 20°50 | 10°41 | 8°29 | 14°56 | 16°35 | 21°46 | 13°30 | F 22 |
| S 23 | 12 26 44 | 8°36'40 | 22°13 | 27°22 | 17°30 | 8°22 | 0° 9 | 23°35 | 20°48 | 10°39 | 8°30 | 14°53 | 16°32 | 21°53 | 13°33 | S 23 |
| S 24 | 12 30 41 | 9°35'27 | 5♉35 | 27°59 | 18°44 | 9° 7 | 0° 7 | 23°31 | 20°45 | 10°37 | 8°31 | 14°51 | 16°29 | 22° 0 | 13°36 | S 24 |
| M25 | 12 34 37 | 10°34'13 | 18°35 | 28°30 | 19°58 | 9°53 | 0° 4 | 23°27 | 20°43 | 10°36 | 8°33 | 14°D50 | 16°26 | 22° 6 | 13°39 | M25 |
| T 26 | 12 38 34 | 11°32'56 | 1♊14 | 28°55 | 21°12 | 10°38 | 0° 1 | 23°22 | 20°41 | 10°34 | 8°34 | 14°51 | 16°22 | 22°13 | 13°42 | T 26 |
| W27 | 12 42 30 | 12°31'37 | 13°35 | 29°13 | 22°27 | 11°23 | 29♏58 | 23°18 | 20°38 | 10°32 | 8°35 | 14°53 | 16°19 | 22°20 | 13°45 | W27 |
| T 28 | 12 46 27 | 13°30'16 | 25°42 | 29°25 | 23°41 | 12° 8 | 29°55 | 23°14 | 20°36 | 10°31 | 8°36 | 14°55 | 16°16 | 22°26 | 13°47 | T 28 |
| F 29 | 12 50 23 | 14°28'53 | 7♋40 | 29°R31 | 24°55 | 12°53 | 29°52 | 23° 9 | 20°34 | 10°29 | 8°38 | 14°56 | 16°13 | 22°33 | 13°50 | F 29 |
| S 30 | 12 54 20 | 15°27'27 | 19°32 | 29°31 | 26° 9 | 13°39 | 29°48 | 23° 5 | 20°31 | 10°27 | 8°39 | 14°R56 | 16°10 | 22°40 | 13°53 | S 30 |
| S 31 | 12 58 17 | 16♈25'59 | 1♌25 | 29♈25 | 27♈23 | 14♈24 | 29♏45 | 23♎ 0 | 20♍29 | 10♎26 | 8♉40 | 14♉55 | 16♉ 7 | 22♋47 | 13♒55 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s11 | 27n 2 | 3n29 | 3s28 | 0s46 | 5s 9 | 1s23 | 4s 6 | 0s49 | 19s21 | 0n58 | 7s10 | 2n44 | 4n 2 | 0n48 | 2s50 | 1n46 | 0n18 | 14s45 | 16n52 | 17n11 | 26n38 | 11s25 | 6n 1 |
| S 2 | 4 48 | 27 12 | 4 10 | 2 31 | 0 37 | 4 39 | 1 22 | 3 48 | 0 48 | 19 22 | 0 58 | 7 9 | 2 44 | 4 3 | 0 48 | 2 49 | 1 46 | 0 18 | 14 44 | 16 51 | 17 11 | 26 37 | 11 24 | 6 1 |
| S 3 | 4 25 | 26 7 | 4 41 | 1 34 | 0 27 | 4 9 | 1 21 | 3 29 | 0 48 | 19 22 | 0 58 | 7 8 | 2 44 | 4 4 | 0 48 | 2 49 | 1 46 | 0 19 | 14 44 | 16 50 | 17 10 | 26 36 | 11 23 | 6 1 |
| M 4 | 4 1 | 23 51 | 4 59 | 0 36 | 0 16 | 3 39 | 1 20 | 3 10 | 0 47 | 19 22 | 0 58 | 7 6 | 2 44 | 4 5 | 0 48 | 2 48 | 1 46 | 0 19 | 14 44 | 16 48 | 17 9 | 26 36 | 11 22 | 6 1 |
| T 5 | 3 38 | 20 31 | 5 5 | 0n21 | 0 5 | 3 8 | 1 19 | 2 51 | 0 47 | 19 22 | 0 58 | 7 5 | 2 44 | 4 6 | 0 48 | 2 48 | 1 46 | 0 20 | 14 44 | 16 45 | 17 8 | 26 35 | 11 20 | 6 1 |
| W 6 | 3 14 | 16 17 | 4 56 | 1 19 | 0n 6 | 2 38 | 1 19 | 2 32 | 0 46 | 19 22 | 0 58 | 7 4 | 2 45 | 4 7 | 0 48 | 2 47 | 1 46 | 0 21 | 14 43 | 16 42 | 17 7 | 26 35 | 11 19 | 6 2 |
| T 7 | 2 51 | 11 18 | 4 34 | 2 16 | 0 18 | 2 7 | 1 18 | 2 13 | 0 46 | 19 22 | 0 58 | 7 2 | 2 45 | 4 8 | 0 48 | 2 46 | 1 46 | 0 21 | 14 43 | 16 39 | 17 6 | 26 34 | 11 18 | 6 2 |
| F 8 | 2 27 | 5 46 | 3 58 | 3 12 | 0 30 | 1 36 | 1 17 | 1 55 | 0 45 | 19 22 | 0 59 | 7 1 | 2 45 | 4 9 | 0 48 | 2 46 | 1 46 | 0 22 | 14 43 | 16 36 | 17 5 | 26 33 | 11 17 | 6 2 |
| S 9 | 2 4 | 0s 5 | 3 9 | 4 7 | 0 42 | 1 5 | 1 15 | 1 36 | 0 45 | 19 22 | 0 59 | 6 59 | 2 45 | 4 10 | 0 48 | 2 45 | 1 46 | 0 22 | 14 43 | 16 34 | 17 4 | 26 33 | 11 16 | 6 2 |
| S 10 | 1 40 | 6 3 | 2 10 | 5 2 | 0 54 | 0 35 | 1 14 | 1 17 | 0 44 | 19 22 | 0 59 | 6 58 | 2 45 | 4 11 | 0 48 | 2 44 | 1 47 | 0 23 | 14 43 | 16 33 | 17 3 | 26 32 | 11 14 | 6 3 |
| M11 | 1 16 | 11 51 | 1 2 | 5 54 | 1 6 | 0 4 | 1 13 | 0 58 | 0 44 | 19 22 | 0 59 | 6 56 | 2 45 | 4 12 | 0 48 | 2 44 | 1 47 | 0 23 | 14 42 | 16 32 | 17 2 | 26 31 | 11 13 | 6 3 |
| T 12 | 0 53 | 17 11 | 0s 9 | 6 45 | 1 18 | 0n27 | 1 12 | 0 39 | 0 43 | 19 22 | 0 59 | 6 55 | 2 45 | 4 13 | 0 48 | 2 43 | 1 47 | 0 24 | 14 42 | 16 32 | 17 2 | 26 31 | 11 12 | 6 3 |
| W13 | 0 29 | 21 44 | 1 22 | 7 35 | 1 30 | 0 58 | 1 11 | 0 21 | 0 43 | 19 22 | 0 59 | 6 53 | 2 46 | 4 14 | 0 48 | 2 43 | 1 47 | 0 24 | 14 42 | 16 32 | 17 1 | 26 30 | 11 11 | 6 3 |
| T 14 | 0 6 | 25 9 | 2 31 | 8 22 | 1 42 | 1 29 | 1 9 | 0 2 | 0 42 | 19 22 | 0 59 | 6 52 | 2 46 | 4 15 | 0 48 | 2 42 | 1 47 | 0 25 | 14 42 | 16 32 | 17 0 | 26 29 | 11 10 | 6 4 |
| F 15 | 0n18 | 27 4 | 3 31 | 9 6 | 1 53 | 2 0 | 1 8 | 0n17 | 0 41 | 19 22 | 0 59 | 6 50 | 2 46 | 4 16 | 0 48 | 2 41 | 1 47 | 0 25 | 14 41 | 16 33 | 16 59 | 26 29 | 11 8 | 6 4 |
| S 16 | 0 42 | 27 16 | 4 20 | 9 49 | 2 3 | 2 30 | 1 6 | 0 36 | 0 41 | 19 21 | 0 59 | 6 49 | 2 46 | 4 17 | 0 48 | 2 41 | 1 47 | 0 26 | 14 41 | 16 32 | 16 58 | 26 28 | 11 7 | 6 4 |
| S 17 | 1 5 | 25 40 | 4 53 | 10 28 | 2 14 | 3 1 | 1 5 | 0 54 | 0 40 | 19 21 | 0 59 | 6 47 | 2 46 | 4 18 | 0 48 | 2 40 | 1 47 | 0 26 | 14 41 | 16 32 | 16 57 | 26 27 | 11 6 | 6 4 |
| M18 | 1 29 | 22 23 | 5 8 | 11 5 | 2 23 | 3 32 | 1 3 | 1 13 | 0 40 | 19 21 | 0 59 | 6 46 | 2 46 | 4 19 | 0 48 | 2 39 | 1 47 | 0 27 | 14 41 | 16 31 | 16 56 | 26 27 | 11 5 | 6 5 |
| T 19 | 1 52 | 17 44 | 5 4 | 11 38 | 2 32 | 4 2 | 1 1 | 1 32 | 0 39 | 19 20 | 0 59 | 6 44 | 2 46 | 4 20 | 0 48 | 2 39 | 1 47 | 0 27 | 14 41 | 16 29 | 16 55 | 26 26 | 11 4 | 6 5 |
| W20 | 2 16 | 12 5 | 4 40 | 12 9 | 2 40 | 4 33 | 1 0 | 1 50 | 0 39 | 19 20 | 1 0 | 6 42 | 2 46 | 4 21 | 0 48 | 2 38 | 1 47 | 0 28 | 14 40 | 16 27 | 16 54 | 26 25 | 11 3 | 6 5 |
| T 21 | 2 39 | 5 52 | 3 59 | 12 36 | 2 47 | 5 3 | 0 58 | 2 9 | 0 38 | 19 19 | 1 0 | 6 41 | 2 46 | 4 22 | 0 48 | 2 37 | 1 47 | 0 29 | 14 40 | 16 25 | 16 53 | 26 24 | 11 1 | 6 6 |
| F 22 | 3 3 | 0n34 | 3 5 | 13 1 | 2 53 | 5 34 | 0 56 | 2 27 | 0 38 | 19 19 | 1 0 | 6 39 | 2 46 | 4 23 | 0 48 | 2 37 | 1 47 | 0 29 | 14 40 | 16 24 | 16 52 | 26 24 | 11 0 | 6 6 |
| S 23 | 3 26 | 6 50 | 2 0 | 13 21 | 2 58 | 6 4 | 0 54 | 2 46 | 0 37 | 19 18 | 1 0 | 6 37 | 2 47 | 4 24 | 0 48 | 2 36 | 1 47 | 0 30 | 14 40 | 16 23 | 16 52 | 26 23 | 10 59 | 6 6 |
| S 24 | 3 49 | 12 39 | 0 50 | 13 39 | 3 3 | 6 34 | 0 53 | 3 4 | 0 37 | 19 18 | 1 0 | 6 36 | 2 47 | 4 25 | 0 48 | 2 35 | 1 47 | 0 30 | 14 40 | 16 22 | 16 51 | 26 22 | 10 58 | 6 6 |
| M25 | 4 12 | 17 46 | 0n20 | 13 53 | 3 5 | 7 4 | 0 51 | 3 23 | 0 36 | 19 17 | 1 0 | 6 34 | 2 47 | 4 26 | 0 48 | 2 35 | 1 47 | 0 31 | 14 40 | 16 22 | 16 50 | 26 21 | 10 57 | 6 7 |
| T 26 | 4 35 | 21 57 | 1 28 | 14 3 | 3 7 | 7 34 | 0 49 | 3 41 | 0 35 | 19 17 | 1 0 | 6 32 | 2 47 | 4 26 | 0 48 | 2 34 | 1 47 | 0 31 | 14 39 | 16 22 | 16 49 | 26 21 | 10 56 | 6 7 |
| W27 | 4 58 | 25 2 | 2 31 | 14 10 | 3 8 | 8 3 | 0 47 | 3 59 | 0 35 | 19 16 | 1 0 | 6 31 | 2 47 | 4 27 | 0 48 | 2 33 | 1 47 | 0 32 | 14 39 | 16 23 | 16 48 | 26 20 | 10 55 | 6 7 |
| T 28 | 5 21 | 26 54 | 3 25 | 14 14 | 3 7 | 8 33 | 0 45 | 4 18 | 0 34 | 19 15 | 1 0 | 6 29 | 2 47 | 4 28 | 0 48 | 2 33 | 1 47 | 0 32 | 14 39 | 16 23 | 16 47 | 26 19 | 10 54 | 6 8 |
| F 29 | 5 44 | 27 29 | 4 9 | 14 14 | 3 5 | 9 2 | 0 43 | 4 36 | 0 34 | 19 14 | 1 0 | 6 27 | 2 47 | 4 29 | 0 48 | 2 32 | 1 47 | 0 33 | 14 39 | 16 24 | 16 46 | 26 18 | 10 53 | 6 8 |
| S 30 | 6 7 | 26 47 | 4 43 | 14 10 | 3 1 | 9 31 | 0 41 | 4 54 | 0 33 | 19 14 | 1 0 | 6 26 | 2 47 | 4 30 | 0 48 | 2 31 | 1 47 | 0 33 | 14 39 | 16 24 | 16 45 | 26 18 | 10 51 | 6 8 |
| S 31 | 6n29 | 24n53 | 5n 4 | 14n 3 | 2n56 | 10n 0 | 0s38 | 5n12 | 0s33 | 19s13 | 1n 0 | 6s24 | 2n47 | 4n31 | 0n48 | 2s31 | 1n47 | 0n34 | 14s39 | 16n23 | 16n44 | 26n17 | 10s50 | 6n 9 |

Julian Day Number = 2133484.5, Delta T = 16m14s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°35'58, Lahiri = 11°42'58 Julian Calendar 1 March 1129 == Greg. Calendar 8 March 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## APRIL 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 2 13 | 17♈24'29 | 13♌22 | 29°R13 | 28♈37 | 15♈ 8 | 29°R41 | 22°R56 | 20°R27 | 10°R24 | 8♉41 | 14°R53 | 16♉ 3 | 22♋53 | 13♒58 | M 1 |
| T 2 | 13 6 10 | 18°22'57 | 25°29 | 28♈56 | 29°51 | 15°53 | 29♏37 | 22♎51 | 20♍25 | 10♎23 | 8°43 | 14♉49 | 16° 0 | 23° 0 | 14° 0 | T 2 |
| W 3 | 13 10 6 | 19°21'23 | 7♍47 | 28°34 | 1♉ 5 | 16°38 | 29°33 | 22°47 | 20°22 | 10°21 | 8°44 | 14°45 | 15°57 | 23° 7 | 14° 3 | W 3 |
| T 4 | 13 14 3 | 20°19'46 | 20°21 | 28° 7 | 2°19 | 17°23 | 29°29 | 22°42 | 20°20 | 10°19 | 8°45 | 14°41 | 15°54 | 23°13 | 14° 5 | T 4 |
| F 5 | 13 17 59 | 21°18'08 | 3♎11 | 27°37 | 3°32 | 18° 8 | 29°24 | 22°37 | 20°18 | 10°18 | 8°46 | 14°38 | 15°51 | 23°20 | 14° 8 | F 5 |
| S 6 | 13 21 56 | 22°16'27 | 16°18 | 27° 4 | 4°46 | 18°52 | 29°19 | 22°33 | 20°16 | 10°16 | 8°48 | 14°35 | 15°47 | 23°27 | 14°10 | S 6 |
| S 7 | 13 25 52 | 23°14'45 | 29°41 | 26°28 | 6° 0 | 19°37 | 29°15 | 22°28 | 20°14 | 10°15 | 8°49 | 14°33 | 15°44 | 23°34 | 14°12 | S 7 |
| M 8 | 13 29 49 | 24°13'01 | 13♏19 | 25°50 | 7°14 | 20°22 | 29°10 | 22°24 | 20°12 | 10°13 | 8°50 | 14°D32 | 15°41 | 23°40 | 14°14 | M 8 |
| T 9 | 13 33 46 | 25°11'15 | 27° 9 | 25°11 | 8°28 | 21° 6 | 29° 5 | 22°19 | 20°10 | 10°11 | 8°52 | 14°33 | 15°38 | 23°47 | 14°17 | T 9 |
| W10 | 13 37 42 | 26° 9'27 | 11♐ 9 | 24°31 | 9°42 | 21°51 | 29° 0 | 22°15 | 20° 8 | 10°10 | 8°53 | 14°34 | 15°35 | 23°54 | 14°19 | W10 |
| T 11 | 13 41 39 | 27° 7'38 | 25°16 | 23°52 | 10°55 | 22°35 | 28°54 | 22°10 | 20° 6 | 10° 8 | 8°54 | 14°35 | 15°32 | 24° 0 | 14°21 | T 11 |
| F 12 | 13 45 35 | 28° 5'48 | 9♑27 | 23°14 | 12° 9 | 23°20 | 28°49 | 22° 6 | 20° 4 | 10° 7 | 8°56 | 14°36 | 15°28 | 24° 7 | 14°23 | F 12 |
| S 13 | 13 49 32 | 29° 3'56 | 23°40 | 22°37 | 13°23 | 24° 4 | 28°43 | 22° 1 | 20° 3 | 10° 5 | 8°57 | 14°R37 | 15°25 | 24°14 | 14°25 | S 13 |
| S 14 | 13 53 28 | 0♉ 2'03 | 7♒54 | 22° 2 | 14°36 | 24°48 | 28°37 | 21°57 | 20° 1 | 10° 4 | 8°58 | 14°37 | 15°22 | 24°21 | 14°26 | S 14 |
| M15 | 13 57 25 | 1° 0'08 | 22° 4 | 21°30 | 15°50 | 25°32 | 28°31 | 21°52 | 19°59 | 10° 2 | 9° 0 | 14°36 | 15°19 | 24°27 | 14°28 | M15 |
| T 16 | 14 1 21 | 1°58'12 | 6♓ 9 | 21° 2 | 17° 4 | 26°17 | 28°25 | 21°48 | 19°57 | 10° 1 | 9° 1 | 14°35 | 15°16 | 24°34 | 14°30 | T 16 |
| W17 | 14 5 18 | 2°56'14 | 20° 7 | 20°37 | 18°17 | 27° 1 | 28°19 | 21°43 | 19°56 | 9°59 | 9° 2 | 14°33 | 15°13 | 24°41 | 14°32 | W17 |
| T 18 | 14 9 15 | 3°54'15 | 3♈54 | 20°15 | 19°31 | 27°45 | 28°13 | 21°39 | 19°54 | 9°58 | 9° 4 | 14°32 | 15° 9 | 24°47 | 14°33 | T 18 |
| F 19 | 14 13 11 | 4°52'14 | 17°28 | 19°59 | 20°45 | 28°29 | 28° 7 | 21°35 | 19°52 | 9°56 | 9° 5 | 14°31 | 15° 6 | 24°54 | 14°35 | F 19 |
| S 20 | 14 17 8 | 5°50'12 | 0♉48 | 19°46 | 21°58 | 29°13 | 28° 0 | 21°30 | 19°51 | 9°55 | 9° 6 | 14°30 | 15° 3 | 25° 1 | 14°36 | S 20 |
| S 21 | 14 21 4 | 6°48'08 | 13°52 | 19°38 | 23°12 | 29°57 | 27°54 | 21°26 | 19°49 | 9°53 | 9° 8 | 14°D30 | 15° 0 | 25° 8 | 14°38 | S 21 |
| M22 | 14 25 1 | 7°46'03 | 26°39 | 19°D35 | 24°25 | 0♉41 | 27°47 | 21°22 | 19°48 | 9°52 | 9° 9 | 14°30 | 14°57 | 25°14 | 14°39 | M22 |
| T 23 | 14 28 57 | 8°43'56 | 9♊11 | 19°36 | 25°39 | 1°24 | 27°40 | 21°18 | 19°46 | 9°50 | 9°11 | 14°30 | 14°53 | 25°21 | 14°40 | T 23 |
| W24 | 14 32 54 | 9°41'48 | 21°29 | 19°42 | 26°52 | 2° 8 | 27°33 | 21°13 | 19°45 | 9°49 | 9°12 | 14°31 | 14°50 | 25°28 | 14°42 | W24 |
| T 25 | 14 36 50 | 10°39'38 | 3♋35 | 19°52 | 28° 6 | 2°52 | 27°26 | 21° 9 | 19°44 | 9°48 | 9°13 | 14°31 | 14°47 | 25°34 | 14°43 | T 25 |
| F 26 | 14 40 47 | 11°37'26 | 15°33 | 20° 7 | 29°19 | 3°36 | 27°19 | 21° 5 | 19°42 | 9°46 | 9°15 | 14°32 | 14°44 | 25°41 | 14°44 | F 26 |
| S 27 | 14 44 44 | 12°35'12 | 27°26 | 20°27 | 0♊32 | 4°19 | 27°12 | 21° 1 | 19°41 | 9°45 | 9°16 | 14°32 | 14°41 | 25°48 | 14°45 | S 27 |
| S 28 | 14 48 40 | 13°32'57 | 9♌19 | 20°50 | 1°46 | 5° 3 | 27° 5 | 20°57 | 19°40 | 9°44 | 9°17 | 14°32 | 14°38 | 25°55 | 14°46 | S 28 |
| M29 | 14 52 37 | 14°30'40 | 21°17 | 21°19 | 2°59 | 5°46 | 26°58 | 20°53 | 19°39 | 9°42 | 9°19 | 14°32 | 14°34 | 26° 1 | 14°47 | M29 |
| T 30 | 14 56 33 | 15♉28'21 | 3♍23 | 21♈51 | 4♊12 | 6♉30 | 26♏51 | 20♎49 | 19♍38 | 9♎41 | 9♉20 | 14♉32 | 14♉31 | 26♋ 8 | 14♒48 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n52 | 21n53 | 5n13 | 13n53 | 2n50 | 10n28 | 0s36 | 5n30 | 0s32 | 19s12 | 1n 0 | 6s22 | 2n47 | 4n32 | 0n48 | 2s30 | 1n47 | 0n34 | 14s38 | 16n23 | 16n43 | 26n16 | 10s49 | 6n 9 |
| T 2 | 7 14 | 17 55 | 5 8 | 13 40 | 2 42 | 10 56 | 0 34 | 5 48 | 0 31 | 19 11 | 1 0 | 6 21 | 2 47 | 4 33 | 0 48 | 2 30 | 1 47 | 0 35 | 14 38 | 16 22 | 16 42 | 26 15 | 10 48 | 6 9 |
| W 3 | 7 37 | 13 8 | 4 48 | 13 23 | 2 33 | 11 24 | 0 32 | 6 6 | 0 31 | 19 10 | 1 0 | 6 19 | 2 47 | 4 34 | 0 47 | 2 29 | 1 47 | 0 35 | 14 38 | 16 20 | 16 41 | 26 14 | 10 47 | 6 10 |
| T 4 | 7 59 | 7 44 | 4 15 | 13 4 | 2 22 | 11 52 | 0 30 | 6 23 | 0 30 | 19 9 | 1 0 | 6 17 | 2 47 | 4 34 | 0 47 | 2 28 | 1 47 | 0 36 | 14 38 | 16 19 | 16 41 | 26 13 | 10 46 | 6 10 |
| F 5 | 8 21 | 1 54 | 3 28 | 12 42 | 2 10 | 12 20 | 0 27 | 6 41 | 0 30 | 19 8 | 1 0 | 6 16 | 2 47 | 4 35 | 0 47 | 2 28 | 1 47 | 0 36 | 14 38 | 16 18 | 16 40 | 26 13 | 10 45 | 6 10 |
| S 6 | 8 43 | 4s 9 | 2 29 | 12 18 | 1 57 | 12 47 | 0 25 | 6 59 | 0 29 | 19 7 | 1 0 | 6 14 | 2 47 | 4 36 | 0 47 | 2 27 | 1 47 | 0 37 | 14 38 | 16 17 | 16 39 | 26 12 | 10 44 | 6 11 |
| S 7 | 9 4 | 10 9 | 1 21 | 11 52 | 1 43 | 13 14 | 0 23 | 7 16 | 0 29 | 19 6 | 1 0 | 6 12 | 2 47 | 4 37 | 0 47 | 2 26 | 1 47 | 0 37 | 14 38 | 16 17 | 16 38 | 26 11 | 10 43 | 6 11 |
| M 8 | 9 26 | 15 48 | 0 7 | 11 24 | 1 28 | 13 40 | 0 20 | 7 34 | 0 28 | 19 5 | 1 0 | 6 10 | 2 47 | 4 37 | 0 47 | 2 26 | 1 47 | 0 38 | 14 38 | 16 17 | 16 37 | 26 10 | 10 42 | 6 11 |
| T 9 | 9 48 | 20 44 | 1s 9 | 10 55 | 1 13 | 14 7 | 0 18 | 7 51 | 0 27 | 19 4 | 1 0 | 6 9 | 2 47 | 4 38 | 0 47 | 2 25 | 1 47 | 0 38 | 14 38 | 16 17 | 16 36 | 26 9 | 10 42 | 6 12 |
| W10 | 10 9 | 24 33 | 2 21 | 10 25 | 0 56 | 14 33 | 0 15 | 8 8 | 0 27 | 19 3 | 1 0 | 6 7 | 2 47 | 4 39 | 0 47 | 2 25 | 1 47 | 0 39 | 14 37 | 16 17 | 16 35 | 26 8 | 10 41 | 6 12 |
| T 11 | 10 30 | 26 54 | 3 26 | 9 55 | 0 40 | 14 58 | 0 13 | 8 25 | 0 26 | 19 2 | 1 0 | 6 6 | 2 47 | 4 40 | 0 47 | 2 24 | 1 47 | 0 39 | 14 37 | 16 17 | 16 34 | 26 7 | 10 40 | 6 12 |
| F 12 | 10 51 | 27 31 | 4 18 | 9 25 | 0 23 | 15 23 | 0 11 | 8 43 | 0 26 | 19 0 | 1 0 | 6 4 | 2 47 | 4 40 | 0 47 | 2 23 | 1 47 | 0 40 | 14 37 | 16 18 | 16 33 | 26 6 | 10 39 | 6 13 |
| S 13 | 11 12 | 26 18 | 4 55 | 8 55 | 0 6 | 15 48 | 0 8 | 9 0 | 0 25 | 18 59 | 1 0 | 6 2 | 2 47 | 4 41 | 0 47 | 2 23 | 1 47 | 0 40 | 14 37 | 16 18 | 16 32 | 26 6 | 10 38 | 6 13 |
| S 14 | 11 32 | 23 25 | 5 14 | 8 27 | 0s12 | 16 13 | 0 6 | 9 16 | 0 24 | 18 58 | 1 0 | 6 1 | 2 47 | 4 42 | 0 47 | 2 22 | 1 47 | 0 41 | 14 37 | 16 18 | 16 31 | 26 5 | 10 37 | 6 13 |
| M15 | 11 53 | 19 9 | 5 13 | 7 59 | 0 28 | 16 37 | 0 3 | 9 33 | 0 24 | 18 57 | 1 0 | 5 59 | 2 47 | 4 42 | 0 47 | 2 22 | 1 47 | 0 41 | 14 37 | 16 18 | 16 30 | 26 4 | 10 36 | 6 14 |
| T 16 | 12 13 | 13 50 | 4 54 | 7 33 | 0 45 | 17 0 | 0 1 | 9 50 | 0 23 | 18 55 | 1 0 | 5 57 | 2 47 | 4 43 | 0 47 | 2 21 | 1 47 | 0 42 | 14 37 | 16 17 | 16 29 | 26 3 | 10 35 | 6 14 |
| W17 | 12 33 | 7 52 | 4 17 | 7 9 | 1 1 | 17 23 | 0n 2 | 10 6 | 0 22 | 18 54 | 1 0 | 5 56 | 2 47 | 4 44 | 0 47 | 2 20 | 1 47 | 0 42 | 14 37 | 16 17 | 16 29 | 26 2 | 10 34 | 6 15 |
| T 18 | 12 53 | 1 36 | 3 26 | 6 47 | 1 16 | 17 46 | 0 4 | 10 23 | 0 22 | 18 53 | 1 0 | 5 54 | 2 47 | 4 44 | 0 47 | 2 20 | 1 47 | 0 43 | 14 37 | 16 17 | 16 28 | 26 1 | 10 34 | 6 15 |
| F 19 | 13 12 | 4n40 | 2 24 | 6 27 | 1 31 | 18 8 | 0 7 | 10 39 | 0 21 | 18 51 | 1 0 | 5 53 | 2 47 | 4 45 | 0 47 | 2 19 | 1 47 | 0 43 | 14 37 | 16 16 | 16 27 | 26 0 | 10 33 | 6 15 |
| S 20 | 13 32 | 10 38 | 1 15 | 6 9 | 1 45 | 18 30 | 0 9 | 10 56 | 0 21 | 18 50 | 1 0 | 5 51 | 2 46 | 4 46 | 0 47 | 2 19 | 1 47 | 0 43 | 14 37 | 16 16 | 16 26 | 25 59 | 10 32 | 6 16 |
| S 21 | 13 51 | 16 1 | 0 4 | 5 54 | 1 58 | 18 51 | 0 12 | 11 12 | 0 20 | 18 48 | 1 0 | 5 50 | 2 46 | 4 46 | 0 47 | 2 18 | 1 46 | 0 44 | 14 37 | 16 16 | 16 25 | 25 58 | 10 31 | 6 16 |
| M22 | 14 10 | 20 35 | 1n 7 | 5 41 | 2 10 | 19 12 | 0 15 | 11 28 | 0 19 | 18 47 | 1 0 | 5 48 | 2 46 | 4 47 | 0 47 | 2 18 | 1 46 | 0 44 | 14 37 | 16 16 | 16 24 | 25 57 | 10 31 | 6 17 |
| T 23 | 14 29 | 24 7 | 2 13 | 5 31 | 2 22 | 19 32 | 0 17 | 11 44 | 0 19 | 18 45 | 1 0 | 5 47 | 2 46 | 4 47 | 0 47 | 2 17 | 1 46 | 0 45 | 14 37 | 16 16 | 16 23 | 25 56 | 10 30 | 6 17 |
| W24 | 14 47 | 26 27 | 3 11 | 5 24 | 2 32 | 19 52 | 0 20 | 11 59 | 0 18 | 18 44 | 1 0 | 5 45 | 2 46 | 4 48 | 0 47 | 2 17 | 1 46 | 0 45 | 14 37 | 16 16 | 16 22 | 25 55 | 10 29 | 6 17 |
| T 25 | 15 6 | 27 30 | 4 0 | 5 19 | 2 41 | 20 11 | 0 22 | 12 15 | 0 18 | 18 42 | 1 0 | 5 44 | 2 46 | 4 48 | 0 47 | 2 16 | 1 46 | 0 46 | 14 37 | 16 16 | 16 21 | 25 54 | 10 28 | 6 18 |
| F 26 | 15 24 | 27 14 | 4 37 | 5 17 | 2 50 | 20 30 | 0 25 | 12 31 | 0 17 | 18 41 | 1 0 | 5 42 | 2 46 | 4 49 | 0 47 | 2 16 | 1 46 | 0 46 | 14 37 | 16 16 | 16 20 | 25 53 | 10 28 | 6 18 |
| S 27 | 15 41 | 25 43 | 5 3 | 5 17 | 2 57 | 20 48 | 0 27 | 12 46 | 0 16 | 18 39 | 1 0 | 5 41 | 2 46 | 4 49 | 0 47 | 2 15 | 1 46 | 0 47 | 14 37 | 16 17 | 16 19 | 25 52 | 10 27 | 6 18 |
| S 28 | 15 59 | 23 4 | 5 16 | 5 20 | 3 4 | 21 6 | 0 30 | 13 1 | 0 16 | 18 38 | 1 0 | 5 39 | 2 46 | 4 50 | 0 47 | 2 15 | 1 46 | 0 47 | 14 37 | 16 17 | 16 18 | 25 51 | 10 26 | 6 19 |
| M29 | 16 16 | 19 26 | 5 15 | 5 25 | 3 10 | 21 23 | 0 32 | 13 16 | 0 15 | 18 36 | 1 0 | 5 38 | 2 45 | 4 50 | 0 47 | 2 14 | 1 46 | 0 47 | 14 37 | 16 17 | 16 17 | 25 50 | 10 26 | 6 19 |
| T 30 | 16n33 | 14n58 | 5n 0 | 5n33 | 3s14 | 21n39 | 0n35 | 13n31 | 0s14 | 18s34 | 1n 0 | 5s37 | 2n45 | 4n50 | 0n47 | 2s14 | 1n46 | 0n48 | 14s37 | 16n17 | 16n16 | 25n49 | 10s25 | 6n20 |

Julian Day Number = 2133515.5, Delta T = 16m14s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'02, Lahiri = 11°43'03 Julian Calendar 1 Apr. 1129 == Greg. Calendar 8 Apr. 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## MAY 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 0 30 | 16♉26'01 | 15♍43 | 22♈27 | 5♊26 | 7♉13 | 26°R43 | 20°R45 | 19°R37 | 9°R40 | 9♉21 | 14♉32 | 14♉28 | 26♋15 | 14♒49 | W 1 |
| T 2 | 15 4 26 | 17°23'39 | 28°19 | 23° 7 | 6°39 | 7°56 | 26♏36 | 20♎41 | 19♍36 | 9♎39 | 9°23 | 14°32 | 14°25 | 26°21 | 14°49 | T 2 |
| F 3 | 15 8 23 | 18°21'16 | 11♎16 | 23°51 | 7°52 | 8°40 | 26°28 | 20°38 | 19°35 | 9°38 | 9°24 | 14°33 | 14°22 | 26°28 | 14°50 | F 3 |
| S 4 | 15 12 19 | 19°18'51 | 24°34 | 24°38 | 9° 5 | 9°23 | 26°21 | 20°34 | 19°34 | 9°36 | 9°25 | 14°33 | 14°18 | 26°35 | 14°51 | S 4 |
| S 5 | 15 16 16 | 20°16'25 | 8♏14 | 25°29 | 10°19 | 10° 6 | 26°13 | 20°30 | 19°33 | 9°35 | 9°27 | 14°R33 | 14°15 | 26°42 | 14°51 | S 5 |
| M 6 | 15 20 13 | 21°13'57 | 22°13 | 26°24 | 11°32 | 10°49 | 26° 6 | 20°27 | 19°32 | 9°34 | 9°28 | 14°33 | 14°12 | 26°48 | 14°52 | M 6 |
| T 7 | 15 24 9 | 22°11'29 | 6♐29 | 27°21 | 12°45 | 11°32 | 25°58 | 20°23 | 19°31 | 9°33 | 9°29 | 14°33 | 14° 9 | 26°55 | 14°52 | T 7 |
| W 8 | 15 28 6 | 23° 8'59 | 20°57 | 28°23 | 13°58 | 12°15 | 25°51 | 20°20 | 19°30 | 9°32 | 9°31 | 14°32 | 14° 6 | 27° 2 | 14°52 | W 8 |
| T 9 | 15 32 2 | 24° 6'29 | 5♑31 | 29°27 | 15°11 | 12°58 | 25°43 | 20°16 | 19°30 | 9°31 | 9°32 | 14°31 | 14° 3 | 27° 8 | 14°53 | T 9 |
| F 10 | 15 35 59 | 25° 3'57 | 20° 5 | 0♉34 | 16°24 | 13°41 | 25°35 | 20°13 | 19°29 | 9°30 | 9°33 | 14°30 | 13°59 | 27°15 | 14°53 | F 10 |
| S 11 | 15 39 55 | 26° 1'25 | 4♒34 | 1°44 | 17°37 | 14°24 | 25°28 | 20°10 | 19°29 | 9°29 | 9°35 | 14°29 | 13°56 | 27°22 | 14°53 | S 11 |
| S 12 | 15 43 52 | 26°58'52 | 18°53 | 2°58 | 18°50 | 15° 7 | 25°20 | 20° 7 | 19°28 | 9°28 | 9°36 | 14°29 | 13°53 | 27°29 | 14°53 | S 12 |
| M13 | 15 47 48 | 27°56'18 | 3♓ 0 | 4°14 | 20° 3 | 15°50 | 25°12 | 20° 3 | 19°28 | 9°27 | 9°37 | 14°D28 | 13°50 | 27°35 | 14°R53 | M13 |
| T 14 | 15 51 45 | 28°53'44 | 16°53 | 5°33 | 21°16 | 16°32 | 25° 5 | 20° 0 | 19°27 | 9°26 | 9°39 | 14°29 | 13°47 | 27°42 | 14°53 | T 14 |
| W15 | 15 55 42 | 29°51'08 | 0♈31 | 6°55 | 22°29 | 17°15 | 24°57 | 19°57 | 19°27 | 9°25 | 9°40 | 14°30 | 13°44 | 27°49 | 14°53 | W15 |
| T 16 | 15 59 38 | 0♊48'32 | 13°55 | 8°19 | 23°42 | 17°58 | 24°50 | 19°55 | 19°27 | 9°24 | 9°41 | 14°31 | 13°40 | 27°55 | 14°53 | T 16 |
| F 17 | 16 3 35 | 1°45'56 | 27° 4 | 9°47 | 24°55 | 18°40 | 24°42 | 19°52 | 19°26 | 9°23 | 9°42 | 14°32 | 13°37 | 28° 2 | 14°53 | F 17 |
| S 18 | 16 7 31 | 2°43'18 | 10♉ 0 | 11°17 | 26° 8 | 19°23 | 24°34 | 19°49 | 19°26 | 9°22 | 9°44 | 14°R33 | 13°34 | 28° 9 | 14°53 | S 18 |
| S 19 | 16 11 28 | 3°40'40 | 22°43 | 12°50 | 27°21 | 20° 5 | 24°27 | 19°46 | 19°26 | 9°21 | 9°45 | 14°33 | 13°31 | 28°16 | 14°52 | S 19 |
| M20 | 16 15 24 | 4°38'02 | 5♊14 | 14°25 | 28°33 | 20°47 | 24°20 | 19°44 | 19°26 | 9°21 | 9°46 | 14°32 | 13°28 | 28°22 | 14°52 | M20 |
| T 21 | 16 19 21 | 5°35'22 | 17°34 | 16° 3 | 29°46 | 21°30 | 24°12 | 19°41 | 19°D26 | 9°20 | 9°47 | 14°30 | 13°24 | 28°29 | 14°51 | T 21 |
| W22 | 16 23 17 | 6°32'42 | 29°44 | 17°44 | 0♋59 | 22°12 | 24° 5 | 19°39 | 19°26 | 9°19 | 9°49 | 14°27 | 13°21 | 28°36 | 14°51 | W22 |
| T 23 | 16 27 14 | 7°30'01 | 11♋46 | 19°28 | 2°12 | 22°54 | 23°58 | 19°37 | 19°26 | 9°19 | 9°50 | 14°23 | 13°18 | 28°42 | 14°50 | T 23 |
| F 24 | 16 31 11 | 8°27'19 | 23°42 | 21°14 | 3°24 | 23°36 | 23°50 | 19°34 | 19°26 | 9°18 | 9°51 | 14°19 | 13°15 | 28°49 | 14°50 | F 24 |
| S 25 | 16 35 7 | 9°24'36 | 5♌34 | 23° 2 | 4°37 | 24°19 | 23°43 | 19°32 | 19°26 | 9°17 | 9°52 | 14°15 | 13°12 | 28°56 | 14°49 | S 25 |
| S 26 | 16 39 4 | 10°21'52 | 17°26 | 24°54 | 5°50 | 25° 1 | 23°36 | 19°30 | 19°26 | 9°17 | 9°54 | 14°13 | 13° 9 | 29° 3 | 14°48 | S 26 |
| M27 | 16 43 0 | 11°19'07 | 29°22 | 26°47 | 7° 2 | 25°43 | 23°29 | 19°28 | 19°27 | 9°16 | 9°55 | 14°11 | 13° 5 | 29° 9 | 14°47 | M27 |
| T 28 | 16 46 57 | 12°16'22 | 11♍27 | 28°44 | 8°15 | 26°25 | 23°22 | 19°26 | 19°27 | 9°15 | 9°56 | 14°D10 | 13° 2 | 29°16 | 14°46 | T 28 |
| W29 | 16 50 53 | 13°13'36 | 23°44 | 0♊42 | 9°27 | 27° 7 | 23°15 | 19°25 | 19°27 | 9°15 | 9°57 | 14°11 | 12°59 | 29°23 | 14°46 | W29 |
| T 30 | 16 54 50 | 14°10'49 | 6♎19 | 2°43 | 10°40 | 27°48 | 23° 9 | 19°23 | 19°28 | 9°14 | 9°58 | 14°12 | 12°56 | 29°30 | 14°44 | T 30 |
| F 31 | 16 58 46 | 15♊ 8'01 | 19♎15 | 4♊45 | 11♋52 | 28♉30 | 23♏ 2 | 19♎21 | 19♍28 | 9♎14 | 9♉59 | 14♉13 | 12♉53 | 29♋36 | 14♒43 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16n50 | 9n49 | 4n31 | 5n43 | 3s18 | 21n55 | 0n37 | 13n46 | 0s14 | 18s33 | 1n 0 | 5s35 | 2n45 | 4n51 | 0n47 | 2s13 | 1n46 | 0n48 | 14s37 | 16n17 | 16n15 | 25n48 | 10s24 | 6n20 | |
| T 2 | 17 6 | 4 10 | 3 49 | 5 55 | 3 21 | 22 10 | 0 40 | 14 1 | 0 13 | 18 31 | 1 0 | 5 34 | 2 45 | 4 51 | 0 47 | 2 13 | 1 46 | 0 49 | 14 37 | 16 17 | 16 14 | 25 47 | 10 24 | 6 20 | |
| F 3 | 17 22 | 1s48 | 2 54 | 6 9 | 3 23 | 22 25 | 0 42 | 14 16 | 0 13 | 18 29 | 1 0 | 5 33 | 2 45 | 4 52 | 0 47 | 2 12 | 1 46 | 0 49 | 14 37 | 16 17 | 16 13 | 25 46 | 10 23 | 6 21 | |
| S 4 | 17 38 | 7 53 | 1 49 | 6 25 | 3 25 | 22 39 | 0 44 | 14 30 | 0 12 | 18 28 | 1 0 | 5 32 | 2 45 | 4 52 | 0 46 | 2 12 | 1 46 | 0 49 | 14 37 | 16 17 | 16 13 | 25 45 | 10 23 | 6 21 | |
| S 5 | 17 54 | 13 46 | 0 35 | 6 43 | 3 25 | 22 52 | 0 47 | 14 44 | 0 11 | 18 26 | 1 0 | 5 30 | 2 45 | 4 52 | 0 46 | 2 11 | 1 46 | 0 50 | 14 37 | 16 17 | 16 12 | 25 44 | 10 22 | 6 22 | |
| M 6 | 18 9 | 19 6 | 0s42 | 7 3 | 3 25 | 23 5 | 0 49 | 14 58 | 0 11 | 18 24 | 1 0 | 5 29 | 2 44 | 4 52 | 0 46 | 2 11 | 1 46 | 0 50 | 14 37 | 16 17 | 16 11 | 25 43 | 10 22 | 6 22 | |
| T 7 | 18 24 | 23 27 | 1 59 | 7 25 | 3 24 | 23 17 | 0 51 | 15 13 | 0 10 | 18 23 | 0 59 | 5 28 | 2 44 | 4 53 | 0 46 | 2 11 | 1 46 | 0 50 | 14 37 | 16 17 | 16 10 | 25 42 | 10 21 | 6 22 | |
| W 8 | 18 39 | 26 22 | 3 8 | 7 48 | 3 22 | 23 28 | 0 54 | 15 26 | 0 9 | 18 21 | 0 59 | 5 27 | 2 44 | 4 53 | 0 46 | 2 10 | 1 46 | 0 51 | 14 37 | 16 17 | 16 9 | 25 41 | 10 21 | 6 23 | |
| T 9 | 18 53 | 27 32 | 4 6 | 8 13 | 3 20 | 23 39 | 0 56 | 15 40 | 0 9 | 18 19 | 0 59 | 5 26 | 2 44 | 4 53 | 0 46 | 2 10 | 1 46 | 0 51 | 14 37 | 16 16 | 16 8 | 25 39 | 10 20 | 6 23 | |
| F 10 | 19 7 | 26 47 | 4 48 | 8 39 | 3 17 | 23 49 | 0 58 | 15 54 | 0 8 | 18 18 | 0 59 | 5 25 | 2 44 | 4 53 | 0 46 | 2 9 | 1 46 | 0 51 | 14 37 | 16 16 | 16 7 | 25 38 | 10 20 | 6 24 | |
| S 11 | 19 21 | 24 15 | 5 11 | 9 7 | 3 13 | 23 59 | 1 0 | 16 7 | 0 7 | 18 16 | 0 59 | 5 24 | 2 44 | 4 54 | 0 46 | 2 9 | 1 46 | 0 52 | 14 37 | 16 16 | 16 6 | 25 37 | 10 19 | 6 24 | |
| S 12 | 19 35 | 20 13 | 5 15 | 9 36 | 3 8 | 24 7 | 1 3 | 16 20 | 0 7 | 18 14 | 0 59 | 5 23 | 2 43 | 4 54 | 0 46 | 2 9 | 1 46 | 0 52 | 14 37 | 16 16 | 16 5 | 25 36 | 10 19 | 6 24 | |
| M13 | 19 48 | 15 6 | 5 0 | 10 7 | 3 3 | 24 15 | 1 5 | 16 33 | 0 6 | 18 12 | 0 59 | 5 22 | 2 43 | 4 54 | 0 46 | 2 8 | 1 46 | 0 52 | 14 37 | 16 15 | 16 4 | 25 35 | 10 19 | 6 25 | |
| T 14 | 20 0 | 9 18 | 4 27 | 10 39 | 2 57 | 24 23 | 1 7 | 16 46 | 0 6 | 18 11 | 0 59 | 5 21 | 2 43 | 4 54 | 0 46 | 2 8 | 1 46 | 0 53 | 14 37 | 16 16 | 16 3 | 25 34 | 10 18 | 6 25 | |
| W15 | 20 13 | 3 9 | 3 40 | 11 11 | 2 51 | 24 29 | 1 9 | 16 59 | 0 5 | 18 9 | 0 59 | 5 20 | 2 43 | 4 54 | 0 46 | 2 8 | 1 46 | 0 53 | 14 37 | 16 16 | 16 2 | 25 33 | 10 18 | 6 26 | |
| T 16 | 20 25 | 3n 2 | 2 41 | 11 45 | 2 44 | 24 35 | 1 11 | 17 12 | 0 4 | 18 7 | 0 58 | 5 19 | 2 43 | 4 54 | 0 46 | 2 7 | 1 46 | 0 53 | 14 37 | 16 16 | 16 1 | 25 32 | 10 18 | 6 26 | |
| F 17 | 20 37 | 9 0 | 1 35 | 12 20 | 2 37 | 24 40 | 1 13 | 17 24 | 0 4 | 18 6 | 0 58 | 5 18 | 2 42 | 4 54 | 0 46 | 2 7 | 1 46 | 0 54 | 14 37 | 16 17 | 16 0 | 25 30 | 10 17 | 6 26 | |
| S 18 | 20 48 | 14 29 | 0 25 | 12 55 | 2 29 | 24 45 | 1 15 | 17 37 | 0 3 | 18 4 | 0 58 | 5 17 | 2 42 | 4 54 | 0 46 | 2 7 | 1 46 | 0 54 | 14 37 | 16 17 | 15 59 | 25 29 | 10 17 | 6 27 | |
| S 19 | 20 59 | 19 16 | 0n45 | 13 31 | 2 21 | 24 48 | 1 17 | 17 49 | 0 2 | 18 2 | 0 58 | 5 16 | 2 42 | 4 54 | 0 46 | 2 7 | 1 46 | 0 54 | 14 38 | 16 17 | 15 58 | 25 28 | 10 17 | 6 27 | |
| M20 | 21 10 | 23 6 | 1 51 | 14 8 | 2 12 | 24 51 | 1 19 | 18 1 | 0 2 | 18 0 | 0 58 | 5 15 | 2 42 | 4 54 | 0 46 | 2 6 | 1 45 | 0 55 | 14 38 | 16 16 | 15 57 | 25 27 | 10 16 | 6 27 | |
| T 21 | 21 20 | 25 49 | 2 52 | 14 46 | 2 3 | 24 54 | 1 20 | 18 12 | 0 1 | 17 59 | 0 58 | 5 15 | 2 42 | 4 54 | 0 46 | 2 6 | 1 45 | 0 55 | 14 38 | 16 16 | 15 56 | 25 26 | 10 16 | 6 28 | |
| W22 | 21 30 | 27 17 | 3 43 | 15 23 | 1 53 | 24 55 | 1 22 | 18 24 | 0 0 | 17 57 | 0 58 | 5 14 | 2 41 | 4 54 | 0 46 | 2 6 | 1 45 | 0 55 | 14 38 | 16 15 | 15 55 | 25 24 | 10 16 | 6 28 | |
| T 23 | 21 40 | 27 25 | 4 24 | 16 1 | 1 43 | 24 56 | 1 24 | 18 35 | 0n 0 | 17 56 | 0 57 | 5 13 | 2 41 | 4 54 | 0 46 | 2 6 | 1 45 | 0 55 | 14 38 | 16 14 | 15 54 | 25 23 | 10 16 | 6 29 | |
| F 24 | 21 49 | 26 17 | 4 53 | 16 39 | 1 33 | 24 56 | 1 25 | 18 47 | 0 1 | 17 54 | 0 57 | 5 13 | 2 41 | 4 54 | 0 46 | 2 5 | 1 45 | 0 56 | 14 38 | 16 13 | 15 53 | 25 22 | 10 16 | 6 29 | |
| S 25 | 21 58 | 23 58 | 5 10 | 17 18 | 1 22 | 24 55 | 1 27 | 18 58 | 0 2 | 17 52 | 0 57 | 5 12 | 2 41 | 4 54 | 0 46 | 2 5 | 1 45 | 0 56 | 14 38 | 16 12 | 15 52 | 25 21 | 10 15 | 6 29 | |
| S 26 | 22 7 | 20 38 | 5 13 | 17 55 | 1 12 | 24 54 | 1 29 | 19 9 | 0 2 | 17 51 | 0 57 | 5 12 | 2 40 | 4 54 | 0 46 | 2 5 | 1 45 | 0 56 | 14 38 | 16 11 | 15 52 | 25 20 | 10 15 | 6 30 | |
| M27 | 22 15 | 16 27 | 5 2 | 18 33 | 1 1 | 24 52 | 1 30 | 19 19 | 0 3 | 17 49 | 0 57 | 5 11 | 2 40 | 4 54 | 0 46 | 2 5 | 1 45 | 0 56 | 14 38 | 16 10 | 15 51 | 25 18 | 10 15 | 6 30 | |
| T 28 | 22 22 | 11 35 | 4 39 | 19 10 | 0 49 | 24 49 | 1 31 | 19 30 | 0 3 | 17 48 | 0 57 | 5 11 | 2 40 | 4 54 | 0 45 | 2 5 | 1 45 | 0 57 | 14 39 | 16 10 | 15 50 | 25 17 | 10 15 | 6 30 | |
| W29 | 22 30 | 6 12 | 4 2 | 19 46 | 0 38 | 24 45 | 1 33 | 19 40 | 0 4 | 17 46 | 0 56 | 5 10 | 2 40 | 4 53 | 0 45 | 2 4 | 1 45 | 0 57 | 14 39 | 16 10 | 15 49 | 25 16 | 10 15 | 6 31 | |
| T 30 | 22 37 | 0 26 | 3 13 | 20 22 | 0 27 | 24 41 | 1 34 | 19 51 | 0 5 | 17 44 | 0 56 | 5 10 | 2 39 | 4 53 | 0 45 | 2 4 | 1 45 | 0 57 | 14 39 | 16 11 | 15 48 | 25 15 | 10 15 | 6 31 | |
| F 31 | 22n43 | 5s32 | 2n12 | 20n56 | 0s16 | 24n36 | 1n35 | 20n 1 | 0n 5 | 17s43 | 0n56 | 5s 9 | 2n39 | 4n53 | 0n45 | 2s 4 | 1n45 | 0n57 | 14s39 | 16n11 | 15n47 | 25n13 | 10s15 | 6n32 | |

Julian Day Number = 2133545.5, Delta T = 16m14s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'06, Lahiri = 11°43'07 Julian Calendar 1 May 1129 == Greg. Calendar 8 May 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## JUNE 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 2 43 | 16♊ 5'12 | 2♏36 | 6♊50 | 13♋ 5 | 29♉12 | 22°R55 | 19°R20 | 19♍29 | 9°R14 | 10♉ 1 | 14♉15 | 12♉50 | 29♋43 | 14°R42 | S 1 |
| S 2 | 17 6 40 | 17° 2'23 | 16°22 | 8°56 | 14°17 | 29°54 | 22♏49 | 19♎18 | 19°30 | 9♎13 | 10° 2 | 14°R15 | 12°46 | 29°50 | 14♒41 | S 2 |
| M 3 | 17 10 36 | 17°59'34 | 0♐35 | 11° 4 | 15°30 | 0♊35 | 22°43 | 19°17 | 19°30 | 9°13 | 10° 3 | 14°14 | 12°43 | 29°56 | 14°40 | M 3 |
| T 4 | 17 14 33 | 18°56'44 | 15° 9 | 13°13 | 16°42 | 1°17 | 22°36 | 19°16 | 19°31 | 9°12 | 10° 4 | 14°12 | 12°40 | 0♌ 3 | 14°39 | T 4 |
| W 5 | 17 18 29 | 19°53'54 | 0♑ 0 | 15°23 | 17°54 | 1°58 | 22°30 | 19°15 | 19°32 | 9°12 | 10° 5 | 14° 8 | 12°37 | 0°10 | 14°37 | W 5 |
| T 6 | 17 22 26 | 20°51'03 | 14°59 | 17°33 | 19° 7 | 2°40 | 22°24 | 19°14 | 19°32 | 9°12 | 10° 6 | 14° 3 | 12°34 | 0°17 | 14°36 | T 6 |
| F 7 | 17 26 22 | 21°48'13 | 29°58 | 19°44 | 20°19 | 3°21 | 22°19 | 19°13 | 19°33 | 9°12 | 10° 7 | 13°57 | 12°30 | 0°23 | 14°34 | F 7 |
| S 8 | 17 30 19 | 22°45'22 | 14♒47 | 21°55 | 21°31 | 4° 3 | 22°13 | 19°12 | 19°34 | 9°11 | 10° 8 | 13°53 | 12°27 | 0°30 | 14°33 | S 8 |
| S 9 | 17 34 16 | 23°42'32 | 29°21 | 24° 6 | 22°43 | 4°44 | 22° 7 | 19°11 | 19°35 | 9°11 | 10° 9 | 13°49 | 12°24 | 0°37 | 14°31 | S 9 |
| M10 | 17 38 12 | 24°39'41 | 13♓34 | 26°17 | 23°55 | 5°25 | 22° 2 | 19°10 | 19°36 | 9°11 | 10°10 | 13°47 | 12°21 | 0°43 | 14°30 | M10 |
| T 11 | 17 42 9 | 25°36'51 | 27°25 | 28°26 | 25° 7 | 6° 6 | 21°57 | 19°10 | 19°37 | 9°11 | 10°11 | 13°D46 | 12°18 | 0°50 | 14°28 | T 11 |
| W12 | 17 46 5 | 26°34'01 | 10♈55 | 0♋35 | 26°20 | 6°48 | 21°51 | 19° 9 | 19°38 | 9°11 | 10°12 | 13°47 | 12°15 | 0°57 | 14°26 | W12 |
| T 13 | 17 50 2 | 27°31'11 | 24° 4 | 2°43 | 27°32 | 7°29 | 21°46 | 19° 9 | 19°40 | 9°11 | 10°13 | 13°48 | 12°11 | 1° 4 | 14°24 | T 13 |
| F 14 | 17 53 58 | 28°28'21 | 6♉57 | 4°50 | 28°44 | 8°10 | 21°41 | 19° 9 | 19°41 | 9°D11 | 10°14 | 13°49 | 12° 8 | 1°10 | 14°22 | F 14 |
| S 15 | 17 57 55 | 29°25'32 | 19°34 | 6°55 | 29°56 | 8°51 | 21°37 | 19° 9 | 19°42 | 9°11 | 10°15 | 13°R49 | 12° 5 | 1°17 | 14°21 | S 15 |
| S 16 | 18 1 51 | 0♋22'43 | 2♊ 0 | 8°59 | 1♌ 7 | 9°32 | 21°32 | 19°D 9 | 19°43 | 9°11 | 10°16 | 13°48 | 12° 2 | 1°24 | 14°19 | S 16 |
| M17 | 18 5 48 | 1°19'54 | 14°16 | 11° 1 | 2°19 | 10°13 | 21°28 | 19° 9 | 19°45 | 9°11 | 10°17 | 13°44 | 11°59 | 1°31 | 14°17 | M17 |
| T 18 | 18 9 45 | 2°17'05 | 26°24 | 13° 1 | 3°31 | 10°54 | 21°23 | 19° 9 | 19°46 | 9°11 | 10°18 | 13°38 | 11°56 | 1°37 | 14°15 | T 18 |
| W19 | 18 13 41 | 3°14'17 | 8♋25 | 15° 0 | 4°43 | 11°34 | 21°19 | 19° 9 | 19°48 | 9°11 | 10°19 | 13°30 | 11°52 | 1°44 | 14°12 | W19 |
| T 20 | 18 17 38 | 4°11'29 | 20°21 | 16°56 | 5°55 | 12°15 | 21°15 | 19° 9 | 19°49 | 9°11 | 10°20 | 13°21 | 11°49 | 1°51 | 14°10 | T 20 |
| F 21 | 18 21 34 | 5° 8'41 | 2♌14 | 18°51 | 7° 7 | 12°56 | 21°12 | 19°10 | 19°51 | 9°12 | 10°21 | 13°11 | 11°46 | 1°57 | 14° 8 | F 21 |
| S 22 | 18 25 31 | 6° 5'53 | 14° 6 | 20°44 | 8°18 | 13°37 | 21° 8 | 19°10 | 19°52 | 9°12 | 10°21 | 13° 2 | 11°43 | 2° 4 | 14° 6 | S 22 |
| S 23 | 18 29 27 | 7° 3'05 | 25°58 | 22°35 | 9°30 | 14°17 | 21° 4 | 19°11 | 19°54 | 9°12 | 10°22 | 12°54 | 11°40 | 2°11 | 14° 4 | S 23 |
| M24 | 18 33 24 | 8° 0'17 | 7♍54 | 24°25 | 10°41 | 14°58 | 21° 1 | 19°12 | 19°56 | 9°12 | 10°23 | 12°47 | 11°36 | 2°18 | 14° 1 | M24 |
| T 25 | 18 37 20 | 8°57'29 | 19°57 | 26°12 | 11°53 | 15°38 | 20°58 | 19°12 | 19°57 | 9°13 | 10°24 | 12°43 | 11°33 | 2°24 | 13°59 | T 25 |
| W26 | 18 41 17 | 9°54'41 | 2♎12 | 27°57 | 13° 5 | 16°19 | 20°55 | 19°13 | 19°59 | 9°13 | 10°25 | 12°41 | 11°30 | 2°31 | 13°56 | W26 |
| T 27 | 18 45 14 | 10°51'54 | 14°42 | 29°41 | 14°16 | 16°59 | 20°52 | 19°14 | 20° 1 | 9°13 | 10°25 | 12°D41 | 11°27 | 2°38 | 13°54 | T 27 |
| F 28 | 18 49 10 | 11°49'06 | 27°34 | 1♌23 | 15°27 | 17°40 | 20°50 | 19°15 | 20° 3 | 9°14 | 10°26 | 12°42 | 11°24 | 2°44 | 13°52 | F 28 |
| S 29 | 18 53 7 | 12°46'19 | 10♏50 | 3° 2 | 16°39 | 18°20 | 20°47 | 19°17 | 20° 5 | 9°14 | 10°27 | 12°R42 | 11°21 | 2°51 | 13°49 | S 29 |
| S 30 | 18 57 3 | 13♋43'32 | 24♏34 | 4♌40 | 17♌50 | 19♊ 0 | 20♏45 | 19♎18 | 20♍ 7 | 9♎15 | 10♉28 | 12♉42 | 11♉17 | 2♌58 | 13♒46 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n49 | 11s26 | 1n 3 | 21n29 | 0s 5 | 24n30 | 1n36 | 20n10 | 0n 6 | 17s42 | 0n56 | 5s 9 | 2n39 | 4n53 | 0n45 | 2s 4 | 1n45 | 0n57 | 14s39 | 16n11 | 15n46 | 25n12 | 10s15 | 6n32 |
| S 2 | 22 55 | 17 0 | 0s12 | 22 0 | 0n 6 | 24 24 | 1 38 | 20 20 | 0 7 | 17 40 | 0 56 | 5 9 | 2 39 | 4 52 | 0 45 | 2 4 | 1 45 | 0 58 | 14 39 | 16 12 | 15 45 | 25 11 | 10 15 | 6 32 |
| M 3 | 23 1 | 21 48 | 1 28 | 22 29 | 0 17 | 24 17 | 1 39 | 20 29 | 0 7 | 17 39 | 0 55 | 5 8 | 2 39 | 4 52 | 0 45 | 2 4 | 1 45 | 0 58 | 14 39 | 16 11 | 15 44 | 25 10 | 10 15 | 6 33 |
| T 4 | 23 5 | 25 23 | 2 40 | 22 57 | 0 27 | 24 9 | 1 40 | 20 39 | 0 8 | 17 37 | 0 55 | 5 8 | 2 38 | 4 52 | 0 45 | 2 4 | 1 45 | 0 58 | 14 40 | 16 10 | 15 43 | 25 8 | 10 15 | 6 33 |
| W 5 | 23 10 | 27 16 | 3 43 | 23 22 | 0 37 | 24 1 | 1 40 | 20 48 | 0 9 | 17 36 | 0 55 | 5 8 | 2 38 | 4 51 | 0 45 | 2 4 | 1 45 | 0 58 | 14 40 | 16 9 | 15 42 | 25 7 | 10 15 | 6 33 |
| T 6 | 23 14 | 27 12 | 4 31 | 23 45 | 0 47 | 23 51 | 1 41 | 20 57 | 0 9 | 17 35 | 0 55 | 5 8 | 2 38 | 4 51 | 0 45 | 2 4 | 1 45 | 0 58 | 14 40 | 16 8 | 15 41 | 25 6 | 10 15 | 6 34 |
| F 7 | 23 18 | 25 9 | 5 1 | 24 5 | 0 56 | 23 41 | 1 42 | 21 5 | 0 10 | 17 33 | 0 55 | 5 8 | 2 37 | 4 51 | 0 45 | 2 4 | 1 45 | 0 58 | 14 40 | 16 6 | 15 40 | 25 4 | 10 15 | 6 34 |
| S 8 | 23 21 | 21 25 | 5 10 | 24 23 | 1 5 | 23 31 | 1 43 | 21 14 | 0 11 | 17 32 | 0 54 | 5 8 | 2 37 | 4 50 | 0 45 | 2 4 | 1 45 | 0 59 | 14 40 | 16 5 | 15 39 | 25 3 | 10 15 | 6 34 |
| S 9 | 23 24 | 16 25 | 4 59 | 24 38 | 1 12 | 23 20 | 1 43 | 21 22 | 0 11 | 17 31 | 0 54 | 5 8 | 2 37 | 4 50 | 0 45 | 2 3 | 1 45 | 0 59 | 14 40 | 16 4 | 15 38 | 25 2 | 10 15 | 6 35 |
| M10 | 23 27 | 10 38 | 4 29 | 24 50 | 1 20 | 23 8 | 1 44 | 21 30 | 0 12 | 17 30 | 0 54 | 5 8 | 2 37 | 4 49 | 0 45 | 2 3 | 1 44 | 0 59 | 14 41 | 16 3 | 15 37 | 25 0 | 10 16 | 6 35 |
| T 11 | 23 29 | 4 28 | 3 45 | 24 59 | 1 26 | 22 55 | 1 44 | 21 38 | 0 12 | 17 28 | 0 54 | 5 8 | 2 36 | 4 49 | 0 45 | 2 3 | 1 44 | 0 59 | 14 41 | 16 3 | 15 36 | 24 59 | 10 16 | 6 35 |
| W12 | 23 31 | 1n45 | 2 49 | 25 5 | 1 32 | 22 42 | 1 45 | 21 46 | 0 13 | 17 27 | 0 54 | 5 8 | 2 36 | 4 48 | 0 45 | 2 3 | 1 44 | 0 59 | 14 41 | 16 3 | 15 35 | 24 58 | 10 16 | 6 35 |
| T 13 | 23 32 | 7 45 | 1 45 | 25 9 | 1 37 | 22 28 | 1 45 | 21 53 | 0 14 | 17 26 | 0 53 | 5 8 | 2 36 | 4 48 | 0 45 | 2 4 | 1 44 | 0 59 | 14 41 | 16 3 | 15 34 | 24 56 | 10 16 | 6 36 |
| F 14 | 23 33 | 13 19 | 0 37 | 25 10 | 1 42 | 22 14 | 1 45 | 22 1 | 0 14 | 17 25 | 0 53 | 5 8 | 2 36 | 4 47 | 0 45 | 2 4 | 1 44 | 0 59 | 14 41 | 16 4 | 15 33 | 24 55 | 10 16 | 6 36 |
| S 15 | 23 33 | 18 12 | 0n31 | 25 8 | 1 45 | 21 59 | 1 45 | 22 8 | 0 15 | 17 24 | 0 53 | 5 8 | 2 35 | 4 47 | 0 45 | 2 4 | 1 44 | 0 59 | 14 42 | 16 4 | 15 32 | 24 54 | 10 17 | 6 36 |
| S 16 | 23 33 | 22 14 | 1 37 | 25 3 | 1 48 | 21 43 | 1 45 | 22 15 | 0 16 | 17 23 | 0 53 | 5 8 | 2 35 | 4 46 | 0 45 | 2 4 | 1 44 | 0 59 | 14 42 | 16 3 | 15 31 | 24 52 | 10 17 | 6 37 |
| M17 | 23 33 | 25 13 | 2 36 | 24 56 | 1 51 | 21 27 | 1 45 | 22 21 | 0 16 | 17 22 | 0 52 | 5 9 | 2 35 | 4 46 | 0 45 | 2 4 | 1 44 | 1 0 | 14 42 | 16 2 | 15 30 | 24 51 | 10 17 | 6 37 |
| T 18 | 23 32 | 26 59 | 3 29 | 24 46 | 1 52 | 21 10 | 1 45 | 22 28 | 0 17 | 17 21 | 0 52 | 5 9 | 2 35 | 4 45 | 0 45 | 2 4 | 1 44 | 1 0 | 14 42 | 16 0 | 15 29 | 24 50 | 10 18 | 6 37 |
| W19 | 23 31 | 27 27 | 4 11 | 24 34 | 1 53 | 20 53 | 1 45 | 22 34 | 0 18 | 17 20 | 0 52 | 5 9 | 2 34 | 4 45 | 0 45 | 2 4 | 1 44 | 1 0 | 14 42 | 15 58 | 15 28 | 24 48 | 10 18 | 6 38 |
| T 20 | 23 29 | 26 38 | 4 41 | 24 20 | 1 53 | 20 35 | 1 45 | 22 40 | 0 18 | 17 20 | 0 52 | 5 10 | 2 34 | 4 44 | 0 44 | 2 4 | 1 44 | 1 0 | 14 43 | 15 55 | 15 27 | 24 47 | 10 18 | 6 38 |
| F 21 | 23 27 | 24 37 | 5 0 | 24 4 | 1 52 | 20 16 | 1 45 | 22 46 | 0 19 | 17 19 | 0 52 | 5 10 | 2 34 | 4 43 | 0 44 | 2 4 | 1 44 | 1 0 | 14 43 | 15 52 | 15 26 | 24 45 | 10 19 | 6 38 |
| S 22 | 23 25 | 21 32 | 5 5 | 23 47 | 1 51 | 19 57 | 1 44 | 22 52 | 0 20 | 17 18 | 0 51 | 5 10 | 2 34 | 4 43 | 0 44 | 2 4 | 1 44 | 1 0 | 14 43 | 15 49 | 15 25 | 24 44 | 10 19 | 6 38 |
| S 23 | 23 22 | 17 35 | 4 58 | 23 27 | 1 49 | 19 37 | 1 44 | 22 57 | 0 20 | 17 17 | 0 51 | 5 11 | 2 33 | 4 42 | 0 44 | 2 4 | 1 44 | 1 0 | 14 43 | 15 47 | 15 24 | 24 42 | 10 19 | 6 39 |
| M24 | 23 19 | 12 55 | 4 37 | 23 6 | 1 47 | 19 17 | 1 43 | 23 3 | 0 21 | 17 17 | 0 51 | 5 11 | 2 33 | 4 41 | 0 44 | 2 5 | 1 44 | 1 0 | 14 43 | 15 45 | 15 23 | 24 41 | 10 20 | 6 39 |
| T 25 | 23 15 | 7 44 | 4 4 | 22 43 | 1 44 | 18 57 | 1 42 | 23 8 | 0 21 | 17 16 | 0 51 | 5 12 | 2 33 | 4 40 | 0 44 | 2 5 | 1 44 | 1 0 | 14 44 | 15 44 | 15 22 | 24 40 | 10 20 | 6 39 |
| W26 | 23 11 | 2 10 | 3 19 | 22 19 | 1 40 | 18 36 | 1 42 | 23 13 | 0 22 | 17 16 | 0 50 | 5 13 | 2 32 | 4 40 | 0 44 | 2 5 | 1 44 | 1 0 | 14 44 | 15 43 | 15 21 | 24 38 | 10 21 | 6 39 |
| T 27 | 23 6 | 3s37 | 2 24 | 21 53 | 1 36 | 18 14 | 1 41 | 23 17 | 0 23 | 17 15 | 0 50 | 5 13 | 2 32 | 4 39 | 0 44 | 2 5 | 1 44 | 1 0 | 14 44 | 15 43 | 15 20 | 24 37 | 10 21 | 6 39 |
| F 28 | 23 2 | 9 25 | 1 20 | 21 26 | 1 32 | 17 52 | 1 40 | 23 22 | 0 23 | 17 15 | 0 50 | 5 14 | 2 32 | 4 38 | 0 44 | 2 5 | 1 43 | 1 0 | 14 44 | 15 43 | 15 19 | 24 35 | 10 22 | 6 40 |
| S 29 | 22 56 | 14 59 | 0 10 | 20 59 | 1 27 | 17 29 | 1 39 | 23 26 | 0 24 | 17 14 | 0 50 | 5 15 | 2 32 | 4 37 | 0 44 | 2 6 | 1 43 | 1 0 | 14 45 | 15 44 | 15 18 | 24 34 | 10 22 | 6 40 |
| S 30 | 22n51 | 20s 1 | 1s 3 | 20n30 | 1n21 | 17n 7 | 1n38 | 23n30 | 0n25 | 17s14 | 0n49 | 5s15 | 2n31 | 4n37 | 0n44 | 2s 6 | 1n43 | 1n 0 | 14s45 | 15n43 | 15n17 | 24n32 | 10s23 | 6n40 |

Julian Day Number = 2133576.5, Delta T = 16m14s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'11, Lahiri = 11°43'11 Julian Calendar 1 June 1129 == Greg. Calendar 8 June 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## JULY 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 1 0 | 14♋40'46 | 8♐47 | 6♌16 | 19♌ 1 | 19♊40 | 20°R43 | 19♎19 | 20♍ 9 | 9♎15 | 10♉28 | 12°R39 | 11♉14 | 3♌ 5 | 13°R44 | M 1 |
| T 2 | 19 4 56 | 15°38'00 | 23°27 | 7°50 | 20°13 | 20°21 | 20♏41 | 19°21 | 20°11 | 9°16 | 10°29 | 12♉34 | 11°11 | 3°11 | 13♒41 | T 2 |
| W 3 | 19 8 53 | 16°35'14 | 8♑29 | 9°22 | 21°24 | 21° 1 | 20°40 | 19°22 | 20°13 | 9°17 | 10°30 | 12°27 | 11° 8 | 3°18 | 13°39 | W 3 |
| T 4 | 19 12 49 | 17°32'29 | 23°43 | 10°52 | 22°35 | 21°41 | 20°38 | 19°24 | 20°15 | 9°17 | 10°30 | 12°19 | 11° 5 | 3°25 | 13°36 | T 4 |
| F 5 | 19 16 46 | 18°29'45 | 9♒ 0 | 12°21 | 23°46 | 22°21 | 20°37 | 19°26 | 20°17 | 9°18 | 10°31 | 12° 9 | 11° 2 | 3°32 | 13°33 | F 5 |
| S 6 | 19 20 43 | 19°27'02 | 24° 8 | 13°47 | 24°57 | 23° 1 | 20°36 | 19°28 | 20°20 | 9°19 | 10°31 | 12° 0 | 10°58 | 3°38 | 13°30 | S 6 |
| S 7 | 19 24 39 | 20°24'19 | 8♓57 | 15°11 | 26° 8 | 23°41 | 20°35 | 19°30 | 20°22 | 9°19 | 10°32 | 11°53 | 10°55 | 3°45 | 13°28 | S 7 |
| M 8 | 19 28 36 | 21°21'37 | 23°22 | 16°34 | 27°19 | 24°20 | 20°34 | 19°32 | 20°24 | 9°20 | 10°33 | 11°48 | 10°52 | 3°52 | 13°25 | M 8 |
| T 9 | 19 32 32 | 22°18'56 | 7♈20 | 17°54 | 28°29 | 25° 0 | 20°33 | 19°34 | 20°27 | 9°21 | 10°33 | 11°45 | 10°49 | 3°58 | 13°22 | T 9 |
| W10 | 19 36 29 | 23°16'17 | 20°50 | 19°12 | 29°40 | 25°40 | 20°33 | 19°36 | 20°29 | 9°22 | 10°34 | 11°D44 | 10°46 | 4° 5 | 13°19 | W10 |
| T 11 | 19 40 25 | 24°13'38 | 3♉56 | 20°28 | 0♍51 | 26°20 | 20°33 | 19°38 | 20°32 | 9°22 | 10°34 | 11°44 | 10°42 | 4°12 | 13°16 | T 11 |
| F 12 | 19 44 22 | 25°11'01 | 16°40 | 21°42 | 2° 1 | 26°59 | 20°D33 | 19°41 | 20°34 | 9°23 | 10°35 | 11°R45 | 10°39 | 4°19 | 13°13 | F 12 |
| S 13 | 19 48 18 | 26° 8'25 | 29° 8 | 22°54 | 3°12 | 27°39 | 20°33 | 19°43 | 20°37 | 9°24 | 10°35 | 11°43 | 10°36 | 4°25 | 13°10 | S 13 |
| S 14 | 19 52 15 | 27° 5'50 | 11♊22 | 24° 3 | 4°22 | 28°19 | 20°33 | 19°46 | 20°39 | 9°25 | 10°36 | 11°40 | 10°33 | 4°32 | 13° 7 | S 14 |
| M15 | 19 56 12 | 28° 3'17 | 23°28 | 25°10 | 5°33 | 28°58 | 20°34 | 19°49 | 20°42 | 9°26 | 10°36 | 11°34 | 10°30 | 4°39 | 13° 4 | M15 |
| T 16 | 20 0 8 | 29° 0'44 | 5♋27 | 26°15 | 6°43 | 29°38 | 20°34 | 19°51 | 20°44 | 9°27 | 10°36 | 11°25 | 10°27 | 4°46 | 13° 1 | T 16 |
| W17 | 20 4 5 | 29°58'13 | 17°22 | 27°17 | 7°54 | 0♋17 | 20°35 | 19°54 | 20°47 | 9°28 | 10°37 | 11°14 | 10°23 | 4°52 | 12°58 | W17 |
| T 18 | 20 8 1 | 0♌55'43 | 29°14 | 28°16 | 9° 4 | 0°56 | 20°36 | 19°57 | 20°50 | 9°29 | 10°37 | 11° 1 | 10°20 | 4°59 | 12°55 | T 18 |
| F 19 | 20 11 58 | 1°53'14 | 11♌ 6 | 29°12 | 10°14 | 1°36 | 20°37 | 20° 0 | 20°53 | 9°30 | 10°37 | 10°47 | 10°17 | 5° 6 | 12°52 | F 19 |
| S 20 | 20 15 54 | 2°50'45 | 22°58 | 0♍ 5 | 11°24 | 2°15 | 20°39 | 20° 3 | 20°55 | 9°31 | 10°38 | 10°33 | 10°14 | 5°12 | 12°49 | S 20 |
| S 21 | 20 19 51 | 3°48'18 | 4♍53 | 0°56 | 12°34 | 2°54 | 20°40 | 20° 7 | 20°58 | 9°32 | 10°38 | 10°21 | 10°11 | 5°19 | 12°46 | S 21 |
| M22 | 20 23 48 | 4°45'52 | 16°52 | 1°43 | 13°44 | 3°34 | 20°42 | 20°10 | 21° 1 | 9°34 | 10°38 | 10°12 | 10° 8 | 5°26 | 12°43 | M22 |
| T 23 | 20 27 44 | 5°43'27 | 28°58 | 2°26 | 14°54 | 4°13 | 20°44 | 20°13 | 21° 4 | 9°35 | 10°39 | 10° 5 | 10° 4 | 5°33 | 12°40 | T 23 |
| W24 | 20 31 41 | 6°41'03 | 11♎14 | 3° 6 | 16° 4 | 4°52 | 20°46 | 20°17 | 21° 7 | 9°36 | 10°39 | 10° 1 | 10° 1 | 5°39 | 12°37 | W24 |
| T 25 | 20 35 37 | 7°38'40 | 23°43 | 3°42 | 17°14 | 5°31 | 20°49 | 20°20 | 21°10 | 9°37 | 10°39 | 9°59 | 9°58 | 5°46 | 12°33 | T 25 |
| F 26 | 20 39 34 | 8°36'18 | 6♏32 | 4°14 | 18°23 | 6°10 | 20°51 | 20°24 | 21°13 | 9°38 | 10°39 | 9°59 | 9°55 | 5°53 | 12°30 | F 26 |
| S 27 | 20 43 30 | 9°33'57 | 19°42 | 4°42 | 19°33 | 6°49 | 20°54 | 20°28 | 21°16 | 9°40 | 10°39 | 9°59 | 9°52 | 5°59 | 12°27 | S 27 |
| S 28 | 20 47 27 | 10°31'37 | 3♐19 | 5° 5 | 20°42 | 7°28 | 20°57 | 20°32 | 21°19 | 9°41 | 10°40 | 9°57 | 9°48 | 6° 6 | 12°24 | S 28 |
| M29 | 20 51 23 | 11°29'18 | 17°24 | 5°24 | 21°52 | 8° 6 | 21° 0 | 20°35 | 21°22 | 9°42 | 10°40 | 9°55 | 9°45 | 6°13 | 12°21 | M29 |
| T 30 | 20 55 20 | 12°27'01 | 1♑56 | 5°37 | 23° 1 | 8°45 | 21° 3 | 20°39 | 21°25 | 9°44 | 10°40 | 9°49 | 9°42 | 6°20 | 12°18 | T 30 |
| W31 | 20 59 17 | 13♌24'44 | 16♑53 | 5♍46 | 24♍10 | 9♋24 | 21♏ 6 | 20♎43 | 21♍28 | 9♎45 | 10♉40 | 9♉41 | 9♉39 | 6♌26 | 12♒15 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n44 | 24s 5 | 2s14 | 20n 0 | 1n15 | 16n43 | 1n36 | 23n34 | 0n25 | 17s14 | 0n49 | 5s16 | 2n31 | 4n36 | 0n44 | 2s 6 | 1n43 | 1n 0 | 14s45 | 15n43 | 15n16 | 24n31 | 10s23 | 6n40 |
| T 2 | 22 38 | 26 42 | 3 19 | 19 30 | 1 8 | 16 19 | 1 35 | 23 38 | 0 26 | 17 13 | 0 49 | 5 17 | 2 31 | 4 35 | 0 44 | 2 6 | 1 43 | 1 0 | 14 45 | 15 41 | 15 15 | 24 29 | 10 24 | 6 41 |
| W 3 | 22 31 | 27 28 | 4 12 | 18 59 | 1 2 | 15 55 | 1 34 | 23 41 | 0 27 | 17 13 | 0 49 | 5 18 | 2 31 | 4 34 | 0 44 | 2 7 | 1 43 | 1 0 | 14 46 | 15 39 | 15 14 | 24 28 | 10 24 | 6 41 |
| T 4 | 22 24 | 26 10 | 4 47 | 18 27 | 0 54 | 15 31 | 1 32 | 23 45 | 0 27 | 17 13 | 0 48 | 5 19 | 2 30 | 4 33 | 0 44 | 2 7 | 1 43 | 1 0 | 14 46 | 15 36 | 15 13 | 24 26 | 10 25 | 6 41 |
| F 5 | 22 16 | 22 57 | 5 2 | 17 55 | 0 47 | 15 6 | 1 31 | 23 48 | 0 28 | 17 13 | 0 48 | 5 20 | 2 30 | 4 32 | 0 44 | 2 7 | 1 43 | 1 0 | 14 46 | 15 33 | 15 12 | 24 25 | 10 26 | 6 41 |
| S 6 | 22 8 | 18 11 | 4 56 | 17 23 | 0 38 | 14 40 | 1 29 | 23 51 | 0 28 | 17 13 | 0 48 | 5 20 | 2 30 | 4 31 | 0 44 | 2 8 | 1 43 | 1 0 | 14 46 | 15 31 | 15 11 | 24 23 | 10 26 | 6 41 |
| S 7 | 22 0 | 12 25 | 4 30 | 16 50 | 0 30 | 14 14 | 1 28 | 23 53 | 0 29 | 17 13 | 0 48 | 5 21 | 2 30 | 4 30 | 0 44 | 2 8 | 1 43 | 0 59 | 14 47 | 15 28 | 15 10 | 24 22 | 10 27 | 6 41 |
| M 8 | 21 51 | 6 7 | 3 47 | 16 17 | 0 21 | 13 48 | 1 26 | 23 56 | 0 30 | 17 13 | 0 47 | 5 22 | 2 29 | 4 29 | 0 44 | 2 8 | 1 43 | 0 59 | 14 47 | 15 27 | 15 9 | 24 20 | 10 27 | 6 42 |
| T 9 | 21 42 | 0n17 | 2 52 | 15 44 | 0 12 | 13 22 | 1 24 | 23 58 | 0 30 | 17 13 | 0 47 | 5 24 | 2 29 | 4 28 | 0 44 | 2 9 | 1 43 | 0 59 | 14 47 | 15 26 | 15 8 | 24 19 | 10 28 | 6 42 |
| W10 | 21 32 | 6 30 | 1 49 | 15 11 | 0 3 | 12 55 | 1 22 | 24 0 | 0 31 | 17 13 | 0 47 | 5 25 | 2 29 | 4 27 | 0 44 | 2 9 | 1 43 | 0 59 | 14 47 | 15 26 | 15 7 | 24 17 | 10 29 | 6 42 |
| T 11 | 21 22 | 12 14 | 0 41 | 14 38 | 0s 7 | 12 28 | 1 20 | 24 2 | 0 32 | 17 13 | 0 47 | 5 26 | 2 28 | 4 26 | 0 44 | 2 9 | 1 43 | 0 59 | 14 48 | 15 26 | 15 6 | 24 16 | 10 29 | 6 42 |
| F 12 | 21 12 | 17 19 | 0n26 | 14 4 | 0 17 | 12 1 | 1 18 | 24 3 | 0 32 | 17 13 | 0 47 | 5 27 | 2 28 | 4 25 | 0 44 | 2 10 | 1 43 | 0 59 | 14 48 | 15 26 | 15 5 | 24 14 | 10 30 | 6 42 |
| S 13 | 21 1 | 21 32 | 1 31 | 13 31 | 0 27 | 11 33 | 1 16 | 24 5 | 0 33 | 17 14 | 0 46 | 5 28 | 2 28 | 4 24 | 0 44 | 2 10 | 1 43 | 0 59 | 14 48 | 15 25 | 15 4 | 24 13 | 10 31 | 6 42 |
| S 14 | 20 50 | 24 44 | 2 30 | 12 59 | 0 37 | 11 5 | 1 13 | 24 6 | 0 34 | 17 14 | 0 46 | 5 29 | 2 28 | 4 23 | 0 44 | 2 11 | 1 43 | 0 59 | 14 49 | 15 24 | 15 3 | 24 11 | 10 32 | 6 42 |
| M15 | 20 39 | 26 45 | 3 22 | 12 26 | 0 48 | 10 37 | 1 11 | 24 7 | 0 34 | 17 14 | 0 46 | 5 31 | 2 27 | 4 22 | 0 44 | 2 11 | 1 43 | 0 59 | 14 49 | 15 23 | 15 2 | 24 9 | 10 32 | 6 42 |
| T 16 | 20 27 | 27 30 | 4 4 | 11 54 | 0 59 | 10 9 | 1 8 | 24 8 | 0 35 | 17 15 | 0 46 | 5 32 | 2 27 | 4 21 | 0 44 | 2 11 | 1 43 | 0 58 | 14 49 | 15 20 | 15 1 | 24 8 | 10 33 | 6 42 |
| W17 | 20 15 | 26 57 | 4 35 | 11 23 | 1 10 | 9 40 | 1 6 | 24 9 | 0 35 | 17 15 | 0 45 | 5 33 | 2 27 | 4 20 | 0 43 | 2 12 | 1 43 | 0 58 | 14 49 | 15 16 | 15 0 | 24 6 | 10 34 | 6 43 |
| T 18 | 20 3 | 25 11 | 4 53 | 10 52 | 1 21 | 9 11 | 1 3 | 24 9 | 0 36 | 17 16 | 0 45 | 5 34 | 2 27 | 4 19 | 0 43 | 2 12 | 1 42 | 0 58 | 14 50 | 15 12 | 14 59 | 24 5 | 10 35 | 6 43 |
| F 19 | 19 50 | 22 19 | 5 0 | 10 22 | 1 32 | 8 42 | 1 0 | 24 9 | 0 37 | 17 16 | 0 45 | 5 36 | 2 26 | 4 18 | 0 43 | 2 13 | 1 42 | 0 58 | 14 50 | 15 8 | 14 58 | 24 3 | 10 35 | 6 43 |
| S 20 | 19 37 | 18 32 | 4 53 | 9 53 | 1 43 | 8 13 | 0 58 | 24 9 | 0 37 | 17 17 | 0 45 | 5 37 | 2 26 | 4 17 | 0 43 | 2 13 | 1 42 | 0 58 | 14 50 | 15 4 | 14 57 | 24 1 | 10 36 | 6 43 |
| S 21 | 19 24 | 14 0 | 4 33 | 9 24 | 1 55 | 7 43 | 0 55 | 24 9 | 0 38 | 17 18 | 0 44 | 5 39 | 2 26 | 4 16 | 0 43 | 2 14 | 1 42 | 0 58 | 14 50 | 15 0 | 14 56 | 24 0 | 10 37 | 6 43 |
| M22 | 19 10 | 8 55 | 4 1 | 8 57 | 2 6 | 7 13 | 0 52 | 24 9 | 0 39 | 17 18 | 0 44 | 5 40 | 2 26 | 4 14 | 0 43 | 2 14 | 1 42 | 0 57 | 14 51 | 14 57 | 14 55 | 23 58 | 10 38 | 6 43 |
| T 23 | 18 56 | 3 27 | 3 18 | 8 31 | 2 18 | 6 44 | 0 49 | 24 8 | 0 39 | 17 19 | 0 44 | 5 42 | 2 25 | 4 13 | 0 43 | 2 15 | 1 42 | 0 57 | 14 51 | 14 55 | 14 54 | 23 57 | 10 39 | 6 43 |
| W24 | 18 41 | 2s14 | 2 26 | 8 6 | 2 29 | 6 13 | 0 46 | 24 8 | 0 40 | 17 20 | 0 44 | 5 43 | 2 25 | 4 12 | 0 43 | 2 15 | 1 42 | 0 57 | 14 51 | 14 53 | 14 53 | 23 55 | 10 39 | 6 43 |
| T 25 | 18 27 | 7 56 | 1 25 | 7 42 | 2 41 | 5 43 | 0 43 | 24 7 | 0 40 | 17 21 | 0 43 | 5 45 | 2 25 | 4 11 | 0 43 | 2 16 | 1 42 | 0 57 | 14 52 | 14 53 | 14 52 | 23 53 | 10 40 | 6 43 |
| F 26 | 18 12 | 13 28 | 0 18 | 7 20 | 2 52 | 5 13 | 0 39 | 24 6 | 0 41 | 17 22 | 0 43 | 5 46 | 2 25 | 4 10 | 0 43 | 2 16 | 1 42 | 0 57 | 14 52 | 14 53 | 14 51 | 23 52 | 10 41 | 6 43 |
| S 27 | 17 57 | 18 34 | 0s51 | 7 0 | 3 3 | 4 43 | 0 36 | 24 4 | 0 42 | 17 23 | 0 43 | 5 48 | 2 25 | 4 8 | 0 43 | 2 17 | 1 42 | 0 56 | 14 52 | 14 53 | 14 50 | 23 50 | 10 42 | 6 43 |
| S 28 | 17 41 | 22 53 | 2 0 | 6 41 | 3 14 | 4 12 | 0 33 | 24 3 | 0 42 | 17 24 | 0 43 | 5 50 | 2 24 | 4 7 | 0 43 | 2 18 | 1 42 | 0 56 | 14 52 | 14 52 | 14 49 | 23 48 | 10 43 | 6 43 |
| M29 | 17 25 | 26 0 | 3 4 | 6 24 | 3 25 | 3 41 | 0 29 | 24 1 | 0 43 | 17 25 | 0 42 | 5 51 | 2 24 | 4 6 | 0 43 | 2 18 | 1 42 | 0 56 | 14 53 | 14 51 | 14 48 | 23 47 | 10 44 | 6 43 |
| T 30 | 17 9 | 27 30 | 3 58 | 6 10 | 3 35 | 3 11 | 0 26 | 23 59 | 0 44 | 17 26 | 0 42 | 5 53 | 2 24 | 4 5 | 0 43 | 2 19 | 1 42 | 0 56 | 14 53 | 14 50 | 14 47 | 23 45 | 10 45 | 6 43 |
| W31 | 16n53 | 27s 4 | 4s37 | 5n58 | 3s45 | 2n40 | 0n22 | 23n57 | 0n44 | 17s27 | 0n42 | 5s55 | 2n24 | 4n 3 | 0n43 | 2s19 | 1n42 | 0n56 | 14s53 | 14n47 | 14n46 | 23n43 | 10s45 | 6n43 |

Julian Day Number = 2133606.5, Delta T = 16m13s
Ecliptic obliquity = 23°33'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'15, Lahiri = 11°43'15 Julian Calendar 1 July 1129 == Greg. Calendar 8 July 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## AUGUST 1129 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 3 13 | 14♌22'29 | 2♒ 7 | 5°R49 | 25♍19 | 10♋ 3 | 21♏10 | 20♎48 | 21♍32 | 9♎47 | 10♉40 | 9°R31 | 9♉36 | 6♌33 | 12°R12 | T 1 |
| F 2 | 21 7 10 | 15°20'15 | 17°27 | 5♍46 | 26°29 | 10°41 | 21°14 | 20°52 | 21°35 | 9°48 | 10°40 | 9♉20 | 9°33 | 6°40 | 12♒ 8 | F 2 |
| S 3 | 21 11 6 | 16°18'03 | 2♓42 | 5°38 | 27°37 | 11°20 | 21°18 | 20°56 | 21°38 | 9°50 | 10°40 | 9°10 | 9°29 | 6°47 | 12° 5 | S 3 |
| S 4 | 21 15 3 | 17°15'52 | 17°41 | 5°24 | 28°46 | 11°58 | 21°22 | 21° 0 | 21°41 | 9°51 | 10°R40 | 9° 1 | 9°26 | 6°53 | 12° 2 | S 4 |
| M 5 | 21 18 59 | 18°13'43 | 2♈16 | 5° 4 | 29°55 | 12°37 | 21°26 | 21° 5 | 21°44 | 9°53 | 10°40 | 8°55 | 9°23 | 7° 0 | 11°59 | M 5 |
| T 6 | 21 22 56 | 19°11'35 | 16°22 | 4°38 | 1♎ 4 | 13°15 | 21°30 | 21° 9 | 21°48 | 9°54 | 10°40 | 8°51 | 9°20 | 7° 7 | 11°56 | T 6 |
| W 7 | 21 26 52 | 20° 9'30 | 29°59 | 4° 6 | 2°12 | 13°54 | 21°35 | 21°14 | 21°51 | 9°56 | 10°40 | 8°50 | 9°17 | 7°13 | 11°53 | W 7 |
| T 8 | 21 30 49 | 21° 7'26 | 13♉ 8 | 3°29 | 3°21 | 14°32 | 21°39 | 21°18 | 21°54 | 9°57 | 10°40 | 8°D49 | 9°14 | 7°20 | 11°50 | T 8 |
| F 9 | 21 34 46 | 22° 5'24 | 25°53 | 2°47 | 4°29 | 15°10 | 21°44 | 21°23 | 21°58 | 9°59 | 10°40 | 8°R49 | 9°10 | 7°27 | 11°47 | F 9 |
| S 10 | 21 38 42 | 23° 3'25 | 8♊19 | 2° 0 | 5°37 | 15°49 | 21°49 | 21°28 | 22° 1 | 10° 1 | 10°40 | 8°49 | 9° 7 | 7°34 | 11°44 | S 10 |
| S 11 | 21 42 39 | 24° 1'27 | 20°29 | 1° 9 | 6°45 | 16°27 | 21°55 | 21°33 | 22° 5 | 10° 2 | 10°40 | 8°46 | 9° 4 | 7°40 | 11°41 | S 11 |
| M12 | 21 46 35 | 24°59'31 | 2♋30 | 0°15 | 7°53 | 17° 5 | 22° 0 | 21°38 | 22° 8 | 10° 4 | 10°39 | 8°40 | 9° 1 | 7°47 | 11°38 | M12 |
| T 13 | 21 50 32 | 25°57'37 | 14°25 | 29♌18 | 9° 1 | 17°43 | 22° 5 | 21°43 | 22°12 | 10° 6 | 10°39 | 8°32 | 8°58 | 7°54 | 11°35 | T 13 |
| W14 | 21 54 28 | 26°55'45 | 26°16 | 28°21 | 10° 9 | 18°21 | 22°11 | 21°48 | 22°15 | 10° 7 | 10°39 | 8°22 | 8°54 | 8° 1 | 11°32 | W14 |
| T 15 | 21 58 25 | 27°53'55 | 8♌ 8 | 27°23 | 11°17 | 18°59 | 22°17 | 21°53 | 22°19 | 10° 9 | 10°39 | 8°10 | 8°51 | 8° 7 | 11°29 | T 15 |
| F 16 | 22 2 21 | 28°52'06 | 20° 1 | 26°27 | 12°24 | 19°37 | 22°23 | 21°58 | 22°22 | 10°11 | 10°39 | 7°57 | 8°48 | 8°14 | 11°26 | F 16 |
| S 17 | 22 6 18 | 29°50'20 | 1♍58 | 25°34 | 13°31 | 20°15 | 22°29 | 22° 3 | 22°26 | 10°13 | 10°38 | 7°44 | 8°45 | 8°21 | 11°23 | S 17 |
| S 18 | 22 10 15 | 0♍48'35 | 13°59 | 24°44 | 14°39 | 20°53 | 22°35 | 22° 9 | 22°29 | 10°15 | 10°38 | 7°33 | 8°42 | 8°27 | 11°20 | S 18 |
| M19 | 22 14 11 | 1°46'52 | 26° 6 | 24° 0 | 15°46 | 21°31 | 22°42 | 22°14 | 22°33 | 10°16 | 10°38 | 7°24 | 8°39 | 8°34 | 11°17 | M19 |
| T 20 | 22 18 8 | 2°45'10 | 8♎21 | 23°21 | 16°53 | 22° 9 | 22°48 | 22°19 | 22°36 | 10°18 | 10°38 | 7°17 | 8°35 | 8°41 | 11°14 | T 20 |
| W21 | 22 22 4 | 3°43'30 | 20°45 | 22°50 | 18° 0 | 22°46 | 22°55 | 22°25 | 22°40 | 10°20 | 10°37 | 7°14 | 8°32 | 8°48 | 11°11 | W21 |
| T 22 | 22 26 1 | 4°41'52 | 3♏21 | 22°26 | 19° 6 | 23°24 | 23° 2 | 22°30 | 22°44 | 10°22 | 10°37 | 7°D12 | 8°29 | 8°54 | 11° 8 | T 22 |
| F 23 | 22 29 57 | 5°40'16 | 16°12 | 22°11 | 20°13 | 24° 1 | 23° 9 | 22°36 | 22°47 | 10°24 | 10°36 | 7°13 | 8°26 | 9° 1 | 11° 6 | F 23 |
| S 24 | 22 33 54 | 6°38'41 | 29°22 | 22°D 5 | 21°19 | 24°39 | 23°16 | 22°42 | 22°51 | 10°26 | 10°36 | 7°13 | 8°23 | 9° 8 | 11° 3 | S 24 |
| S 25 | 22 37 50 | 7°37'08 | 12♐53 | 22° 8 | 22°26 | 25°16 | 23°23 | 22°47 | 22°55 | 10°28 | 10°36 | 7°R13 | 8°20 | 9°14 | 11° 0 | S 25 |
| M26 | 22 41 47 | 8°35'37 | 26°48 | 22°20 | 23°32 | 25°54 | 23°31 | 22°53 | 22°58 | 10°30 | 10°35 | 7°12 | 8°16 | 9°21 | 10°58 | M26 |
| T 27 | 22 45 43 | 9°34'07 | 11♑ 8 | 22°42 | 24°38 | 26°31 | 23°38 | 22°59 | 23° 2 | 10°32 | 10°35 | 7° 8 | 8°13 | 9°28 | 10°55 | T 27 |
| W28 | 22 49 40 | 10°32'39 | 25°48 | 23°13 | 25°43 | 27° 9 | 23°46 | 23° 5 | 23° 6 | 10°34 | 10°34 | 7° 2 | 8°10 | 9°35 | 10°52 | W28 |
| T 29 | 22 53 37 | 11°31'13 | 10♒46 | 23°52 | 26°49 | 27°46 | 23°54 | 23°11 | 23°10 | 10°36 | 10°34 | 6°55 | 8° 7 | 9°41 | 10°50 | T 29 |
| F 30 | 22 57 33 | 12°29'48 | 25°53 | 24°40 | 27°54 | 28°23 | 24° 2 | 23°17 | 23°13 | 10°38 | 10°33 | 6°47 | 8° 4 | 9°48 | 10°47 | F 30 |
| S 31 | 23 1 30 | 13♍28'25 | 10♓58 | 25♌36 | 29♎ 0 | 29♋ 0 | 24♏10 | 23♎23 | 23♍17 | 10♎40 | 10♉33 | 6♉39 | 8♉ 0 | 9♌55 | 10♒45 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n36 | 24s37 | 4s58 | 5n48 | 3s54 | 2n 9 | 0n18 | 23n55 | 0n45 | 17s28 | 0n42 | 5s56 | 2n23 | 4n 2 | 0n43 | 2s20 | 1n42 | 0n55 | 14s54 | 14n44 | 14n45 | 23n42 | 10s46 | 6n43 |
| F 2 | 16 19 | 20 23 | 4 57 | 5 41 | 4 2 | 1 38 | 0 15 | 23 53 | 0 45 | 17 29 | 0 42 | 5 58 | 2 23 | 4 1 | 0 43 | 2 21 | 1 42 | 0 55 | 14 54 | 14 40 | 14 44 | 23 40 | 10 47 | 6 43 |
| S 3 | 16 2 | 14 50 | 4 36 | 5 37 | 4 10 | 1 7 | 0 11 | 23 50 | 0 46 | 17 30 | 0 41 | 6 0 | 2 23 | 4 0 | 0 43 | 2 21 | 1 42 | 0 55 | 14 54 | 14 37 | 14 43 | 23 38 | 10 48 | 6 43 |
| S 4 | 15 44 | 8 30 | 3 55 | 5 36 | 4 17 | 0 36 | 0 7 | 23 47 | 0 47 | 17 32 | 0 41 | 6 2 | 2 23 | 3 58 | 0 43 | 2 22 | 1 42 | 0 55 | 14 54 | 14 34 | 14 42 | 23 36 | 10 49 | 6 43 |
| M 5 | 15 26 | 1 51 | 3 0 | 5 38 | 4 23 | 0 5 | 0 3 | 23 44 | 0 47 | 17 33 | 0 41 | 6 4 | 2 23 | 3 57 | 0 43 | 2 22 | 1 42 | 0 54 | 14 55 | 14 32 | 14 41 | 23 35 | 10 50 | 6 42 |
| T 6 | 15 8 | 4n41 | 1 56 | 5 43 | 4 27 | 0s26 | 0s 1 | 23 41 | 0 48 | 17 34 | 0 41 | 6 6 | 2 22 | 3 56 | 0 43 | 2 23 | 1 42 | 0 54 | 14 55 | 14 31 | 14 40 | 23 33 | 10 51 | 6 42 |
| W 7 | 14 50 | 10 48 | 0 47 | 5 51 | 4 30 | 0 57 | 0 5 | 23 38 | 0 49 | 17 36 | 0 40 | 6 8 | 2 22 | 3 54 | 0 43 | 2 24 | 1 42 | 0 54 | 14 55 | 14 31 | 14 39 | 23 31 | 10 52 | 6 42 |
| T 8 | 14 32 | 16 13 | 0n23 | 6 3 | 4 32 | 1 28 | 0 9 | 23 34 | 0 49 | 17 37 | 0 40 | 6 9 | 2 22 | 3 53 | 0 43 | 2 24 | 1 42 | 0 53 | 14 55 | 14 31 | 14 38 | 23 30 | 10 53 | 6 42 |
| F 9 | 14 13 | 20 46 | 1 29 | 6 18 | 4 32 | 1 59 | 0 13 | 23 31 | 0 50 | 17 39 | 0 40 | 6 11 | 2 22 | 3 51 | 0 43 | 2 25 | 1 42 | 0 53 | 14 56 | 14 31 | 14 37 | 23 28 | 10 54 | 6 42 |
| S 10 | 13 54 | 24 15 | 2 29 | 6 36 | 4 30 | 2 30 | 0 17 | 23 27 | 0 51 | 17 40 | 0 40 | 6 13 | 2 21 | 3 50 | 0 43 | 2 26 | 1 41 | 0 53 | 14 56 | 14 30 | 14 36 | 23 26 | 10 55 | 6 42 |
| S 11 | 13 35 | 26 34 | 3 21 | 6 58 | 4 27 | 3 1 | 0 22 | 23 23 | 0 51 | 17 42 | 0 40 | 6 15 | 2 21 | 3 49 | 0 43 | 2 26 | 1 41 | 0 53 | 14 56 | 14 29 | 14 35 | 23 24 | 10 56 | 6 42 |
| M12 | 13 15 | 27 36 | 4 4 | 7 22 | 4 21 | 3 32 | 0 26 | 23 19 | 0 52 | 17 43 | 0 39 | 6 17 | 2 21 | 3 47 | 0 43 | 2 27 | 1 41 | 0 52 | 14 57 | 14 28 | 14 34 | 23 22 | 10 56 | 6 42 |
| T 13 | 12 56 | 27 20 | 4 35 | 7 48 | 4 14 | 4 3 | 0 30 | 23 14 | 0 52 | 17 45 | 0 39 | 6 19 | 2 21 | 3 46 | 0 43 | 2 28 | 1 41 | 0 52 | 14 57 | 14 25 | 14 33 | 23 21 | 10 57 | 6 42 |
| W14 | 12 36 | 25 49 | 4 55 | 8 17 | 4 5 | 4 34 | 0 35 | 23 10 | 0 53 | 17 47 | 0 39 | 6 22 | 2 21 | 3 45 | 0 43 | 2 29 | 1 41 | 0 52 | 14 57 | 14 22 | 14 32 | 23 19 | 10 58 | 6 41 |
| T 15 | 12 16 | 23 10 | 5 1 | 8 47 | 3 53 | 5 5 | 0 39 | 23 5 | 0 54 | 17 48 | 0 39 | 6 24 | 2 20 | 3 43 | 0 43 | 2 29 | 1 41 | 0 51 | 14 57 | 14 18 | 14 31 | 23 17 | 10 59 | 6 41 |
| F 16 | 11 55 | 19 32 | 4 55 | 9 18 | 3 40 | 5 35 | 0 43 | 23 0 | 0 54 | 17 50 | 0 38 | 6 26 | 2 20 | 3 42 | 0 43 | 2 30 | 1 41 | 0 51 | 14 58 | 14 13 | 14 30 | 23 15 | 11 0 | 6 41 |
| S 17 | 11 35 | 15 6 | 4 35 | 9 50 | 3 26 | 6 6 | 0 48 | 22 55 | 0 55 | 17 52 | 0 38 | 6 28 | 2 20 | 3 40 | 0 43 | 2 31 | 1 41 | 0 51 | 14 58 | 14 9 | 14 29 | 23 14 | 11 1 | 6 41 |
| S 18 | 11 14 | 10 4 | 4 3 | 10 21 | 3 10 | 6 36 | 0 52 | 22 50 | 0 56 | 17 54 | 0 38 | 6 30 | 2 20 | 3 39 | 0 43 | 2 31 | 1 41 | 0 50 | 14 58 | 14 6 | 14 28 | 23 12 | 11 2 | 6 41 |
| M19 | 10 54 | 4 37 | 3 20 | 10 52 | 2 53 | 7 7 | 0 57 | 22 45 | 0 56 | 17 55 | 0 38 | 6 32 | 2 20 | 3 37 | 0 43 | 2 32 | 1 41 | 0 50 | 14 58 | 14 3 | 14 27 | 23 10 | 11 3 | 6 41 |
| T 20 | 10 33 | 1s 4 | 2 27 | 11 22 | 2 35 | 7 37 | 1 2 | 22 40 | 0 57 | 17 57 | 0 38 | 6 34 | 2 20 | 3 36 | 0 43 | 2 33 | 1 41 | 0 50 | 14 59 | 14 1 | 14 26 | 23 8 | 11 4 | 6 40 |
| W21 | 10 11 | 6 48 | 1 27 | 11 50 | 2 16 | 8 7 | 1 6 | 22 34 | 0 57 | 17 59 | 0 37 | 6 37 | 2 19 | 3 35 | 0 43 | 2 34 | 1 41 | 0 49 | 14 59 | 13 59 | 14 25 | 23 6 | 11 5 | 6 40 |
| T 22 | 9 50 | 12 22 | 0 21 | 12 16 | 1 57 | 8 37 | 1 11 | 22 28 | 0 58 | 18 1 | 0 37 | 6 39 | 2 19 | 3 33 | 0 43 | 2 34 | 1 41 | 0 49 | 14 59 | 13 59 | 14 24 | 23 4 | 11 6 | 6 40 |
| F 23 | 9 29 | 17 32 | 0s48 | 12 39 | 1 37 | 9 6 | 1 16 | 22 22 | 0 59 | 18 3 | 0 37 | 6 41 | 2 19 | 3 32 | 0 43 | 2 35 | 1 41 | 0 49 | 15 0 | 13 59 | 14 23 | 23 3 | 11 7 | 6 40 |
| S 24 | 9 7 | 21 59 | 1 56 | 12 59 | 1 18 | 9 36 | 1 20 | 22 16 | 0 59 | 18 5 | 0 37 | 6 43 | 2 19 | 3 30 | 0 43 | 2 36 | 1 41 | 0 48 | 15 0 | 13 59 | 14 22 | 23 1 | 11 8 | 6 39 |
| S 25 | 8 45 | 25 24 | 2 59 | 13 16 | 0 59 | 10 5 | 1 25 | 22 10 | 1 0 | 18 7 | 0 37 | 6 45 | 2 19 | 3 29 | 0 43 | 2 37 | 1 41 | 0 48 | 15 0 | 13 59 | 14 21 | 22 59 | 11 9 | 6 39 |
| M26 | 8 23 | 27 24 | 3 53 | 13 29 | 0 41 | 10 34 | 1 30 | 22 4 | 1 1 | 18 9 | 0 36 | 6 48 | 2 19 | 3 27 | 0 43 | 2 38 | 1 41 | 0 47 | 15 0 | 13 59 | 14 20 | 22 57 | 11 10 | 6 39 |
| T 27 | 8 1 | 27 39 | 4 35 | 13 39 | 0 23 | 11 3 | 1 35 | 21 57 | 1 1 | 18 11 | 0 36 | 6 50 | 2 18 | 3 26 | 0 43 | 2 38 | 1 41 | 0 47 | 15 1 | 13 58 | 14 19 | 22 55 | 11 11 | 6 39 |
| W28 | 7 39 | 25 59 | 4 59 | 13 45 | 0 6 | 11 32 | 1 39 | 21 50 | 1 2 | 18 13 | 0 36 | 6 52 | 2 18 | 3 24 | 0 43 | 2 39 | 1 41 | 0 47 | 15 1 | 13 56 | 14 18 | 22 53 | 11 12 | 6 39 |
| T 29 | 7 17 | 22 29 | 5 4 | 13 47 | 0n10 | 12 0 | 1 44 | 21 44 | 1 2 | 18 16 | 0 36 | 6 55 | 2 18 | 3 23 | 0 43 | 2 40 | 1 41 | 0 46 | 15 1 | 13 53 | 14 17 | 22 51 | 11 13 | 6 38 |
| F 30 | 6 54 | 17 28 | 4 49 | 13 45 | 0 24 | 12 28 | 1 49 | 21 37 | 1 3 | 18 18 | 0 36 | 6 57 | 2 18 | 3 21 | 0 43 | 2 41 | 1 41 | 0 46 | 15 1 | 13 51 | 14 16 | 22 50 | 11 13 | 6 38 |
| S 31 | 6n32 | 11s22 | 4s13 | 13n39 | 0n38 | 12s56 | 1s54 | 21n30 | 1n 4 | 18s20 | 0n35 | 6s59 | 2n18 | 3n20 | 0n43 | 2s42 | 1n41 | 0n46 | 15s 2 | 13n48 | 14n15 | 22n48 | 11s14 | 6n38 |

Julian Day Number = 2133637.5, Delta T = 16m13s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'19, Lahiri = 11°43'19 Julian Calendar 1 Aug. 1129 == Greg. Calendar 8 Aug. 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## SEPTEMBER 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 5 26 | 14♍27'04 | 25♓53 | 26♌40 | 0♏ 4 | 29♋37 | 24♏18 | 23♎29 | 23♍21 | 10♎42 | 10°R32 | 6°R32 | 7♉57 | 10♌ 2 | 10°R42 | S 1 |
| M 2 | 23 9 23 | 15°25'45 | 10♈28 | 27°50 | 1° 9 | 0♌14 | 24°26 | 23°35 | 23°24 | 10°44 | 10♉32 | 6♉27 | 7°54 | 10° 8 | 10♒40 | M 2 |
| T 3 | 23 13 19 | 16°24'29 | 24°38 | 29° 6 | 2°14 | 0°51 | 24°35 | 23°41 | 23°28 | 10°46 | 10°31 | 6°24 | 7°51 | 10°15 | 10°38 | T 3 |
| W 4 | 23 17 16 | 17°23'14 | 8♉20 | 0♍28 | 3°18 | 1°28 | 24°43 | 23°47 | 23°32 | 10°48 | 10°30 | 6°D24 | 7°48 | 10°22 | 10°35 | W 4 |
| T 5 | 23 21 12 | 18°22'02 | 21°35 | 1°55 | 4°22 | 2° 5 | 24°52 | 23°53 | 23°36 | 10°50 | 10°30 | 6°25 | 7°45 | 10°28 | 10°33 | T 5 |
| F 6 | 23 25 9 | 19°20'52 | 4♊25 | 3°26 | 5°26 | 2°42 | 25° 1 | 24° 0 | 23°40 | 10°52 | 10°29 | 6°26 | 7°41 | 10°35 | 10°31 | F 6 |
| S 7 | 23 29 6 | 20°19'45 | 16°54 | 5° 0 | 6°30 | 3°19 | 25°10 | 24° 6 | 23°43 | 10°54 | 10°29 | 6°R27 | 7°38 | 10°42 | 10°29 | S 7 |
| S 8 | 23 33 2 | 21°18'40 | 29° 6 | 6°38 | 7°33 | 3°56 | 25°19 | 24°12 | 23°47 | 10°56 | 10°28 | 6°26 | 7°35 | 10°49 | 10°27 | S 8 |
| M 9 | 23 36 59 | 22°17'37 | 11♋ 7 | 8°18 | 8°37 | 4°32 | 25°28 | 24°19 | 23°51 | 10°59 | 10°27 | 6°24 | 7°32 | 10°55 | 10°25 | M 9 |
| T 10 | 23 40 55 | 23°16'37 | 23° 1 | 10° 0 | 9°40 | 5° 9 | 25°37 | 24°25 | 23°55 | 11° 1 | 10°26 | 6°21 | 7°29 | 11° 2 | 10°23 | T 10 |
| W11 | 23 44 52 | 24°15'38 | 4♌53 | 11°44 | 10°42 | 5°45 | 25°47 | 24°32 | 23°58 | 11° 3 | 10°26 | 6°15 | 7°26 | 11° 9 | 10°21 | W11 |
| T 12 | 23 48 48 | 25°14'42 | 16°45 | 13°29 | 11°45 | 6°22 | 25°56 | 24°38 | 24° 2 | 11° 5 | 10°25 | 6° 8 | 7°22 | 11°16 | 10°19 | T 12 |
| F 13 | 23 52 45 | 26°13'49 | 28°42 | 15°15 | 12°47 | 6°58 | 26° 6 | 24°45 | 24° 6 | 11° 7 | 10°24 | 6° 0 | 7°19 | 11°22 | 10°17 | F 13 |
| S 14 | 23 56 41 | 27°12'57 | 10♍44 | 17° 2 | 13°49 | 7°35 | 26°16 | 24°52 | 24°10 | 11° 9 | 10°23 | 5°53 | 7°16 | 11°29 | 10°15 | S 14 |
| S 15 | 0 0 38 | 28°12'08 | 22°55 | 18°49 | 14°50 | 8°11 | 26°25 | 24°58 | 24°14 | 11°12 | 10°23 | 5°46 | 7°13 | 11°36 | 10°13 | S 15 |
| M16 | 0 4 35 | 29°11'20 | 5♎14 | 20°36 | 15°52 | 8°47 | 26°35 | 25° 5 | 24°17 | 11°14 | 10°22 | 5°41 | 7°10 | 11°42 | 10°12 | M16 |
| T 17 | 0 8 31 | 0♎10'35 | 17°44 | 22°23 | 16°53 | 9°24 | 26°45 | 25°12 | 24°21 | 11°16 | 10°21 | 5°38 | 7° 6 | 11°49 | 10°10 | T 17 |
| W18 | 0 12 28 | 1° 9'52 | 0♏24 | 24°10 | 17°53 | 10° 0 | 26°56 | 25°18 | 24°25 | 11°18 | 10°20 | 5°D36 | 7° 3 | 11°56 | 10° 8 | W18 |
| T 19 | 0 16 24 | 2° 9'11 | 13°16 | 25°57 | 18°54 | 10°36 | 27° 6 | 25°25 | 24°29 | 11°20 | 10°19 | 5°36 | 7° 0 | 12° 3 | 10° 7 | T 19 |
| F 20 | 0 20 21 | 3° 8'31 | 26°21 | 27°43 | 19°54 | 11°12 | 27°16 | 25°32 | 24°32 | 11°23 | 10°19 | 5°38 | 6°57 | 12° 9 | 10° 5 | F 20 |
| S 21 | 0 24 17 | 4° 7'54 | 9♐41 | 29°29 | 20°53 | 11°48 | 27°27 | 25°39 | 24°36 | 11°25 | 10°18 | 5°39 | 6°54 | 12°16 | 10° 4 | S 21 |
| S 22 | 0 28 14 | 5° 7'18 | 23°16 | 1♎14 | 21°52 | 12°24 | 27°37 | 25°46 | 24°40 | 11°27 | 10°17 | 5°41 | 6°51 | 12°23 | 10° 2 | S 22 |
| M23 | 0 32 10 | 6° 6'45 | 7♑ 7 | 2°59 | 22°51 | 12°59 | 27°48 | 25°52 | 24°44 | 11°29 | 10°16 | 5°R41 | 6°47 | 12°29 | 10° 1 | M23 |
| T 24 | 0 36 7 | 7° 6'13 | 21°15 | 4°43 | 23°50 | 13°35 | 27°59 | 25°59 | 24°47 | 11°32 | 10°15 | 5°40 | 6°44 | 12°36 | 10° 0 | T 24 |
| W25 | 0 40 4 | 8° 5'42 | 5♒38 | 6°27 | 24°48 | 14°11 | 28° 9 | 26° 6 | 24°51 | 11°34 | 10°14 | 5°38 | 6°41 | 12°43 | 9°59 | W25 |
| T 26 | 0 44 0 | 9° 5'14 | 20°13 | 8°10 | 25°45 | 14°46 | 28°20 | 26°13 | 24°55 | 11°36 | 10°13 | 5°35 | 6°38 | 12°50 | 9°58 | T 26 |
| F 27 | 0 47 57 | 10° 4'47 | 4♓54 | 9°52 | 26°42 | 15°22 | 28°31 | 26°20 | 24°58 | 11°38 | 10°12 | 5°32 | 6°35 | 12°56 | 9°57 | F 27 |
| S 28 | 0 51 53 | 11° 4'22 | 19°36 | 11°33 | 27°39 | 15°57 | 28°42 | 26°27 | 25° 2 | 11°40 | 10°11 | 5°28 | 6°31 | 13° 3 | 9°56 | S 28 |
| S 29 | 0 55 50 | 12° 3'59 | 4♈11 | 13°14 | 28°35 | 16°33 | 28°54 | 26°34 | 25° 6 | 11°43 | 10°10 | 5°25 | 6°28 | 13°10 | 9°55 | S 29 |
| M30 | 0 59 46 | 13♎ 3'38 | 18♈32 | 14♎55 | 29♏31 | 17♌ 8 | 29♏ 5 | 26♎41 | 25♍ 9 | 11♎45 | 10♉ 9 | 5♉23 | 6♉25 | 13♌17 | 9♒54 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n 9 | 4s42 | 3s20 | 13n29 | 0n51 | 13s24 | 1s59 | 21n23 | 1n 4 | 18s22 | 0n35 | 7s 2 | 2n18 | 3n18 | 0n43 | 2s42 | 1n41 | 0n45 | 15s 2 | 13n46 | 14n14 | 22n46 | 11s15 | 6n37 |
| M 2 | 5 46 | 2n 6 | 2 15 | 13 15 | 1 2 | 13 52 | 2 3 | 21 15 | 1 5 | 18 24 | 0 35 | 7 4 | 2 17 | 3 17 | 0 43 | 2 43 | 1 41 | 0 45 | 15 2 | 13 44 | 14 13 | 22 44 | 11 16 | 6 37 |
| T 3 | 5 23 | 8 37 | 1 3 | 12 58 | 1 12 | 14 19 | 2 8 | 21 8 | 1 6 | 18 27 | 0 35 | 7 7 | 2 17 | 3 15 | 0 43 | 2 44 | 1 41 | 0 44 | 15 2 | 13 43 | 14 12 | 22 42 | 11 17 | 6 37 |
| W 4 | 5 0 | 14 31 | 0n10 | 12 37 | 1 21 | 14 45 | 2 13 | 21 0 | 1 6 | 18 29 | 0 35 | 7 9 | 2 17 | 3 14 | 0 43 | 2 45 | 1 41 | 0 44 | 15 2 | 13 43 | 14 11 | 22 40 | 11 18 | 6 37 |
| T 5 | 4 37 | 19 33 | 1 21 | 12 14 | 1 29 | 15 12 | 2 18 | 20 53 | 1 7 | 18 31 | 0 35 | 7 11 | 2 17 | 3 12 | 0 43 | 2 46 | 1 41 | 0 44 | 15 3 | 13 43 | 14 10 | 22 38 | 11 19 | 6 36 |
| F 6 | 4 14 | 23 30 | 2 25 | 11 47 | 1 35 | 15 38 | 2 23 | 20 45 | 1 8 | 18 33 | 0 34 | 7 14 | 2 17 | 3 11 | 0 43 | 2 47 | 1 41 | 0 43 | 15 3 | 13 44 | 14 9 | 22 36 | 11 20 | 6 36 |
| S 7 | 3 51 | 26 14 | 3 21 | 11 17 | 1 41 | 16 4 | 2 27 | 20 37 | 1 8 | 18 36 | 0 34 | 7 16 | 2 17 | 3 9 | 0 43 | 2 47 | 1 41 | 0 43 | 15 3 | 13 44 | 14 7 | 22 34 | 11 21 | 6 36 |
| S 8 | 3 28 | 27 39 | 4 6 | 10 45 | 1 45 | 16 30 | 2 32 | 20 29 | 1 9 | 18 38 | 0 34 | 7 19 | 2 17 | 3 8 | 0 43 | 2 48 | 1 41 | 0 42 | 15 3 | 13 44 | 14 6 | 22 32 | 11 21 | 6 35 |
| M 9 | 3 4 | 27 44 | 4 39 | 10 11 | 1 49 | 16 55 | 2 37 | 20 21 | 1 9 | 18 40 | 0 34 | 7 21 | 2 17 | 3 6 | 0 43 | 2 49 | 1 41 | 0 42 | 15 4 | 13 43 | 14 5 | 22 30 | 11 22 | 6 35 |
| T 10 | 2 41 | 26 31 | 5 0 | 9 34 | 1 51 | 17 20 | 2 42 | 20 12 | 1 10 | 18 43 | 0 34 | 7 24 | 2 16 | 3 5 | 0 43 | 2 50 | 1 41 | 0 42 | 15 4 | 13 42 | 14 4 | 22 29 | 11 23 | 6 35 |
| W11 | 2 17 | 24 7 | 5 9 | 8 56 | 1 53 | 17 44 | 2 46 | 20 4 | 1 11 | 18 45 | 0 33 | 7 26 | 2 16 | 3 3 | 0 43 | 2 51 | 1 41 | 0 41 | 15 4 | 13 40 | 14 3 | 22 27 | 11 24 | 6 34 |
| T 12 | 1 54 | 20 42 | 5 3 | 8 16 | 1 53 | 18 8 | 2 51 | 19 55 | 1 11 | 18 48 | 0 33 | 7 29 | 2 16 | 3 2 | 0 43 | 2 52 | 1 41 | 0 41 | 15 4 | 13 38 | 14 2 | 22 25 | 11 25 | 6 34 |
| F 13 | 1 30 | 16 26 | 4 45 | 7 35 | 1 53 | 18 32 | 2 55 | 19 47 | 1 12 | 18 50 | 0 33 | 7 31 | 2 16 | 3 0 | 0 42 | 2 53 | 1 41 | 0 40 | 15 4 | 13 35 | 14 1 | 22 23 | 11 26 | 6 34 |
| S 14 | 1 7 | 11 29 | 4 14 | 6 52 | 1 53 | 18 55 | 3 0 | 19 38 | 1 13 | 18 53 | 0 33 | 7 34 | 2 16 | 2 59 | 0 42 | 2 53 | 1 41 | 0 40 | 15 5 | 13 33 | 14 0 | 22 21 | 11 27 | 6 33 |
| S 15 | 0 43 | 6 3 | 3 31 | 6 9 | 1 51 | 19 18 | 3 5 | 19 29 | 1 13 | 18 55 | 0 33 | 7 36 | 2 16 | 2 57 | 0 42 | 2 54 | 1 41 | 0 40 | 15 5 | 13 31 | 13 59 | 22 19 | 11 27 | 6 33 |
| M16 | 0 19 | 0 19 | 2 38 | 5 25 | 1 49 | 19 41 | 3 9 | 19 20 | 1 14 | 18 58 | 0 33 | 7 39 | 2 16 | 2 56 | 0 42 | 2 55 | 1 41 | 0 39 | 15 5 | 13 29 | 13 58 | 22 17 | 11 28 | 6 33 |
| T 17 | 0s 4 | 5s31 | 1 36 | 4 40 | 1 47 | 20 3 | 3 14 | 19 11 | 1 15 | 19 0 | 0 32 | 7 41 | 2 16 | 2 54 | 0 43 | 2 56 | 1 41 | 0 39 | 15 5 | 13 28 | 13 57 | 22 15 | 11 29 | 6 32 |
| W18 | 0 28 | 11 13 | 0 28 | 3 55 | 1 44 | 20 24 | 3 18 | 19 2 | 1 15 | 19 3 | 0 32 | 7 44 | 2 16 | 2 53 | 0 43 | 2 57 | 1 41 | 0 38 | 15 5 | 13 27 | 13 56 | 22 13 | 11 30 | 6 32 |
| T 19 | 0 52 | 16 34 | 0s42 | 3 9 | 1 40 | 20 46 | 3 22 | 18 53 | 1 16 | 19 5 | 0 32 | 7 47 | 2 15 | 2 51 | 0 43 | 2 58 | 1 41 | 0 38 | 15 5 | 13 27 | 13 55 | 22 11 | 11 30 | 6 31 |
| F 20 | 1 15 | 21 14 | 1 51 | 2 23 | 1 36 | 21 6 | 3 26 | 18 44 | 1 17 | 19 8 | 0 32 | 7 49 | 2 15 | 2 50 | 0 43 | 2 59 | 1 41 | 0 37 | 15 6 | 13 28 | 13 54 | 22 9 | 11 31 | 6 31 |
| S 21 | 1 39 | 24 54 | 2 55 | 1 37 | 1 32 | 21 27 | 3 31 | 18 34 | 1 17 | 19 10 | 0 32 | 7 52 | 2 15 | 2 48 | 0 43 | 3 0 | 1 41 | 0 37 | 15 6 | 13 28 | 13 53 | 22 7 | 11 32 | 6 31 |
| S 22 | 2 3 | 27 14 | 3 52 | 0 50 | 1 27 | 21 47 | 3 35 | 18 25 | 1 18 | 19 13 | 0 32 | 7 54 | 2 15 | 2 47 | 0 43 | 3 0 | 1 41 | 0 37 | 15 6 | 13 29 | 13 52 | 22 5 | 11 33 | 6 30 |
| M23 | 2 26 | 27 57 | 4 35 | 0 4 | 1 22 | 22 6 | 3 39 | 18 15 | 1 19 | 19 15 | 0 31 | 7 57 | 2 15 | 2 45 | 0 43 | 3 1 | 1 41 | 0 36 | 15 6 | 13 29 | 13 51 | 22 3 | 11 33 | 6 30 |
| T 24 | 2 50 | 26 51 | 5 3 | 0s42 | 1 17 | 22 25 | 3 43 | 18 5 | 1 19 | 19 18 | 0 31 | 7 59 | 2 15 | 2 44 | 0 43 | 3 2 | 1 41 | 0 36 | 15 6 | 13 29 | 13 50 | 22 1 | 11 34 | 6 29 |
| W25 | 3 14 | 24 0 | 5 13 | 1 29 | 1 11 | 22 43 | 3 47 | 17 56 | 1 20 | 19 20 | 0 31 | 8 2 | 2 15 | 2 42 | 0 43 | 3 3 | 1 41 | 0 35 | 15 6 | 13 28 | 13 49 | 21 59 | 11 35 | 6 29 |
| T 26 | 3 37 | 19 36 | 5 3 | 2 15 | 1 6 | 23 1 | 3 51 | 17 46 | 1 20 | 19 23 | 0 31 | 8 5 | 2 15 | 2 41 | 0 43 | 3 4 | 1 41 | 0 35 | 15 7 | 13 27 | 13 48 | 21 56 | 11 35 | 6 29 |
| F 27 | 4 1 | 13 59 | 4 33 | 3 0 | 1 0 | 23 19 | 3 54 | 17 36 | 1 21 | 19 26 | 0 31 | 8 7 | 2 15 | 2 39 | 0 43 | 3 5 | 1 41 | 0 35 | 15 7 | 13 26 | 13 47 | 21 54 | 11 36 | 6 28 |
| S 28 | 4 24 | 7 35 | 3 45 | 3 46 | 0 54 | 23 35 | 3 58 | 17 26 | 1 22 | 19 28 | 0 31 | 8 10 | 2 15 | 2 38 | 0 43 | 3 6 | 1 41 | 0 34 | 15 7 | 13 24 | 13 46 | 21 52 | 11 37 | 6 28 |
| S 29 | 4 48 | 0 50 | 2 43 | 4 31 | 0 48 | 23 52 | 4 2 | 17 16 | 1 22 | 19 31 | 0 30 | 8 12 | 2 15 | 2 36 | 0 43 | 3 7 | 1 41 | 0 34 | 15 7 | 13 23 | 13 44 | 21 50 | 11 37 | 6 27 |
| M30 | 5s11 | 5n53 | 1s31 | 5s16 | 0n41 | 24s 8 | 4s 5 | 17n 6 | 1n23 | 19s33 | 0n30 | 8s15 | 2n15 | 2n35 | 0n43 | 3s 7 | 1n41 | 0n33 | 15s 7 | 13n23 | 13n43 | 21n48 | 11s38 | 6n27 |

Julian Day Number = 2133668.5, Delta T = 16m13s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'23, Lahiri = 11°43'24 Julian Calendar 1 Sept. 1129 == Greg. Calendar 8 Sept. 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## OCTOBER 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 3 43 | 14♎ 3'19 | 2♉34 | 16♎34 | 0♐26 | 17♌43 | 29♏16 | 26♎48 | 25♍13 | 11♎47 | 10°R 8 | 5°D22 | 6♉22 | 13♌23 | 9°R53 | T 1 |
| W 2 | 1 7 39 | 15° 3'03 | 16°13 | 18°13 | 1°20 | 18°19 | 29°28 | 26°55 | 25°17 | 11°49 | 10♉ 7 | 5♉23 | 6°19 | 13°30 | 9♒52 | W 2 |
| T 3 | 1 11 36 | 16° 2'48 | 29°29 | 19°52 | 2°14 | 18°54 | 29°39 | 27° 2 | 25°20 | 11°52 | 10° 6 | 5°24 | 6°16 | 13°37 | 9°51 | T 3 |
| F 4 | 1 15 33 | 17° 2'36 | 12♊22 | 21°29 | 3° 8 | 19°29 | 29°51 | 27°10 | 25°24 | 11°54 | 10° 5 | 5°25 | 6°12 | 13°43 | 9°51 | F 4 |
| S 5 | 1 19 29 | 18° 2'26 | 24°55 | 23° 7 | 4° 0 | 20° 4 | 0♐ 2 | 27°17 | 25°27 | 11°56 | 10° 4 | 5°27 | 6° 9 | 13°50 | 9°50 | S 5 |
| S 6 | 1 23 26 | 19° 2'18 | 7♋11 | 24°43 | 4°52 | 20°39 | 0°14 | 27°24 | 25°31 | 11°58 | 10° 3 | 5°28 | 6° 6 | 13°57 | 9°50 | S 6 |
| M 7 | 1 27 22 | 20° 2'13 | 19°14 | 26°20 | 5°44 | 21°14 | 0°26 | 27°31 | 25°35 | 12° 1 | 10° 2 | 5°R28 | 6° 3 | 14° 4 | 9°49 | M 7 |
| T 8 | 1 31 19 | 21° 2'10 | 1♌10 | 27°55 | 6°35 | 21°48 | 0°38 | 27°38 | 25°38 | 12° 3 | 10° 1 | 5°28 | 6° 0 | 14°10 | 9°49 | T 8 |
| W 9 | 1 35 15 | 22° 2'09 | 13° 2 | 29°30 | 7°25 | 22°23 | 0°50 | 27°45 | 25°42 | 12° 5 | 10° 0 | 5°27 | 5°57 | 14°17 | 9°49 | W 9 |
| T 10 | 1 39 12 | 23° 2'10 | 24°56 | 1♏ 5 | 8°14 | 22°58 | 1° 2 | 27°52 | 25°45 | 12° 7 | 9°59 | 5°25 | 5°53 | 14°24 | 9°48 | T 10 |
| F 11 | 1 43 8 | 24° 2'13 | 6♏55 | 2°39 | 9° 3 | 23°32 | 1°14 | 28° 0 | 25°49 | 12° 9 | 9°58 | 5°24 | 5°50 | 14°30 | 9°48 | F 11 |
| S 12 | 1 47 5 | 25° 2'18 | 19° 2 | 4°13 | 9°50 | 24° 7 | 1°26 | 28° 7 | 25°52 | 12°12 | 9°57 | 5°22 | 5°47 | 14°37 | 9°48 | S 12 |
| S 13 | 1 51 1 | 26° 2'25 | 1♎22 | 5°46 | 10°37 | 24°41 | 1°38 | 28°14 | 25°55 | 12°14 | 9°56 | 5°21 | 5°44 | 14°44 | 9°D48 | S 13 |
| M14 | 1 54 58 | 27° 2'35 | 13°54 | 7°19 | 11°23 | 25°15 | 1°50 | 28°21 | 25°59 | 12°16 | 9°55 | 5°20 | 5°41 | 14°51 | 9°48 | M14 |
| T 15 | 1 58 55 | 28° 2'46 | 26°41 | 8°51 | 12° 8 | 25°49 | 2° 3 | 28°28 | 26° 2 | 12°18 | 9°54 | 5°19 | 5°37 | 14°57 | 9°48 | T 15 |
| W16 | 2 2 51 | 29° 2'59 | 9♏43 | 10°23 | 12°52 | 26°23 | 2°15 | 28°35 | 26° 5 | 12°20 | 9°52 | 5°D19 | 5°34 | 15° 4 | 9°48 | W16 |
| T 17 | 2 6 48 | 0♏ 3'14 | 22°59 | 11°55 | 13°36 | 26°57 | 2°27 | 28°43 | 26° 9 | 12°23 | 9°51 | 5°19 | 5°31 | 15°11 | 9°49 | T 17 |
| F 18 | 2 10 44 | 1° 3'31 | 6♐28 | 13°26 | 14°18 | 27°31 | 2°40 | 28°50 | 26°12 | 12°25 | 9°50 | 5°20 | 5°28 | 15°18 | 9°49 | F 18 |
| S 19 | 2 14 41 | 2° 3'50 | 20° 9 | 14°57 | 14°59 | 28° 5 | 2°52 | 28°57 | 26°15 | 12°27 | 9°49 | 5°20 | 5°25 | 15°24 | 9°49 | S 19 |
| S 20 | 2 18 37 | 3° 4'10 | 4♑ 0 | 16°27 | 15°39 | 28°39 | 3° 5 | 29° 4 | 26°19 | 12°29 | 9°48 | 5°21 | 5°22 | 15°31 | 9°50 | S 20 |
| M21 | 2 22 34 | 4° 4'31 | 18° 0 | 17°57 | 16°18 | 29°13 | 3°18 | 29°11 | 26°22 | 12°31 | 9°47 | 5°21 | 5°18 | 15°38 | 9°50 | M21 |
| T 22 | 2 26 31 | 5° 4'54 | 2♒ 8 | 19°27 | 16°55 | 29°46 | 3°30 | 29°18 | 26°25 | 12°33 | 9°46 | 5°21 | 5°15 | 15°44 | 9°51 | T 22 |
| W23 | 2 30 27 | 6° 5'18 | 16°20 | 20°56 | 17°32 | 0♍20 | 3°43 | 29°26 | 26°28 | 12°35 | 9°45 | 5°21 | 5°12 | 15°51 | 9°51 | W23 |
| T 24 | 2 34 24 | 7° 5'44 | 0♓35 | 22°24 | 18° 6 | 0°53 | 3°56 | 29°33 | 26°31 | 12°37 | 9°43 | 5°21 | 5° 9 | 15°58 | 9°52 | T 24 |
| F 25 | 2 38 20 | 8° 6'11 | 14°50 | 23°53 | 18°40 | 1°26 | 4° 9 | 29°40 | 26°34 | 12°40 | 9°42 | 5°21 | 5° 6 | 16° 5 | 9°53 | F 25 |
| S 26 | 2 42 17 | 9° 6'39 | 29° 2 | 25°20 | 19°12 | 1°59 | 4°22 | 29°47 | 26°37 | 12°42 | 9°41 | 5°21 | 5° 3 | 16°11 | 9°53 | S 26 |
| S 27 | 2 46 13 | 10° 7'09 | 13♈ 8 | 26°48 | 19°43 | 2°32 | 4°35 | 29°54 | 26°40 | 12°44 | 9°40 | 5°22 | 4°59 | 16°18 | 9°54 | S 27 |
| M28 | 2 50 10 | 11° 7'40 | 27° 3 | 28°14 | 20°12 | 3° 5 | 4°48 | 0♏ 1 | 26°43 | 12°46 | 9°39 | 5°22 | 4°56 | 16°25 | 9°55 | M28 |
| T 29 | 2 54 6 | 12° 8'13 | 10♉45 | 29°40 | 20°39 | 3°38 | 5° 1 | 0° 8 | 26°46 | 12°48 | 9°38 | 5°R22 | 4°53 | 16°31 | 9°56 | T 29 |
| W30 | 2 58 3 | 13° 8'47 | 24°11 | 1♐ 6 | 21° 5 | 4°11 | 5°14 | 0°15 | 26°49 | 12°50 | 9°37 | 5°22 | 4°50 | 16°38 | 9°57 | W30 |
| T 31 | 3 1 59 | 14♏ 9'23 | 7♊19 | 2♐30 | 21♐29 | 4♍43 | 5♐27 | 0♏22 | 26♍52 | 12♎52 | 9♉36 | 5♉21 | 4♉47 | 16♌45 | 9♒58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s34 | 12n11 | 0s15 | 6s 0 | 0n35 | 24s23 | 4s 8 | 16n55 | 1n24 | 19s36 | 0n30 | 8s18 | 2n15 | 2n34 | 0n43 | 3s 8 | 1n41 | 0n33 | 15s 7 | 13n23 | 13n42 | 21n46 | 11s39 | 6n27 |
| W 2 | 5 57 | 17 43 | 0n59 | 6 44 | 0 28 | 24 38 | 4 12 | 16 45 | 1 24 | 19 39 | 0 30 | 8 20 | 2 14 | 2 32 | 0 43 | 3 9 | 1 41 | 0 33 | 15 7 | 13 23 | 13 41 | 21 44 | 11 39 | 6 26 |
| T 3 | 6 21 | 22 14 | 2 9 | 7 28 | 0 22 | 24 52 | 4 15 | 16 35 | 1 25 | 19 41 | 0 30 | 8 23 | 2 14 | 2 31 | 0 43 | 3 10 | 1 41 | 0 32 | 15 7 | 13 23 | 13 40 | 21 42 | 11 40 | 6 26 |
| F 4 | 6 44 | 25 32 | 3 10 | 8 11 | 0 15 | 25 6 | 4 18 | 16 24 | 1 26 | 19 44 | 0 30 | 8 25 | 2 14 | 2 29 | 0 43 | 3 11 | 1 41 | 0 32 | 15 7 | 13 24 | 13 39 | 21 40 | 11 40 | 6 25 |
| S 5 | 7 7 | 27 27 | 4 0 | 8 54 | 0 9 | 25 19 | 4 20 | 16 14 | 1 26 | 19 46 | 0 30 | 8 28 | 2 14 | 2 28 | 0 43 | 3 12 | 1 41 | 0 31 | 15 8 | 13 24 | 13 38 | 21 38 | 11 41 | 6 25 |
| S 6 | 7 29 | 27 59 | 4 38 | 9 36 | 0 2 | 25 31 | 4 23 | 16 3 | 1 27 | 19 49 | 0 29 | 8 30 | 2 14 | 2 27 | 0 43 | 3 13 | 1 41 | 0 31 | 15 8 | 13 24 | 13 37 | 21 36 | 11 42 | 6 25 |
| M 7 | 7 52 | 27 10 | 5 3 | 10 17 | 0s 5 | 25 43 | 4 26 | 15 53 | 1 28 | 19 52 | 0 29 | 8 33 | 2 14 | 2 25 | 0 43 | 3 14 | 1 41 | 0 31 | 15 8 | 13 24 | 13 36 | 21 34 | 11 42 | 6 24 |
| T 8 | 8 15 | 25 7 | 5 15 | 10 58 | 0 12 | 25 55 | 4 28 | 15 42 | 1 29 | 19 54 | 0 29 | 8 36 | 2 14 | 2 24 | 0 43 | 3 14 | 1 41 | 0 30 | 15 8 | 13 24 | 13 35 | 21 31 | 11 43 | 6 24 |
| W 9 | 8 37 | 21 59 | 5 13 | 11 38 | 0 18 | 26 6 | 4 30 | 15 31 | 1 29 | 19 57 | 0 29 | 8 38 | 2 14 | 2 22 | 0 43 | 3 15 | 1 41 | 0 30 | 15 8 | 13 24 | 13 34 | 21 29 | 11 43 | 6 23 |
| T 10 | 9 0 | 17 57 | 4 58 | 12 18 | 0 25 | 26 16 | 4 32 | 15 21 | 1 30 | 19 59 | 0 29 | 8 41 | 2 14 | 2 21 | 0 43 | 3 16 | 1 41 | 0 29 | 15 8 | 13 24 | 13 33 | 21 27 | 11 44 | 6 23 |
| F 11 | 9 22 | 13 11 | 4 30 | 12 57 | 0 32 | 26 26 | 4 34 | 15 10 | 1 31 | 20 2 | 0 29 | 8 43 | 2 14 | 2 20 | 0 43 | 3 17 | 1 41 | 0 29 | 15 8 | 13 23 | 13 32 | 21 25 | 11 44 | 6 22 |
| S 12 | 9 44 | 7 52 | 3 49 | 13 35 | 0 38 | 26 35 | 4 36 | 14 59 | 1 31 | 20 5 | 0 29 | 8 46 | 2 14 | 2 18 | 0 43 | 3 18 | 1 41 | 0 29 | 15 8 | 13 22 | 13 31 | 21 23 | 11 44 | 6 22 |
| S 13 | 10 6 | 2 10 | 2 57 | 14 13 | 0 45 | 26 44 | 4 38 | 14 48 | 1 32 | 20 7 | 0 29 | 8 49 | 2 14 | 2 17 | 0 43 | 3 19 | 1 41 | 0 28 | 15 8 | 13 22 | 13 30 | 21 21 | 11 45 | 6 22 |
| M14 | 10 28 | 3s44 | 1 56 | 14 50 | 0 51 | 26 52 | 4 39 | 14 37 | 1 33 | 20 10 | 0 28 | 8 51 | 2 14 | 2 16 | 0 43 | 3 19 | 1 41 | 0 28 | 15 8 | 13 22 | 13 29 | 21 19 | 11 45 | 6 21 |
| T 15 | 10 50 | 9 36 | 0 48 | 15 26 | 0 58 | 26 59 | 4 40 | 14 26 | 1 33 | 20 13 | 0 28 | 8 54 | 2 14 | 2 14 | 0 43 | 3 20 | 1 41 | 0 28 | 15 8 | 13 22 | 13 28 | 21 16 | 11 46 | 6 21 |
| W16 | 11 11 | 15 11 | 0s24 | 16 1 | 1 4 | 27 6 | 4 41 | 14 15 | 1 34 | 20 15 | 0 28 | 8 56 | 2 14 | 2 13 | 0 43 | 3 21 | 1 41 | 0 27 | 15 8 | 13 21 | 13 27 | 21 14 | 11 46 | 6 20 |
| T 17 | 11 33 | 20 9 | 1 36 | 16 36 | 1 10 | 27 12 | 4 42 | 14 4 | 1 35 | 20 18 | 0 28 | 8 59 | 2 14 | 2 12 | 0 43 | 3 22 | 1 41 | 0 27 | 15 8 | 13 22 | 13 25 | 21 12 | 11 46 | 6 20 |
| F 18 | 11 54 | 24 11 | 2 44 | 17 10 | 1 16 | 27 18 | 4 43 | 13 53 | 1 35 | 20 20 | 0 28 | 9 1 | 2 14 | 2 10 | 0 43 | 3 23 | 1 41 | 0 26 | 15 8 | 13 22 | 13 24 | 21 10 | 11 47 | 6 19 |
| S 19 | 12 15 | 26 54 | 3 44 | 17 43 | 1 22 | 27 23 | 4 43 | 13 42 | 1 36 | 20 23 | 0 28 | 9 4 | 2 14 | 2 9 | 0 43 | 3 24 | 1 41 | 0 26 | 15 8 | 13 22 | 13 23 | 21 8 | 11 47 | 6 19 |
| S 20 | 12 36 | 28 0 | 4 31 | 18 15 | 1 28 | 27 28 | 4 43 | 13 31 | 1 37 | 20 25 | 0 28 | 9 6 | 2 14 | 2 8 | 0 43 | 3 24 | 1 41 | 0 26 | 15 8 | 13 22 | 13 22 | 21 5 | 11 47 | 6 18 |
| M21 | 12 56 | 27 20 | 5 3 | 18 46 | 1 34 | 27 32 | 4 43 | 13 20 | 1 38 | 20 28 | 0 27 | 9 9 | 2 14 | 2 7 | 0 43 | 3 25 | 1 41 | 0 25 | 15 8 | 13 22 | 13 21 | 21 3 | 11 48 | 6 18 |
| T 22 | 13 17 | 24 55 | 5 16 | 19 16 | 1 39 | 27 36 | 4 42 | 13 8 | 1 38 | 20 31 | 0 27 | 9 12 | 2 14 | 2 5 | 0 43 | 3 26 | 1 41 | 0 25 | 15 8 | 13 22 | 13 20 | 21 1 | 11 48 | 6 18 |
| W23 | 13 37 | 20 57 | 5 11 | 19 45 | 1 45 | 27 38 | 4 42 | 12 57 | 1 39 | 20 33 | 0 27 | 9 14 | 2 14 | 2 4 | 0 43 | 3 27 | 1 41 | 0 25 | 15 8 | 13 22 | 13 19 | 20 59 | 11 48 | 6 17 |
| T 24 | 13 57 | 15 47 | 4 47 | 20 14 | 1 50 | 27 41 | 4 41 | 12 46 | 1 40 | 20 36 | 0 27 | 9 17 | 2 14 | 2 3 | 0 43 | 3 28 | 1 41 | 0 24 | 15 8 | 13 22 | 13 18 | 20 57 | 11 49 | 6 17 |
| F 25 | 14 17 | 9 46 | 4 5 | 20 41 | 1 55 | 27 43 | 4 40 | 12 35 | 1 40 | 20 38 | 0 27 | 9 19 | 2 14 | 2 2 | 0 43 | 3 28 | 1 41 | 0 24 | 15 8 | 13 22 | 13 17 | 20 54 | 11 49 | 6 16 |
| S 26 | 14 36 | 3 15 | 3 8 | 21 7 | 1 59 | 27 44 | 4 38 | 12 23 | 1 41 | 20 41 | 0 27 | 9 22 | 2 14 | 2 0 | 0 43 | 3 29 | 1 41 | 0 24 | 15 8 | 13 22 | 13 16 | 20 52 | 11 49 | 6 16 |
| S 27 | 14 55 | 3n22 | 2 0 | 21 32 | 2 4 | 27 44 | 4 36 | 12 12 | 1 42 | 20 43 | 0 27 | 9 24 | 2 14 | 1 59 | 0 43 | 3 30 | 1 41 | 0 24 | 15 8 | 13 22 | 13 15 | 20 50 | 11 49 | 6 15 |
| M28 | 15 14 | 9 45 | 0 46 | 21 56 | 2 8 | 27 44 | 4 34 | 12 1 | 1 43 | 20 46 | 0 27 | 9 26 | 2 14 | 1 58 | 0 43 | 3 31 | 1 41 | 0 23 | 15 8 | 13 22 | 13 14 | 20 48 | 11 49 | 6 15 |
| T 29 | 15 33 | 15 36 | 0n30 | 22 19 | 2 12 | 27 44 | 4 31 | 11 50 | 1 43 | 20 48 | 0 27 | 9 29 | 2 14 | 1 57 | 0 43 | 3 31 | 1 41 | 0 23 | 15 8 | 13 22 | 13 13 | 20 45 | 11 49 | 6 15 |
| W30 | 15 52 | 20 34 | 1 42 | 22 41 | 2 15 | 27 43 | 4 28 | 11 38 | 1 44 | 20 51 | 0 26 | 9 31 | 2 14 | 1 56 | 0 43 | 3 32 | 1 41 | 0 23 | 15 8 | 13 22 | 13 12 | 20 43 | 11 50 | 6 14 |
| T 31 | 16s10 | 24n24 | 2n48 | 23s 1 | 2s19 | 27s41 | 4s25 | 11n27 | 1n45 | 20s53 | 0n26 | 9s34 | 2n14 | 1n55 | 0n43 | 3s33 | 1n41 | 0n22 | 15s 8 | 13n22 | 13n11 | 20n41 | 11s50 | 6n14 |

Julian Day Number = 2133698.5, Delta T = 16m13s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'27, Lahiri = 11°43'28 Julian Calendar 1 Oct. 1129 == Greg. Calendar 8 Oct. 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## NOVEMBER 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 5 56 | 15♏10'01 | 20♊ 9 | 3♐54 | 21♐51 | 5♍16 | 5♐40 | 0♏29 | 26♍55 | 12♎54 | 9°R34 | 5°R20 | 4♉43 | 16♌52 | 10♒ 0 | F 1 |
| S 2 | 3 9 53 | 16°10'40 | 2♋41 | 5°17 | 22°11 | 5°48 | 5°53 | 0°36 | 26°58 | 12°56 | 9♉33 | 5♉18 | 4°40 | 16°58 | 10° 1 | S 2 |
| S 3 | 3 13 49 | 17°11'21 | 14°58 | 6°39 | 22°30 | 6°21 | 6° 7 | 0°43 | 27° 0 | 12°58 | 9°32 | 5°17 | 4°37 | 17° 5 | 10° 2 | S 3 |
| M 4 | 3 17 46 | 18°12'03 | 27° 3 | 7°59 | 22°46 | 6°53 | 6°20 | 0°50 | 27° 3 | 12°59 | 9°31 | 5°15 | 4°34 | 17°12 | 10° 4 | M 4 |
| T 5 | 3 21 42 | 19°12'47 | 9♌ 0 | 9°19 | 23° 0 | 7°25 | 6°33 | 0°57 | 27° 6 | 13° 1 | 9°30 | 5°14 | 4°31 | 17°19 | 10° 5 | T 5 |
| W 6 | 3 25 39 | 20°13'33 | 20°52 | 10°37 | 23°13 | 7°57 | 6°47 | 1° 4 | 27° 8 | 13° 3 | 9°29 | 5°D14 | 4°28 | 17°25 | 10° 7 | W 6 |
| T 7 | 3 29 35 | 21°14'20 | 2♍45 | 11°53 | 23°23 | 8°29 | 7° 0 | 1°11 | 27°11 | 13° 5 | 9°28 | 5°14 | 4°24 | 17°32 | 10° 8 | T 7 |
| F 8 | 3 33 32 | 22°15'09 | 14°44 | 13° 7 | 23°30 | 9° 0 | 7°13 | 1°18 | 27°14 | 13° 7 | 9°27 | 5°15 | 4°21 | 17°39 | 10°10 | F 8 |
| S 9 | 3 37 29 | 23°15'59 | 26°53 | 14°19 | 23°36 | 9°32 | 7°27 | 1°25 | 27°16 | 13° 9 | 9°26 | 5°17 | 4°18 | 17°45 | 10°11 | S 9 |
| S 10 | 3 41 25 | 24°16'51 | 9♎16 | 15°28 | 23°39 | 10° 3 | 7°40 | 1°32 | 27°19 | 13°11 | 9°25 | 5°18 | 4°15 | 17°52 | 10°13 | S 10 |
| M11 | 3 45 22 | 25°17'44 | 21°57 | 16°34 | 23°R40 | 10°35 | 7°54 | 1°39 | 27°21 | 13°12 | 9°23 | 5°20 | 4°12 | 17°59 | 10°15 | M11 |
| T 12 | 3 49 18 | 26°18'39 | 4♏57 | 17°37 | 23°38 | 11° 6 | 8° 7 | 1°45 | 27°23 | 13°14 | 9°22 | 5°R20 | 4° 8 | 18° 6 | 10°17 | T 12 |
| W13 | 3 53 15 | 27°19'34 | 18°18 | 18°36 | 23°34 | 11°37 | 8°21 | 1°52 | 27°26 | 13°16 | 9°21 | 5°20 | 4° 5 | 18°12 | 10°19 | W13 |
| T 14 | 3 57 11 | 28°20'31 | 1♐59 | 19°30 | 23°28 | 12° 8 | 8°34 | 1°59 | 27°28 | 13°18 | 9°20 | 5°18 | 4° 2 | 18°19 | 10°21 | T 14 |
| F 15 | 4 1 8 | 29°21'30 | 15°56 | 20°20 | 23°19 | 12°38 | 8°48 | 2° 5 | 27°30 | 13°19 | 9°19 | 5°15 | 3°59 | 18°26 | 10°23 | F 15 |
| S 16 | 4 5 4 | 0♐22'29 | 0♑ 7 | 21° 3 | 23° 7 | 13° 9 | 9° 1 | 2°12 | 27°33 | 13°21 | 9°18 | 5°11 | 3°56 | 18°32 | 10°25 | S 16 |
| S 17 | 4 9 1 | 1°23'29 | 14°26 | 21°40 | 22°53 | 13°40 | 9°15 | 2°19 | 27°35 | 13°23 | 9°17 | 5° 7 | 3°53 | 18°39 | 10°27 | S 17 |
| M18 | 4 12 58 | 2°24'30 | 28°48 | 22° 9 | 22°37 | 14°10 | 9°29 | 2°25 | 27°37 | 13°24 | 9°16 | 5° 4 | 3°49 | 18°46 | 10°29 | M18 |
| T 19 | 4 16 54 | 3°25'31 | 13♒ 8 | 22°31 | 22°18 | 14°40 | 9°42 | 2°32 | 27°39 | 13°26 | 9°15 | 5° 1 | 3°46 | 18°53 | 10°32 | T 19 |
| W20 | 4 20 51 | 4°26'33 | 27°23 | 22°43 | 21°57 | 15°10 | 9°56 | 2°38 | 27°41 | 13°28 | 9°14 | 5° 0 | 3°43 | 18°59 | 10°34 | W20 |
| T 21 | 4 24 47 | 5°27'35 | 11♓31 | 22°R45 | 21°34 | 15°40 | 10°10 | 2°45 | 27°43 | 13°29 | 9°13 | 5°D 0 | 3°40 | 19° 6 | 10°36 | T 21 |
| F 22 | 4 28 44 | 6°28'38 | 25°29 | 22°37 | 21° 9 | 16° 9 | 10°23 | 2°51 | 27°45 | 13°31 | 9°12 | 5° 1 | 3°37 | 19°13 | 10°39 | F 22 |
| S 23 | 4 32 40 | 7°29'42 | 9♈18 | 22°17 | 20°41 | 16°39 | 10°37 | 2°57 | 27°47 | 13°32 | 9°11 | 5° 2 | 3°34 | 19°19 | 10°41 | S 23 |
| S 24 | 4 36 37 | 8°30'45 | 22°56 | 21°46 | 20°12 | 17° 8 | 10°51 | 3° 4 | 27°49 | 13°34 | 9°10 | 5° 4 | 3°30 | 19°26 | 10°44 | S 24 |
| M25 | 4 40 33 | 9°31'50 | 6♉23 | 21° 3 | 19°41 | 17°37 | 11° 4 | 3°10 | 27°50 | 13°35 | 9° 9 | 5°R 4 | 3°27 | 19°33 | 10°46 | M25 |
| T 26 | 4 44 30 | 10°32'55 | 19°39 | 20° 9 | 19° 9 | 18° 6 | 11°18 | 3°16 | 27°52 | 13°36 | 9° 8 | 5° 3 | 3°24 | 19°40 | 10°49 | T 26 |
| W27 | 4 48 27 | 11°34'00 | 2♊43 | 19° 6 | 18°35 | 18°35 | 11°32 | 3°22 | 27°54 | 13°38 | 9° 7 | 5° 0 | 3°21 | 19°46 | 10°52 | W27 |
| T 28 | 4 52 23 | 12°35'07 | 15°34 | 17°54 | 18° 0 | 19° 4 | 11°45 | 3°28 | 27°56 | 13°39 | 9° 6 | 4°56 | 3°18 | 19°53 | 10°55 | T 28 |
| F 29 | 4 56 20 | 13°36'14 | 28°13 | 16°35 | 17°24 | 19°32 | 11°59 | 3°35 | 27°57 | 13°41 | 9° 5 | 4°49 | 3°14 | 20° 0 | 10°57 | F 29 |
| S 30 | 5 0 16 | 14♐37'21 | 10♋39 | 15♐14 | 16♐48 | 20♍ 1 | 12♐13 | 3♏41 | 27♍59 | 13♎42 | 9♉ 4 | 4♉42 | 3♉11 | 20♌ 7 | 11♒ 0 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s28 | 26n54 | 3n43 | 23s21 | 2s21 | 27s39 | 4s21 | 11n16 | 1n46 | 20s55 | 0n26 | 9s36 | 2n14 | 1n54 | 0n43 | 3s34 | 1n41 | 0n22 | 15s 8 | 13n22 | 13n 9 | 20n39 | 11s50 | 6n13 |
| S 2 | 16 45 | 27 58 | 4 26 | 23 39 | 2 24 | 27 36 | 4 17 | 11 4 | 1 46 | 20 58 | 0 26 | 9 39 | 2 14 | 1 52 | 0 43 | 3 34 | 1 41 | 0 22 | 15 8 | 13 21 | 13 8 | 20 36 | 11 50 | 6 13 |
| S 3 | 17 3 | 27 37 | 4 56 | 23 55 | 2 26 | 27 33 | 4 13 | 10 53 | 1 47 | 21 0 | 0 26 | 9 41 | 2 14 | 1 51 | 0 43 | 3 35 | 1 41 | 0 22 | 15 8 | 13 21 | 13 7 | 20 34 | 11 50 | 6 12 |
| M 4 | 17 20 | 25 57 | 5 13 | 24 10 | 2 28 | 27 29 | 4 8 | 10 42 | 1 48 | 21 3 | 0 26 | 9 43 | 2 14 | 1 50 | 0 43 | 3 36 | 1 41 | 0 21 | 15 8 | 13 20 | 13 6 | 20 32 | 11 50 | 6 12 |
| T 5 | 17 37 | 23 9 | 5 15 | 24 24 | 2 29 | 27 24 | 4 2 | 10 30 | 1 49 | 21 5 | 0 26 | 9 46 | 2 14 | 1 49 | 0 43 | 3 37 | 1 41 | 0 21 | 15 8 | 13 20 | 13 5 | 20 30 | 11 50 | 6 12 |
| W 6 | 17 53 | 19 24 | 5 4 | 24 37 | 2 29 | 27 19 | 3 56 | 10 19 | 1 49 | 21 7 | 0 26 | 9 48 | 2 14 | 1 48 | 0 43 | 3 37 | 1 41 | 0 21 | 15 8 | 13 20 | 13 4 | 20 27 | 11 50 | 6 11 |
| T 7 | 18 9 | 14 54 | 4 40 | 24 47 | 2 29 | 27 13 | 3 50 | 10 8 | 1 50 | 21 10 | 0 26 | 9 50 | 2 14 | 1 47 | 0 43 | 3 38 | 1 42 | 0 20 | 15 8 | 13 20 | 13 3 | 20 25 | 11 50 | 6 11 |
| F 8 | 18 25 | 9 47 | 4 4 | 24 57 | 2 29 | 27 6 | 3 43 | 9 57 | 1 51 | 21 12 | 0 25 | 9 53 | 2 15 | 1 46 | 0 43 | 3 39 | 1 42 | 0 20 | 15 8 | 13 20 | 13 2 | 20 23 | 11 50 | 6 10 |
| S 9 | 18 41 | 4 15 | 3 16 | 25 4 | 2 28 | 26 59 | 3 36 | 9 45 | 1 52 | 21 14 | 0 25 | 9 55 | 2 15 | 1 45 | 0 43 | 3 39 | 1 42 | 0 20 | 15 7 | 13 21 | 13 1 | 20 20 | 11 50 | 6 10 |
| S 10 | 18 56 | 1s34 | 2 19 | 25 10 | 2 26 | 26 52 | 3 28 | 9 34 | 1 52 | 21 17 | 0 25 | 9 57 | 2 15 | 1 44 | 0 43 | 3 40 | 1 42 | 0 20 | 15 7 | 13 21 | 13 0 | 20 18 | 11 50 | 6 9 |
| M11 | 19 11 | 7 27 | 1 13 | 25 15 | 2 23 | 26 44 | 3 20 | 9 23 | 1 53 | 21 19 | 0 25 | 10 0 | 2 15 | 1 43 | 0 43 | 3 41 | 1 42 | 0 20 | 15 7 | 13 22 | 12 59 | 20 16 | 11 50 | 6 9 |
| T 12 | 19 25 | 13 12 | 0 2 | 25 17 | 2 20 | 26 35 | 3 11 | 9 12 | 1 54 | 21 21 | 0 25 | 10 2 | 2 15 | 1 42 | 0 43 | 3 41 | 1 42 | 0 19 | 15 7 | 13 22 | 12 58 | 20 13 | 11 50 | 6 9 |
| W13 | 19 39 | 18 30 | 1s11 | 25 18 | 2 15 | 26 25 | 3 1 | 9 0 | 1 55 | 21 24 | 0 25 | 10 4 | 2 15 | 1 41 | 0 44 | 3 42 | 1 42 | 0 19 | 15 7 | 13 22 | 12 57 | 20 11 | 11 50 | 6 8 |
| T 14 | 19 53 | 22 58 | 2 21 | 25 17 | 2 10 | 26 15 | 2 51 | 8 49 | 1 56 | 21 26 | 0 25 | 10 6 | 2 15 | 1 41 | 0 44 | 3 43 | 1 42 | 0 19 | 15 7 | 13 21 | 12 55 | 20 9 | 11 49 | 6 8 |
| F 15 | 20 7 | 26 12 | 3 25 | 25 15 | 2 3 | 26 4 | 2 41 | 8 38 | 1 56 | 21 28 | 0 25 | 10 9 | 2 15 | 1 40 | 0 44 | 3 43 | 1 42 | 0 19 | 15 7 | 13 20 | 12 54 | 20 6 | 11 49 | 6 7 |
| S 16 | 20 20 | 27 50 | 4 17 | 25 10 | 1 55 | 25 52 | 2 30 | 8 27 | 1 57 | 21 30 | 0 25 | 10 11 | 2 15 | 1 39 | 0 44 | 3 44 | 1 42 | 0 19 | 15 7 | 13 19 | 12 53 | 20 4 | 11 49 | 6 7 |
| S 17 | 20 32 | 27 37 | 4 53 | 25 4 | 1 47 | 25 40 | 2 19 | 8 16 | 1 58 | 21 32 | 0 24 | 10 13 | 2 15 | 1 38 | 0 44 | 3 44 | 1 42 | 0 18 | 15 6 | 13 18 | 12 52 | 20 2 | 11 49 | 6 7 |
| M18 | 20 45 | 25 34 | 5 11 | 24 56 | 1 36 | 25 27 | 2 6 | 8 5 | 1 59 | 21 35 | 0 24 | 10 15 | 2 15 | 1 37 | 0 44 | 3 45 | 1 42 | 0 18 | 15 6 | 13 16 | 12 51 | 19 59 | 11 49 | 6 6 |
| T 19 | 20 56 | 21 54 | 5 10 | 24 45 | 1 25 | 25 13 | 1 54 | 7 54 | 2 0 | 21 37 | 0 24 | 10 17 | 2 15 | 1 36 | 0 44 | 3 46 | 1 42 | 0 18 | 15 6 | 13 15 | 12 50 | 19 57 | 11 49 | 6 6 |
| W20 | 21 8 | 16 58 | 4 50 | 24 33 | 1 12 | 24 59 | 1 41 | 7 43 | 2 0 | 21 39 | 0 24 | 10 20 | 2 15 | 1 36 | 0 44 | 3 46 | 1 42 | 0 18 | 15 6 | 13 15 | 12 49 | 19 55 | 11 48 | 6 6 |
| T 21 | 21 19 | 11 9 | 4 12 | 24 19 | 0 58 | 24 44 | 1 27 | 7 32 | 2 1 | 21 41 | 0 24 | 10 22 | 2 16 | 1 35 | 0 44 | 3 47 | 1 42 | 0 18 | 15 6 | 13 15 | 12 48 | 19 52 | 11 48 | 6 5 |
| F 22 | 21 30 | 4 51 | 3 19 | 24 3 | 0 42 | 24 29 | 1 13 | 7 22 | 2 2 | 21 43 | 0 24 | 10 24 | 2 16 | 1 34 | 0 44 | 3 47 | 1 42 | 0 18 | 15 6 | 13 15 | 12 47 | 19 50 | 11 48 | 6 5 |
| S 23 | 21 40 | 1n37 | 2 16 | 23 45 | 0 25 | 24 13 | 0 59 | 7 11 | 2 3 | 21 45 | 0 24 | 10 26 | 2 16 | 1 33 | 0 44 | 3 48 | 1 42 | 0 18 | 15 6 | 13 16 | 12 46 | 19 48 | 11 47 | 6 4 |
| S 24 | 21 50 | 7 56 | 1 6 | 23 25 | 0 7 | 23 56 | 0 44 | 7 0 | 2 4 | 21 47 | 0 24 | 10 28 | 2 16 | 1 33 | 0 44 | 3 48 | 1 42 | 0 17 | 15 5 | 13 16 | 12 45 | 19 45 | 11 47 | 6 4 |
| M25 | 21 59 | 13 49 | 0n 7 | 23 3 | 0n12 | 23 38 | 0 30 | 6 49 | 2 5 | 21 49 | 0 24 | 10 30 | 2 16 | 1 32 | 0 44 | 3 49 | 1 42 | 0 17 | 15 5 | 13 16 | 12 44 | 19 43 | 11 47 | 6 4 |
| T 26 | 22 8 | 18 59 | 1 19 | 22 39 | 0 32 | 23 21 | 0 14 | 6 39 | 2 5 | 21 51 | 0 24 | 10 32 | 2 16 | 1 31 | 0 44 | 3 49 | 1 42 | 0 17 | 15 5 | 13 16 | 12 42 | 19 40 | 11 46 | 6 3 |
| W27 | 22 17 | 23 10 | 2 25 | 22 14 | 0 53 | 23 3 | 0n 1 | 6 28 | 2 6 | 21 53 | 0 24 | 10 34 | 2 16 | 1 31 | 0 44 | 3 50 | 1 42 | 0 17 | 15 5 | 13 15 | 12 41 | 19 38 | 11 46 | 6 3 |
| T 28 | 22 25 | 26 7 | 3 22 | 21 48 | 1 13 | 22 44 | 0 17 | 6 18 | 2 7 | 21 55 | 0 23 | 10 36 | 2 16 | 1 30 | 0 44 | 3 50 | 1 43 | 0 17 | 15 5 | 13 14 | 12 40 | 19 36 | 11 46 | 6 3 |
| F 29 | 22 33 | 27 41 | 4 9 | 21 21 | 1 32 | 22 25 | 0 32 | 6 7 | 2 8 | 21 57 | 0 23 | 10 38 | 2 16 | 1 30 | 0 44 | 3 51 | 1 43 | 0 17 | 15 4 | 13 11 | 12 39 | 19 33 | 11 45 | 6 2 |
| S 30 | 22s40 | 27n49 | 4n42 | 20s54 | 1n51 | 22s 6 | 0n48 | 5n57 | 2n 9 | 21s59 | 0n23 | 10s40 | 2n17 | 1n29 | 0n44 | 3s51 | 1n43 | 0n17 | 15s 4 | 13n 9 | 12n38 | 19n31 | 11s45 | 6n 2 |

Julian Day Number = 2133729.5, Delta T = 16m12s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'32, Lahiri = 11°43'32 Julian Calendar 1 Nov. 1129 == Greg. Calendar 8 Nov. 1129


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# ASTRODIENST EPHEMERIS for the year 1129
# geocentric

## DECEMBER 1129 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 4 13 | 15♐38'29 | 22♋53 | 13°R51 | 16°R11 | 20♍29 | 12♐26 | 3♏47 | 28♍ 0 | 13♎43 | 9°R 4 | 4°R34 | 3♉ 8 | 20♒13 | 11♓ 3 | S 1 |
| M 2 | 5 8 9 | 16°39'38 | 4♌56 | 12♐30 | 15♐35 | 20°56 | 12°40 | 3°52 | 28° 2 | 13°44 | 9♉ 3 | 4♉26 | 3° 5 | 20°20 | 11° 6 | M 2 |
| T 3 | 5 12 6 | 17°40'47 | 16°52 | 11°13 | 14°58 | 21°24 | 12°54 | 3°58 | 28° 3 | 13°46 | 9° 2 | 4°20 | 3° 2 | 20°27 | 11° 9 | T 3 |
| W 4 | 5 16 2 | 18°41'57 | 28°43 | 10° 4 | 14°22 | 21°52 | 13° 7 | 4° 4 | 28° 4 | 13°47 | 9° 1 | 4°16 | 2°59 | 20°33 | 11°12 | W 4 |
| T 5 | 5 19 59 | 19°43'07 | 10♍35 | 9° 2 | 13°47 | 22°19 | 13°21 | 4°10 | 28° 5 | 13°48 | 9° 0 | 4°14 | 2°55 | 20°40 | 11°15 | T 5 |
| F 6 | 5 23 56 | 20°44'18 | 22°31 | 8°11 | 13°13 | 22°46 | 13°35 | 4°16 | 28° 7 | 13°49 | 8°59 | 4°D13 | 2°52 | 20°47 | 11°18 | F 6 |
| S 7 | 5 27 52 | 21°45'30 | 4♎37 | 7°29 | 12°40 | 23°13 | 13°48 | 4°21 | 28° 8 | 13°50 | 8°59 | 4°14 | 2°49 | 20°54 | 11°22 | S 7 |
| S 8 | 5 31 49 | 22°46'42 | 16°57 | 6°59 | 12° 8 | 23°39 | 14° 2 | 4°27 | 28° 9 | 13°51 | 8°58 | 4°15 | 2°46 | 21° 0 | 11°25 | S 8 |
| M 9 | 5 35 45 | 23°47'54 | 29°38 | 6°39 | 11°38 | 24° 6 | 14°16 | 4°32 | 28°10 | 13°52 | 8°57 | 4°R16 | 2°43 | 21° 7 | 11°28 | M 9 |
| T 10 | 5 39 42 | 24°49'07 | 12♏42 | 6°29 | 11°10 | 24°32 | 14°29 | 4°38 | 28°11 | 13°53 | 8°56 | 4°16 | 2°40 | 21°14 | 11°31 | T 10 |
| W11 | 5 43 38 | 25°50'21 | 26°13 | 6°D29 | 10°43 | 24°58 | 14°43 | 4°43 | 28°12 | 13°54 | 8°56 | 4°14 | 2°36 | 21°20 | 11°35 | W11 |
| T 12 | 5 47 35 | 26°51'34 | 10♑ 9 | 6°38 | 10°19 | 25°23 | 14°56 | 4°48 | 28°13 | 13°55 | 8°55 | 4° 9 | 2°33 | 21°27 | 11°38 | T 12 |
| F 13 | 5 51 32 | 27°52'48 | 24°29 | 6°55 | 9°56 | 25°49 | 15°10 | 4°54 | 28°14 | 13°56 | 8°54 | 4° 2 | 2°30 | 21°34 | 11°42 | F 13 |
| S 14 | 5 55 28 | 28°54'02 | 9♑ 7 | 7°19 | 9°36 | 26°14 | 15°23 | 4°59 | 28°14 | 13°57 | 8°53 | 3°53 | 2°27 | 21°41 | 11°45 | S 14 |
| S 15 | 5 59 25 | 29°55'16 | 23°56 | 7°51 | 9°19 | 26°39 | 15°37 | 5° 4 | 28°15 | 13°58 | 8°53 | 3°44 | 2°24 | 21°47 | 11°49 | S 15 |
| M16 | 6 3 21 | 0♑56'29 | 8♒46 | 8°28 | 9° 4 | 27° 4 | 15°50 | 5° 9 | 28°16 | 13°59 | 8°52 | 3°35 | 2°21 | 21°54 | 11°52 | M16 |
| T 17 | 6 7 18 | 1°57'42 | 23°31 | 9°11 | 8°51 | 27°28 | 16° 4 | 5°14 | 28°16 | 14° 0 | 8°52 | 3°28 | 2°17 | 22° 1 | 11°56 | T 17 |
| W18 | 6 11 14 | 2°58'55 | 8♓ 2 | 9°59 | 8°40 | 27°52 | 16°17 | 5°19 | 28°17 | 14° 0 | 8°51 | 3°23 | 2°14 | 22° 7 | 11°59 | W18 |
| T 19 | 6 15 11 | 4° 0'07 | 22°17 | 10°51 | 8°32 | 28°16 | 16°31 | 5°24 | 28°17 | 14° 1 | 8°50 | 3°20 | 2°11 | 22°14 | 12° 3 | T 19 |
| F 20 | 6 19 7 | 5° 1'19 | 6♈13 | 11°46 | 8°27 | 28°39 | 16°44 | 5°28 | 28°18 | 14° 2 | 8°50 | 3°D19 | 2° 8 | 22°21 | 12° 7 | F 20 |
| S 21 | 6 23 4 | 6° 2'29 | 19°51 | 12°46 | 8°24 | 29° 2 | 16°58 | 5°33 | 28°18 | 14° 2 | 8°49 | 3°20 | 2° 5 | 22°28 | 12°10 | S 21 |
| S 22 | 6 27 1 | 7° 3'40 | 3♉13 | 13°48 | 8°D24 | 29°25 | 17°11 | 5°38 | 28°19 | 14° 3 | 8°49 | 3°R20 | 2° 1 | 22°34 | 12°14 | S 22 |
| M23 | 6 30 57 | 8° 4'50 | 16°19 | 14°54 | 8°26 | 29°48 | 17°24 | 5°42 | 28°19 | 14° 4 | 8°48 | 3°20 | 1°58 | 22°41 | 12°18 | M23 |
| T 24 | 6 34 54 | 9° 5'59 | 29°13 | 16° 1 | 8°30 | 0♎10 | 17°37 | 5°47 | 28°19 | 14° 4 | 8°48 | 3°17 | 1°55 | 22°48 | 12°22 | T 24 |
| W25 | 6 38 50 | 10° 7'08 | 11♊55 | 17°11 | 8°37 | 0°32 | 17°51 | 5°51 | 28°19 | 14° 5 | 8°47 | 3°11 | 1°52 | 22°54 | 12°26 | W25 |
| T 26 | 6 42 47 | 11° 8'16 | 24°28 | 18°23 | 8°46 | 0°54 | 18° 4 | 5°55 | 28°19 | 14° 5 | 8°47 | 3° 2 | 1°49 | 23° 1 | 12°29 | T 26 |
| F 27 | 6 46 43 | 12° 9'23 | 6♋51 | 19°37 | 8°57 | 1°15 | 18°17 | 6° 0 | 28°R19 | 14° 6 | 8°46 | 2°51 | 1°46 | 23° 8 | 12°33 | F 27 |
| S 28 | 6 50 40 | 13°10'30 | 19° 6 | 20°53 | 9°10 | 1°36 | 18°30 | 6° 4 | 28°19 | 14° 6 | 8°46 | 2°37 | 1°42 | 23°15 | 12°37 | S 28 |
| S 29 | 6 54 36 | 14°11'37 | 1♌12 | 22°10 | 9°26 | 1°57 | 18°43 | 6° 8 | 28°19 | 14° 7 | 8°45 | 2°24 | 1°39 | 23°21 | 12°41 | S 29 |
| M30 | 6 58 33 | 15°12'42 | 13°12 | 23°28 | 9°43 | 2°17 | 18°56 | 6°12 | 28°19 | 14° 7 | 8°45 | 2°10 | 1°36 | 23°28 | 12°45 | M30 |
| T 31 | 7 2 30 | 16♑13'48 | 25♌ 5 | 24♐48 | 10♑ 3 | 2♎37 | 19♑ 9 | 6♏16 | 28♍19 | 14♎ 7 | 8♉45 | 1♉58 | 1♉33 | 23♌35 | 12♓49 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s47 | 26n34 | 5n 2 | 20s28 | 2n 8 | 21s47 | 1n 4 | 5n47 | 2n10 | 22s 1 | 0n23 | 10s42 | 2n17 | 1n28 | 0n44 | 3s52 | 1n43 | 0n17 | 15s 4 | 13n 6 | 12n37 | 19n28 | 11s44 | 6n 2 |
| M 2 | 22 53 | 24 7 | 5 9 | 20 3 | 2 23 | 21 28 | 1 19 | 5 36 | 2 11 | 22 3 | 0 23 | 10 43 | 2 17 | 1 28 | 0 44 | 3 52 | 1 43 | 0 17 | 15 4 | 13 4 | 12 36 | 19 26 | 11 44 | 6 1 |
| T 3 | 22 59 | 20 38 | 5 1 | 19 40 | 2 35 | 21 8 | 1 34 | 5 26 | 2 12 | 22 4 | 0 23 | 10 45 | 2 17 | 1 27 | 0 44 | 3 53 | 1 43 | 0 17 | 15 4 | 13 2 | 12 35 | 19 23 | 11 43 | 6 1 |
| W 4 | 23 4 | 16 22 | 4 41 | 19 20 | 2 46 | 20 49 | 1 49 | 5 16 | 2 12 | 22 6 | 0 23 | 10 47 | 2 17 | 1 27 | 0 44 | 3 53 | 1 43 | 0 17 | 15 3 | 13 0 | 12 34 | 19 21 | 11 43 | 6 1 |
| T 5 | 23 9 | 11 28 | 4 9 | 19 3 | 2 54 | 20 31 | 2 4 | 5 6 | 2 13 | 22 8 | 0 23 | 10 49 | 2 17 | 1 26 | 0 44 | 3 53 | 1 43 | 0 17 | 15 3 | 12 59 | 12 33 | 19 19 | 11 42 | 6 0 |
| F 6 | 23 14 | 6 8 | 3 26 | 18 50 | 2 59 | 20 12 | 2 19 | 4 56 | 2 14 | 22 10 | 0 23 | 10 51 | 2 17 | 1 26 | 0 44 | 3 54 | 1 43 | 0 17 | 15 3 | 12 59 | 12 32 | 19 16 | 11 42 | 6 0 |
| S 7 | 23 18 | 0 30 | 2 33 | 18 40 | 3 3 | 19 54 | 2 32 | 4 46 | 2 15 | 22 12 | 0 23 | 10 52 | 2 18 | 1 25 | 0 44 | 3 54 | 1 43 | 0 17 | 15 3 | 12 59 | 12 30 | 19 14 | 11 41 | 6 0 |
| S 8 | 23 21 | 5s17 | 1 32 | 18 33 | 3 4 | 19 37 | 2 46 | 4 37 | 2 16 | 22 13 | 0 23 | 10 54 | 2 18 | 1 25 | 0 44 | 3 55 | 1 43 | 0 17 | 15 2 | 13 0 | 12 29 | 19 11 | 11 41 | 5 59 |
| M 9 | 23 24 | 11 0 | 0 25 | 18 30 | 3 4 | 19 20 | 2 59 | 4 27 | 2 17 | 22 15 | 0 22 | 10 56 | 2 18 | 1 25 | 0 44 | 3 55 | 1 43 | 0 17 | 15 2 | 13 0 | 12 28 | 19 9 | 11 40 | 5 59 |
| T 10 | 23 27 | 16 27 | 0s45 | 18 31 | 3 2 | 19 4 | 3 11 | 4 17 | 2 18 | 22 17 | 0 22 | 10 58 | 2 18 | 1 24 | 0 44 | 3 55 | 1 43 | 0 17 | 15 2 | 13 0 | 12 27 | 19 6 | 11 40 | 5 59 |
| W11 | 23 29 | 21 16 | 1 55 | 18 34 | 2 58 | 18 48 | 3 23 | 4 8 | 2 19 | 22 18 | 0 22 | 10 59 | 2 18 | 1 24 | 0 45 | 3 56 | 1 43 | 0 17 | 15 2 | 12 59 | 12 26 | 19 4 | 11 39 | 5 58 |
| T 12 | 23 31 | 25 3 | 3 0 | 18 40 | 2 54 | 18 34 | 3 35 | 3 59 | 2 20 | 22 20 | 0 22 | 11 1 | 2 18 | 1 24 | 0 45 | 3 56 | 1 43 | 0 17 | 15 1 | 12 58 | 12 25 | 19 1 | 11 38 | 5 58 |
| F 13 | 23 32 | 27 22 | 3 56 | 18 48 | 2 48 | 18 20 | 3 45 | 3 49 | 2 21 | 22 21 | 0 22 | 11 2 | 2 18 | 1 23 | 0 45 | 3 56 | 1 43 | 0 17 | 15 1 | 12 55 | 12 24 | 18 59 | 11 38 | 5 58 |
| S 14 | 23 33 | 27 51 | 4 37 | 18 58 | 2 42 | 18 7 | 3 56 | 3 40 | 2 22 | 22 23 | 0 22 | 11 4 | 2 19 | 1 23 | 0 45 | 3 56 | 1 43 | 0 17 | 15 1 | 12 52 | 12 23 | 18 56 | 11 37 | 5 58 |
| S 15 | 23 33 | 26 21 | 5 0 | 19 10 | 2 35 | 17 55 | 4 5 | 3 31 | 2 23 | 22 25 | 0 22 | 11 6 | 2 19 | 1 23 | 0 45 | 3 57 | 1 43 | 0 17 | 15 1 | 12 49 | 12 22 | 18 54 | 11 36 | 5 57 |
| M16 | 23 33 | 23 1 | 5 3 | 19 23 | 2 28 | 17 44 | 4 14 | 3 22 | 2 24 | 22 26 | 0 22 | 11 7 | 2 19 | 1 23 | 0 45 | 3 57 | 1 44 | 0 17 | 15 0 | 12 46 | 12 21 | 18 51 | 11 36 | 5 57 |
| T 17 | 23 32 | 18 15 | 4 46 | 19 38 | 2 20 | 17 34 | 4 22 | 3 13 | 2 25 | 22 28 | 0 22 | 11 9 | 2 19 | 1 22 | 0 45 | 3 57 | 1 44 | 0 17 | 15 0 | 12 44 | 12 20 | 18 49 | 11 35 | 5 57 |
| W18 | 23 31 | 12 28 | 4 11 | 19 53 | 2 12 | 17 25 | 4 30 | 3 5 | 2 25 | 22 29 | 0 22 | 11 10 | 2 19 | 1 22 | 0 45 | 3 58 | 1 44 | 0 17 | 15 0 | 12 42 | 12 18 | 18 46 | 11 34 | 5 57 |
| T 19 | 23 30 | 6 9 | 3 21 | 20 9 | 2 3 | 17 16 | 4 37 | 2 56 | 2 26 | 22 30 | 0 22 | 11 12 | 2 19 | 1 22 | 0 45 | 3 58 | 1 44 | 0 17 | 14 59 | 12 41 | 12 17 | 18 44 | 11 33 | 5 56 |
| F 20 | 23 27 | 0n21 | 2 19 | 20 25 | 1 55 | 17 9 | 4 43 | 2 47 | 2 27 | 22 32 | 0 22 | 11 13 | 2 20 | 1 22 | 0 45 | 3 58 | 1 44 | 0 17 | 14 59 | 12 41 | 12 16 | 18 41 | 11 33 | 5 56 |
| S 21 | 23 25 | 6 42 | 1 11 | 20 41 | 1 46 | 17 3 | 4 49 | 2 39 | 2 28 | 22 33 | 0 22 | 11 14 | 2 20 | 1 22 | 0 45 | 3 58 | 1 44 | 0 17 | 14 59 | 12 41 | 12 15 | 18 39 | 11 32 | 5 56 |
| S 22 | 23 22 | 12 38 | 0 1 | 20 58 | 1 37 | 16 58 | 4 55 | 2 31 | 2 29 | 22 35 | 0 21 | 11 16 | 2 20 | 1 22 | 0 45 | 3 58 | 1 44 | 0 17 | 14 59 | 12 41 | 12 14 | 18 36 | 11 31 | 5 56 |
| M23 | 23 18 | 17 53 | 1n 9 | 21 14 | 1 28 | 16 53 | 4 59 | 2 23 | 2 30 | 22 36 | 0 21 | 11 17 | 2 20 | 1 22 | 0 45 | 3 58 | 1 44 | 0 18 | 14 58 | 12 41 | 12 13 | 18 34 | 11 30 | 5 55 |
| T 24 | 23 14 | 22 14 | 2 13 | 21 30 | 1 19 | 16 50 | 5 4 | 2 15 | 2 31 | 22 37 | 0 21 | 11 18 | 2 20 | 1 22 | 0 45 | 3 59 | 1 44 | 0 18 | 14 58 | 12 40 | 12 12 | 18 31 | 11 29 | 5 55 |
| W25 | 23 10 | 25 28 | 3 10 | 21 46 | 1 10 | 16 47 | 5 8 | 2 7 | 2 32 | 22 39 | 0 21 | 11 20 | 2 21 | 1 22 | 0 45 | 3 59 | 1 44 | 0 18 | 14 58 | 12 38 | 12 11 | 18 29 | 11 29 | 5 55 |
| T 26 | 23 5 | 27 22 | 3 56 | 22 2 | 1 1 | 16 45 | 5 11 | 1 59 | 2 33 | 22 40 | 0 21 | 11 21 | 2 21 | 1 22 | 0 45 | 3 59 | 1 44 | 0 18 | 14 57 | 12 35 | 12 10 | 18 26 | 11 28 | 5 55 |
| F 27 | 23 0 | 27 53 | 4 31 | 22 17 | 0 52 | 16 44 | 5 14 | 1 52 | 2 35 | 22 41 | 0 21 | 11 22 | 2 21 | 1 22 | 0 45 | 3 59 | 1 44 | 0 18 | 14 57 | 12 31 | 12 9 | 18 24 | 11 27 | 5 54 |
| S 28 | 22 54 | 27 1 | 4 52 | 22 31 | 0 44 | 16 44 | 5 16 | 1 44 | 2 36 | 22 42 | 0 21 | 11 23 | 2 21 | 1 22 | 0 45 | 3 59 | 1 44 | 0 18 | 14 57 | 12 26 | 12 7 | 18 21 | 11 26 | 5 54 |
| S 29 | 22 48 | 24 52 | 5 1 | 22 44 | 0 35 | 16 44 | 5 18 | 1 37 | 2 37 | 22 43 | 0 21 | 11 24 | 2 21 | 1 22 | 0 45 | 3 59 | 1 44 | 0 18 | 14 56 | 12 22 | 12 6 | 18 18 | 11 25 | 5 54 |
| M30 | 22 41 | 21 39 | 4 55 | 22 57 | 0 27 | 16 45 | 5 19 | 1 30 | 2 38 | 22 45 | 0 21 | 11 25 | 2 22 | 1 22 | 0 45 | 3 59 | 1 44 | 0 19 | 14 56 | 12 17 | 12 5 | 18 16 | 11 24 | 5 54 |
| T 31 | 22s34 | 17n34 | 4n37 | 23s 9 | 0n18 | 16s47 | 5n20 | 1n23 | 2n39 | 22s46 | 0n21 | 11s27 | 2n22 | 1n22 | 0n45 | 3s59 | 1n44 | 0n19 | 14s56 | 12n13 | 12n 4 | 18n13 | 11s23 | 5n54 |

Julian Day Number = 2133759.5, Delta T = 16m12s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'36, Lahiri = 11°43'36 Julian Calendar 1 Dec. 1129 == Greg. Calendar 8 Dec. 1129


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## JANUARY 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 6 26 | 17♑14'52 | 6♍55 | 26♐ 8 | 10♐24 | 2♎56 | 19♐22 | 6♏19 | 28°R19 | 14♎ 7 | 8°R44 | 1°R49 | 1♉30 | 23♌41 | 12♒53 | W 1 |
| T 2 | 7 10 23 | 18°15'57 | 18°45 | 27°30 | 10°48 | 3°15 | 19°35 | 6°23 | 28♍18 | 14° 8 | 8♉44 | 1♉43 | 1°27 | 23°48 | 12°57 | T 2 |
| F 3 | 7 14 19 | 19°17'00 | 0♎39 | 28°53 | 11°13 | 3°34 | 19°48 | 6°27 | 28°18 | 14° 8 | 8°44 | 1°39 | 1°23 | 23°55 | 13° 1 | F 3 |
| S 4 | 7 18 16 | 20°18'03 | 12°42 | 0♑17 | 11°40 | 3°53 | 20° 1 | 6°30 | 28°18 | 14° 8 | 8°44 | 1°37 | 1°20 | 24° 2 | 13° 6 | S 4 |
| S 5 | 7 22 12 | 21°19'06 | 24°58 | 1°42 | 12° 9 | 4°11 | 20°13 | 6°34 | 28°17 | 14° 8 | 8°43 | 1°37 | 1°17 | 24° 8 | 13°10 | S 5 |
| M 6 | 7 26 9 | 22°20'08 | 7♏33 | 3° 8 | 12°39 | 4°28 | 20°26 | 6°37 | 28°17 | 14° 8 | 8°43 | 1°37 | 1°14 | 24°15 | 13°14 | M 6 |
| T 7 | 7 30 5 | 23°21'09 | 20°33 | 4°34 | 13°11 | 4°45 | 20°39 | 6°40 | 28°16 | 14° 8 | 8°43 | 1°36 | 1°11 | 24°22 | 13°18 | T 7 |
| W 8 | 7 34 2 | 24°22'10 | 4♐ 1 | 6° 2 | 13°44 | 5° 2 | 20°51 | 6°44 | 28°15 | 14° 8 | 8°43 | 1°33 | 1° 7 | 24°28 | 13°22 | W 8 |
| T 9 | 7 37 59 | 25°23'10 | 17°58 | 7°30 | 14°18 | 5°18 | 21° 4 | 6°47 | 28°15 | 14°R 8 | 8°43 | 1°27 | 1° 4 | 24°35 | 13°26 | T 9 |
| F 10 | 7 41 55 | 26°24'09 | 2♑25 | 8°59 | 14°55 | 5°34 | 21°16 | 6°50 | 28°14 | 14° 8 | 8°42 | 1°18 | 1° 1 | 24°42 | 13°31 | F 10 |
| S 11 | 7 45 52 | 27°25'08 | 17°16 | 10°29 | 15°32 | 5°49 | 21°29 | 6°53 | 28°13 | 14° 8 | 8°42 | 1° 7 | 0°58 | 24°49 | 13°35 | S 11 |
| S 12 | 7 49 48 | 28°26'05 | 2♒24 | 11°59 | 16°11 | 6° 4 | 21°41 | 6°55 | 28°12 | 14° 8 | 8°42 | 0°55 | 0°55 | 24°55 | 13°39 | S 12 |
| M13 | 7 53 45 | 29°27'02 | 17°37 | 13°30 | 16°50 | 6°18 | 21°53 | 6°58 | 28°11 | 14° 8 | 8°42 | 0°44 | 0°52 | 25° 2 | 13°43 | M13 |
| T 14 | 7 57 41 | 0♒27'56 | 2♓45 | 15° 2 | 17°31 | 6°32 | 22° 5 | 7° 1 | 28°10 | 14° 8 | 8°42 | 0°34 | 0°48 | 25° 9 | 13°48 | T 14 |
| W15 | 8 1 38 | 1°28'50 | 17°39 | 16°35 | 18°13 | 6°45 | 22°18 | 7° 3 | 28° 9 | 14° 8 | 8°42 | 0°26 | 0°45 | 25°15 | 13°52 | W15 |
| T 16 | 8 5 35 | 2°29'42 | 2♈11 | 18° 8 | 18°57 | 6°58 | 22°30 | 7° 6 | 28° 8 | 14° 8 | 8°D42 | 0°22 | 0°42 | 25°22 | 13°56 | T 16 |
| F 17 | 8 9 31 | 3°30'32 | 16°18 | 19°43 | 19°41 | 7°10 | 22°42 | 7° 8 | 28° 7 | 14° 7 | 8°42 | 0°20 | 0°39 | 25°29 | 14° 0 | F 17 |
| S 18 | 8 13 28 | 4°31'21 | 0♉ 0 | 21°18 | 20°26 | 7°22 | 22°54 | 7°10 | 28° 6 | 14° 7 | 8°42 | 0°20 | 0°36 | 25°36 | 14° 5 | S 18 |
| S 19 | 8 17 24 | 5°32'09 | 13°19 | 22°53 | 21°12 | 7°33 | 23° 5 | 7°13 | 28° 5 | 14° 7 | 8°42 | 0°20 | 0°33 | 25°42 | 14° 9 | S 19 |
| M20 | 8 21 21 | 6°32'55 | 26°17 | 24°30 | 21°59 | 7°44 | 23°17 | 7°15 | 28° 4 | 14° 6 | 8°42 | 0°18 | 0°29 | 25°49 | 14°13 | M20 |
| T 21 | 8 25 17 | 7°33'39 | 8♊59 | 26° 7 | 22°47 | 7°54 | 23°29 | 7°16 | 28° 2 | 14° 6 | 8°42 | 0°15 | 0°26 | 25°56 | 14°18 | T 21 |
| W22 | 8 29 14 | 8°34'21 | 21°28 | 27°45 | 23°35 | 8° 3 | 23°40 | 7°18 | 28° 1 | 14° 6 | 8°42 | 0° 9 | 0°23 | 26° 2 | 14°22 | W22 |
| T 23 | 8 33 10 | 9°35'02 | 3♋46 | 29°24 | 24°25 | 8°12 | 23°52 | 7°20 | 28° 0 | 14° 5 | 8°43 | 29♈59 | 0°20 | 26° 9 | 14°26 | T 23 |
| F 24 | 8 37 7 | 10°35'42 | 15°56 | 1♌ 4 | 25°15 | 8°20 | 24° 4 | 7°22 | 27°58 | 14° 5 | 8°43 | 29°48 | 0°17 | 26°16 | 14°31 | F 24 |
| S 25 | 8 41 4 | 11°36'20 | 27°59 | 2°44 | 26° 6 | 8°28 | 24°15 | 7°23 | 27°57 | 14° 4 | 8°43 | 29°34 | 0°13 | 26°23 | 14°35 | S 25 |
| S 26 | 8 45 0 | 12°36'56 | 9♌57 | 4°26 | 26°58 | 8°35 | 24°26 | 7°25 | 27°55 | 14° 3 | 8°43 | 29°20 | 0°10 | 26°29 | 14°39 | S 26 |
| M27 | 8 48 57 | 13°37'31 | 21°52 | 6° 8 | 27°51 | 8°42 | 24°37 | 7°26 | 27°54 | 14° 3 | 8°43 | 29° 6 | 0° 7 | 26°36 | 14°44 | M27 |
| T 28 | 8 52 53 | 14°38'04 | 3♍43 | 7°51 | 28°44 | 8°47 | 24°49 | 7°27 | 27°52 | 14° 2 | 8°44 | 28°53 | 0° 4 | 26°43 | 14°48 | T 28 |
| W29 | 8 56 50 | 15°38'35 | 15°34 | 9°35 | 29°37 | 8°52 | 25° 0 | 7°28 | 27°50 | 14° 2 | 8°44 | 28°43 | 0° 1 | 26°49 | 14°52 | W29 |
| T 30 | 9 0 46 | 16°39'05 | 27°25 | 11°20 | 0♑32 | 8°57 | 25°11 | 7°29 | 27°49 | 14° 1 | 8°44 | 28°36 | 29♈58 | 26°56 | 14°57 | T 30 |
| F 31 | 9 4 43 | 17♒39'34 | 9♎21 | 13♒ 6 | 1♑27 | 9♎ 1 | 25♐21 | 7♏30 | 27♍47 | 14♎ 0 | 8♉44 | 28♈32 | 29♈54 | 27♌ 3 | 15♒ 1 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s26 | 12n50 | 4n 7 | 23s20 | 0n10 | 16s49 | 5n21 | 1n16 | 2n40 | 22s47 | 0n21 | 11s28 | 2n22 | 1n22 | 0n45 | 3s59 | 1n45 | 0n19 | 14s55 | 12n10 | 12n 3 | 18n11 | 11s22 | 5n53 |
| T 2 | 22 18 | 7 38 | 3 26 | 23 30 | 0 2 | 16 52 | 5 22 | 1 9 | 2 41 | 22 48 | 0 21 | 11 29 | 2 22 | 1 22 | 0 45 | 3 59 | 1 45 | 0 19 | 14 55 | 12 8 | 12 2 | 18 8 | 11 21 | 5 53 |
| F 3 | 22 10 | 2 7 | 2 36 | 23 39 | 0s 6 | 16 55 | 5 22 | 1 3 | 2 42 | 22 49 | 0 21 | 11 30 | 2 22 | 1 22 | 0 45 | 4 0 | 1 45 | 0 19 | 14 55 | 12 6 | 12 1 | 18 6 | 11 20 | 5 53 |
| S 4 | 22 1 | 3s32 | 1 38 | 23 47 | 0 14 | 16 59 | 5 21 | 0 56 | 2 43 | 22 50 | 0 21 | 11 31 | 2 23 | 1 23 | 0 45 | 4 0 | 1 45 | 0 20 | 14 55 | 12 6 | 12 0 | 18 3 | 11 19 | 5 53 |
| S 5 | 21 51 | 9 10 | 0 35 | 23 54 | 0 21 | 17 3 | 5 21 | 0 50 | 2 44 | 22 51 | 0 20 | 11 32 | 2 23 | 1 23 | 0 46 | 4 0 | 1 45 | 0 20 | 14 54 | 12 6 | 11 59 | 18 0 | 11 18 | 5 53 |
| M 6 | 21 42 | 14 36 | 0s31 | 24 0 | 0 29 | 17 8 | 5 20 | 0 44 | 2 45 | 22 52 | 0 20 | 11 32 | 2 23 | 1 23 | 0 46 | 3 59 | 1 45 | 0 20 | 14 54 | 12 6 | 11 57 | 17 58 | 11 17 | 5 53 |
| T 7 | 21 31 | 19 33 | 1 38 | 24 4 | 0 36 | 17 13 | 5 19 | 0 39 | 2 46 | 22 53 | 0 20 | 11 33 | 2 23 | 1 23 | 0 46 | 3 59 | 1 45 | 0 20 | 14 54 | 12 5 | 11 56 | 17 55 | 11 16 | 5 52 |
| W 8 | 21 21 | 23 42 | 2 42 | 24 8 | 0 43 | 17 18 | 5 17 | 0 33 | 2 47 | 22 54 | 0 20 | 11 34 | 2 23 | 1 24 | 0 46 | 3 59 | 1 45 | 0 21 | 14 53 | 12 4 | 11 55 | 17 53 | 11 15 | 5 52 |
| T 9 | 21 10 | 26 38 | 3 39 | 24 10 | 0 49 | 17 24 | 5 16 | 0 27 | 2 48 | 22 55 | 0 20 | 11 35 | 2 24 | 1 24 | 0 46 | 3 59 | 1 45 | 0 21 | 14 53 | 12 2 | 11 54 | 17 50 | 11 14 | 5 52 |
| F 10 | 20 58 | 27 55 | 4 23 | 24 11 | 0 56 | 17 30 | 5 14 | 0 22 | 2 49 | 22 56 | 0 20 | 11 36 | 2 24 | 1 24 | 0 46 | 3 59 | 1 45 | 0 21 | 14 53 | 11 59 | 11 53 | 17 47 | 11 13 | 5 52 |
| S 11 | 20 47 | 27 15 | 4 51 | 24 10 | 1 2 | 17 36 | 5 12 | 0 17 | 2 50 | 22 57 | 0 20 | 11 36 | 2 24 | 1 25 | 0 46 | 3 59 | 1 45 | 0 21 | 14 52 | 11 55 | 11 52 | 17 45 | 11 12 | 5 52 |
| S 12 | 20 34 | 24 35 | 5 0 | 24 8 | 1 8 | 17 42 | 5 9 | 0 12 | 2 52 | 22 58 | 0 20 | 11 37 | 2 24 | 1 25 | 0 46 | 3 59 | 1 45 | 0 22 | 14 52 | 11 51 | 11 51 | 17 42 | 11 11 | 5 52 |
| M13 | 20 22 | 20 11 | 4 47 | 24 5 | 1 14 | 17 49 | 5 7 | 0 8 | 2 53 | 22 58 | 0 20 | 11 38 | 2 24 | 1 25 | 0 46 | 3 59 | 1 45 | 0 22 | 14 52 | 11 47 | 11 50 | 17 39 | 11 10 | 5 52 |
| T 14 | 20 9 | 14 29 | 4 14 | 24 1 | 1 19 | 17 55 | 5 4 | 0 3 | 2 54 | 22 59 | 0 20 | 11 39 | 2 25 | 1 26 | 0 46 | 3 59 | 1 45 | 0 22 | 14 51 | 11 43 | 11 49 | 17 37 | 11 9 | 5 52 |
| W15 | 19 56 | 8 2 | 3 25 | 23 55 | 1 24 | 18 2 | 5 1 | 0s 1 | 2 55 | 23 0 | 0 20 | 11 39 | 2 25 | 1 26 | 0 46 | 3 59 | 1 45 | 0 23 | 14 51 | 11 41 | 11 47 | 17 34 | 11 8 | 5 51 |
| T 16 | 19 42 | 1 18 | 2 23 | 23 48 | 1 29 | 18 9 | 4 58 | 0 5 | 2 56 | 23 1 | 0 20 | 11 40 | 2 25 | 1 27 | 0 46 | 3 59 | 1 46 | 0 23 | 14 51 | 11 39 | 11 46 | 17 31 | 11 7 | 5 51 |
| F 17 | 19 28 | 5n19 | 1 13 | 23 39 | 1 34 | 18 15 | 4 55 | 0 9 | 2 57 | 23 1 | 0 20 | 11 40 | 2 25 | 1 27 | 0 46 | 3 58 | 1 46 | 0 23 | 14 50 | 11 39 | 11 45 | 17 29 | 11 6 | 5 51 |
| S 18 | 19 13 | 11 30 | 0 2 | 23 29 | 1 38 | 18 22 | 4 51 | 0 13 | 2 58 | 23 2 | 0 20 | 11 41 | 2 26 | 1 28 | 0 46 | 3 58 | 1 46 | 0 24 | 14 50 | 11 38 | 11 44 | 17 26 | 11 5 | 5 51 |
| S 19 | 18 59 | 16 59 | 1n 8 | 23 17 | 1 43 | 18 29 | 4 48 | 0 16 | 2 59 | 23 3 | 0 20 | 11 41 | 2 26 | 1 28 | 0 46 | 3 58 | 1 46 | 0 24 | 14 50 | 11 38 | 11 43 | 17 23 | 11 3 | 5 51 |
| M20 | 18 44 | 21 34 | 2 12 | 23 4 | 1 46 | 18 35 | 4 44 | 0 19 | 3 0 | 23 3 | 0 20 | 11 42 | 2 26 | 1 29 | 0 46 | 3 58 | 1 46 | 0 24 | 14 49 | 11 38 | 11 42 | 17 21 | 11 2 | 5 51 |
| T 21 | 18 28 | 25 1 | 3 9 | 22 49 | 1 50 | 18 42 | 4 40 | 0 22 | 3 1 | 23 4 | 0 19 | 11 42 | 2 26 | 1 29 | 0 46 | 3 58 | 1 46 | 0 25 | 14 49 | 11 37 | 11 41 | 17 18 | 11 1 | 5 51 |
| W22 | 18 12 | 27 11 | 3 55 | 22 33 | 1 53 | 18 48 | 4 36 | 0 25 | 3 2 | 23 5 | 0 19 | 11 42 | 2 26 | 1 30 | 0 46 | 3 57 | 1 46 | 0 25 | 14 49 | 11 35 | 11 40 | 17 15 | 11 0 | 5 51 |
| T 23 | 17 56 | 27 59 | 4 29 | 22 16 | 1 56 | 18 54 | 4 32 | 0 28 | 3 4 | 23 5 | 0 19 | 11 43 | 2 27 | 1 30 | 0 46 | 3 57 | 1 46 | 0 25 | 14 48 | 11 31 | 11 39 | 17 13 | 10 59 | 5 51 |
| F 24 | 17 40 | 27 25 | 4 51 | 21 56 | 1 58 | 19 0 | 4 28 | 0 30 | 3 5 | 23 6 | 0 19 | 11 43 | 2 27 | 1 31 | 0 46 | 3 57 | 1 46 | 0 26 | 14 48 | 11 27 | 11 37 | 17 10 | 10 58 | 5 51 |
| S 25 | 17 23 | 25 33 | 5 0 | 21 35 | 2 0 | 19 6 | 4 24 | 0 32 | 3 6 | 23 7 | 0 19 | 11 43 | 2 27 | 1 32 | 0 46 | 3 57 | 1 46 | 0 26 | 14 48 | 11 22 | 11 36 | 17 7 | 10 56 | 5 51 |
| S 26 | 17 6 | 22 34 | 4 55 | 21 13 | 2 2 | 19 12 | 4 19 | 0 34 | 3 7 | 23 7 | 0 19 | 11 44 | 2 27 | 1 32 | 0 46 | 3 56 | 1 46 | 0 27 | 14 47 | 11 17 | 11 35 | 17 5 | 10 55 | 5 51 |
| M27 | 16 49 | 18 39 | 4 37 | 20 49 | 2 3 | 19 18 | 4 15 | 0 35 | 3 8 | 23 8 | 0 19 | 11 44 | 2 28 | 1 33 | 0 46 | 3 56 | 1 46 | 0 27 | 14 47 | 11 12 | 11 34 | 17 2 | 10 54 | 5 51 |
| T 28 | 16 31 | 14 1 | 4 7 | 20 23 | 2 4 | 19 23 | 4 10 | 0 37 | 3 9 | 23 8 | 0 19 | 11 44 | 2 28 | 1 34 | 0 46 | 3 56 | 1 46 | 0 27 | 14 47 | 11 8 | 11 33 | 16 59 | 10 53 | 5 51 |
| W29 | 16 13 | 8 53 | 3 27 | 19 56 | 2 5 | 19 28 | 4 5 | 0 38 | 3 10 | 23 9 | 0 19 | 11 44 | 2 28 | 1 34 | 0 46 | 3 56 | 1 46 | 0 28 | 14 46 | 11 4 | 11 32 | 16 57 | 10 52 | 5 51 |
| T 30 | 15 55 | 3 26 | 2 37 | 19 27 | 2 5 | 19 33 | 4 1 | 0 38 | 3 11 | 23 9 | 0 19 | 11 44 | 2 28 | 1 35 | 0 46 | 3 55 | 1 46 | 0 28 | 14 46 | 11 2 | 11 31 | 16 54 | 10 50 | 5 51 |
| F 31 | 15s37 | 2s12 | 1n40 | 18s57 | 2s 4 | 19s37 | 3n56 | 0s39 | 3n12 | 23s10 | 0n19 | 11s44 | 2n29 | 1n36 | 0n46 | 3s55 | 1n46 | 0n28 | 14s46 | 11n 0 | 11n30 | 16n51 | 10s49 | 5n51 |

Julian Day Number = 2133790.5, Delta T = 16m12s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'40, Lahiri = 11°43'40 Julian Calendar 1 Jan. 1130 == Greg. Calendar 8 Jan. 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## FEBRUARY 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 8 39 | 18♒40'01 | 21♎24 | 14♒53 | 2♑22 | 9♎ 4 | 25♐32 | 7♏31 | 27°R45 | 13°R59 | 8♉45 | 28°R30 | 29♈51 | 27♌ 9 | 15♒ 6 | S 1 |
| S 2 | 9 12 36 | 19°40'27 | 3♏39 | 16°41 | 3°18 | 9° 6 | 25°43 | 7°32 | 27♍43 | 13♎59 | 8°45 | 28°D30 | 29°48 | 27°16 | 15°10 | S 2 |
| M 3 | 9 16 33 | 20°40'52 | 16°11 | 18°29 | 4°15 | 9° 8 | 25°53 | 7°33 | 27°41 | 13°58 | 8°46 | 28°R30 | 29°45 | 27°23 | 15°14 | M 3 |
| T 4 | 9 20 29 | 21°41'15 | 29° 5 | 20°19 | 5°12 | 9° 9 | 26° 4 | 7°33 | 27°40 | 13°57 | 8°46 | 28♈30 | 29°42 | 27°30 | 15°19 | T 4 |
| W 5 | 9 24 26 | 22°41'36 | 12♐25 | 22° 9 | 6°10 | 9°R 9 | 26°14 | 7°34 | 27°38 | 13°56 | 8°46 | 28°28 | 29°38 | 27°36 | 15°23 | W 5 |
| T 6 | 9 28 22 | 23°41'57 | 26°14 | 24° 1 | 7° 8 | 9° 8 | 26°25 | 7°34 | 27°36 | 13°55 | 8°47 | 28°24 | 29°35 | 27°43 | 15°27 | T 6 |
| F 7 | 9 32 19 | 24°42'15 | 10♑33 | 25°53 | 8° 6 | 9° 7 | 26°35 | 7°34 | 27°34 | 13°54 | 8°47 | 28°18 | 29°32 | 27°50 | 15°31 | F 7 |
| S 8 | 9 36 15 | 25°42'33 | 25°19 | 27°46 | 9° 5 | 9° 5 | 26°45 | 7°34 | 27°32 | 13°54 | 8°48 | 28° 9 | 29°29 | 27°56 | 15°36 | S 8 |
| S 9 | 9 40 12 | 26°42'48 | 10♒26 | 29°40 | 10° 5 | 9° 2 | 26°55 | 7°R34 | 27°29 | 13°53 | 8°48 | 28° 0 | 29°26 | 28° 3 | 15°40 | S 9 |
| M10 | 9 44 8 | 27°43'02 | 25°44 | 1♓34 | 11° 4 | 8°58 | 27° 5 | 7°34 | 27°27 | 13°52 | 8°49 | 27°50 | 29°23 | 28°10 | 15°44 | M10 |
| T 11 | 9 48 5 | 28°43'14 | 11♓ 3 | 3°30 | 12° 5 | 8°54 | 27°14 | 7°34 | 27°25 | 13°51 | 8°49 | 27°42 | 29°19 | 28°17 | 15°49 | T 11 |
| W12 | 9 52 2 | 29°43'23 | 26°11 | 5°25 | 13° 5 | 8°49 | 27°24 | 7°34 | 27°23 | 13°49 | 8°50 | 27°36 | 29°16 | 28°23 | 15°53 | W12 |
| T 13 | 9 55 58 | 0♓43'31 | 10♈58 | 7°21 | 14° 6 | 8°43 | 27°34 | 7°33 | 27°21 | 13°48 | 8°50 | 27°33 | 29°13 | 28°30 | 15°57 | T 13 |
| F 14 | 9 59 55 | 1°43'37 | 25°20 | 9°17 | 15° 7 | 8°36 | 27°43 | 7°33 | 27°19 | 13°47 | 8°51 | 27°D32 | 29°10 | 28°37 | 16° 1 | F 14 |
| S 15 | 10 3 51 | 2°43'40 | 9♉14 | 11°13 | 16° 9 | 8°29 | 27°52 | 7°32 | 27°16 | 13°46 | 8°52 | 27°32 | 29° 7 | 28°43 | 16° 6 | S 15 |
| S 16 | 10 7 48 | 3°43'42 | 22°41 | 13° 8 | 17°11 | 8°20 | 28° 2 | 7°31 | 27°14 | 13°45 | 8°52 | 27°33 | 29° 4 | 28°50 | 16°10 | S 16 |
| M17 | 10 11 44 | 4°43'41 | 5♊43 | 15° 3 | 18°13 | 8°11 | 28°11 | 7°31 | 27°12 | 13°44 | 8°53 | 27°R33 | 29° 0 | 28°57 | 16°14 | M17 |
| T 18 | 10 15 41 | 5°43'38 | 18°24 | 16°58 | 19°15 | 8° 1 | 28°20 | 7°30 | 27° 9 | 13°43 | 8°54 | 27°32 | 28°57 | 29° 3 | 16°18 | T 18 |
| W19 | 10 19 37 | 6°43'33 | 0♋48 | 18°51 | 20°18 | 7°51 | 28°28 | 7°29 | 27° 7 | 13°41 | 8°54 | 27°29 | 28°54 | 29°10 | 16°22 | W19 |
| T 20 | 10 23 34 | 7°43'25 | 12°59 | 20°42 | 21°21 | 7°40 | 28°37 | 7°27 | 27° 5 | 13°40 | 8°55 | 27°24 | 28°51 | 29°17 | 16°26 | T 20 |
| F 21 | 10 27 31 | 8°43'15 | 25° 2 | 22°31 | 22°24 | 7°27 | 28°46 | 7°26 | 27° 2 | 13°39 | 8°56 | 27°17 | 28°48 | 29°24 | 16°30 | F 21 |
| S 22 | 10 31 27 | 9°43'04 | 6♌58 | 24°18 | 23°28 | 7°15 | 28°54 | 7°25 | 27° 0 | 13°38 | 8°57 | 27° 8 | 28°44 | 29°30 | 16°35 | S 22 |
| S 23 | 10 35 24 | 10°42'49 | 18°51 | 26° 2 | 24°32 | 7° 1 | 29° 2 | 7°24 | 26°57 | 13°36 | 8°57 | 26°59 | 28°41 | 29°37 | 16°39 | S 23 |
| M24 | 10 39 20 | 11°42'33 | 0♍42 | 27°42 | 25°36 | 6°47 | 29°11 | 7°22 | 26°55 | 13°35 | 8°58 | 26°50 | 28°38 | 29°44 | 16°43 | M24 |
| T 25 | 10 43 17 | 12°42'15 | 12°33 | 29°19 | 26°40 | 6°32 | 29°19 | 7°21 | 26°53 | 13°34 | 8°59 | 26°42 | 28°35 | 29°50 | 16°47 | T 25 |
| W26 | 10 47 13 | 13°41'54 | 24°27 | 0♈51 | 27°45 | 6°16 | 29°26 | 7°19 | 26°50 | 13°32 | 9° 0 | 26°36 | 28°32 | 29°57 | 16°51 | W26 |
| T 27 | 10 51 10 | 14°41'32 | 6♎24 | 2°18 | 28°49 | 6° 0 | 29°34 | 7°17 | 26°48 | 13°31 | 9° 1 | 26°32 | 28°29 | 0♍ 4 | 16°55 | T 27 |
| F 28 | 10 55 6 | 15♓41'07 | 18♎27 | 3♈40 | 29♑54 | 5♎43 | 29♐42 | 7♏15 | 26♍45 | 13♎30 | 9♉ 1 | 26♈30 | 28♈25 | 0♍11 | 16♒59 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s18 | 7s48 | 0n38 | 18s25 | 2s 3 | 19s41 | 3n51 | 0s39 | 3n13 | 23s10 | 0n19 | 11s44 | 2n29 | 1n36 | 0n46 | 3s55 | 1n46 | 0n29 | 14s45 | 11n 0 | 11n28 | 16n48 | 10s48 | 5n51 |
| S 2 | 14 59 | 13 13 | 0s27 | 17 51 | 2 2 | 19 45 | 3 46 | 0 39 | 3 14 | 23 10 | 0 19 | 11 44 | 2 29 | 1 37 | 0 46 | 3 54 | 1 47 | 0 29 | 14 45 | 11 0 | 11 27 | 16 46 | 10 47 | 5 51 |
| M 3 | 14 40 | 18 14 | 1 33 | 17 16 | 2 0 | 19 48 | 3 41 | 0 39 | 3 15 | 23 11 | 0 19 | 11 44 | 2 29 | 1 38 | 0 46 | 3 54 | 1 47 | 0 30 | 14 45 | 11 0 | 11 26 | 16 43 | 10 45 | 5 51 |
| T 4 | 14 21 | 22 34 | 2 35 | 16 39 | 1 58 | 19 51 | 3 36 | 0 39 | 3 16 | 23 11 | 0 19 | 11 44 | 2 29 | 1 39 | 0 46 | 3 54 | 1 47 | 0 30 | 14 44 | 11 0 | 11 25 | 16 40 | 10 44 | 5 51 |
| W 5 | 14 1 | 25 53 | 3 31 | 16 0 | 1 55 | 19 54 | 3 31 | 0 38 | 3 17 | 23 11 | 0 19 | 11 44 | 2 30 | 1 40 | 0 46 | 3 53 | 1 47 | 0 31 | 14 44 | 10 59 | 11 24 | 16 37 | 10 43 | 5 51 |
| T 6 | 13 41 | 27 47 | 4 17 | 15 20 | 1 52 | 19 56 | 3 26 | 0 37 | 3 18 | 23 12 | 0 18 | 11 44 | 2 30 | 1 40 | 0 47 | 3 53 | 1 47 | 0 31 | 14 44 | 10 58 | 11 23 | 16 35 | 10 42 | 5 51 |
| F 7 | 13 21 | 27 56 | 4 49 | 14 39 | 1 48 | 19 58 | 3 20 | 0 35 | 3 18 | 23 12 | 0 18 | 11 44 | 2 30 | 1 41 | 0 47 | 3 52 | 1 47 | 0 31 | 14 43 | 10 55 | 11 22 | 16 32 | 10 40 | 5 51 |
| S 8 | 13 1 | 26 8 | 5 3 | 13 56 | 1 44 | 20 0 | 3 15 | 0 34 | 3 19 | 23 12 | 0 18 | 11 44 | 2 30 | 1 42 | 0 47 | 3 52 | 1 47 | 0 32 | 14 43 | 10 52 | 11 21 | 16 29 | 10 39 | 5 51 |
| S 9 | 12 40 | 22 28 | 4 57 | 13 11 | 1 39 | 20 1 | 3 10 | 0 32 | 3 20 | 23 13 | 0 18 | 11 44 | 2 31 | 1 43 | 0 47 | 3 52 | 1 47 | 0 32 | 14 43 | 10 49 | 11 19 | 16 26 | 10 38 | 5 51 |
| M10 | 12 19 | 17 13 | 4 29 | 12 25 | 1 33 | 20 1 | 3 5 | 0 30 | 3 21 | 23 13 | 0 18 | 11 43 | 2 31 | 1 44 | 0 47 | 3 51 | 1 47 | 0 33 | 14 42 | 10 45 | 11 18 | 16 24 | 10 36 | 5 51 |
| T 11 | 11 59 | 10 52 | 3 42 | 11 37 | 1 27 | 20 2 | 2 59 | 0 27 | 3 22 | 23 13 | 0 18 | 11 43 | 2 31 | 1 45 | 0 47 | 3 51 | 1 47 | 0 33 | 14 42 | 10 42 | 11 17 | 16 21 | 10 35 | 5 51 |
| W12 | 11 37 | 3 58 | 2 39 | 10 49 | 1 20 | 20 1 | 2 54 | 0 25 | 3 22 | 23 14 | 0 18 | 11 43 | 2 31 | 1 45 | 0 47 | 3 50 | 1 47 | 0 34 | 14 42 | 10 40 | 11 16 | 16 18 | 10 34 | 5 51 |
| T 13 | 11 16 | 3n 1 | 1 27 | 9 58 | 1 13 | 20 0 | 2 49 | 0 22 | 3 23 | 23 14 | 0 18 | 11 43 | 2 32 | 1 46 | 0 47 | 3 50 | 1 47 | 0 34 | 14 41 | 10 39 | 11 15 | 16 15 | 10 33 | 5 51 |
| F 14 | 10 55 | 9 40 | 0 12 | 9 7 | 1 5 | 19 59 | 2 43 | 0 18 | 3 24 | 23 14 | 0 18 | 11 42 | 2 32 | 1 47 | 0 47 | 3 49 | 1 47 | 0 35 | 14 41 | 10 39 | 11 14 | 16 13 | 10 31 | 5 51 |
| S 15 | 10 33 | 15 38 | 1n 2 | 8 15 | 0 56 | 19 58 | 2 38 | 0 15 | 3 24 | 23 14 | 0 18 | 11 42 | 2 32 | 1 48 | 0 47 | 3 49 | 1 47 | 0 35 | 14 41 | 10 39 | 11 13 | 16 10 | 10 30 | 5 51 |
| S 16 | 10 11 | 20 38 | 2 11 | 7 22 | 0 47 | 19 55 | 2 33 | 0 11 | 3 25 | 23 14 | 0 18 | 11 41 | 2 32 | 1 49 | 0 47 | 3 48 | 1 47 | 0 36 | 14 41 | 10 39 | 11 12 | 16 7 | 10 29 | 5 51 |
| M17 | 9 49 | 24 29 | 3 10 | 6 29 | 0 37 | 19 53 | 2 27 | 0 7 | 3 25 | 23 15 | 0 18 | 11 41 | 2 32 | 1 50 | 0 47 | 3 48 | 1 47 | 0 36 | 14 40 | 10 39 | 11 10 | 16 4 | 10 27 | 5 51 |
| T 18 | 9 27 | 27 0 | 3 58 | 5 35 | 0 26 | 19 49 | 2 22 | 0 3 | 3 26 | 23 15 | 0 18 | 11 40 | 2 33 | 1 51 | 0 47 | 3 47 | 1 47 | 0 37 | 14 40 | 10 39 | 11 9 | 16 1 | 10 26 | 5 51 |
| W19 | 9 5 | 28 8 | 4 34 | 4 40 | 0 15 | 19 46 | 2 16 | 0n 2 | 3 26 | 23 15 | 0 18 | 11 40 | 2 33 | 1 52 | 0 47 | 3 47 | 1 47 | 0 37 | 14 40 | 10 38 | 11 8 | 15 59 | 10 25 | 5 51 |
| T 20 | 8 43 | 27 51 | 4 57 | 3 46 | 0 4 | 19 42 | 2 11 | 0 7 | 3 27 | 23 15 | 0 18 | 11 39 | 2 33 | 1 53 | 0 47 | 3 46 | 1 47 | 0 38 | 14 39 | 10 36 | 11 7 | 15 56 | 10 24 | 5 51 |
| F 21 | 8 20 | 26 15 | 5 6 | 2 52 | 0n 8 | 19 37 | 2 6 | 0 12 | 3 27 | 23 15 | 0 18 | 11 39 | 2 33 | 1 54 | 0 47 | 3 46 | 1 47 | 0 38 | 14 39 | 10 33 | 11 6 | 15 53 | 10 22 | 5 52 |
| S 22 | 7 58 | 23 29 | 5 2 | 1 58 | 0 20 | 19 32 | 2 0 | 0 17 | 3 27 | 23 15 | 0 18 | 11 38 | 2 34 | 1 55 | 0 47 | 3 45 | 1 47 | 0 39 | 14 39 | 10 30 | 11 5 | 15 50 | 10 21 | 5 52 |
| S 23 | 7 35 | 19 45 | 4 45 | 1 5 | 0 33 | 19 26 | 1 55 | 0 22 | 3 27 | 23 16 | 0 17 | 11 37 | 2 34 | 1 56 | 0 47 | 3 45 | 1 48 | 0 39 | 14 38 | 10 27 | 11 4 | 15 47 | 10 20 | 5 52 |
| M24 | 7 12 | 15 15 | 4 15 | 0 13 | 0 46 | 19 20 | 1 50 | 0 28 | 3 27 | 23 16 | 0 17 | 11 37 | 2 34 | 1 57 | 0 47 | 3 44 | 1 48 | 0 40 | 14 38 | 10 24 | 11 2 | 15 45 | 10 18 | 5 52 |
| T 25 | 6 49 | 10 11 | 3 35 | 0n38 | 0 59 | 19 13 | 1 44 | 0 34 | 3 28 | 23 16 | 0 17 | 11 36 | 2 34 | 1 58 | 0 47 | 3 44 | 1 48 | 0 40 | 14 38 | 10 21 | 11 1 | 15 42 | 10 17 | 5 52 |
| W26 | 6 26 | 4 44 | 2 45 | 1 26 | 1 12 | 19 6 | 1 39 | 0 40 | 3 28 | 23 16 | 0 17 | 11 35 | 2 34 | 1 59 | 0 47 | 3 43 | 1 48 | 0 41 | 14 38 | 10 18 | 11 0 | 15 39 | 10 16 | 5 52 |
| T 27 | 6 3 | 0s55 | 1 47 | 2 13 | 1 25 | 18 58 | 1 34 | 0 47 | 3 27 | 23 16 | 0 17 | 11 34 | 2 35 | 2 0 | 0 47 | 3 42 | 1 48 | 0 41 | 14 37 | 10 17 | 10 59 | 15 36 | 10 14 | 5 52 |
| F 28 | 5s40 | 6s36 | 0n44 | 2n58 | 1n38 | 18s49 | 1n29 | 0n53 | 3n27 | 23s16 | 0n17 | 11s34 | 2n35 | 2n 1 | 0n47 | 3s42 | 1n48 | 0n42 | 14s37 | 10n16 | 10n58 | 15n33 | 10s13 | 5n52 |

Julian Day Number = 2133821.5, Delta T = 16m12s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'44, Lahiri = 11°43'45 Julian Calendar 1 Feb. 1130 == Greg. Calendar 8 Feb. 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## MARCH 1130 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 59 3 | 16♓40'41 | 0♏38 | 4♈56 | 0♒59 | 5°R25 | 29♐49 | 7°R13 | 26°R42 | 13°R28 | 9♉ 2 | 26°D29 | 28♈22 | 0♍17 | 17♒ 2 | S 1 |
| S 2 | 11 2 59 | 17°40'13 | 13° 0 | 6° 6 | 2° 5 | 5♎ 7 | 29°57 | 7♏11 | 26♍40 | 13♎27 | 9° 3 | 26♈30 | 28°19 | 0°24 | 17° 6 | S 2 |
| M 3 | 11 6 56 | 18°39'43 | 25°36 | 7° 9 | 3°10 | 4°48 | 0♑ 4 | 7° 9 | 26°37 | 13°25 | 9° 4 | 26°32 | 28°16 | 0°31 | 17°10 | M 3 |
| T 4 | 11 10 53 | 19°39'11 | 8♐31 | 8° 6 | 4°16 | 4°29 | 0°11 | 7° 7 | 26°35 | 13°24 | 9° 5 | 26°33 | 28°13 | 0°37 | 17°14 | T 4 |
| W 5 | 11 14 49 | 20°38'38 | 21°47 | 8°55 | 5°22 | 4° 9 | 0°18 | 7° 4 | 26°32 | 13°22 | 9° 6 | 26°R34 | 28°10 | 0°44 | 17°18 | W 5 |
| T 6 | 11 18 46 | 21°38'02 | 5♑27 | 9°38 | 6°28 | 3°49 | 0°25 | 7° 2 | 26°30 | 13°21 | 9° 7 | 26°33 | 28° 6 | 0°51 | 17°22 | T 6 |
| F 7 | 11 22 42 | 22°37'25 | 19°33 | 10°12 | 7°35 | 3°28 | 0°31 | 7° 0 | 26°27 | 13°19 | 9° 8 | 26°31 | 28° 3 | 0°57 | 17°25 | F 7 |
| S 8 | 11 26 39 | 23°36'46 | 4♒ 4 | 10°40 | 8°41 | 3° 7 | 0°38 | 6°57 | 26°25 | 13°18 | 9° 9 | 26°27 | 28° 0 | 1° 4 | 17°29 | S 8 |
| S 9 | 11 30 35 | 24°36'06 | 18°55 | 10°59 | 9°48 | 2°45 | 0°44 | 6°54 | 26°22 | 13°16 | 9°10 | 26°22 | 27°57 | 1°11 | 17°33 | S 9 |
| M10 | 11 34 32 | 25°35'23 | 3♓59 | 11°11 | 10°55 | 2°23 | 0°50 | 6°52 | 26°19 | 13°15 | 9°11 | 26°18 | 27°54 | 1°18 | 17°36 | M10 |
| T 11 | 11 38 28 | 26°34'38 | 19° 9 | 11°R16 | 12° 1 | 2° 1 | 0°56 | 6°49 | 26°17 | 13°13 | 9°12 | 26°14 | 27°50 | 1°24 | 17°40 | T 11 |
| W12 | 11 42 25 | 27°33'51 | 4♈13 | 11°13 | 13° 9 | 1°38 | 1° 2 | 6°46 | 26°14 | 13°12 | 9°13 | 26°11 | 27°47 | 1°31 | 17°44 | W12 |
| T 13 | 11 46 22 | 28°33'03 | 19° 4 | 11° 4 | 14°16 | 1°16 | 1° 8 | 6°43 | 26°12 | 13°10 | 9°14 | 26°D10 | 27°44 | 1°38 | 17°47 | T 13 |
| F 14 | 11 50 18 | 29°32'11 | 3♉33 | 10°47 | 15°23 | 0°53 | 1°14 | 6°40 | 26° 9 | 13° 9 | 9°15 | 26°10 | 27°41 | 1°44 | 17°51 | F 14 |
| S 15 | 11 54 15 | 0♈31'18 | 17°36 | 10°25 | 16°31 | 0°30 | 1°19 | 6°37 | 26° 6 | 13° 7 | 9°16 | 26°11 | 27°38 | 1°51 | 17°54 | S 15 |
| S 16 | 11 58 11 | 1°30'23 | 1♊12 | 9°56 | 17°38 | 0° 7 | 1°24 | 6°33 | 26° 4 | 13° 5 | 9°17 | 26°12 | 27°35 | 1°58 | 17°57 | S 16 |
| M17 | 12 2 8 | 2°29'25 | 14°22 | 9°23 | 18°46 | 29♍44 | 1°29 | 6°30 | 26° 1 | 13° 4 | 9°18 | 26°14 | 27°31 | 2° 4 | 18° 1 | M17 |
| T 18 | 12 6 4 | 3°28'25 | 27° 9 | 8°46 | 19°54 | 29°20 | 1°34 | 6°27 | 25°59 | 13° 2 | 9°20 | 26°15 | 27°28 | 2°11 | 18° 4 | T 18 |
| W19 | 12 10 1 | 4°27'22 | 9♋35 | 8° 5 | 21° 2 | 28°57 | 1°39 | 6°23 | 25°56 | 13° 1 | 9°21 | 26°R15 | 27°25 | 2°18 | 18° 8 | W19 |
| T 20 | 12 13 57 | 5°26'17 | 21°47 | 7°21 | 22°10 | 28°34 | 1°43 | 6°20 | 25°54 | 12°59 | 9°22 | 26°14 | 27°22 | 2°25 | 18°11 | T 20 |
| F 21 | 12 17 54 | 6°25'10 | 3♌48 | 6°36 | 23°18 | 28°12 | 1°48 | 6°16 | 25°51 | 12°57 | 9°23 | 26°12 | 27°19 | 2°31 | 18°14 | F 21 |
| S 22 | 12 21 51 | 7°24'00 | 15°41 | 5°50 | 24°26 | 27°49 | 1°52 | 6°13 | 25°48 | 12°56 | 9°24 | 26° 9 | 27°16 | 2°38 | 18°17 | S 22 |
| S 23 | 12 25 47 | 8°22'49 | 27°32 | 5° 4 | 25°35 | 27°27 | 1°56 | 6° 9 | 25°46 | 12°54 | 9°25 | 26° 7 | 27°12 | 2°45 | 18°20 | S 23 |
| M24 | 12 29 44 | 9°21'35 | 9♍23 | 4°18 | 26°43 | 27° 5 | 2° 0 | 6° 5 | 25°43 | 12°52 | 9°27 | 26° 4 | 27° 9 | 2°51 | 18°23 | M24 |
| T 25 | 12 33 40 | 10°20'18 | 21°16 | 3°35 | 27°52 | 26°43 | 2° 4 | 6° 2 | 25°41 | 12°51 | 9°28 | 26° 1 | 27° 6 | 2°58 | 18°27 | T 25 |
| W26 | 12 37 37 | 11°19'00 | 3♎15 | 2°54 | 29° 0 | 26°21 | 2° 7 | 5°58 | 25°38 | 12°49 | 9°29 | 26° 0 | 27° 3 | 3° 5 | 18°30 | W26 |
| T 27 | 12 41 33 | 12°17'40 | 15°22 | 2°16 | 0♓ 9 | 26° 0 | 2°10 | 5°54 | 25°36 | 12°48 | 9°30 | 25°59 | 27° 0 | 3°11 | 18°32 | T 27 |
| F 28 | 12 45 30 | 13°16'17 | 27°37 | 1°41 | 1°18 | 25°40 | 2°14 | 5°50 | 25°34 | 12°46 | 9°31 | 25°D58 | 26°56 | 3°18 | 18°35 | F 28 |
| S 29 | 12 49 26 | 14°14'53 | 10♏ 2 | 1°11 | 2°27 | 25°20 | 2°17 | 5°46 | 25°31 | 12°44 | 9°33 | 25°59 | 26°53 | 3°25 | 18°38 | S 29 |
| S 30 | 12 53 23 | 15°13'27 | 22°39 | 0°45 | 3°36 | 25° 0 | 2°19 | 5°42 | 25°29 | 12°43 | 9°34 | 26° 0 | 26°50 | 3°31 | 18°41 | S 30 |
| M31 | 12 57 20 | 16♈11'59 | 5♐30 | 0♈24 | 4♓45 | 24♍41 | 2♑22 | 5♏38 | 25♍26 | 12♎41 | 9♉35 | 26♈ 0 | 26♈47 | 3♍38 | 18♒44 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s17 | 12s 6 | 0s22 | 3n40 | 1n51 | 18s41 | 1n24 | 1n 0 | 3n27 | 23s16 | 0n17 | 11s33 | 2n35 | 2n 2 | 0n47 | 3s41 | 1n48 | 0n42 | 14s37 | 10n16 | 10n57 | 15n30 | 10s12 | 5n53 |
| S 2 | 4 54 | 17 13 | 1 29 | 4 19 | 2 3 | 18 31 | 1 18 | 1 7 | 3 27 | 23 16 | 0 17 | 11 32 | 2 35 | 2 3 | 0 47 | 3 41 | 1 48 | 0 43 | 14 37 | 10 16 | 10 56 | 15 28 | 10 11 | 5 53 |
| M 3 | 4 30 | 21 42 | 2 32 | 4 55 | 2 15 | 18 21 | 1 13 | 1 14 | 3 26 | 23 16 | 0 17 | 11 31 | 2 35 | 2 4 | 0 47 | 3 40 | 1 48 | 0 43 | 14 36 | 10 17 | 10 54 | 15 25 | 10 9 | 5 53 |
| T 4 | 4 7 | 25 16 | 3 29 | 5 28 | 2 27 | 18 11 | 1 8 | 1 21 | 3 26 | 23 16 | 0 17 | 11 30 | 2 35 | 2 5 | 0 47 | 3 40 | 1 48 | 0 44 | 14 36 | 10 17 | 10 53 | 15 22 | 10 8 | 5 53 |
| W 5 | 3 44 | 27 34 | 4 16 | 5 58 | 2 37 | 18 0 | 1 3 | 1 29 | 3 25 | 23 16 | 0 17 | 11 29 | 2 36 | 2 6 | 0 47 | 3 39 | 1 48 | 0 44 | 14 36 | 10 18 | 10 52 | 15 19 | 10 7 | 5 53 |
| T 6 | 3 20 | 28 17 | 4 51 | 6 23 | 2 47 | 17 48 | 0 58 | 1 36 | 3 25 | 23 16 | 0 17 | 11 28 | 2 36 | 2 7 | 0 47 | 3 38 | 1 48 | 0 45 | 14 36 | 10 17 | 10 51 | 15 16 | 10 5 | 5 53 |
| F 7 | 2 56 | 27 13 | 5 10 | 6 45 | 2 56 | 17 36 | 0 53 | 1 44 | 3 24 | 23 16 | 0 17 | 11 27 | 2 36 | 2 8 | 0 47 | 3 38 | 1 48 | 0 45 | 14 35 | 10 16 | 10 50 | 15 13 | 10 4 | 5 54 |
| S 8 | 2 33 | 24 20 | 5 9 | 7 4 | 3 4 | 17 24 | 0 48 | 1 52 | 3 23 | 23 17 | 0 17 | 11 26 | 2 36 | 2 9 | 0 47 | 3 37 | 1 48 | 0 46 | 14 35 | 10 15 | 10 49 | 15 10 | 10 3 | 5 54 |
| S 9 | 2 9 | 19 47 | 4 48 | 7 18 | 3 11 | 17 11 | 0 43 | 1 59 | 3 22 | 23 17 | 0 17 | 11 25 | 2 36 | 2 10 | 0 47 | 3 36 | 1 48 | 0 46 | 14 35 | 10 14 | 10 48 | 15 8 | 10 2 | 5 54 |
| M10 | 1 46 | 13 56 | 4 7 | 7 27 | 3 17 | 16 58 | 0 39 | 2 7 | 3 21 | 23 17 | 0 17 | 11 24 | 2 37 | 2 11 | 0 47 | 3 36 | 1 48 | 0 47 | 14 35 | 10 12 | 10 47 | 15 5 | 10 0 | 5 54 |
| T 11 | 1 22 | 7 12 | 3 9 | 7 33 | 3 21 | 16 44 | 0 34 | 2 15 | 3 20 | 23 17 | 0 16 | 11 23 | 2 37 | 2 12 | 0 47 | 3 35 | 1 48 | 0 47 | 14 34 | 10 10 | 10 45 | 15 2 | 9 59 | 5 54 |
| W12 | 0 58 | 0 6 | 1 57 | 7 35 | 3 24 | 16 29 | 0 29 | 2 23 | 3 19 | 23 17 | 0 16 | 11 22 | 2 37 | 2 13 | 0 47 | 3 35 | 1 48 | 0 48 | 14 34 | 10 9 | 10 44 | 14 59 | 9 58 | 5 55 |
| T 13 | 0 35 | 6n54 | 0 39 | 7 32 | 3 25 | 16 14 | 0 24 | 2 31 | 3 18 | 23 17 | 0 16 | 11 21 | 2 37 | 2 14 | 0 47 | 3 34 | 1 48 | 0 48 | 14 34 | 10 9 | 10 43 | 14 56 | 9 57 | 5 55 |
| F 14 | 0 11 | 13 23 | 0n40 | 7 25 | 3 25 | 15 59 | 0 20 | 2 39 | 3 16 | 23 17 | 0 16 | 11 20 | 2 37 | 2 15 | 0 47 | 3 33 | 1 48 | 0 49 | 14 34 | 10 9 | 10 42 | 14 53 | 9 55 | 5 55 |
| S 15 | 0n13 | 19 0 | 1 55 | 7 15 | 3 23 | 15 43 | 0 15 | 2 47 | 3 15 | 23 17 | 0 16 | 11 19 | 2 37 | 2 16 | 0 47 | 3 33 | 1 48 | 0 50 | 14 33 | 10 9 | 10 41 | 14 50 | 9 54 | 5 55 |
| S 16 | 0 36 | 23 27 | 3 1 | 7 0 | 3 19 | 15 27 | 0 11 | 2 55 | 3 14 | 23 17 | 0 16 | 11 17 | 2 37 | 2 17 | 0 47 | 3 32 | 1 48 | 0 50 | 14 33 | 10 10 | 10 40 | 14 47 | 9 53 | 5 55 |
| M17 | 1 0 | 26 31 | 3 55 | 6 42 | 3 14 | 15 10 | 0 6 | 3 3 | 3 12 | 23 17 | 0 16 | 11 16 | 2 38 | 2 18 | 0 47 | 3 31 | 1 48 | 0 51 | 14 33 | 10 10 | 10 39 | 14 44 | 9 52 | 5 56 |
| T 18 | 1 23 | 28 7 | 4 35 | 6 21 | 3 7 | 14 53 | 0 2 | 3 10 | 3 10 | 23 17 | 0 16 | 11 15 | 2 38 | 2 19 | 0 47 | 3 31 | 1 48 | 0 51 | 14 33 | 10 11 | 10 37 | 14 42 | 9 50 | 5 56 |
| W19 | 1 47 | 28 13 | 5 2 | 5 57 | 2 59 | 14 35 | 0s 2 | 3 18 | 3 9 | 23 17 | 0 16 | 11 14 | 2 38 | 2 20 | 0 47 | 3 30 | 1 48 | 0 52 | 14 33 | 10 11 | 10 36 | 14 39 | 9 49 | 5 56 |
| T 20 | 2 10 | 26 57 | 5 14 | 5 31 | 2 49 | 14 17 | 0 6 | 3 25 | 3 7 | 23 17 | 0 16 | 11 13 | 2 38 | 2 21 | 0 47 | 3 29 | 1 48 | 0 52 | 14 32 | 10 10 | 10 35 | 14 36 | 9 48 | 5 56 |
| F 21 | 2 34 | 24 27 | 5 12 | 5 2 | 2 37 | 13 59 | 0 10 | 3 33 | 3 5 | 23 17 | 0 16 | 11 11 | 2 38 | 2 22 | 0 47 | 3 29 | 1 48 | 0 53 | 14 32 | 10 10 | 10 34 | 14 33 | 9 47 | 5 57 |
| S 22 | 2 57 | 20 56 | 4 57 | 4 32 | 2 25 | 13 40 | 0 15 | 3 40 | 3 3 | 23 17 | 0 16 | 11 10 | 2 38 | 2 23 | 0 47 | 3 28 | 1 48 | 0 53 | 14 32 | 10 9 | 10 33 | 14 30 | 9 46 | 5 57 |
| S 23 | 3 20 | 16 35 | 4 29 | 4 1 | 2 11 | 13 21 | 0 19 | 3 47 | 3 1 | 23 17 | 0 16 | 11 9 | 2 38 | 2 24 | 0 47 | 3 28 | 1 48 | 0 54 | 14 32 | 10 8 | 10 32 | 14 27 | 9 44 | 5 57 |
| M24 | 3 44 | 11 38 | 3 50 | 3 30 | 1 56 | 13 1 | 0 22 | 3 54 | 2 59 | 23 17 | 0 16 | 11 7 | 2 38 | 2 25 | 0 47 | 3 27 | 1 48 | 0 54 | 14 32 | 10 7 | 10 30 | 14 24 | 9 43 | 5 57 |
| T 25 | 4 7 | 6 14 | 3 0 | 2 58 | 1 41 | 12 41 | 0 26 | 4 1 | 2 56 | 23 17 | 0 16 | 11 6 | 2 39 | 2 26 | 0 47 | 3 26 | 1 48 | 0 55 | 14 32 | 10 6 | 10 29 | 14 21 | 9 42 | 5 58 |
| W26 | 4 30 | 0 34 | 2 2 | 2 27 | 1 25 | 12 21 | 0 30 | 4 7 | 2 54 | 23 17 | 0 15 | 11 5 | 2 39 | 2 27 | 0 47 | 3 26 | 1 48 | 0 55 | 14 31 | 10 5 | 10 28 | 14 18 | 9 41 | 5 58 |
| T 27 | 4 53 | 5s11 | 0 58 | 1 57 | 1 9 | 12 0 | 0 34 | 4 13 | 2 52 | 23 17 | 0 15 | 11 3 | 2 39 | 2 28 | 0 47 | 3 25 | 1 48 | 0 56 | 14 31 | 10 5 | 10 27 | 14 15 | 9 40 | 5 58 |
| F 28 | 5 16 | 10 49 | 0s 9 | 1 28 | 0 52 | 11 39 | 0 37 | 4 19 | 2 50 | 23 17 | 0 15 | 11 2 | 2 39 | 2 29 | 0 47 | 3 24 | 1 48 | 0 56 | 14 31 | 10 5 | 10 26 | 14 12 | 9 39 | 5 58 |
| S 29 | 5 39 | 16 7 | 1 17 | 1 1 | 0 36 | 11 17 | 0 41 | 4 25 | 2 47 | 23 17 | 0 15 | 11 1 | 2 39 | 2 30 | 0 47 | 3 24 | 1 48 | 0 57 | 14 31 | 10 5 | 10 25 | 14 9 | 9 37 | 5 59 |
| S 30 | 6 1 | 20 49 | 2 22 | 0 36 | 0 19 | 10 55 | 0 44 | 4 31 | 2 45 | 23 17 | 0 15 | 10 59 | 2 39 | 2 31 | 0 47 | 3 23 | 1 48 | 0 57 | 14 31 | 10 5 | 10 24 | 14 6 | 9 36 | 5 59 |
| M31 | 6n24 | 24s38 | 3s22 | 0n12 | 0n 3 | 10s33 | 0s48 | 4n36 | 2n42 | 23s17 | 0n15 | 10s58 | 2n39 | 2n32 | 0n47 | 3s22 | 1n48 | 0n58 | 14s31 | 10n 6 | 10n22 | 14n 3 | 9s35 | 5n59 |

Julian Day Number = 2133849.5, Delta T = 16m12s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'48, Lahiri = 11°43'48 Julian Calendar 1 March 1130 == Greg. Calendar 8 March 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## APRIL 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 1 16 | 17♈10'30 | 18♐36 | 0°R 8 | 5♓55 | 24°R22 | 2♑24 | 5°R34 | 25°R24 | 12°R39 | 9♉36 | 26♈ 1 | 26♈44 | 3♍45 | 18♒47 | T 1 |
| W 2 | 13 5 13 | 18° 8'59 | 1♑58 | 29♓57 | 7° 4 | 24♍ 4 | 2°27 | 5♏30 | 25♍22 | 12♎38 | 9°38 | 26° 2 | 26°41 | 3°52 | 18°49 | W 2 |
| T 3 | 13 9 9 | 19° 7'26 | 15°38 | 29°50 | 8°13 | 23°47 | 2°29 | 5°25 | 25°19 | 12°36 | 9°39 | 26°R 2 | 26°37 | 3°58 | 18°52 | T 3 |
| F 4 | 13 13 6 | 20° 5'51 | 29°37 | 29°D49 | 9°23 | 23°30 | 2°31 | 5°21 | 25°17 | 12°34 | 9°40 | 26° 2 | 26°34 | 4° 5 | 18°55 | F 4 |
| S 5 | 13 17 2 | 21° 4'15 | 13♒52 | 29°53 | 10°32 | 23°14 | 2°32 | 5°17 | 25°15 | 12°33 | 9°41 | 26° 2 | 26°31 | 4°12 | 18°57 | S 5 |
| S 6 | 13 20 59 | 22° 2'38 | 28°23 | 0♈ 2 | 11°42 | 22°59 | 2°34 | 5°13 | 25°13 | 12°31 | 9°43 | 26° 1 | 26°28 | 4°18 | 19° 0 | S 6 |
| M 7 | 13 24 55 | 23° 0'58 | 13♓ 4 | 0°16 | 12°52 | 22°44 | 2°35 | 5° 8 | 25°10 | 12°30 | 9°44 | 26° 1 | 26°25 | 4°25 | 19° 2 | M 7 |
| T 8 | 13 28 52 | 23°59'17 | 27°51 | 0°34 | 14° 1 | 22°30 | 2°36 | 5° 4 | 25° 8 | 12°28 | 9°45 | 26° 1 | 26°21 | 4°32 | 19° 4 | T 8 |
| W 9 | 13 32 49 | 24°57'35 | 12♈36 | 0°57 | 15°11 | 22°17 | 2°37 | 5° 0 | 25° 6 | 12°26 | 9°47 | 26° 1 | 26°18 | 4°38 | 19° 7 | W 9 |
| T 10 | 13 36 45 | 25°55'50 | 27°12 | 1°24 | 16°21 | 22° 5 | 2°38 | 4°55 | 25° 4 | 12°25 | 9°48 | 26° 1 | 26°15 | 4°45 | 19° 9 | T 10 |
| F 11 | 13 40 42 | 26°54'04 | 11♉33 | 1°56 | 17°31 | 21°53 | 2°39 | 4°51 | 25° 2 | 12°23 | 9°49 | 26° 1 | 26°12 | 4°52 | 19°11 | F 11 |
| S 12 | 13 44 38 | 27°52'16 | 25°35 | 2°31 | 18°41 | 21°42 | 2°39 | 4°46 | 25° 0 | 12°22 | 9°51 | 26° 1 | 26° 9 | 4°58 | 19°13 | S 12 |
| S 13 | 13 48 35 | 28°50'26 | 9♊13 | 3°11 | 19°51 | 21°32 | 2°39 | 4°42 | 24°58 | 12°20 | 9°52 | 26° 0 | 26° 6 | 5° 5 | 19°16 | S 13 |
| M14 | 13 52 31 | 29°48'35 | 22°27 | 3°54 | 21° 1 | 21°23 | 2°R39 | 4°37 | 24°56 | 12°18 | 9°53 | 26° 0 | 26° 2 | 5°12 | 19°18 | M14 |
| T 15 | 13 56 28 | 0♉46'41 | 5♋18 | 4°40 | 22°11 | 21°14 | 2°39 | 4°33 | 24°54 | 12°17 | 9°55 | 25°59 | 25°59 | 5°19 | 19°20 | T 15 |
| W16 | 14 0 24 | 1°44'45 | 17°49 | 5°31 | 23°22 | 21° 7 | 2°39 | 4°28 | 24°52 | 12°15 | 9°56 | 25°59 | 25°56 | 5°25 | 19°22 | W16 |
| T 17 | 14 4 21 | 2°42'48 | 0♌ 4 | 6°24 | 24°32 | 21° 0 | 2°38 | 4°24 | 24°50 | 12°14 | 9°57 | 25°D59 | 25°53 | 5°32 | 19°24 | T 17 |
| F 18 | 14 8 18 | 3°40'48 | 12° 6 | 7°20 | 25°42 | 20°54 | 2°37 | 4°19 | 24°48 | 12°12 | 9°59 | 25°59 | 25°50 | 5°39 | 19°25 | F 18 |
| S 19 | 14 12 14 | 4°38'47 | 24° 0 | 8°20 | 26°53 | 20°49 | 2°37 | 4°15 | 24°46 | 12°11 | 10° 0 | 25°59 | 25°47 | 5°45 | 19°27 | S 19 |
| S 20 | 14 16 11 | 5°36'43 | 5♍50 | 9°23 | 28° 3 | 20°44 | 2°35 | 4°10 | 24°45 | 12° 9 | 10° 1 | 26° 0 | 25°43 | 5°52 | 19°29 | S 20 |
| M21 | 14 20 7 | 6°34'38 | 17°42 | 10°28 | 29°14 | 20°40 | 2°34 | 4° 6 | 24°43 | 12° 8 | 10° 3 | 26° 1 | 25°40 | 5°59 | 19°31 | M21 |
| T 22 | 14 24 4 | 7°32'31 | 29°39 | 11°36 | 0♈24 | 20°38 | 2°33 | 4° 1 | 24°41 | 12° 6 | 10° 4 | 26° 2 | 25°37 | 6° 5 | 19°32 | T 22 |
| W23 | 14 28 0 | 8°30'22 | 11♎45 | 12°47 | 1°35 | 20°36 | 2°31 | 3°57 | 24°40 | 12° 5 | 10° 5 | 26° 3 | 25°34 | 6°12 | 19°34 | W23 |
| T 24 | 14 31 57 | 9°28'12 | 24° 1 | 14° 0 | 2°45 | 20°34 | 2°29 | 3°53 | 24°38 | 12° 4 | 10° 7 | 26°R 3 | 25°31 | 6°19 | 19°35 | T 24 |
| F 25 | 14 35 53 | 10°26'00 | 6♏30 | 15°16 | 3°56 | 20°D34 | 2°27 | 3°48 | 24°36 | 12° 2 | 10° 8 | 26° 3 | 25°27 | 6°25 | 19°37 | F 25 |
| S 26 | 14 39 50 | 11°23'46 | 19°14 | 16°35 | 5° 7 | 20°34 | 2°25 | 3°44 | 24°35 | 12° 1 | 10°10 | 26° 2 | 25°24 | 6°32 | 19°38 | S 26 |
| S 27 | 14 43 46 | 12°21'31 | 2♐13 | 17°56 | 6°17 | 20°35 | 2°22 | 3°39 | 24°33 | 11°59 | 10°11 | 26° 1 | 25°21 | 6°39 | 19°39 | S 27 |
| M28 | 14 47 43 | 13°19'15 | 15°25 | 19°19 | 7°28 | 20°37 | 2°20 | 3°35 | 24°32 | 11°58 | 10°12 | 25°58 | 25°18 | 6°46 | 19°41 | M28 |
| T 29 | 14 51 40 | 14°16'58 | 28°52 | 20°45 | 8°39 | 20°39 | 2°17 | 3°30 | 24°31 | 11°57 | 10°14 | 25°56 | 25°15 | 6°52 | 19°42 | T 29 |
| W30 | 14 55 36 | 15♉14'39 | 12♑32 | 22♈13 | 9♈50 | 20♍43 | 2♑14 | 3♏26 | 24♍29 | 11♎55 | 10♉15 | 25♈54 | 25♈12 | 6♍59 | 19♒43 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n47 | 27s15 | 4s12 | 0s 8 | 0s13 | 10s11 | 0s51 | 4n41 | 2n40 | 23s17 | 0n15 | 10s56 | 2n39 | 2n33 | 0n47 | 3s22 | 1n48 | 0n58 | 14s30 | 10n 6 | 10n21 | 14n 0 | 9s34 | 6n 0 |
| W 2 | 7 9 | 28 22 | 4 50 | 0 27 | 0 28 | 9 48 | 0 54 | 4 46 | 2 37 | 23 17 | 0 15 | 10 55 | 2 39 | 2 34 | 0 47 | 3 21 | 1 48 | 0 59 | 14 30 | 10 6 | 10 20 | 13 57 | 9 33 | 6 0 |
| T 3 | 7 31 | 27 48 | 5 12 | 0 43 | 0 43 | 9 25 | 0 57 | 4 51 | 2 34 | 23 17 | 0 15 | 10 53 | 2 39 | 2 35 | 0 47 | 3 20 | 1 48 | 0 59 | 14 30 | 10 6 | 10 19 | 13 54 | 9 32 | 6 0 |
| F 4 | 7 54 | 25 29 | 5 16 | 0 56 | 0 57 | 9 1 | 1 0 | 4 55 | 2 32 | 23 17 | 0 15 | 10 52 | 2 39 | 2 36 | 0 47 | 3 20 | 1 48 | 1 0 | 14 30 | 10 6 | 10 18 | 13 52 | 9 31 | 6 0 |
| S 5 | 8 16 | 21 33 | 5 2 | 1 7 | 1 10 | 8 38 | 1 3 | 4 59 | 2 29 | 23 17 | 0 15 | 10 50 | 2 39 | 2 37 | 0 47 | 3 19 | 1 48 | 1 0 | 14 30 | 10 6 | 10 17 | 13 49 | 9 30 | 6 1 |
| S 6 | 8 38 | 16 17 | 4 28 | 1 15 | 1 23 | 8 14 | 1 6 | 5 2 | 2 26 | 23 17 | 0 15 | 10 49 | 2 39 | 2 37 | 0 47 | 3 19 | 1 48 | 1 1 | 14 30 | 10 6 | 10 15 | 13 46 | 9 29 | 6 1 |
| M 7 | 8 59 | 10 1 | 3 36 | 1 21 | 1 35 | 7 50 | 1 9 | 5 6 | 2 24 | 23 17 | 0 15 | 10 47 | 2 40 | 2 38 | 0 46 | 3 18 | 1 48 | 1 1 | 14 30 | 10 6 | 10 14 | 13 43 | 9 28 | 6 1 |
| T 8 | 9 21 | 3 9 | 2 30 | 1 24 | 1 46 | 7 25 | 1 12 | 5 9 | 2 21 | 23 17 | 0 14 | 10 46 | 2 40 | 2 39 | 0 46 | 3 17 | 1 48 | 1 2 | 14 30 | 10 6 | 10 13 | 13 40 | 9 27 | 6 2 |
| W 9 | 9 42 | 3n52 | 1 14 | 1 24 | 1 57 | 7 0 | 1 14 | 5 11 | 2 18 | 23 17 | 0 14 | 10 45 | 2 40 | 2 40 | 0 46 | 3 17 | 1 48 | 1 2 | 14 29 | 10 6 | 10 12 | 13 37 | 9 26 | 6 2 |
| T 10 | 10 4 | 10 38 | 0n 7 | 1 22 | 2 6 | 6 35 | 1 17 | 5 14 | 2 16 | 23 17 | 0 14 | 10 43 | 2 40 | 2 41 | 0 46 | 3 16 | 1 48 | 1 3 | 14 29 | 10 6 | 10 11 | 13 34 | 9 25 | 6 2 |
| F 11 | 10 25 | 16 43 | 1 25 | 1 18 | 2 15 | 6 10 | 1 19 | 5 16 | 2 13 | 23 17 | 0 14 | 10 42 | 2 40 | 2 42 | 0 46 | 3 15 | 1 48 | 1 3 | 14 29 | 10 6 | 10 10 | 13 31 | 9 24 | 6 3 |
| S 12 | 10 46 | 21 47 | 2 37 | 1 11 | 2 23 | 5 45 | 1 22 | 5 18 | 2 10 | 23 18 | 0 14 | 10 40 | 2 40 | 2 42 | 0 46 | 3 15 | 1 48 | 1 4 | 14 29 | 10 6 | 10 9 | 13 28 | 9 23 | 6 3 |
| S 13 | 11 7 | 25 31 | 3 37 | 1 2 | 2 31 | 5 19 | 1 24 | 5 19 | 2 7 | 23 18 | 0 14 | 10 39 | 2 40 | 2 43 | 0 46 | 3 14 | 1 48 | 1 4 | 14 29 | 10 5 | 10 7 | 13 25 | 9 22 | 6 3 |
| M14 | 11 28 | 27 44 | 4 24 | 0 51 | 2 37 | 4 54 | 1 26 | 5 20 | 2 4 | 23 18 | 0 14 | 10 37 | 2 40 | 2 44 | 0 46 | 3 14 | 1 48 | 1 5 | 14 29 | 10 5 | 10 6 | 13 22 | 9 21 | 6 4 |
| T 15 | 11 48 | 28 23 | 4 57 | 0 38 | 2 43 | 4 28 | 1 28 | 5 21 | 2 2 | 23 18 | 0 14 | 10 36 | 2 40 | 2 45 | 0 46 | 3 13 | 1 48 | 1 5 | 14 29 | 10 5 | 10 5 | 13 19 | 9 20 | 6 4 |
| W16 | 12 8 | 27 33 | 5 14 | 0 22 | 2 48 | 4 2 | 1 30 | 5 22 | 1 59 | 23 18 | 0 14 | 10 34 | 2 40 | 2 45 | 0 46 | 3 12 | 1 48 | 1 6 | 14 29 | 10 5 | 10 4 | 13 16 | 9 19 | 6 4 |
| T 17 | 12 28 | 25 23 | 5 16 | 0 5 | 2 52 | 3 35 | 1 32 | 5 22 | 1 56 | 23 18 | 0 14 | 10 33 | 2 40 | 2 46 | 0 46 | 3 12 | 1 48 | 1 6 | 14 29 | 10 5 | 10 3 | 13 13 | 9 18 | 6 5 |
| F 18 | 12 48 | 22 7 | 5 5 | 0n14 | 2 56 | 3 9 | 1 34 | 5 22 | 1 53 | 23 18 | 0 14 | 10 31 | 2 40 | 2 47 | 0 46 | 3 11 | 1 48 | 1 7 | 14 29 | 10 5 | 10 2 | 13 10 | 9 17 | 6 5 |
| S 19 | 13 8 | 17 59 | 4 40 | 0 35 | 2 59 | 2 43 | 1 36 | 5 21 | 1 51 | 23 18 | 0 14 | 10 30 | 2 40 | 2 47 | 0 46 | 3 11 | 1 48 | 1 7 | 14 29 | 10 5 | 10 0 | 13 7 | 9 16 | 6 5 |
| S 20 | 13 27 | 13 11 | 4 4 | 0 58 | 3 1 | 2 16 | 1 37 | 5 21 | 1 48 | 23 18 | 0 13 | 10 28 | 2 40 | 2 48 | 0 46 | 3 10 | 1 48 | 1 8 | 14 29 | 10 5 | 9 59 | 13 4 | 9 15 | 6 6 |
| M21 | 13 47 | 7 54 | 3 17 | 1 22 | 3 2 | 1 49 | 1 39 | 5 19 | 1 45 | 23 18 | 0 13 | 10 27 | 2 40 | 2 49 | 0 46 | 3 10 | 1 48 | 1 8 | 14 29 | 10 6 | 9 58 | 13 0 | 9 15 | 6 6 |
| T 22 | 14 6 | 2 18 | 2 21 | 1 48 | 3 3 | 1 22 | 1 40 | 5 18 | 1 43 | 23 19 | 0 13 | 10 25 | 2 39 | 2 49 | 0 46 | 3 9 | 1 48 | 1 9 | 14 29 | 10 6 | 9 57 | 12 57 | 9 14 | 6 6 |
| W23 | 14 24 | 3s28 | 1 18 | 2 15 | 3 3 | 0 55 | 1 42 | 5 16 | 1 40 | 23 19 | 0 13 | 10 24 | 2 39 | 2 50 | 0 46 | 3 9 | 1 48 | 1 9 | 14 28 | 10 6 | 9 56 | 12 54 | 9 13 | 6 7 |
| T 24 | 14 43 | 9 11 | 0 11 | 2 44 | 3 3 | 0 28 | 1 43 | 5 15 | 1 37 | 23 19 | 0 13 | 10 22 | 2 39 | 2 51 | 0 46 | 3 8 | 1 48 | 1 9 | 14 28 | 10 7 | 9 55 | 12 51 | 9 12 | 6 7 |
| F 25 | 15 1 | 14 39 | 0s57 | 3 15 | 3 2 | 0 1 | 1 44 | 5 12 | 1 35 | 23 19 | 0 13 | 10 21 | 2 39 | 2 51 | 0 46 | 3 8 | 1 48 | 1 10 | 14 28 | 10 7 | 9 53 | 12 48 | 9 11 | 6 7 |
| S 26 | 15 19 | 19 37 | 2 5 | 3 47 | 3 0 | 0n26 | 1 45 | 5 10 | 1 32 | 23 19 | 0 13 | 10 19 | 2 39 | 2 52 | 0 46 | 3 7 | 1 48 | 1 10 | 14 28 | 10 6 | 9 52 | 12 45 | 9 11 | 6 8 |
| S 27 | 15 37 | 23 45 | 3 7 | 4 20 | 2 58 | 0 53 | 1 46 | 5 7 | 1 29 | 23 19 | 0 13 | 10 18 | 2 39 | 2 52 | 0 46 | 3 6 | 1 48 | 1 11 | 14 28 | 10 6 | 9 51 | 12 42 | 9 10 | 6 8 |
| M28 | 15 55 | 26 43 | 4 0 | 4 54 | 2 55 | 1 20 | 1 47 | 5 4 | 1 27 | 23 19 | 0 13 | 10 16 | 2 39 | 2 53 | 0 46 | 3 6 | 1 48 | 1 11 | 14 28 | 10 5 | 9 50 | 12 39 | 9 9 | 6 8 |
| T 29 | 16 12 | 28 14 | 4 41 | 5 30 | 2 51 | 1 48 | 1 48 | 5 1 | 1 24 | 23 20 | 0 13 | 10 15 | 2 39 | 2 53 | 0 46 | 3 5 | 1 48 | 1 11 | 14 28 | 10 4 | 9 49 | 12 36 | 9 8 | 6 9 |
| W30 | 16n29 | 28s 3 | 5s 6 | 6n 7 | 2s47 | 2n15 | 1s49 | 4n57 | 1n22 | 23s20 | 0n12 | 10s14 | 2n39 | 2n54 | 0n46 | 3s 5 | 1n48 | 1n12 | 14s28 | 10n 3 | 9n48 | 12n33 | 9s 8 | 6n 9 |

Julian Day Number = 2133880.5, Delta T = 16m11s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'52, Lahiri = 11°43'53 Julian Calendar 1 Apr. 1130 == Greg. Calendar 8 Apr. 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## MAY 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 59 33 | 16♉12'20 | 26♋23 | 23♈43 | 11♈ 1 | 20♍47 | 2°R11 | 3°R22 | 24°R28 | 11°R54 | 10♉16 | 25°R52 | 25♈ 8 | 7♍ 6 | 19♒44 | T 1 |
| F 2 | 15 3 29 | 17° 9'59 | 10♒24 | 25°16 | 12°12 | 20°51 | 2♋ 8 | 3♏17 | 24♍27 | 11♎53 | 10°18 | 25♈51 | 25° 5 | 7°12 | 19°45 | F 2 |
| S 3 | 15 7 26 | 18° 7'37 | 24°33 | 26°51 | 13°23 | 20°57 | 2° 4 | 3°13 | 24°26 | 11°52 | 10°19 | 25°D51 | 25° 2 | 7°19 | 19°46 | S 3 |
| S 4 | 15 11 22 | 19° 5'14 | 8♓48 | 28°28 | 14°34 | 21° 3 | 2° 1 | 3° 9 | 24°24 | 11°50 | 10°20 | 25°52 | 24°59 | 7°26 | 19°47 | S 4 |
| M 5 | 15 15 19 | 20° 2'50 | 23° 8 | 0♉ 7 | 15°45 | 21° 9 | 1°57 | 3° 5 | 24°23 | 11°49 | 10°22 | 25°53 | 24°56 | 7°32 | 19°48 | M 5 |
| T 6 | 15 19 16 | 21° 0'26 | 7♈29 | 1°49 | 16°56 | 21°17 | 1°53 | 3° 0 | 24°22 | 11°48 | 10°23 | 25°54 | 24°53 | 7°39 | 19°49 | T 6 |
| W 7 | 15 23 12 | 21°58'00 | 21°47 | 3°33 | 18° 7 | 21°25 | 1°49 | 2°56 | 24°21 | 11°47 | 10°24 | 25°R55 | 24°49 | 7°46 | 19°49 | W 7 |
| T 8 | 15 27 9 | 22°55'33 | 5♉59 | 5°19 | 19°19 | 21°34 | 1°44 | 2°52 | 24°20 | 11°46 | 10°26 | 25°55 | 24°46 | 7°52 | 19°50 | T 8 |
| F 9 | 15 31 5 | 23°53'05 | 20° 0 | 7° 8 | 20°30 | 21°43 | 1°40 | 2°48 | 24°19 | 11°45 | 10°27 | 25°53 | 24°43 | 7°59 | 19°51 | F 9 |
| S 10 | 15 35 2 | 24°50'37 | 3♊47 | 8°59 | 21°41 | 21°53 | 1°35 | 2°44 | 24°18 | 11°43 | 10°28 | 25°50 | 24°40 | 8° 6 | 19°51 | S 10 |
| S 11 | 15 38 58 | 25°48'07 | 17°16 | 10°52 | 22°52 | 22° 4 | 1°30 | 2°40 | 24°18 | 11°42 | 10°30 | 25°46 | 24°37 | 8°13 | 19°52 | S 11 |
| M12 | 15 42 55 | 26°45'36 | 0♋25 | 12°47 | 24° 4 | 22°15 | 1°26 | 2°36 | 24°17 | 11°41 | 10°31 | 25°41 | 24°33 | 8°19 | 19°52 | M12 |
| T 13 | 15 46 51 | 27°43'03 | 13°15 | 14°44 | 25°15 | 22°27 | 1°20 | 2°32 | 24°16 | 11°40 | 10°32 | 25°36 | 24°30 | 8°26 | 19°52 | T 13 |
| W14 | 15 50 48 | 28°40'30 | 25°47 | 16°43 | 26°27 | 22°40 | 1°15 | 2°29 | 24°15 | 11°39 | 10°34 | 25°32 | 24°27 | 8°33 | 19°53 | W14 |
| T 15 | 15 54 45 | 29°37'55 | 8♌ 2 | 18°45 | 27°38 | 22°53 | 1°10 | 2°25 | 24°15 | 11°38 | 10°35 | 25°28 | 24°24 | 8°39 | 19°53 | T 15 |
| F 16 | 15 58 41 | 0♊35'19 | 20° 5 | 20°48 | 28°49 | 23° 7 | 1° 4 | 2°21 | 24°14 | 11°37 | 10°36 | 25°26 | 24°21 | 8°46 | 19°53 | F 16 |
| S 17 | 16 2 38 | 1°32'42 | 1♍59 | 22°53 | 0♉ 1 | 23°21 | 0°59 | 2°17 | 24°14 | 11°36 | 10°37 | 25°D26 | 24°18 | 8°53 | 19°53 | S 17 |
| S 18 | 16 6 34 | 2°30'04 | 13°50 | 24°59 | 1°13 | 23°36 | 0°53 | 2°14 | 24°13 | 11°35 | 10°39 | 25°26 | 24°14 | 8°59 | 19°R53 | S 18 |
| M19 | 16 10 31 | 3°27'24 | 25°43 | 27° 7 | 2°24 | 23°51 | 0°47 | 2°10 | 24°13 | 11°35 | 10°40 | 25°28 | 24°11 | 9° 6 | 19°53 | M19 |
| T 20 | 16 14 27 | 4°24'44 | 7♎41 | 29°17 | 3°36 | 24° 7 | 0°41 | 2° 7 | 24°13 | 11°34 | 10°41 | 25°29 | 24° 8 | 9°13 | 19°53 | T 20 |
| W21 | 16 18 24 | 5°22'02 | 19°51 | 1♊27 | 4°47 | 24°23 | 0°35 | 2° 4 | 24°12 | 11°33 | 10°42 | 25°R30 | 24° 5 | 9°19 | 19°53 | W21 |
| T 22 | 16 22 20 | 6°19'19 | 2♏16 | 3°38 | 5°59 | 24°40 | 0°28 | 2° 0 | 24°12 | 11°32 | 10°44 | 25°30 | 24° 2 | 9°26 | 19°53 | T 22 |
| F 23 | 16 26 17 | 7°16'36 | 14°58 | 5°50 | 7°11 | 24°57 | 0°22 | 1°57 | 24°12 | 11°31 | 10°45 | 25°28 | 23°59 | 9°33 | 19°53 | F 23 |
| S 24 | 16 30 14 | 8°13'52 | 28° 0 | 8° 2 | 8°22 | 25°15 | 0°16 | 1°54 | 24°12 | 11°31 | 10°46 | 25°25 | 23°55 | 9°39 | 19°52 | S 24 |
| S 25 | 16 34 10 | 9°11'07 | 11♐20 | 10°14 | 9°34 | 25°34 | 0° 9 | 1°51 | 24°11 | 11°30 | 10°47 | 25°20 | 23°52 | 9°46 | 19°52 | S 25 |
| M26 | 16 38 7 | 10° 8'22 | 24°58 | 12°25 | 10°46 | 25°52 | 0° 2 | 1°48 | 24°D11 | 11°29 | 10°49 | 25°13 | 23°49 | 9°53 | 19°51 | M26 |
| T 27 | 16 42 3 | 11° 5'36 | 8♑52 | 14°36 | 11°58 | 26°12 | 29♐55 | 1°45 | 24°11 | 11°29 | 10°50 | 25° 6 | 23°46 | 9°59 | 19°51 | T 27 |
| W28 | 16 46 0 | 12° 2'50 | 22°56 | 16°46 | 13°10 | 26°31 | 29°49 | 1°42 | 24°12 | 11°28 | 10°51 | 24°59 | 23°43 | 10° 6 | 19°50 | W28 |
| T 29 | 16 49 56 | 13° 0'03 | 7♒ 7 | 18°56 | 14°21 | 26°52 | 29°42 | 1°39 | 24°12 | 11°27 | 10°52 | 24°53 | 23°39 | 10°13 | 19°50 | T 29 |
| F 30 | 16 53 53 | 13°57'16 | 21°21 | 21° 3 | 15°33 | 27°12 | 29°34 | 1°36 | 24°12 | 11°27 | 10°53 | 24°49 | 23°36 | 10°20 | 19°49 | F 30 |
| S 31 | 16 57 49 | 14♊54'28 | 5♓35 | 23♊10 | 16♉45 | 27♍33 | 29♐27 | 1♏34 | 24♍12 | 11♎26 | 10♉55 | 24♈47 | 23♈33 | 10♍26 | 19♒48 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n46 | 26s 8 | 5s15 | 6n44 | 2s42 | 2n42 | 1s49 | 4n53 | 1n19 | 23s20 | 0n12 | 10s12 | 2n39 | 2n54 | 0n46 | 3s 5 | 1n48 | 1n12 | 14s28 | 10n 2 | 9n46 | 12n30 | 9s 7 | 6n 9 |
| F 2 | 17 2 | 22 36 | 5 5 | 7 23 | 2 37 | 3 10 | 1 50 | 4 49 | 1 17 | 23 20 | 0 12 | 10 11 | 2 39 | 2 55 | 0 46 | 3 4 | 1 48 | 1 13 | 14 28 | 10 2 | 9 45 | 12 27 | 9 6 | 6 10 |
| S 3 | 17 19 | 17 44 | 4 36 | 8 3 | 2 31 | 3 37 | 1 50 | 4 45 | 1 14 | 23 20 | 0 12 | 10 10 | 2 39 | 2 55 | 0 46 | 3 4 | 1 48 | 1 13 | 14 28 | 10 2 | 9 44 | 12 24 | 9 6 | 6 10 |
| S 4 | 17 35 | 11 52 | 3 51 | 8 44 | 2 25 | 4 4 | 1 51 | 4 40 | 1 12 | 23 20 | 0 12 | 10 8 | 2 39 | 2 56 | 0 46 | 3 3 | 1 48 | 1 13 | 14 28 | 10 2 | 9 43 | 12 21 | 9 5 | 6 10 |
| M 5 | 17 50 | 5 21 | 2 51 | 9 25 | 2 18 | 4 31 | 1 51 | 4 35 | 1 9 | 23 20 | 0 12 | 10 7 | 2 38 | 2 56 | 0 46 | 3 3 | 1 48 | 1 14 | 14 28 | 10 3 | 9 42 | 12 18 | 9 5 | 6 11 |
| T 6 | 18 6 | 1n27 | 1 40 | 10 7 | 2 10 | 4 58 | 1 51 | 4 30 | 1 7 | 23 21 | 0 12 | 10 6 | 2 38 | 2 57 | 0 46 | 3 2 | 1 48 | 1 14 | 14 28 | 10 3 | 9 41 | 12 15 | 9 4 | 6 11 |
| W 7 | 18 21 | 8 11 | 0 23 | 10 50 | 2 3 | 5 26 | 1 51 | 4 25 | 1 5 | 23 21 | 0 12 | 10 4 | 2 38 | 2 57 | 0 46 | 3 2 | 1 48 | 1 15 | 14 28 | 10 4 | 9 39 | 12 12 | 9 3 | 6 12 |
| T 8 | 18 36 | 14 27 | 0n55 | 11 34 | 1 54 | 5 53 | 1 51 | 4 19 | 1 2 | 23 21 | 0 12 | 10 3 | 2 38 | 2 57 | 0 45 | 3 1 | 1 48 | 1 15 | 14 28 | 10 3 | 9 38 | 12 8 | 9 3 | 6 12 |
| F 9 | 18 50 | 19 53 | 2 8 | 12 18 | 1 46 | 6 20 | 1 51 | 4 13 | 1 0 | 23 21 | 0 11 | 10 2 | 2 38 | 2 58 | 0 45 | 3 1 | 1 48 | 1 15 | 14 29 | 10 3 | 9 37 | 12 5 | 9 2 | 6 12 |
| S 10 | 19 4 | 24 9 | 3 13 | 13 2 | 1 37 | 6 46 | 1 51 | 4 7 | 0 58 | 23 21 | 0 11 | 10 0 | 2 38 | 2 58 | 0 45 | 3 1 | 1 47 | 1 16 | 14 29 | 10 2 | 9 36 | 12 2 | 9 2 | 6 13 |
| S 11 | 19 18 | 27 0 | 4 5 | 13 47 | 1 27 | 7 13 | 1 51 | 4 1 | 0 56 | 23 21 | 0 11 | 9 59 | 2 38 | 2 58 | 0 45 | 3 0 | 1 47 | 1 16 | 14 29 | 10 0 | 9 35 | 11 59 | 9 1 | 6 13 |
| M12 | 19 32 | 28 16 | 4 42 | 14 31 | 1 17 | 7 40 | 1 51 | 3 54 | 0 53 | 23 22 | 0 11 | 9 58 | 2 38 | 2 59 | 0 45 | 3 0 | 1 47 | 1 16 | 14 29 | 9 58 | 9 34 | 11 56 | 9 1 | 6 13 |
| T 13 | 19 45 | 27 57 | 5 5 | 15 16 | 1 7 | 8 6 | 1 50 | 3 48 | 0 51 | 23 22 | 0 11 | 9 57 | 2 37 | 2 59 | 0 45 | 2 59 | 1 47 | 1 17 | 14 29 | 9 57 | 9 32 | 11 53 | 9 0 | 6 14 |
| W14 | 19 58 | 26 12 | 5 12 | 16 0 | 0 57 | 8 33 | 1 50 | 3 41 | 0 49 | 23 22 | 0 11 | 9 56 | 2 37 | 2 59 | 0 45 | 2 59 | 1 47 | 1 17 | 14 29 | 9 55 | 9 31 | 11 50 | 9 0 | 6 14 |
| T 15 | 20 10 | 23 14 | 5 4 | 16 44 | 0 46 | 8 59 | 1 49 | 3 33 | 0 47 | 23 22 | 0 11 | 9 55 | 2 37 | 2 59 | 0 45 | 2 59 | 1 47 | 1 17 | 14 29 | 9 54 | 9 30 | 11 47 | 9 0 | 6 15 |
| F 16 | 20 22 | 19 20 | 4 44 | 17 28 | 0 36 | 9 25 | 1 49 | 3 26 | 0 45 | 23 22 | 0 11 | 9 53 | 2 37 | 2 59 | 0 45 | 2 58 | 1 47 | 1 18 | 14 29 | 9 53 | 9 29 | 11 44 | 8 59 | 6 15 |
| S 17 | 20 34 | 14 43 | 4 11 | 18 11 | 0 25 | 9 51 | 1 48 | 3 18 | 0 43 | 23 22 | 0 11 | 9 52 | 2 37 | 3 0 | 0 45 | 2 58 | 1 47 | 1 18 | 14 29 | 9 53 | 9 28 | 11 41 | 8 59 | 6 15 |
| S 18 | 20 46 | 9 35 | 3 27 | 18 53 | 0 14 | 10 16 | 1 47 | 3 11 | 0 41 | 23 23 | 0 10 | 9 51 | 2 37 | 3 0 | 0 45 | 2 58 | 1 47 | 1 18 | 14 29 | 9 53 | 9 27 | 11 37 | 8 58 | 6 16 |
| M19 | 20 57 | 4 5 | 2 35 | 19 33 | 0 3 | 10 42 | 1 47 | 3 3 | 0 39 | 23 23 | 0 10 | 9 50 | 2 36 | 3 0 | 0 45 | 2 57 | 1 47 | 1 18 | 14 29 | 9 54 | 9 25 | 11 34 | 8 58 | 6 16 |
| T 20 | 21 8 | 1s36 | 1 35 | 20 13 | 0n 7 | 11 7 | 1 46 | 2 55 | 0 37 | 23 23 | 0 10 | 9 49 | 2 36 | 3 0 | 0 45 | 2 57 | 1 47 | 1 19 | 14 29 | 9 54 | 9 24 | 11 31 | 8 58 | 6 16 |
| W21 | 21 18 | 7 20 | 0 31 | 20 51 | 0 18 | 11 32 | 1 45 | 2 46 | 0 35 | 23 23 | 0 10 | 9 48 | 2 36 | 3 0 | 0 45 | 2 57 | 1 47 | 1 19 | 14 29 | 9 54 | 9 23 | 11 28 | 8 57 | 6 17 |
| T 22 | 21 28 | 12 53 | 0s37 | 21 27 | 0 28 | 11 57 | 1 44 | 2 38 | 0 33 | 23 23 | 0 10 | 9 47 | 2 36 | 3 0 | 0 45 | 2 57 | 1 47 | 1 19 | 14 29 | 9 54 | 9 22 | 11 25 | 8 57 | 6 17 |
| F 23 | 21 38 | 18 3 | 1 44 | 22 1 | 0 38 | 12 21 | 1 43 | 2 29 | 0 31 | 23 23 | 0 10 | 9 46 | 2 36 | 3 0 | 0 45 | 2 56 | 1 47 | 1 20 | 14 30 | 9 54 | 9 21 | 11 22 | 8 57 | 6 17 |
| S 24 | 21 47 | 22 31 | 2 47 | 22 32 | 0 48 | 12 46 | 1 42 | 2 20 | 0 29 | 23 24 | 0 10 | 9 45 | 2 36 | 3 0 | 0 45 | 2 56 | 1 47 | 1 20 | 14 30 | 9 53 | 9 20 | 11 19 | 8 57 | 6 18 |
| S 25 | 21 56 | 25 55 | 3 42 | 23 2 | 0 57 | 13 10 | 1 40 | 2 11 | 0 27 | 23 24 | 0 10 | 9 45 | 2 35 | 3 0 | 0 45 | 2 56 | 1 47 | 1 20 | 14 30 | 9 51 | 9 18 | 11 16 | 8 56 | 6 18 |
| M26 | 22 5 | 27 54 | 4 26 | 23 29 | 1 6 | 13 33 | 1 39 | 2 2 | 0 25 | 23 24 | 0 9 | 9 44 | 2 35 | 3 0 | 0 45 | 2 56 | 1 47 | 1 20 | 14 30 | 9 48 | 9 17 | 11 12 | 8 56 | 6 18 |
| T 27 | 22 13 | 28 10 | 4 55 | 23 53 | 1 14 | 13 57 | 1 38 | 1 53 | 0 23 | 23 24 | 0 9 | 9 43 | 2 35 | 3 0 | 0 45 | 2 55 | 1 47 | 1 21 | 14 30 | 9 45 | 9 16 | 11 9 | 8 56 | 6 19 |
| W28 | 22 21 | 26 39 | 5 7 | 24 15 | 1 21 | 14 20 | 1 36 | 1 43 | 0 22 | 23 24 | 0 9 | 9 42 | 2 35 | 3 0 | 0 45 | 2 55 | 1 47 | 1 21 | 14 30 | 9 43 | 9 15 | 11 6 | 8 56 | 6 19 |
| T 29 | 22 28 | 23 25 | 5 1 | 24 33 | 1 28 | 14 43 | 1 35 | 1 33 | 0 20 | 23 24 | 0 9 | 9 41 | 2 35 | 3 0 | 0 45 | 2 55 | 1 47 | 1 21 | 14 30 | 9 41 | 9 14 | 11 3 | 8 56 | 6 20 |
| F 30 | 22 35 | 18 47 | 4 35 | 24 49 | 1 34 | 15 5 | 1 33 | 1 24 | 0 18 | 23 24 | 0 9 | 9 41 | 2 34 | 3 0 | 0 45 | 2 55 | 1 47 | 1 21 | 14 30 | 9 39 | 9 12 | 11 0 | 8 56 | 6 20 |
| S 31 | 22n42 | 13s 7 | 3s53 | 25n 2 | 1n40 | 15n28 | 1s32 | 1n14 | 0n16 | 23s24 | 0n 9 | 9s40 | 2n34 | 3n 0 | 0n45 | 2s55 | 1n47 | 1n21 | 14s31 | 9n39 | 9n11 | 10n57 | 8s56 | 6n20 |

Julian Day Number = 2133910.5, Delta T = 16m11s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°36'56, Lahiri = 11°43'57 Julian Calendar 1 May 1130 == Greg. Calendar 8 May 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## JUNE 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 1 46 | 15♊51'41 | 19♓46 | 25♊15 | 17♉57 | 27♍55 | 29°R20 | 1°R31 | 24♍12 | 11°R26 | 10♉56 | 24°D46 | 23♈30 | 10♍33 | 19°R48 | S 1 |
| M 2 | 17 5 43 | 16°48'53 | 3♈52 | 27°18 | 19° 9 | 28°16 | 29♐13 | 1♏28 | 24°13 | 11♎25 | 10°57 | 24♈47 | 23°27 | 10°40 | 19♒47 | M 2 |
| T 3 | 17 9 39 | 17°46'06 | 17°53 | 29°19 | 20°21 | 28°39 | 29° 5 | 1°26 | 24°13 | 11°25 | 10°58 | 24°R48 | 23°24 | 10°46 | 19°46 | T 3 |
| W 4 | 17 13 36 | 18°43'18 | 1♉47 | 1♋19 | 21°33 | 29° 1 | 28°58 | 1°24 | 24°13 | 11°24 | 10°59 | 24°48 | 23°20 | 10°53 | 19°45 | W 4 |
| T 5 | 17 17 32 | 19°40'30 | 15°33 | 3°16 | 22°46 | 29°24 | 28°51 | 1°21 | 24°14 | 11°24 | 11° 0 | 24°46 | 23°17 | 11° 0 | 19°44 | T 5 |
| F 6 | 17 21 29 | 20°37'42 | 29° 9 | 5°12 | 23°58 | 29°48 | 28°43 | 1°19 | 24°14 | 11°24 | 11° 1 | 24°42 | 23°14 | 11° 6 | 19°43 | F 6 |
| S 7 | 17 25 25 | 21°34'54 | 12♊34 | 7° 5 | 25°10 | 0♎11 | 28°36 | 1°17 | 24°15 | 11°23 | 11° 2 | 24°35 | 23°11 | 11°13 | 19°41 | S 7 |
| S 8 | 17 29 22 | 22°32'06 | 25°46 | 8°56 | 26°22 | 0°36 | 28°28 | 1°15 | 24°16 | 11°23 | 11° 3 | 24°27 | 23° 8 | 11°20 | 19°40 | S 8 |
| M 9 | 17 33 18 | 23°29'18 | 8♋42 | 10°45 | 27°34 | 1° 0 | 28°20 | 1°13 | 24°16 | 11°23 | 11° 4 | 24°17 | 23° 5 | 11°26 | 19°39 | M 9 |
| T 10 | 17 37 15 | 24°26'29 | 21°24 | 12°32 | 28°47 | 1°25 | 28°13 | 1°11 | 24°17 | 11°23 | 11° 6 | 24° 6 | 23° 1 | 11°33 | 19°38 | T 10 |
| W11 | 17 41 12 | 25°23'40 | 3♌49 | 14°17 | 29°59 | 1°50 | 28° 5 | 1°10 | 24°18 | 11°22 | 11° 7 | 23°56 | 22°58 | 11°40 | 19°36 | W11 |
| T 12 | 17 45 8 | 26°20'51 | 16° 1 | 16° 0 | 1♍11 | 2°16 | 27°57 | 1° 8 | 24°19 | 11°22 | 11° 8 | 23°48 | 22°55 | 11°46 | 19°35 | T 12 |
| F 13 | 17 49 5 | 27°18'02 | 28° 2 | 17°40 | 2°24 | 2°42 | 27°50 | 1° 7 | 24°20 | 11°22 | 11° 9 | 23°42 | 22°52 | 11°53 | 19°33 | F 13 |
| S 14 | 17 53 1 | 28°15'12 | 9♍55 | 19°18 | 3°36 | 3° 8 | 27°42 | 1° 5 | 24°21 | 11°22 | 11°10 | 23°38 | 22°49 | 12° 0 | 19°32 | S 14 |
| S 15 | 17 56 58 | 29°12'22 | 21°45 | 20°55 | 4°48 | 3°34 | 27°34 | 1° 4 | 24°22 | 11°22 | 11°11 | 23°36 | 22°45 | 12° 6 | 19°30 | S 15 |
| M16 | 18 0 54 | 0♋ 9'32 | 3♎36 | 22°29 | 6° 1 | 4° 1 | 27°27 | 1° 2 | 24°23 | 11°22 | 11°11 | 23°D36 | 22°42 | 12°13 | 19°29 | M16 |
| T 17 | 18 4 51 | 1° 6'41 | 15°35 | 24° 0 | 7°13 | 4°28 | 27°19 | 1° 1 | 24°24 | 11°D22 | 11°12 | 23°37 | 22°39 | 12°20 | 19°27 | T 17 |
| W18 | 18 8 48 | 2° 3'50 | 27°46 | 25°30 | 8°26 | 4°56 | 27°11 | 1° 0 | 24°25 | 11°22 | 11°13 | 23°R37 | 22°36 | 12°26 | 19°25 | W18 |
| T 19 | 18 12 44 | 3° 1'00 | 10♏14 | 26°57 | 9°38 | 5°24 | 27° 4 | 0°59 | 24°26 | 11°22 | 11°14 | 23°35 | 22°33 | 12°33 | 19°23 | T 19 |
| F 20 | 18 16 41 | 3°58'09 | 23° 4 | 28°22 | 10°51 | 5°52 | 26°56 | 0°58 | 24°27 | 11°22 | 11°15 | 23°32 | 22°30 | 12°40 | 19°22 | F 20 |
| S 21 | 18 20 37 | 4°55'19 | 6♐17 | 29°45 | 12° 3 | 6°20 | 26°48 | 0°57 | 24°29 | 11°22 | 11°16 | 23°26 | 22°26 | 12°46 | 19°20 | S 21 |
| S 22 | 18 24 34 | 5°52'28 | 19°55 | 1♑ 5 | 13°16 | 6°49 | 26°41 | 0°57 | 24°30 | 11°22 | 11°17 | 23°18 | 22°23 | 12°53 | 19°18 | S 22 |
| M23 | 18 28 30 | 6°49'38 | 3♑55 | 2°24 | 14°29 | 7°18 | 26°33 | 0°56 | 24°31 | 11°23 | 11°18 | 23° 8 | 22°20 | 13° 0 | 19°16 | M23 |
| T 24 | 18 32 27 | 7°46'48 | 18°14 | 3°39 | 15°41 | 7°47 | 26°26 | 0°56 | 24°33 | 11°23 | 11°19 | 22°58 | 22°17 | 13° 7 | 19°14 | T 24 |
| W25 | 18 36 23 | 8°43'58 | 2♒45 | 4°52 | 16°54 | 8°16 | 26°19 | 0°55 | 24°34 | 11°23 | 11°19 | 22°47 | 22°14 | 13°13 | 19°12 | W25 |
| T 26 | 18 40 20 | 9°41'09 | 17°22 | 6° 3 | 18° 7 | 8°46 | 26°11 | 0°55 | 24°36 | 11°23 | 11°20 | 22°38 | 22°11 | 13°20 | 19° 9 | T 26 |
| F 27 | 18 44 17 | 10°38'20 | 1♓57 | 7°11 | 19°20 | 9°16 | 26° 4 | 0°55 | 24°38 | 11°24 | 11°21 | 22°31 | 22° 7 | 13°27 | 19° 7 | F 27 |
| S 28 | 18 48 13 | 11°35'32 | 16°25 | 8°17 | 20°32 | 9°46 | 25°57 | 0°55 | 24°39 | 11°24 | 11°22 | 22°27 | 22° 4 | 13°33 | 19° 5 | S 28 |
| S 29 | 18 52 10 | 12°32'45 | 0♈42 | 9°19 | 21°45 | 10°16 | 25°50 | 0°D55 | 24°41 | 11°24 | 11°22 | 22°26 | 22° 1 | 13°40 | 19° 3 | S 29 |
| M30 | 18 56 6 | 13♋29'59 | 14♈46 | 10♌19 | 22♊58 | 10♎47 | 25♐43 | 0♏55 | 24♍43 | 11♎25 | 11♉23 | 22♈25 | 21♈58 | 13♍47 | 19♒ 1 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n48 | 6s47 | 2s57 | 25n13 | 1n45 | 15n49 | 1s30 | 1n 4 | 0n15 | 23s25 | 0n 9 | 9s39 | 2n34 | 3n 0 | 0n44 | 2s55 | 1n47 | 1n22 | 14s31 | 9n38 | 9n10 | 10n54 | 8s55 | 6n21 |
| M 2 | 22 54 | 0 8 | 1 50 | 25 20 | 1 49 | 16 11 | 1 28 | 0 53 | 0 13 | 23 25 | 0 8 | 9 38 | 2 34 | 2 59 | 0 44 | 2 54 | 1 46 | 1 22 | 14 31 | 9 39 | 9 9 | 10 50 | 8 55 | 6 21 |
| T 3 | 22 59 | 6n29 | 0 37 | 25 25 | 1 52 | 16 32 | 1 27 | 0 43 | 0 11 | 23 25 | 0 8 | 9 38 | 2 33 | 2 59 | 0 44 | 2 54 | 1 46 | 1 22 | 14 31 | 9 39 | 9 8 | 10 47 | 8 55 | 6 21 |
| W 4 | 23 4 | 12 44 | 0n37 | 25 27 | 1 55 | 16 53 | 1 25 | 0 32 | 0 10 | 23 25 | 0 8 | 9 37 | 2 33 | 2 59 | 0 44 | 2 54 | 1 46 | 1 22 | 14 31 | 9 39 | 9 7 | 10 44 | 8 55 | 6 22 |
| T 5 | 23 9 | 18 19 | 1 49 | 25 27 | 1 56 | 17 13 | 1 23 | 0 22 | 0 8 | 23 25 | 0 8 | 9 37 | 2 33 | 2 59 | 0 44 | 2 54 | 1 46 | 1 22 | 14 31 | 9 38 | 9 5 | 10 41 | 8 55 | 6 22 |
| F 6 | 23 13 | 22 53 | 2 53 | 25 25 | 1 58 | 17 33 | 1 21 | 0 11 | 0 6 | 23 25 | 0 8 | 9 36 | 2 33 | 2 59 | 0 44 | 2 54 | 1 46 | 1 23 | 14 31 | 9 37 | 9 4 | 10 38 | 8 55 | 6 22 |
| S 7 | 23 17 | 26 10 | 3 47 | 25 20 | 1 58 | 17 52 | 1 19 | 0s 0 | 0 5 | 23 25 | 0 8 | 9 36 | 2 33 | 2 58 | 0 44 | 2 54 | 1 46 | 1 23 | 14 32 | 9 34 | 9 3 | 10 35 | 8 55 | 6 23 |
| S 8 | 23 21 | 27 56 | 4 27 | 25 13 | 1 58 | 18 11 | 1 17 | 0 11 | 0 3 | 23 25 | 0 8 | 9 35 | 2 32 | 2 58 | 0 44 | 2 54 | 1 46 | 1 23 | 14 32 | 9 31 | 9 2 | 10 31 | 8 55 | 6 23 |
| M 9 | 23 24 | 28 8 | 4 53 | 25 3 | 1 57 | 18 30 | 1 15 | 0 22 | 0 2 | 23 25 | 0 7 | 9 35 | 2 32 | 2 58 | 0 44 | 2 54 | 1 46 | 1 23 | 14 32 | 9 27 | 9 1 | 10 28 | 8 56 | 6 23 |
| T 10 | 23 26 | 26 50 | 5 4 | 24 52 | 1 55 | 18 48 | 1 13 | 0 34 | 0 0 | 23 25 | 0 7 | 9 34 | 2 32 | 2 57 | 0 44 | 2 54 | 1 46 | 1 23 | 14 32 | 9 24 | 8 59 | 10 25 | 8 56 | 6 24 |
| W11 | 23 28 | 24 14 | 4 59 | 24 39 | 1 53 | 19 5 | 1 11 | 0 45 | 0s 1 | 23 25 | 0 7 | 9 34 | 2 32 | 2 57 | 0 44 | 2 54 | 1 46 | 1 23 | 14 32 | 9 20 | 8 58 | 10 22 | 8 56 | 6 24 |
| T 12 | 23 30 | 20 35 | 4 42 | 24 25 | 1 50 | 19 23 | 1 9 | 0 57 | 0 3 | 23 25 | 0 7 | 9 34 | 2 31 | 2 57 | 0 44 | 2 54 | 1 46 | 1 23 | 14 32 | 9 17 | 8 57 | 10 19 | 8 56 | 6 24 |
| F 13 | 23 32 | 16 9 | 4 12 | 24 8 | 1 47 | 19 39 | 1 6 | 1 8 | 0 4 | 23 25 | 0 7 | 9 33 | 2 31 | 2 56 | 0 44 | 2 54 | 1 46 | 1 24 | 14 33 | 9 15 | 8 56 | 10 15 | 8 56 | 6 24 |
| S 14 | 23 33 | 11 8 | 3 31 | 23 51 | 1 42 | 19 55 | 1 4 | 1 20 | 0 6 | 23 25 | 0 7 | 9 33 | 2 31 | 2 56 | 0 44 | 2 54 | 1 46 | 1 24 | 14 33 | 9 13 | 8 55 | 10 12 | 8 56 | 6 25 |
| S 15 | 23 33 | 5 45 | 2 41 | 23 32 | 1 38 | 20 11 | 1 2 | 1 32 | 0 7 | 23 25 | 0 7 | 9 33 | 2 31 | 2 55 | 0 44 | 2 54 | 1 46 | 1 24 | 14 33 | 9 12 | 8 54 | 10 9 | 8 57 | 6 25 |
| M16 | 23 33 | 0 9 | 1 45 | 23 11 | 1 32 | 20 26 | 1 0 | 1 44 | 0 8 | 23 25 | 0 6 | 9 33 | 2 30 | 2 55 | 0 44 | 2 54 | 1 46 | 1 24 | 14 33 | 9 12 | 8 52 | 10 6 | 8 57 | 6 25 |
| T 17 | 23 33 | 5s30 | 0 43 | 22 50 | 1 27 | 20 41 | 0 57 | 1 56 | 0 10 | 23 25 | 0 6 | 9 32 | 2 30 | 2 54 | 0 44 | 2 54 | 1 46 | 1 24 | 14 33 | 9 13 | 8 51 | 10 3 | 8 57 | 6 26 |
| W18 | 23 32 | 11 4 | 0s22 | 22 27 | 1 20 | 20 55 | 0 55 | 2 8 | 0 11 | 23 25 | 0 6 | 9 32 | 2 30 | 2 54 | 0 44 | 2 54 | 1 46 | 1 24 | 14 34 | 9 13 | 8 50 | 9 59 | 8 57 | 6 26 |
| T 19 | 23 31 | 16 20 | 1 27 | 22 4 | 1 13 | 21 8 | 0 52 | 2 21 | 0 13 | 23 25 | 0 6 | 9 32 | 2 30 | 2 53 | 0 44 | 2 54 | 1 46 | 1 24 | 14 34 | 9 12 | 8 49 | 9 56 | 8 58 | 6 26 |
| F 20 | 23 30 | 21 2 | 2 30 | 21 40 | 1 6 | 21 21 | 0 50 | 2 33 | 0 14 | 23 25 | 0 6 | 9 32 | 2 29 | 2 53 | 0 44 | 2 54 | 1 46 | 1 24 | 14 34 | 9 11 | 8 48 | 9 53 | 8 58 | 6 26 |
| S 21 | 23 28 | 24 51 | 3 26 | 21 15 | 0 58 | 21 33 | 0 48 | 2 46 | 0 15 | 23 25 | 0 6 | 9 32 | 2 29 | 2 52 | 0 44 | 2 54 | 1 45 | 1 24 | 14 34 | 9 9 | 8 46 | 9 50 | 8 58 | 6 27 |
| S 22 | 23 25 | 27 22 | 4 12 | 20 49 | 0 50 | 21 45 | 0 45 | 2 58 | 0 16 | 23 25 | 0 6 | 9 32 | 2 29 | 2 52 | 0 44 | 2 54 | 1 45 | 1 24 | 14 34 | 9 6 | 8 45 | 9 47 | 8 58 | 6 27 |
| M23 | 23 23 | 28 14 | 4 45 | 20 23 | 0 41 | 21 56 | 0 43 | 3 11 | 0 18 | 23 25 | 0 5 | 9 32 | 2 29 | 2 51 | 0 44 | 2 54 | 1 45 | 1 24 | 14 35 | 9 2 | 8 44 | 9 43 | 8 59 | 6 27 |
| T 24 | 23 19 | 27 16 | 5 0 | 19 57 | 0 32 | 22 7 | 0 40 | 3 23 | 0 19 | 23 25 | 0 5 | 9 32 | 2 28 | 2 50 | 0 43 | 2 55 | 1 45 | 1 24 | 14 35 | 8 58 | 8 43 | 9 40 | 8 59 | 6 27 |
| W25 | 23 16 | 24 27 | 4 57 | 19 30 | 0 22 | 22 17 | 0 38 | 3 36 | 0 20 | 23 25 | 0 5 | 9 32 | 2 28 | 2 50 | 0 43 | 2 55 | 1 45 | 1 24 | 14 35 | 8 54 | 8 42 | 9 37 | 9 0 | 6 28 |
| T 26 | 23 12 | 20 3 | 4 34 | 19 3 | 0 12 | 22 26 | 0 35 | 3 49 | 0 21 | 23 25 | 0 5 | 9 32 | 2 28 | 2 49 | 0 43 | 2 55 | 1 45 | 1 24 | 14 35 | 8 51 | 8 41 | 9 34 | 9 0 | 6 28 |
| F 27 | 23 8 | 14 28 | 3 53 | 18 36 | 0 2 | 22 35 | 0 33 | 4 2 | 0 23 | 23 25 | 0 5 | 9 33 | 2 27 | 2 48 | 0 43 | 2 55 | 1 45 | 1 24 | 14 36 | 8 48 | 8 39 | 9 31 | 9 0 | 6 28 |
| S 28 | 23 3 | 8 7 | 2 58 | 18 8 | 0s 9 | 22 43 | 0 30 | 4 15 | 0 24 | 23 25 | 0 5 | 9 33 | 2 27 | 2 48 | 0 43 | 2 55 | 1 45 | 1 24 | 14 36 | 8 47 | 8 38 | 9 27 | 9 1 | 6 28 |
| S 29 | 22 58 | 1 26 | 1 52 | 17 41 | 0 20 | 22 50 | 0 27 | 4 28 | 0 25 | 23 25 | 0 5 | 9 33 | 2 27 | 2 47 | 0 43 | 2 55 | 1 45 | 1 24 | 14 36 | 8 46 | 8 37 | 9 24 | 9 1 | 6 29 |
| M30 | 22n52 | 5n14 | 0s40 | 17n14 | 0s32 | 22n57 | 0s25 | 4s41 | 0s26 | 23s25 | 0n 4 | 9s33 | 2n27 | 2n46 | 0n43 | 2s56 | 1n45 | 1n24 | 14s36 | 8n46 | 8n36 | 9n21 | 9s 2 | 6n29 |

Julian Day Number = 2133941.5, Delta T = 16m11s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'01, Lahiri = 11°44'01 Julian Calendar 1 June 1130 == Greg. Calendar 8 June 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## JULY 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 0 3 | 14♋27'13 | 28♈37 | 11♌16 | 24♊11 | 11♎18 | 25°R36 | 0♏55 | 24♍44 | 11♎25 | 11♉24 | 22°R25 | 21♈55 | 13♍53 | 18°R58 | T 1 |
| W 2 | 19 3 59 | 15°24'28 | 12♉15 | 12° 9 | 25°24 | 11°49 | 25♐29 | 0°55 | 24°46 | 11°26 | 11°25 | 22♈24 | 21°51 | 14° 0 | 18♒56 | W 2 |
| T 3 | 19 7 56 | 16°21'44 | 25°41 | 13° 0 | 26°37 | 12°21 | 25°22 | 0°55 | 24°48 | 11°26 | 11°25 | 22°21 | 21°48 | 14° 7 | 18°53 | T 3 |
| F 4 | 19 11 52 | 17°19'02 | 8♊55 | 13°47 | 27°50 | 12°52 | 25°15 | 0°56 | 24°50 | 11°27 | 11°26 | 22°15 | 21°45 | 14°13 | 18°51 | F 4 |
| S 5 | 19 15 49 | 18°16'19 | 21°58 | 14°31 | 29° 3 | 13°24 | 25° 9 | 0°56 | 24°52 | 11°27 | 11°27 | 22° 7 | 21°42 | 14°20 | 18°48 | S 5 |
| S 6 | 19 19 46 | 19°13'38 | 4♋49 | 15°11 | 0♋16 | 13°56 | 25° 2 | 0°57 | 24°54 | 11°28 | 11°27 | 21°56 | 21°39 | 14°27 | 18°46 | S 6 |
| M 7 | 19 23 42 | 20°10'58 | 17°29 | 15°47 | 1°29 | 14°29 | 24°56 | 0°58 | 24°56 | 11°29 | 11°28 | 21°43 | 21°36 | 14°33 | 18°43 | M 7 |
| T 8 | 19 27 39 | 21° 8'18 | 29°56 | 16°19 | 2°43 | 15° 1 | 24°50 | 0°59 | 24°58 | 11°29 | 11°28 | 21°29 | 21°32 | 14°40 | 18°41 | T 8 |
| W 9 | 19 31 35 | 22° 5'39 | 12♌12 | 16°47 | 3°56 | 15°34 | 24°44 | 1° 0 | 25° 0 | 11°30 | 11°29 | 21°17 | 21°29 | 14°47 | 18°38 | W 9 |
| T 10 | 19 35 32 | 23° 3'01 | 24°17 | 17°10 | 5° 9 | 16° 7 | 24°38 | 1° 1 | 25° 3 | 11°31 | 11°30 | 21° 6 | 21°26 | 14°53 | 18°35 | T 10 |
| F 11 | 19 39 28 | 24° 0'23 | 6♍13 | 17°30 | 6°22 | 16°40 | 24°32 | 1° 2 | 25° 5 | 11°31 | 11°30 | 20°57 | 21°23 | 15° 0 | 18°33 | F 11 |
| S 12 | 19 43 25 | 24°57'46 | 18° 3 | 17°44 | 7°36 | 17°14 | 24°26 | 1° 3 | 25° 7 | 11°32 | 11°31 | 20°51 | 21°20 | 15° 7 | 18°30 | S 12 |
| S 13 | 19 47 21 | 25°55'09 | 29°51 | 17°54 | 8°49 | 17°47 | 24°21 | 1° 4 | 25° 9 | 11°33 | 11°31 | 20°48 | 21°17 | 15°13 | 18°27 | S 13 |
| M14 | 19 51 18 | 26°52'34 | 11♎41 | 17°R58 | 10° 2 | 18°21 | 24°15 | 1° 6 | 25°12 | 11°34 | 11°32 | 20°46 | 21°13 | 15°20 | 18°25 | M14 |
| T 15 | 19 55 15 | 27°49'59 | 23°38 | 17°58 | 11°16 | 18°55 | 24°10 | 1° 7 | 25°14 | 11°35 | 11°32 | 20°46 | 21°10 | 15°27 | 18°22 | T 15 |
| W16 | 19 59 11 | 28°47'24 | 5♏47 | 17°52 | 12°29 | 19°29 | 24° 5 | 1° 9 | 25°17 | 11°36 | 11°32 | 20°46 | 21° 7 | 15°33 | 18°19 | W16 |
| T 17 | 20 3 8 | 29°44'51 | 18°15 | 17°41 | 13°43 | 20° 4 | 24° 0 | 1°11 | 25°19 | 11°37 | 11°33 | 20°45 | 21° 4 | 15°40 | 18°16 | T 17 |
| F 18 | 20 7 4 | 0♌42'18 | 1♐ 5 | 17°24 | 14°56 | 20°38 | 23°55 | 1°13 | 25°22 | 11°38 | 11°33 | 20°42 | 21° 1 | 15°47 | 18°13 | F 18 |
| S 19 | 20 11 1 | 1°39'47 | 14°22 | 17° 3 | 16°10 | 21°13 | 23°50 | 1°14 | 25°24 | 11°39 | 11°34 | 20°36 | 20°57 | 15°53 | 18°10 | S 19 |
| S 20 | 20 14 57 | 2°37'16 | 28° 7 | 16°36 | 17°23 | 21°48 | 23°46 | 1°16 | 25°27 | 11°40 | 11°34 | 20°29 | 20°54 | 16° 0 | 18° 7 | S 20 |
| M21 | 20 18 54 | 3°34'46 | 12♑19 | 16° 4 | 18°37 | 22°23 | 23°41 | 1°18 | 25°30 | 11°41 | 11°34 | 20°19 | 20°51 | 16° 7 | 18° 4 | M21 |
| T 22 | 20 22 51 | 4°32'17 | 26°54 | 15°28 | 19°50 | 22°59 | 23°37 | 1°21 | 25°32 | 11°42 | 11°35 | 20° 8 | 20°48 | 16°13 | 18° 1 | T 22 |
| W23 | 20 26 47 | 5°29'49 | 11♒46 | 14°48 | 21° 4 | 23°34 | 23°33 | 1°23 | 25°35 | 11°43 | 11°35 | 19°58 | 20°45 | 16°20 | 17°59 | W23 |
| T 24 | 20 30 44 | 6°27'23 | 26°45 | 14° 4 | 22°18 | 24°10 | 23°29 | 1°25 | 25°38 | 11°44 | 11°35 | 19°49 | 20°42 | 16°27 | 17°56 | T 24 |
| F 25 | 20 34 40 | 7°24'58 | 11♓43 | 13°17 | 23°31 | 24°46 | 23°26 | 1°28 | 25°40 | 11°45 | 11°35 | 19°42 | 20°38 | 16°33 | 17°53 | F 25 |
| S 26 | 20 38 37 | 8°22'34 | 26°31 | 12°28 | 24°45 | 25°22 | 23°22 | 1°30 | 25°43 | 11°46 | 11°36 | 19°38 | 20°35 | 16°40 | 17°50 | S 26 |
| S 27 | 20 42 33 | 9°20'11 | 11♈ 3 | 11°38 | 25°59 | 25°58 | 23°19 | 1°33 | 25°46 | 11°48 | 11°36 | 19°36 | 20°32 | 16°47 | 17°46 | S 27 |
| M28 | 20 46 30 | 10°17'51 | 25°15 | 10°47 | 27°13 | 26°34 | 23°16 | 1°36 | 25°49 | 11°49 | 11°36 | 19°D36 | 20°29 | 16°53 | 17°43 | M28 |
| T 29 | 20 50 26 | 11°15'32 | 9♉ 8 | 9°57 | 28°27 | 27°11 | 23°12 | 1°38 | 25°52 | 11°50 | 11°36 | 19°R36 | 20°26 | 17° 0 | 17°40 | T 29 |
| W30 | 20 54 23 | 12°13'14 | 22°41 | 9° 9 | 29°40 | 27°47 | 23°10 | 1°41 | 25°55 | 11°51 | 11°36 | 19°36 | 20°23 | 17° 7 | 17°37 | W30 |
| T 31 | 20 58 20 | 13♌10'59 | 5♊56 | 8♌23 | 0♌54 | 28♎24 | 23♐ 7 | 1♏44 | 25♍58 | 11♎53 | 11♉36 | 19♈34 | 20♈19 | 17♍13 | 17♒34 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n46 | 11n33 | 0n33 | 16n47 | 0s43 | 23n 3 | 0s22 | 4s55 | 0s27 | 23s25 | 0n 4 | 9s34 | 2n26 | 2n46 | 0n43 | 2s56 | 1n45 | 1n24 | 14s37 | 8n46 | 8n35 | 9n18 | 9s 2 | 6n29 |
| W 2 | 22 40 | 17 13 | 1 43 | 16 21 | 0 55 | 23 9 | 0 20 | 5 8 | 0 29 | 23 25 | 0 4 | 9 34 | 2 26 | 2 45 | 0 43 | 2 56 | 1 45 | 1 24 | 14 37 | 8 46 | 8 33 | 9 14 | 9 3 | 6 29 |
| T 3 | 22 33 | 21 57 | 2 46 | 15 55 | 1 8 | 23 14 | 0 17 | 5 21 | 0 30 | 23 24 | 0 4 | 9 34 | 2 26 | 2 44 | 0 43 | 2 56 | 1 45 | 1 24 | 14 37 | 8 44 | 8 32 | 9 11 | 9 3 | 6 29 |
| F 4 | 22 26 | 25 30 | 3 39 | 15 29 | 1 20 | 23 18 | 0 15 | 5 35 | 0 31 | 23 24 | 0 4 | 9 35 | 2 26 | 2 43 | 0 43 | 2 57 | 1 45 | 1 24 | 14 37 | 8 42 | 8 31 | 9 8 | 9 4 | 6 30 |
| S 5 | 22 18 | 27 38 | 4 20 | 15 5 | 1 33 | 23 21 | 0 12 | 5 48 | 0 32 | 23 24 | 0 4 | 9 35 | 2 25 | 2 42 | 0 43 | 2 57 | 1 45 | 1 24 | 14 37 | 8 39 | 8 30 | 9 5 | 9 5 | 6 30 |
| S 6 | 22 10 | 28 15 | 4 47 | 14 41 | 1 46 | 23 24 | 0 9 | 6 2 | 0 33 | 23 24 | 0 3 | 9 36 | 2 25 | 2 42 | 0 43 | 2 57 | 1 45 | 1 24 | 14 38 | 8 35 | 8 29 | 9 1 | 9 5 | 6 30 |
| M 7 | 22 2 | 27 21 | 4 59 | 14 18 | 1 59 | 23 26 | 0 7 | 6 15 | 0 34 | 23 24 | 0 3 | 9 36 | 2 25 | 2 41 | 0 43 | 2 57 | 1 45 | 1 24 | 14 38 | 8 30 | 8 27 | 8 58 | 9 6 | 6 30 |
| T 8 | 21 53 | 25 5 | 4 57 | 13 56 | 2 12 | 23 27 | 0 4 | 6 29 | 0 35 | 23 24 | 0 3 | 9 37 | 2 24 | 2 40 | 0 43 | 2 58 | 1 45 | 1 24 | 14 38 | 8 25 | 8 26 | 8 55 | 9 6 | 6 30 |
| W 9 | 21 44 | 21 42 | 4 40 | 13 35 | 2 25 | 23 28 | 0 2 | 6 43 | 0 36 | 23 24 | 0 3 | 9 37 | 2 24 | 2 39 | 0 43 | 2 58 | 1 44 | 1 24 | 14 39 | 8 20 | 8 25 | 8 52 | 9 7 | 6 31 |
| T 10 | 21 34 | 17 27 | 4 12 | 13 15 | 2 38 | 23 28 | 0n 1 | 6 56 | 0 37 | 23 24 | 0 3 | 9 38 | 2 24 | 2 38 | 0 43 | 2 58 | 1 44 | 1 24 | 14 39 | 8 16 | 8 24 | 8 48 | 9 8 | 6 31 |
| F 11 | 21 25 | 12 33 | 3 32 | 12 57 | 2 51 | 23 27 | 0 3 | 7 10 | 0 38 | 23 24 | 0 3 | 9 39 | 2 24 | 2 37 | 0 43 | 2 59 | 1 44 | 1 24 | 14 39 | 8 13 | 8 23 | 8 45 | 9 8 | 6 31 |
| S 12 | 21 14 | 7 15 | 2 44 | 12 40 | 3 4 | 23 26 | 0 6 | 7 24 | 0 39 | 23 24 | 0 3 | 9 39 | 2 23 | 2 36 | 0 43 | 2 59 | 1 44 | 1 24 | 14 39 | 8 11 | 8 21 | 8 42 | 9 9 | 6 31 |
| S 13 | 21 4 | 1 43 | 1 48 | 12 26 | 3 16 | 23 24 | 0 9 | 7 38 | 0 40 | 23 24 | 0 2 | 9 40 | 2 23 | 2 35 | 0 43 | 2 59 | 1 44 | 1 23 | 14 40 | 8 9 | 8 20 | 8 39 | 9 10 | 6 31 |
| M14 | 20 53 | 3s54 | 0 48 | 12 13 | 3 29 | 23 21 | 0 11 | 7 52 | 0 41 | 23 23 | 0 2 | 9 41 | 2 23 | 2 34 | 0 43 | 3 0 | 1 44 | 1 23 | 14 40 | 8 9 | 8 19 | 8 35 | 9 10 | 6 31 |
| T 15 | 20 42 | 9 27 | 0s15 | 12 1 | 3 40 | 23 18 | 0 14 | 8 6 | 0 42 | 23 23 | 0 2 | 9 42 | 2 23 | 2 33 | 0 43 | 3 0 | 1 44 | 1 23 | 14 40 | 8 9 | 8 18 | 8 32 | 9 11 | 6 31 |
| W16 | 20 30 | 14 45 | 1 19 | 11 52 | 3 52 | 23 14 | 0 16 | 8 20 | 0 43 | 23 23 | 0 2 | 9 42 | 2 22 | 2 32 | 0 43 | 3 1 | 1 44 | 1 23 | 14 40 | 8 9 | 8 17 | 8 29 | 9 12 | 6 32 |
| T 17 | 20 18 | 19 35 | 2 20 | 11 46 | 4 2 | 23 9 | 0 18 | 8 34 | 0 44 | 23 23 | 0 2 | 9 43 | 2 22 | 2 31 | 0 43 | 3 1 | 1 44 | 1 23 | 14 41 | 8 8 | 8 15 | 8 26 | 9 13 | 6 32 |
| F 18 | 20 6 | 23 40 | 3 16 | 11 41 | 4 12 | 23 4 | 0 21 | 8 47 | 0 45 | 23 23 | 0 2 | 9 44 | 2 22 | 2 30 | 0 43 | 3 1 | 1 44 | 1 23 | 14 41 | 8 7 | 8 14 | 8 22 | 9 13 | 6 32 |
| S 19 | 19 53 | 26 40 | 4 4 | 11 39 | 4 21 | 22 57 | 0 23 | 9 1 | 0 46 | 23 23 | 0 2 | 9 45 | 2 22 | 2 29 | 0 43 | 3 2 | 1 44 | 1 23 | 14 41 | 8 5 | 8 13 | 8 19 | 9 14 | 6 32 |
| S 20 | 19 40 | 28 11 | 4 39 | 11 40 | 4 29 | 22 50 | 0 26 | 9 15 | 0 47 | 23 23 | 0 1 | 9 46 | 2 21 | 2 28 | 0 43 | 3 2 | 1 44 | 1 23 | 14 41 | 8 2 | 8 12 | 8 16 | 9 15 | 6 32 |
| M21 | 19 27 | 27 56 | 4 58 | 11 43 | 4 35 | 22 43 | 0 28 | 9 30 | 0 48 | 23 23 | 0 1 | 9 47 | 2 21 | 2 27 | 0 42 | 3 3 | 1 44 | 1 22 | 14 42 | 7 58 | 8 11 | 8 12 | 9 16 | 6 32 |
| T 22 | 19 13 | 25 46 | 4 59 | 11 48 | 4 41 | 22 35 | 0 30 | 9 44 | 0 49 | 23 23 | 0 1 | 9 48 | 2 21 | 2 26 | 0 42 | 3 3 | 1 44 | 1 22 | 14 42 | 7 54 | 8 9 | 8 9 | 9 17 | 6 32 |
| W23 | 18 59 | 21 49 | 4 40 | 11 56 | 4 44 | 22 26 | 0 33 | 9 58 | 0 49 | 23 23 | 0 1 | 9 49 | 2 21 | 2 25 | 0 42 | 3 4 | 1 44 | 1 22 | 14 42 | 7 50 | 8 8 | 8 6 | 9 17 | 6 32 |
| T 24 | 18 45 | 16 26 | 4 2 | 12 7 | 4 47 | 22 16 | 0 35 | 10 12 | 0 50 | 23 23 | 0 1 | 9 50 | 2 20 | 2 24 | 0 42 | 3 4 | 1 44 | 1 22 | 14 43 | 7 47 | 8 7 | 8 3 | 9 18 | 6 32 |
| F 25 | 18 30 | 10 4 | 3 7 | 12 20 | 4 47 | 22 6 | 0 37 | 10 26 | 0 51 | 23 23 | 0 1 | 9 51 | 2 20 | 2 22 | 0 42 | 3 5 | 1 44 | 1 22 | 14 43 | 7 44 | 8 6 | 7 59 | 9 19 | 6 32 |
| S 26 | 18 15 | 3 13 | 1 59 | 12 34 | 4 45 | 21 55 | 0 39 | 10 40 | 0 52 | 23 23 | 0 1 | 9 52 | 2 20 | 2 21 | 0 42 | 3 5 | 1 44 | 1 21 | 14 43 | 7 43 | 8 5 | 7 56 | 9 20 | 6 32 |
| S 27 | 18 0 | 3n42 | 0 45 | 12 51 | 4 42 | 21 44 | 0 41 | 10 54 | 0 53 | 23 23 | 0 0 | 9 53 | 2 19 | 2 20 | 0 42 | 3 6 | 1 44 | 1 21 | 14 43 | 7 42 | 8 3 | 7 53 | 9 21 | 6 32 |
| M28 | 17 45 | 10 17 | 0n30 | 13 10 | 4 37 | 21 32 | 0 43 | 11 8 | 0 54 | 23 23 | 0 0 | 9 55 | 2 19 | 2 19 | 0 42 | 3 6 | 1 44 | 1 21 | 14 44 | 7 42 | 8 2 | 7 49 | 9 22 | 6 32 |
| T 29 | 17 29 | 16 13 | 1 42 | 13 30 | 4 30 | 21 19 | 0 46 | 11 22 | 0 54 | 23 23 | 0 0 | 9 56 | 2 19 | 2 18 | 0 42 | 3 7 | 1 43 | 1 21 | 14 44 | 7 42 | 8 1 | 7 46 | 9 23 | 6 32 |
| W30 | 17 13 | 21 13 | 2 46 | 13 51 | 4 21 | 21 5 | 0 48 | 11 36 | 0 55 | 23 23 | 0 0 | 9 57 | 2 19 | 2 17 | 0 42 | 3 7 | 1 43 | 1 21 | 14 44 | 7 42 | 8 0 | 7 43 | 9 24 | 6 32 |
| T 31 | 16n56 | 25n 1 | 3n40 | 14n14 | 4s10 | 20n51 | 0n50 | 11s50 | 0s56 | 23s23 | 0s 0 | 9s58 | 2n18 | 2n15 | 0n42 | 3s 8 | 1n43 | 1n20 | 14s44 | 7n41 | 7n59 | 7n40 | 9s24 | 6n32 |

Julian Day Number = 2133971.5, Delta T = 16m11s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'05, Lahiri = 11°44'05 Julian Calendar 1 July 1130 == Greg. Calendar 8 July 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## AUGUST 1130 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 2 16 | 14♌ 8'45 | 18♊56 | 7°R41 | 2♌ 8 | 29♎ 1 | 23°R 5 | 1♏47 | 26♍ 1 | 11♎54 | 11♉36 | 19°R29 | 20♈16 | 17♍20 | 17°R31 | F 1 |
| S 2 | 21 6 13 | 15° 6'33 | 1♋41 | 7♌ 3 | 3°22 | 29°38 | 23♐ 2 | 1°51 | 26° 4 | 11°56 | 11°37 | 19♈22 | 20°13 | 17°27 | 17♒28 | S 2 |
| S 3 | 21 10 9 | 16° 4'22 | 14°15 | 6°30 | 4°36 | 0♏16 | 23° 0 | 1°54 | 26° 7 | 11°57 | 11°37 | 19°13 | 20°10 | 17°33 | 17°25 | S 3 |
| M 4 | 21 14 6 | 17° 2'14 | 26°38 | 6° 4 | 5°50 | 0°53 | 22°58 | 1°57 | 26°10 | 11°58 | 11°37 | 19° 2 | 20° 7 | 17°40 | 17°22 | M 4 |
| T 5 | 21 18 2 | 18° 0'06 | 8♌52 | 5°44 | 7° 5 | 1°31 | 22°56 | 2° 1 | 26°13 | 12° 0 | 11°R37 | 18°50 | 20° 3 | 17°47 | 17°19 | T 5 |
| W 6 | 21 21 59 | 18°58'01 | 20°57 | 5°31 | 8°19 | 2° 8 | 22°55 | 2° 4 | 26°16 | 12° 1 | 11°37 | 18°39 | 20° 0 | 17°53 | 17°16 | W 6 |
| T 7 | 21 25 55 | 19°55'56 | 2♍54 | 5°D26 | 9°33 | 2°46 | 22°54 | 2° 8 | 26°20 | 12° 3 | 11°37 | 18°30 | 19°57 | 18° 0 | 17°13 | T 7 |
| F 8 | 21 29 52 | 20°53'54 | 14°45 | 5°29 | 10°47 | 3°24 | 22°52 | 2°11 | 26°23 | 12° 4 | 11°37 | 18°22 | 19°54 | 18° 7 | 17°10 | F 8 |
| S 9 | 21 33 49 | 21°51'52 | 26°33 | 5°40 | 12° 1 | 4° 3 | 22°51 | 2°15 | 26°26 | 12° 6 | 11°37 | 18°18 | 19°51 | 18°13 | 17° 7 | S 9 |
| S 10 | 21 37 45 | 22°49'52 | 8♎20 | 5°59 | 13°15 | 4°41 | 22°51 | 2°19 | 26°29 | 12° 8 | 11°36 | 18°15 | 19°48 | 18°20 | 17° 4 | S 10 |
| M11 | 21 41 42 | 23°47'54 | 20° 9 | 6°27 | 14°30 | 5°19 | 22°50 | 2°23 | 26°33 | 12° 9 | 11°36 | 18°D15 | 19°44 | 18°27 | 17° 1 | M11 |
| T 12 | 21 45 38 | 24°45'57 | 2♏ 5 | 7° 2 | 15°44 | 5°58 | 22°50 | 2°27 | 26°36 | 12°11 | 11°36 | 18°15 | 19°41 | 18°33 | 16°58 | T 12 |
| W13 | 21 49 35 | 25°44'02 | 14°14 | 7°45 | 16°58 | 6°37 | 22°49 | 2°31 | 26°39 | 12°12 | 11°36 | 18°16 | 19°38 | 18°40 | 16°55 | W13 |
| T 14 | 21 53 31 | 26°42'08 | 26°39 | 8°36 | 18°13 | 7°16 | 22°D49 | 2°35 | 26°43 | 12°14 | 11°36 | 18°R17 | 19°35 | 18°47 | 16°52 | T 14 |
| F 15 | 21 57 28 | 27°40'16 | 9♐26 | 9°35 | 19°27 | 7°55 | 22°50 | 2°39 | 26°46 | 12°16 | 11°36 | 18°16 | 19°32 | 18°53 | 16°49 | F 15 |
| S 16 | 22 1 24 | 28°38'25 | 22°38 | 10°40 | 20°41 | 8°34 | 22°50 | 2°43 | 26°50 | 12°18 | 11°35 | 18°14 | 19°28 | 19° 0 | 16°46 | S 16 |
| S 17 | 22 5 21 | 29°36'36 | 6♑20 | 11°52 | 21°56 | 9°13 | 22°51 | 2°48 | 26°53 | 12°19 | 11°35 | 18° 9 | 19°25 | 19° 7 | 16°43 | S 17 |
| M18 | 22 9 18 | 0♍34'48 | 20°31 | 13°10 | 23°10 | 9°53 | 22°51 | 2°52 | 26°57 | 12°21 | 11°35 | 18° 3 | 19°22 | 19°13 | 16°40 | M18 |
| T 19 | 22 13 14 | 1°33'02 | 5♒ 9 | 14°34 | 24°25 | 10°32 | 22°52 | 2°57 | 27° 0 | 12°23 | 11°35 | 17°56 | 19°19 | 19°20 | 16°37 | T 19 |
| W20 | 22 17 11 | 2°31'17 | 20° 8 | 16° 2 | 25°39 | 11°12 | 22°53 | 3° 1 | 27° 4 | 12°25 | 11°34 | 17°49 | 19°16 | 19°27 | 16°34 | W20 |
| T 21 | 22 21 7 | 3°29'34 | 5♓19 | 17°36 | 26°53 | 11°52 | 22°55 | 3° 6 | 27° 7 | 12°27 | 11°34 | 17°43 | 19°13 | 19°33 | 16°31 | T 21 |
| F 22 | 22 25 4 | 4°27'53 | 20°32 | 19°13 | 28° 8 | 12°32 | 22°56 | 3°11 | 27°11 | 12°28 | 11°34 | 17°39 | 19° 9 | 19°40 | 16°28 | F 22 |
| S 23 | 22 29 0 | 5°26'14 | 5♈37 | 20°53 | 29°23 | 13°12 | 22°58 | 3°15 | 27°14 | 12°30 | 11°33 | 17°36 | 19° 6 | 19°47 | 16°25 | S 23 |
| S 24 | 22 32 57 | 6°24'37 | 20°26 | 22°37 | 0♍37 | 13°52 | 23° 0 | 3°20 | 27°18 | 12°32 | 11°33 | 17°D36 | 19° 3 | 19°53 | 16°22 | S 24 |
| M25 | 22 36 53 | 7°23'02 | 4♉54 | 24°23 | 1°52 | 14°32 | 23° 2 | 3°25 | 27°21 | 12°34 | 11°33 | 17°37 | 19° 0 | 20° 0 | 16°20 | M25 |
| T 26 | 22 40 50 | 8°21'29 | 18°57 | 26°11 | 3° 6 | 15°13 | 23° 4 | 3°30 | 27°25 | 12°36 | 11°32 | 17°38 | 18°57 | 20° 7 | 16°17 | T 26 |
| W27 | 22 44 46 | 9°19'59 | 2♊35 | 28° 0 | 4°21 | 15°53 | 23° 6 | 3°35 | 27°29 | 12°38 | 11°32 | 17°39 | 18°54 | 20°13 | 16°14 | W27 |
| T 28 | 22 48 43 | 10°18'30 | 15°50 | 29°51 | 5°36 | 16°34 | 23° 9 | 3°40 | 27°32 | 12°40 | 11°31 | 17°R39 | 18°50 | 20°20 | 16°11 | T 28 |
| F 29 | 22 52 40 | 11°17'05 | 28°44 | 1♍42 | 6°50 | 17°15 | 23°12 | 3°45 | 27°36 | 12°42 | 11°31 | 17°38 | 18°47 | 20°27 | 16° 9 | F 29 |
| S 30 | 22 56 36 | 12°15'41 | 11♋21 | 3°34 | 8° 5 | 17°56 | 23°15 | 3°51 | 27°40 | 12°44 | 11°30 | 17°35 | 18°44 | 20°33 | 16° 6 | S 30 |
| S 31 | 23 0 33 | 13♍14'20 | 23♋43 | 5♍26 | 9♍20 | 18♏37 | 23♐18 | 3♏56 | 27♍43 | 12♎46 | 11♉30 | 17♈30 | 18♈41 | 20♍40 | 16♒ 3 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n40 | 27n26 | 4n22 | 14n36 | 3s58 | 20n37 | 0n51 | 12s 4 | 0s57 | 23s23 | 0s 0 | 9s59 | 2n18 | 2n14 | 0n42 | 3s 9 | 1n43 | 1n20 | 14s45 | 7n40 | 7n57 | 7n36 | 9s25 | 6n32 |
| S 2 | 16 23 | 28 22 | 4 49 | 14 59 | 3 44 | 20 22 | 0 53 | 12 18 | 0 57 | 23 23 | 0 0 | 10 1 | 2 18 | 2 13 | 0 42 | 3 9 | 1 43 | 1 20 | 14 45 | 7 37 | 7 56 | 7 33 | 9 26 | 6 32 |
| S 3 | 16 6 | 27 48 | 5 2 | 15 21 | 3 30 | 20 6 | 0 55 | 12 31 | 0 58 | 23 23 | 0 1 | 10 2 | 2 18 | 2 12 | 0 42 | 3 10 | 1 43 | 1 20 | 14 45 | 7 33 | 7 55 | 7 30 | 9 27 | 6 32 |
| M 4 | 15 48 | 25 51 | 5 1 | 15 43 | 3 14 | 19 49 | 0 57 | 12 45 | 0 59 | 23 23 | 0 1 | 10 4 | 2 17 | 2 10 | 0 42 | 3 10 | 1 43 | 1 19 | 14 46 | 7 29 | 7 54 | 7 26 | 9 28 | 6 32 |
| T 5 | 15 31 | 22 43 | 4 45 | 16 4 | 2 57 | 19 32 | 0 59 | 12 59 | 1 0 | 23 23 | 0 1 | 10 5 | 2 17 | 2 9 | 0 42 | 3 11 | 1 43 | 1 19 | 14 46 | 7 25 | 7 53 | 7 23 | 9 29 | 6 32 |
| W 6 | 15 13 | 18 38 | 4 17 | 16 24 | 2 40 | 19 15 | 1 0 | 13 13 | 1 0 | 23 23 | 0 1 | 10 6 | 2 17 | 2 8 | 0 42 | 3 12 | 1 43 | 1 19 | 14 46 | 7 21 | 7 51 | 7 20 | 9 30 | 6 32 |
| T 7 | 14 54 | 13 52 | 3 38 | 16 43 | 2 22 | 18 57 | 1 2 | 13 27 | 1 1 | 23 23 | 0 1 | 10 8 | 2 17 | 2 7 | 0 42 | 3 12 | 1 43 | 1 19 | 14 46 | 7 17 | 7 50 | 7 16 | 9 31 | 6 32 |
| F 8 | 14 36 | 8 38 | 2 49 | 17 0 | 2 4 | 18 38 | 1 4 | 13 41 | 1 2 | 23 23 | 0 1 | 10 9 | 2 17 | 2 5 | 0 42 | 3 13 | 1 43 | 1 18 | 14 47 | 7 14 | 7 49 | 7 13 | 9 32 | 6 32 |
| S 9 | 14 17 | 3 7 | 1 54 | 17 14 | 1 45 | 18 19 | 1 5 | 13 54 | 1 2 | 23 23 | 0 1 | 10 11 | 2 16 | 2 4 | 0 42 | 3 14 | 1 43 | 1 18 | 14 47 | 7 12 | 7 48 | 7 10 | 9 33 | 6 32 |
| S 10 | 13 58 | 2s30 | 0 53 | 17 27 | 1 27 | 17 59 | 1 7 | 14 8 | 1 3 | 23 23 | 0 1 | 10 12 | 2 16 | 2 3 | 0 42 | 3 14 | 1 43 | 1 18 | 14 47 | 7 11 | 7 47 | 7 6 | 9 34 | 6 32 |
| M11 | 13 39 | 8 4 | 0s10 | 17 38 | 1 10 | 17 39 | 1 8 | 14 22 | 1 4 | 23 23 | 0 2 | 10 14 | 2 16 | 2 1 | 0 42 | 3 15 | 1 43 | 1 17 | 14 48 | 7 11 | 7 45 | 7 3 | 9 35 | 6 32 |
| T 12 | 13 20 | 13 25 | 1 14 | 17 46 | 0 52 | 17 18 | 1 10 | 14 35 | 1 4 | 23 23 | 0 2 | 10 15 | 2 16 | 2 0 | 0 42 | 3 16 | 1 43 | 1 17 | 14 48 | 7 11 | 7 44 | 7 0 | 9 36 | 6 32 |
| W13 | 13 0 | 18 20 | 2 15 | 17 51 | 0 36 | 16 57 | 1 11 | 14 49 | 1 5 | 23 23 | 0 2 | 10 17 | 2 15 | 1 58 | 0 42 | 3 16 | 1 43 | 1 17 | 14 48 | 7 12 | 7 43 | 6 57 | 9 37 | 6 32 |
| T 14 | 12 40 | 22 36 | 3 12 | 17 53 | 0 19 | 16 35 | 1 12 | 15 2 | 1 6 | 23 23 | 0 2 | 10 19 | 2 15 | 1 57 | 0 42 | 3 17 | 1 43 | 1 16 | 14 48 | 7 12 | 7 42 | 6 53 | 9 38 | 6 32 |
| F 15 | 12 20 | 25 56 | 4 1 | 17 52 | 0 4 | 16 13 | 1 13 | 15 16 | 1 6 | 23 24 | 0 2 | 10 20 | 2 15 | 1 56 | 0 42 | 3 18 | 1 43 | 1 16 | 14 49 | 7 12 | 7 41 | 6 50 | 9 39 | 6 31 |
| S 16 | 12 0 | 27 59 | 4 38 | 17 49 | 0n11 | 15 51 | 1 15 | 15 29 | 1 7 | 23 24 | 0 2 | 10 22 | 2 15 | 1 54 | 0 42 | 3 18 | 1 43 | 1 16 | 14 49 | 7 11 | 7 39 | 6 47 | 9 40 | 6 31 |
| S 17 | 11 40 | 28 25 | 5 2 | 17 42 | 0 24 | 15 28 | 1 16 | 15 42 | 1 7 | 23 24 | 0 2 | 10 24 | 2 14 | 1 53 | 0 42 | 3 19 | 1 43 | 1 16 | 14 49 | 7 9 | 7 38 | 6 43 | 9 41 | 6 31 |
| M18 | 11 19 | 27 3 | 5 8 | 17 32 | 0 37 | 15 4 | 1 17 | 15 55 | 1 8 | 23 24 | 0 2 | 10 25 | 2 14 | 1 52 | 0 42 | 3 20 | 1 43 | 1 15 | 14 49 | 7 7 | 7 37 | 6 40 | 9 42 | 6 31 |
| T 19 | 10 58 | 23 50 | 4 55 | 17 19 | 0 49 | 14 40 | 1 18 | 16 8 | 1 9 | 23 24 | 0 3 | 10 27 | 2 14 | 1 50 | 0 42 | 3 20 | 1 43 | 1 15 | 14 50 | 7 4 | 7 36 | 6 37 | 9 43 | 6 31 |
| W20 | 10 38 | 18 58 | 4 21 | 17 3 | 0 59 | 14 16 | 1 19 | 16 21 | 1 9 | 23 24 | 0 3 | 10 29 | 2 14 | 1 49 | 0 42 | 3 21 | 1 43 | 1 15 | 14 50 | 7 1 | 7 35 | 6 33 | 9 44 | 6 31 |
| T 21 | 10 16 | 12 50 | 3 29 | 16 43 | 1 9 | 13 51 | 1 20 | 16 34 | 1 10 | 23 25 | 0 3 | 10 31 | 2 14 | 1 47 | 0 42 | 3 22 | 1 43 | 1 14 | 14 50 | 6 59 | 7 33 | 6 30 | 9 45 | 6 31 |
| F 22 | 9 55 | 5 56 | 2 21 | 16 21 | 1 17 | 13 26 | 1 20 | 16 47 | 1 10 | 23 25 | 0 3 | 10 32 | 2 13 | 1 46 | 0 42 | 3 23 | 1 43 | 1 14 | 14 50 | 6 57 | 7 32 | 6 27 | 9 46 | 6 30 |
| S 23 | 9 34 | 1n15 | 1 5 | 15 56 | 1 25 | 13 1 | 1 21 | 17 0 | 1 11 | 23 25 | 0 3 | 10 34 | 2 13 | 1 44 | 0 42 | 3 23 | 1 43 | 1 14 | 14 51 | 6 57 | 7 31 | 6 23 | 9 47 | 6 30 |
| S 24 | 9 12 | 8 16 | 0n15 | 15 28 | 1 31 | 12 35 | 1 22 | 17 13 | 1 11 | 23 25 | 0 3 | 10 36 | 2 13 | 1 43 | 0 42 | 3 24 | 1 42 | 1 13 | 14 51 | 6 56 | 7 30 | 6 20 | 9 48 | 6 30 |
| M25 | 8 50 | 14 40 | 1 33 | 14 58 | 1 36 | 12 9 | 1 22 | 17 25 | 1 12 | 23 25 | 0 3 | 10 38 | 2 13 | 1 42 | 0 42 | 3 25 | 1 42 | 1 13 | 14 51 | 6 57 | 7 28 | 6 16 | 9 49 | 6 30 |
| T 26 | 8 29 | 20 8 | 2 42 | 14 26 | 1 41 | 11 42 | 1 23 | 17 38 | 1 12 | 23 26 | 0 3 | 10 40 | 2 13 | 1 40 | 0 42 | 3 26 | 1 42 | 1 12 | 14 51 | 6 57 | 7 27 | 6 13 | 9 50 | 6 30 |
| W27 | 8 6 | 24 22 | 3 40 | 13 51 | 1 44 | 11 15 | 1 23 | 17 50 | 1 13 | 23 26 | 0 4 | 10 42 | 2 12 | 1 39 | 0 42 | 3 27 | 1 42 | 1 12 | 14 52 | 6 58 | 7 26 | 6 10 | 9 51 | 6 29 |
| T 28 | 7 44 | 27 11 | 4 25 | 13 15 | 1 47 | 10 48 | 1 24 | 18 2 | 1 13 | 23 26 | 0 4 | 10 44 | 2 12 | 1 37 | 0 42 | 3 27 | 1 42 | 1 12 | 14 52 | 6 58 | 7 25 | 6 6 | 9 52 | 6 29 |
| F 29 | 7 22 | 28 28 | 4 55 | 12 37 | 1 49 | 10 21 | 1 24 | 18 15 | 1 14 | 23 26 | 0 4 | 10 46 | 2 12 | 1 36 | 0 42 | 3 28 | 1 42 | 1 11 | 14 52 | 6 57 | 7 24 | 6 3 | 9 53 | 6 29 |
| S 30 | 7 0 | 28 12 | 5 10 | 11 57 | 1 50 | 9 53 | 1 25 | 18 27 | 1 14 | 23 27 | 0 4 | 10 48 | 2 12 | 1 34 | 0 42 | 3 29 | 1 42 | 1 11 | 14 52 | 6 56 | 7 22 | 6 0 | 9 54 | 6 29 |
| S 31 | 6n37 | 26n32 | 5n10 | 11n16 | 1n50 | 9n25 | 1n25 | 18s39 | 1s15 | 23s27 | 0s 4 | 10s50 | 2n12 | 1n33 | 0n42 | 3s30 | 1n42 | 1n11 | 14s53 | 6n54 | 7n21 | 5n56 | 9s55 | 6n29 |

Julian Day Number = 2134002.5, Delta T = 16m10s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'09, Lahiri = 11°44'09 Julian Calendar 1 Aug. 1130 == Greg. Calendar 8 Aug. 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## SEPTEMBER 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 4 29 | 14♍13'00 | 5♌55 | 7♍19 | 10♍35 | 19♏18 | 23♐21 | 4♏ 1 | 27♍47 | 12♎48 | 11°R29 | 17°R25 | 18♈38 | 20♍47 | 16°R 1 | M 1 |
| T 2 | 23 8 26 | 15°11'43 | 17°57 | 9°11 | 11°49 | 19°59 | 23°25 | 4° 7 | 27°51 | 12°50 | 11♉29 | 17♈19 | 18°34 | 20°53 | 15♒58 | T 2 |
| W 3 | 23 12 22 | 16°10'28 | 29°53 | 11° 2 | 13° 4 | 20°40 | 23°28 | 4°12 | 27°54 | 12°52 | 11°28 | 17°13 | 18°31 | 21° 0 | 15°56 | W 3 |
| T 4 | 23 16 19 | 17° 9'15 | 11♍44 | 12°53 | 14°19 | 21°22 | 23°32 | 4°18 | 27°58 | 12°54 | 11°28 | 17° 8 | 18°28 | 21° 7 | 15°53 | T 4 |
| F 5 | 23 20 15 | 18° 8'04 | 23°32 | 14°44 | 15°34 | 22° 3 | 23°36 | 4°23 | 28° 2 | 12°56 | 11°27 | 17° 5 | 18°25 | 21°13 | 15°51 | F 5 |
| S 6 | 23 24 12 | 19° 6'55 | 5♎20 | 16°34 | 16°49 | 22°45 | 23°41 | 4°29 | 28° 6 | 12°58 | 11°26 | 17° 3 | 18°22 | 21°20 | 15°48 | S 6 |
| S 7 | 23 28 9 | 20° 5'48 | 17° 9 | 18°23 | 18° 4 | 23°27 | 23°45 | 4°35 | 28° 9 | 13° 0 | 11°26 | 17°D 2 | 18°19 | 21°27 | 15°46 | S 7 |
| M 8 | 23 32 5 | 21° 4'43 | 29° 2 | 20°12 | 19°18 | 24° 9 | 23°50 | 4°40 | 28°13 | 13° 2 | 11°25 | 17° 2 | 18°15 | 21°33 | 15°44 | M 8 |
| T 9 | 23 36 2 | 22° 3'40 | 11♏ 3 | 22° 0 | 20°33 | 24°51 | 23°54 | 4°46 | 28°17 | 13° 4 | 11°25 | 17° 4 | 18°12 | 21°40 | 15°42 | T 9 |
| W10 | 23 39 58 | 23° 2'38 | 23°14 | 23°47 | 21°48 | 25°33 | 23°59 | 4°52 | 28°21 | 13° 6 | 11°24 | 17° 6 | 18° 9 | 21°47 | 15°39 | W10 |
| T 11 | 23 43 55 | 24° 1'39 | 5♐41 | 25°33 | 23° 3 | 26°15 | 24° 4 | 4°58 | 28°24 | 13° 9 | 11°23 | 17° 7 | 18° 6 | 21°53 | 15°37 | T 11 |
| F 12 | 23 47 51 | 25° 0'42 | 18°26 | 27°18 | 24°18 | 26°57 | 24°10 | 5° 4 | 28°28 | 13°11 | 11°22 | 17° 8 | 18° 3 | 22° 0 | 15°35 | F 12 |
| S 13 | 23 51 48 | 25°59'46 | 1♑33 | 29° 2 | 25°33 | 27°40 | 24°15 | 5°10 | 28°32 | 13°13 | 11°22 | 17°R 8 | 18° 0 | 22° 7 | 15°33 | S 13 |
| S 14 | 23 55 44 | 26°58'52 | 15° 6 | 0♎46 | 26°48 | 28°22 | 24°21 | 5°16 | 28°36 | 13°15 | 11°21 | 17° 7 | 17°56 | 22°13 | 15°31 | S 14 |
| M15 | 23 59 41 | 27°58'00 | 29° 7 | 2°28 | 28° 3 | 29° 5 | 24°26 | 5°22 | 28°40 | 13°17 | 11°20 | 17° 5 | 17°53 | 22°20 | 15°29 | M15 |
| T 16 | 0 3 38 | 28°57'10 | 13♒33 | 4°10 | 29°18 | 29°47 | 24°32 | 5°28 | 28°43 | 13°19 | 11°19 | 17° 3 | 17°50 | 22°27 | 15°27 | T 16 |
| W17 | 0 7 34 | 29°56'21 | 28°22 | 5°51 | 0♎33 | 0♐30 | 24°38 | 5°35 | 28°47 | 13°22 | 11°19 | 17° 1 | 17°47 | 22°33 | 15°25 | W17 |
| T 18 | 0 11 31 | 0♎55'34 | 13♓28 | 7°31 | 1°48 | 1°13 | 24°45 | 5°41 | 28°51 | 13°24 | 11°18 | 16°59 | 17°44 | 22°40 | 15°23 | T 18 |
| F 19 | 0 15 27 | 1°54'50 | 28°42 | 9°10 | 3° 3 | 1°56 | 24°51 | 5°47 | 28°55 | 13°26 | 11°17 | 16°58 | 17°40 | 22°47 | 15°21 | F 19 |
| S 20 | 0 19 24 | 2°54'07 | 13♈53 | 10°49 | 4°18 | 2°39 | 24°58 | 5°54 | 28°58 | 13°28 | 11°16 | 16°D57 | 17°37 | 22°53 | 15°19 | S 20 |
| S 21 | 0 23 20 | 3°53'26 | 28°52 | 12°27 | 5°33 | 3°22 | 25° 4 | 6° 0 | 29° 2 | 13°30 | 11°15 | 16°57 | 17°34 | 23° 0 | 15°18 | S 21 |
| M22 | 0 27 17 | 4°52'48 | 13♉33 | 14° 4 | 6°48 | 4° 5 | 25°11 | 6° 6 | 29° 6 | 13°33 | 11°14 | 16°58 | 17°31 | 23° 7 | 15°16 | M22 |
| T 23 | 0 31 13 | 5°52'12 | 27°48 | 15°40 | 8° 3 | 4°49 | 25°18 | 6°13 | 29°10 | 13°35 | 11°14 | 16°59 | 17°28 | 23°13 | 15°15 | T 23 |
| W24 | 0 35 10 | 6°51'39 | 11♊37 | 17°16 | 9°18 | 5°32 | 25°25 | 6°19 | 29°13 | 13°37 | 11°13 | 17° 0 | 17°25 | 23°20 | 15°13 | W24 |
| T 25 | 0 39 7 | 7°51'08 | 24°59 | 18°51 | 10°33 | 6°16 | 25°33 | 6°26 | 29°17 | 13°39 | 11°12 | 17° 0 | 17°21 | 23°27 | 15°12 | T 25 |
| F 26 | 0 43 3 | 8°50'39 | 7♋57 | 20°25 | 11°48 | 6°59 | 25°40 | 6°32 | 29°21 | 13°42 | 11°11 | 17°R 1 | 17°18 | 23°33 | 15°10 | F 26 |
| S 27 | 0 47 0 | 9°50'12 | 20°33 | 21°59 | 13° 4 | 7°43 | 25°48 | 6°39 | 29°25 | 13°44 | 11°10 | 17° 1 | 17°15 | 23°40 | 15° 9 | S 27 |
| S 28 | 0 50 56 | 10°49'48 | 2♌51 | 23°32 | 14°19 | 8°27 | 25°55 | 6°46 | 29°28 | 13°46 | 11° 9 | 17° 0 | 17°12 | 23°47 | 15° 7 | S 28 |
| M29 | 0 54 53 | 11°49'27 | 14°57 | 25° 4 | 15°34 | 9°10 | 26° 3 | 6°52 | 29°32 | 13°48 | 11° 8 | 16°59 | 17° 9 | 23°53 | 15° 6 | M29 |
| T 30 | 0 58 49 | 12♎49'07 | 26♌53 | 26♎36 | 16♎49 | 9♐54 | 26♐11 | 6♏59 | 29♍36 | 13♎50 | 11♉ 7 | 16♈59 | 17♈ 6 | 24♍ 0 | 15♒ 5 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n14 | 23n39 | 4n56 | 10n33 | 1n49 | 8n57 | 1n25 | 18s50 | 1s15 | 23s27 | 0s 4 | 10s52 | 2n11 | 1n31 | 0n42 | 3s31 | 1n42 | 1n10 | 14s53 | 6n52 | 7n20 | 5n53 | 9s56 | 6n28 |
| T 2 | 5 52 | 19 47 | 4 28 | 9 50 | 1 48 | 8 28 | 1 25 | 19 2 | 1 16 | 23 28 | 0 4 | 10 54 | 2 11 | 1 30 | 0 42 | 3 31 | 1 42 | 1 10 | 14 53 | 6 50 | 7 19 | 5 50 | 9 57 | 6 28 |
| W 3 | 5 29 | 15 9 | 3 50 | 9 6 | 1 46 | 7 59 | 1 25 | 19 14 | 1 16 | 23 28 | 0 4 | 10 56 | 2 11 | 1 28 | 0 42 | 3 32 | 1 42 | 1 9 | 14 53 | 6 48 | 7 18 | 5 46 | 9 58 | 6 28 |
| T 4 | 5 6 | 9 59 | 3 1 | 8 21 | 1 44 | 7 30 | 1 25 | 19 25 | 1 17 | 23 28 | 0 4 | 10 58 | 2 11 | 1 27 | 0 42 | 3 33 | 1 42 | 1 9 | 14 54 | 6 46 | 7 16 | 5 43 | 9 59 | 6 28 |
| F 5 | 4 43 | 4 30 | 2 5 | 7 36 | 1 41 | 7 1 | 1 25 | 19 36 | 1 17 | 23 28 | 0 5 | 11 0 | 2 11 | 1 25 | 0 42 | 3 34 | 1 42 | 1 9 | 14 54 | 6 44 | 7 15 | 5 40 | 10 0 | 6 27 |
| S 6 | 4 20 | 1s 9 | 1 4 | 6 50 | 1 38 | 6 32 | 1 25 | 19 48 | 1 17 | 23 29 | 0 5 | 11 2 | 2 11 | 1 24 | 0 42 | 3 35 | 1 42 | 1 8 | 14 54 | 6 44 | 7 14 | 5 36 | 10 1 | 6 27 |
| S 7 | 3 56 | 6 47 | 0s 1 | 6 4 | 1 34 | 6 2 | 1 24 | 19 59 | 1 18 | 23 29 | 0 5 | 11 4 | 2 10 | 1 22 | 0 41 | 3 35 | 1 42 | 1 8 | 14 54 | 6 43 | 7 13 | 5 33 | 10 2 | 6 27 |
| M 8 | 3 33 | 12 12 | 1 6 | 5 17 | 1 30 | 5 32 | 1 24 | 20 10 | 1 18 | 23 29 | 0 5 | 11 6 | 2 10 | 1 21 | 0 41 | 3 36 | 1 42 | 1 8 | 14 55 | 6 44 | 7 12 | 5 29 | 10 2 | 6 26 |
| T 9 | 3 10 | 17 15 | 2 8 | 4 30 | 1 26 | 5 3 | 1 24 | 20 20 | 1 18 | 23 30 | 0 5 | 11 8 | 2 10 | 1 19 | 0 41 | 3 37 | 1 42 | 1 7 | 14 55 | 6 44 | 7 10 | 5 26 | 10 3 | 6 26 |
| W10 | 2 46 | 21 41 | 3 6 | 3 43 | 1 21 | 4 32 | 1 23 | 20 31 | 1 19 | 23 30 | 0 5 | 11 10 | 2 10 | 1 18 | 0 41 | 3 38 | 1 42 | 1 7 | 14 55 | 6 45 | 7 9 | 5 23 | 10 4 | 6 26 |
| T 11 | 2 23 | 25 14 | 3 57 | 2 56 | 1 16 | 4 2 | 1 23 | 20 41 | 1 19 | 23 30 | 0 5 | 11 12 | 2 10 | 1 16 | 0 41 | 3 39 | 1 42 | 1 6 | 14 55 | 6 45 | 7 8 | 5 19 | 10 5 | 6 26 |
| F 12 | 1 59 | 27 39 | 4 37 | 2 10 | 1 11 | 3 32 | 1 22 | 20 52 | 1 19 | 23 31 | 0 5 | 11 14 | 2 10 | 1 15 | 0 41 | 3 40 | 1 42 | 1 6 | 14 55 | 6 46 | 7 7 | 5 16 | 10 6 | 6 25 |
| S 13 | 1 36 | 28 37 | 5 4 | 1 23 | 1 5 | 3 2 | 1 22 | 21 2 | 1 20 | 23 31 | 0 5 | 11 16 | 2 9 | 1 13 | 0 41 | 3 40 | 1 42 | 1 6 | 14 56 | 6 46 | 7 5 | 5 13 | 10 7 | 6 25 |
| S 14 | 1 12 | 27 55 | 5 16 | 0 36 | 0 59 | 2 31 | 1 21 | 21 12 | 1 20 | 23 31 | 0 5 | 11 19 | 2 9 | 1 12 | 0 41 | 3 41 | 1 42 | 1 5 | 14 56 | 6 45 | 7 4 | 5 9 | 10 8 | 6 25 |
| M15 | 0 49 | 25 28 | 5 9 | 0s10 | 0 53 | 2 0 | 1 20 | 21 21 | 1 20 | 23 32 | 0 6 | 11 21 | 2 9 | 1 10 | 0 41 | 3 42 | 1 42 | 1 5 | 14 56 | 6 45 | 7 3 | 5 6 | 10 9 | 6 24 |
| T 16 | 0 25 | 21 21 | 4 43 | 0 57 | 0 47 | 1 30 | 1 20 | 21 31 | 1 21 | 23 32 | 0 6 | 11 23 | 2 9 | 1 9 | 0 41 | 3 43 | 1 42 | 1 4 | 14 56 | 6 44 | 7 2 | 5 2 | 10 10 | 6 24 |
| W17 | 0 1 | 15 48 | 3 57 | 1 43 | 0 41 | 0 59 | 1 19 | 21 40 | 1 21 | 23 32 | 0 6 | 11 25 | 2 9 | 1 7 | 0 41 | 3 44 | 1 42 | 1 4 | 14 56 | 6 43 | 7 1 | 4 59 | 10 11 | 6 24 |
| T 18 | 0s22 | 9 13 | 2 55 | 2 28 | 0 34 | 0 28 | 1 18 | 21 50 | 1 21 | 23 33 | 0 6 | 11 27 | 2 9 | 1 6 | 0 41 | 3 45 | 1 42 | 1 3 | 14 56 | 6 42 | 6 59 | 4 56 | 10 11 | 6 23 |
| F 19 | 0 46 | 2 2 | 1 39 | 3 14 | 0 28 | 0s 3 | 1 17 | 21 59 | 1 22 | 23 33 | 0 6 | 11 30 | 2 9 | 1 4 | 0 41 | 3 46 | 1 42 | 1 3 | 14 57 | 6 42 | 6 58 | 4 52 | 10 12 | 6 23 |
| S 20 | 1 10 | 5n14 | 0 17 | 3 58 | 0 21 | 0 34 | 1 16 | 22 8 | 1 22 | 23 34 | 0 6 | 11 32 | 2 8 | 1 3 | 0 41 | 3 47 | 1 42 | 1 3 | 14 57 | 6 41 | 6 57 | 4 49 | 10 13 | 6 23 |
| S 21 | 1 33 | 12 9 | 1n 6 | 4 43 | 0 15 | 1 4 | 1 15 | 22 16 | 1 22 | 23 34 | 0 6 | 11 34 | 2 8 | 1 1 | 0 41 | 3 47 | 1 42 | 1 2 | 14 57 | 6 42 | 6 56 | 4 46 | 10 14 | 6 22 |
| M22 | 1 57 | 18 14 | 2 22 | 5 27 | 0 8 | 1 35 | 1 13 | 22 25 | 1 22 | 23 34 | 0 6 | 11 36 | 2 8 | 1 0 | 0 41 | 3 48 | 1 42 | 1 2 | 14 57 | 6 42 | 6 54 | 4 42 | 10 15 | 6 22 |
| T 23 | 2 21 | 23 8 | 3 28 | 6 11 | 0 1 | 2 6 | 1 12 | 22 33 | 1 23 | 23 35 | 0 6 | 11 39 | 2 8 | 0 58 | 0 41 | 3 49 | 1 42 | 1 1 | 14 57 | 6 42 | 6 53 | 4 39 | 10 16 | 6 22 |
| W24 | 2 44 | 26 34 | 4 19 | 6 54 | 0s 6 | 2 37 | 1 11 | 22 41 | 1 23 | 23 35 | 0 6 | 11 41 | 2 8 | 0 57 | 0 41 | 3 50 | 1 42 | 1 1 | 14 57 | 6 43 | 6 52 | 4 35 | 10 16 | 6 21 |
| T 25 | 3 8 | 28 22 | 4 54 | 7 37 | 0 13 | 3 8 | 1 10 | 22 49 | 1 23 | 23 35 | 0 7 | 11 43 | 2 8 | 0 55 | 0 41 | 3 51 | 1 42 | 1 1 | 14 58 | 6 43 | 6 51 | 4 32 | 10 17 | 6 21 |
| F 26 | 3 31 | 28 32 | 5 13 | 8 19 | 0 20 | 3 39 | 1 8 | 22 57 | 1 23 | 23 36 | 0 7 | 11 45 | 2 8 | 0 54 | 0 41 | 3 52 | 1 42 | 1 0 | 14 58 | 6 43 | 6 50 | 4 29 | 10 18 | 6 21 |
| S 27 | 3 55 | 27 12 | 5 17 | 9 1 | 0 27 | 4 9 | 1 7 | 23 4 | 1 23 | 23 36 | 0 7 | 11 48 | 2 8 | 0 52 | 0 41 | 3 53 | 1 42 | 1 0 | 14 58 | 6 43 | 6 48 | 4 25 | 10 19 | 6 20 |
| S 28 | 4 18 | 24 34 | 5 5 | 9 42 | 0 33 | 4 40 | 1 5 | 23 12 | 1 24 | 23 36 | 0 7 | 11 50 | 2 7 | 0 51 | 0 41 | 3 53 | 1 42 | 0 59 | 14 58 | 6 43 | 6 47 | 4 22 | 10 19 | 6 20 |
| M29 | 4 42 | 20 54 | 4 41 | 10 22 | 0 40 | 5 10 | 1 4 | 23 19 | 1 24 | 23 37 | 0 7 | 11 52 | 2 7 | 0 49 | 0 41 | 3 54 | 1 42 | 0 59 | 14 58 | 6 42 | 6 46 | 4 18 | 10 20 | 6 19 |
| T 30 | 5s 5 | 16n26 | 4n 4 | 11s 2 | 0s47 | 5s41 | 1n 2 | 23s26 | 1s24 | 23s37 | 0s 7 | 11s54 | 2n 7 | 0n48 | 0n41 | 3s55 | 1n42 | 0n59 | 14s58 | 6n42 | 6n45 | 4n15 | 10s21 | 6n19 |

Julian Day Number = 2134033.5, Delta T = 16m10s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'13, Lahiri = 11°44'14 Julian Calendar 1 Sept. 1130 == Greg. Calendar 8 Sept. 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## OCTOBER 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 2 46 | 13♎48'49 | 8♍43 | 28♎ 7 | 18♎ 4 | 10♐38 | 26♐19 | 7♏ 6 | 29♍40 | 13♎53 | 11°R 6 | 16°R58 | 17♈ 2 | 24♍ 6 | 15°R 4 | W 1 |
| T 2 | 1 6 42 | 14°48'34 | 20°31 | 29°38 | 19°19 | 11°22 | 26°28 | 7°12 | 29°43 | 13°55 | 11♉ 5 | 16♈58 | 16°59 | 24°13 | 15♒ 3 | T 2 |
| F 3 | 1 10 39 | 15°48'21 | 2♎19 | 1♏ 7 | 20°34 | 12° 6 | 26°36 | 7°19 | 29°47 | 13°57 | 11° 4 | 16°58 | 16°56 | 24°20 | 15° 2 | F 3 |
| S 4 | 1 14 36 | 16°48'10 | 14°10 | 2°37 | 21°50 | 12°51 | 26°44 | 7°26 | 29°51 | 13°59 | 11° 3 | 16°58 | 16°53 | 24°26 | 15° 1 | S 4 |
| S 5 | 1 18 32 | 17°48'01 | 26° 6 | 4° 5 | 23° 5 | 13°35 | 26°53 | 7°33 | 29°54 | 14° 2 | 11° 2 | 16°58 | 16°50 | 24°33 | 15° 0 | S 5 |
| M 6 | 1 22 29 | 18°47'54 | 8♏ 9 | 5°33 | 24°20 | 14°19 | 27° 2 | 7°40 | 29°58 | 14° 4 | 11° 1 | 16°58 | 16°46 | 24°40 | 14°59 | M 6 |
| T 7 | 1 26 25 | 19°47'49 | 20°21 | 7° 1 | 25°35 | 15° 4 | 27°11 | 7°47 | 0♎ 2 | 14° 6 | 11° 0 | 16°57 | 16°43 | 24°46 | 14°58 | T 7 |
| W 8 | 1 30 22 | 20°47'46 | 2♐43 | 8°27 | 26°50 | 15°48 | 27°20 | 7°54 | 0° 5 | 14° 8 | 10°59 | 16°57 | 16°40 | 24°53 | 14°57 | W 8 |
| T 9 | 1 34 18 | 21°47'44 | 15°18 | 9°54 | 28° 5 | 16°33 | 27°29 | 8° 0 | 0° 9 | 14°11 | 10°58 | 16°56 | 16°37 | 25° 0 | 14°57 | T 9 |
| F 10 | 1 38 15 | 22°47'45 | 28° 9 | 11°19 | 29°21 | 17°18 | 27°38 | 8° 7 | 0°12 | 14°13 | 10°57 | 16°56 | 16°34 | 25° 6 | 14°56 | F 10 |
| S 11 | 1 42 11 | 23°47'47 | 11♑17 | 12°43 | 0♏36 | 18° 2 | 27°48 | 8°14 | 0°16 | 14°15 | 10°56 | 16°55 | 16°31 | 25°13 | 14°56 | S 11 |
| S 12 | 1 46 8 | 24°47'51 | 24°45 | 14° 7 | 1°51 | 18°47 | 27°57 | 8°21 | 0°19 | 14°17 | 10°55 | 16°D55 | 16°27 | 25°20 | 14°55 | S 12 |
| M13 | 1 50 5 | 25°47'56 | 8♒34 | 15°30 | 3° 6 | 19°32 | 28° 7 | 8°28 | 0°23 | 14°20 | 10°54 | 16°55 | 16°24 | 25°26 | 14°55 | M13 |
| T 14 | 1 54 1 | 26°48'03 | 22°43 | 16°52 | 4°21 | 20°17 | 28°17 | 8°35 | 0°26 | 14°22 | 10°52 | 16°56 | 16°21 | 25°33 | 14°54 | T 14 |
| W15 | 1 57 58 | 27°48'11 | 7♓13 | 18°13 | 5°37 | 21° 2 | 28°27 | 8°42 | 0°30 | 14°24 | 10°51 | 16°57 | 16°18 | 25°40 | 14°54 | W15 |
| T 16 | 2 1 54 | 28°48'21 | 21°59 | 19°33 | 6°52 | 21°47 | 28°37 | 8°49 | 0°33 | 14°26 | 10°50 | 16°58 | 16°15 | 25°46 | 14°54 | T 16 |
| F 17 | 2 5 51 | 29°48'33 | 6♈55 | 20°52 | 8° 7 | 22°32 | 28°47 | 8°57 | 0°37 | 14°28 | 10°49 | 16°58 | 16°11 | 25°53 | 14°54 | F 17 |
| S 18 | 2 9 47 | 0♏48'46 | 21°55 | 22°10 | 9°22 | 23°17 | 28°57 | 9° 4 | 0°40 | 14°30 | 10°48 | 16°R59 | 16° 8 | 26° 0 | 14°54 | S 18 |
| S 19 | 2 13 44 | 1°49'01 | 6♉49 | 23°26 | 10°37 | 24° 3 | 29° 8 | 9°11 | 0°44 | 14°33 | 10°47 | 16°58 | 16° 5 | 26° 6 | 14°D54 | S 19 |
| M20 | 2 17 40 | 2°49'18 | 21°31 | 24°41 | 11°53 | 24°48 | 29°18 | 9°18 | 0°47 | 14°35 | 10°46 | 16°56 | 16° 2 | 26°13 | 14°54 | M20 |
| T 21 | 2 21 37 | 3°49'37 | 5♊52 | 25°54 | 13° 8 | 25°33 | 29°28 | 9°25 | 0°50 | 14°37 | 10°45 | 16°54 | 15°59 | 26°20 | 14°54 | T 21 |
| W22 | 2 25 33 | 4°49'58 | 19°49 | 27° 5 | 14°23 | 26°19 | 29°39 | 9°32 | 0°54 | 14°39 | 10°44 | 16°52 | 15°56 | 26°26 | 14°54 | W22 |
| T 23 | 2 29 30 | 5°50'21 | 3♋19 | 28°14 | 15°38 | 27° 4 | 29°50 | 9°39 | 0°57 | 14°41 | 10°43 | 16°49 | 15°52 | 26°33 | 14°54 | T 23 |
| F 24 | 2 33 27 | 6°50'45 | 16°24 | 29°21 | 16°53 | 27°50 | 0♑ 1 | 9°46 | 1° 0 | 14°43 | 10°41 | 16°47 | 15°49 | 26°40 | 14°54 | F 24 |
| S 25 | 2 37 23 | 7°51'12 | 29° 4 | 0♐25 | 18° 9 | 28°35 | 0°12 | 9°53 | 1° 3 | 14°45 | 10°40 | 16°46 | 15°46 | 26°46 | 14°55 | S 25 |
| S 26 | 2 41 20 | 8°51'41 | 11♌24 | 1°25 | 19°24 | 29°21 | 0°23 | 10° 0 | 1° 7 | 14°48 | 10°39 | 16°D46 | 15°43 | 26°53 | 14°55 | S 26 |
| M27 | 2 45 16 | 9°52'11 | 23°29 | 2°23 | 20°39 | 0♑ 6 | 0°34 | 10° 8 | 1°10 | 14°50 | 10°38 | 16°47 | 15°40 | 27° 0 | 14°56 | M27 |
| T 28 | 2 49 13 | 10°52'43 | 5♍23 | 3°16 | 21°54 | 0°52 | 0°45 | 10°15 | 1°13 | 14°52 | 10°37 | 16°48 | 15°37 | 27° 6 | 14°56 | T 28 |
| W29 | 2 53 9 | 11°53'17 | 17°12 | 4° 6 | 23° 9 | 1°38 | 0°56 | 10°22 | 1°16 | 14°54 | 10°36 | 16°50 | 15°33 | 27°13 | 14°57 | W29 |
| T 30 | 2 57 6 | 12°53'53 | 28°59 | 4°50 | 24°25 | 2°24 | 1° 8 | 10°29 | 1°19 | 14°56 | 10°35 | 16°52 | 15°30 | 27°19 | 14°58 | T 30 |
| F 31 | 3 1 2 | 13♏54'31 | 10♎49 | 5♐29 | 25♏40 | 3♑10 | 1♑19 | 10♏36 | 1♎22 | 14♎58 | 10♉33 | 16°R53 | 15♈27 | 27♍26 | 14♒58 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s29 | 11n23 | 3n17 | 11s42 | 0s54 | 6s11 | 1n 1 | 23s32 | 1s24 | 23s37 | 0s 7 | 11s57 | 2n 7 | 0n46 | 0n41 | 3s56 | 1n42 | 0n58 | 14s58 | 6n42 | 6n43 | 4n12 | 10s21 | 6n19 |
| T 2 | 5 52 | 5 57 | 2 22 | 12 20 | 1 1 | 6 41 | 0 59 | 23 39 | 1 24 | 23 38 | 0 7 | 11 59 | 2 7 | 0 45 | 0 41 | 3 57 | 1 42 | 0 58 | 14 59 | 6 42 | 6 42 | 4 8 | 10 22 | 6 18 |
| F 3 | 6 15 | 0 18 | 1 20 | 12 58 | 1 7 | 7 11 | 0 57 | 23 45 | 1 24 | 23 38 | 0 7 | 12 1 | 2 7 | 0 43 | 0 41 | 3 58 | 1 42 | 0 57 | 14 59 | 6 42 | 6 41 | 4 5 | 10 23 | 6 18 |
| S 4 | 6 38 | 5s23 | 0 16 | 13 36 | 1 14 | 7 41 | 0 55 | 23 51 | 1 25 | 23 38 | 0 7 | 12 4 | 2 7 | 0 42 | 0 42 | 3 59 | 1 42 | 0 57 | 14 59 | 6 42 | 6 40 | 4 1 | 10 23 | 6 17 |
| S 5 | 7 1 | 10 55 | 0s51 | 14 12 | 1 20 | 8 11 | 0 54 | 23 56 | 1 25 | 23 39 | 0 8 | 12 6 | 2 7 | 0 40 | 0 42 | 4 0 | 1 42 | 0 57 | 14 59 | 6 42 | 6 39 | 3 58 | 10 24 | 6 17 |
| M 6 | 7 24 | 16 6 | 1 55 | 14 48 | 1 27 | 8 40 | 0 52 | 24 2 | 1 25 | 23 39 | 0 8 | 12 8 | 2 7 | 0 39 | 0 42 | 4 0 | 1 42 | 0 56 | 14 59 | 6 42 | 6 37 | 3 55 | 10 25 | 6 17 |
| T 7 | 7 47 | 20 44 | 2 55 | 15 23 | 1 33 | 9 10 | 0 50 | 24 7 | 1 25 | 23 39 | 0 8 | 12 11 | 2 7 | 0 37 | 0 42 | 4 1 | 1 42 | 0 56 | 14 59 | 6 42 | 6 36 | 3 51 | 10 25 | 6 16 |
| W 8 | 8 9 | 24 31 | 3 48 | 15 57 | 1 39 | 9 39 | 0 48 | 24 12 | 1 25 | 23 39 | 0 8 | 12 13 | 2 6 | 0 36 | 0 42 | 4 2 | 1 42 | 0 55 | 14 59 | 6 41 | 6 35 | 3 48 | 10 26 | 6 16 |
| T 9 | 8 32 | 27 13 | 4 30 | 16 30 | 1 45 | 10 8 | 0 46 | 24 17 | 1 25 | 23 40 | 0 8 | 12 15 | 2 6 | 0 35 | 0 42 | 4 3 | 1 42 | 0 55 | 14 59 | 6 41 | 6 34 | 3 44 | 10 27 | 6 15 |
| F 10 | 8 54 | 28 33 | 5 1 | 17 3 | 1 51 | 10 37 | 0 44 | 24 21 | 1 25 | 23 40 | 0 8 | 12 17 | 2 6 | 0 33 | 0 42 | 4 4 | 1 42 | 0 55 | 14 59 | 6 41 | 6 32 | 3 41 | 10 27 | 6 15 |
| S 11 | 9 17 | 28 19 | 5 16 | 17 34 | 1 56 | 11 5 | 0 42 | 24 26 | 1 25 | 23 40 | 0 8 | 12 20 | 2 6 | 0 32 | 0 42 | 4 5 | 1 42 | 0 54 | 14 59 | 6 41 | 6 31 | 3 38 | 10 28 | 6 15 |
| S 12 | 9 39 | 26 26 | 5 14 | 18 5 | 2 1 | 11 33 | 0 40 | 24 30 | 1 25 | 23 40 | 0 8 | 12 22 | 2 6 | 0 30 | 0 42 | 4 6 | 1 42 | 0 54 | 14 59 | 6 41 | 6 30 | 3 34 | 10 28 | 6 14 |
| M13 | 10 1 | 22 57 | 4 55 | 18 35 | 2 7 | 12 1 | 0 38 | 24 33 | 1 25 | 23 41 | 0 8 | 12 24 | 2 6 | 0 29 | 0 42 | 4 6 | 1 42 | 0 54 | 14 59 | 6 41 | 6 29 | 3 31 | 10 29 | 6 14 |
| T 14 | 10 23 | 18 4 | 4 18 | 19 3 | 2 11 | 12 29 | 0 36 | 24 37 | 1 25 | 23 41 | 0 8 | 12 27 | 2 6 | 0 28 | 0 42 | 4 7 | 1 42 | 0 53 | 15 0 | 6 41 | 6 28 | 3 27 | 10 29 | 6 13 |
| W15 | 10 45 | 12 2 | 3 23 | 19 31 | 2 16 | 12 56 | 0 33 | 24 40 | 1 25 | 23 41 | 0 8 | 12 29 | 2 6 | 0 26 | 0 42 | 4 8 | 1 42 | 0 53 | 15 0 | 6 41 | 6 26 | 3 24 | 10 30 | 6 13 |
| T 16 | 11 6 | 5 15 | 2 14 | 19 57 | 2 20 | 13 23 | 0 31 | 24 43 | 1 25 | 23 41 | 0 9 | 12 31 | 2 6 | 0 25 | 0 42 | 4 9 | 1 42 | 0 53 | 15 0 | 6 42 | 6 25 | 3 21 | 10 30 | 6 13 |
| F 17 | 11 28 | 1n55 | 0 55 | 20 23 | 2 24 | 13 49 | 0 29 | 24 46 | 1 25 | 23 42 | 0 9 | 12 34 | 2 6 | 0 23 | 0 42 | 4 10 | 1 42 | 0 52 | 15 0 | 6 42 | 6 24 | 3 17 | 10 31 | 6 12 |
| S 18 | 11 49 | 9 0 | 0n27 | 20 47 | 2 28 | 14 16 | 0 27 | 24 48 | 1 25 | 23 42 | 0 9 | 12 36 | 2 6 | 0 22 | 0 42 | 4 11 | 1 42 | 0 52 | 15 0 | 6 42 | 6 23 | 3 14 | 10 31 | 6 12 |
| S 19 | 12 10 | 15 33 | 1 48 | 21 10 | 2 31 | 14 42 | 0 24 | 24 50 | 1 25 | 23 42 | 0 9 | 12 38 | 2 6 | 0 21 | 0 42 | 4 11 | 1 42 | 0 51 | 15 0 | 6 42 | 6 21 | 3 10 | 10 31 | 6 11 |
| M20 | 12 31 | 21 7 | 3 0 | 21 31 | 2 34 | 15 7 | 0 22 | 24 52 | 1 25 | 23 42 | 0 9 | 12 41 | 2 6 | 0 19 | 0 42 | 4 12 | 1 42 | 0 51 | 15 0 | 6 41 | 6 20 | 3 7 | 10 32 | 6 11 |
| T 21 | 12 51 | 25 18 | 3 59 | 21 52 | 2 37 | 15 32 | 0 20 | 24 54 | 1 25 | 23 42 | 0 9 | 12 43 | 2 6 | 0 18 | 0 42 | 4 13 | 1 42 | 0 51 | 15 0 | 6 40 | 6 19 | 3 3 | 10 32 | 6 10 |
| W22 | 13 12 | 27 50 | 4 41 | 22 11 | 2 39 | 15 57 | 0 17 | 24 55 | 1 25 | 23 42 | 0 9 | 12 45 | 2 6 | 0 17 | 0 42 | 4 14 | 1 42 | 0 50 | 15 0 | 6 39 | 6 18 | 3 0 | 10 33 | 6 10 |
| T 23 | 13 32 | 28 38 | 5 7 | 22 28 | 2 40 | 16 22 | 0 15 | 24 57 | 1 25 | 23 42 | 0 9 | 12 47 | 2 6 | 0 16 | 0 42 | 4 15 | 1 42 | 0 50 | 15 0 | 6 39 | 6 17 | 2 57 | 10 33 | 6 10 |
| F 24 | 13 52 | 27 46 | 5 16 | 22 44 | 2 41 | 16 46 | 0 13 | 24 57 | 1 25 | 23 42 | 0 9 | 12 50 | 2 5 | 0 14 | 0 42 | 4 15 | 1 42 | 0 50 | 15 0 | 6 38 | 6 15 | 2 53 | 10 33 | 6 9 |
| S 25 | 14 12 | 25 28 | 5 9 | 22 58 | 2 42 | 17 9 | 0 10 | 24 58 | 1 25 | 23 43 | 0 9 | 12 52 | 2 5 | 0 13 | 0 42 | 4 16 | 1 42 | 0 49 | 15 0 | 6 37 | 6 14 | 2 50 | 10 33 | 6 9 |
| S 26 | 14 31 | 22 2 | 4 47 | 23 10 | 2 41 | 17 32 | 0 8 | 24 58 | 1 25 | 23 43 | 0 9 | 12 54 | 2 5 | 0 12 | 0 42 | 4 17 | 1 42 | 0 49 | 15 0 | 6 37 | 6 13 | 2 46 | 10 34 | 6 8 |
| M27 | 14 51 | 17 44 | 4 13 | 23 21 | 2 40 | 17 55 | 0 5 | 24 58 | 1 25 | 23 43 | 0 9 | 12 56 | 2 5 | 0 10 | 0 42 | 4 18 | 1 42 | 0 49 | 15 0 | 6 37 | 6 12 | 2 43 | 10 34 | 6 8 |
| T 28 | 15 10 | 12 49 | 3 29 | 23 30 | 2 38 | 18 17 | 0 3 | 24 58 | 1 25 | 23 43 | 0 10 | 12 59 | 2 5 | 0 9 | 0 42 | 4 19 | 1 42 | 0 49 | 15 0 | 6 38 | 6 10 | 2 39 | 10 34 | 6 8 |
| W29 | 15 29 | 7 29 | 2 36 | 23 37 | 2 35 | 18 39 | 0 0 | 24 57 | 1 25 | 23 43 | 0 10 | 13 1 | 2 5 | 0 8 | 0 42 | 4 19 | 1 42 | 0 48 | 15 0 | 6 39 | 6 9 | 2 36 | 10 34 | 6 7 |
| T 30 | 15 47 | 1 53 | 1 37 | 23 41 | 2 32 | 19 0 | 0s 2 | 24 57 | 1 25 | 23 43 | 0 10 | 13 3 | 2 5 | 0 7 | 0 42 | 4 20 | 1 43 | 0 48 | 15 0 | 6 39 | 6 8 | 2 33 | 10 35 | 6 7 |
| F 31 | 16s 5 | 3s48 | 0n33 | 23s44 | 2s27 | 19s20 | 0s 4 | 24s56 | 1s25 | 23s43 | 0s10 | 13s 5 | 2n 5 | 0n 6 | 0n42 | 4s21 | 1n43 | 0n48 | 15s 0 | 6n40 | 6n 7 | 2n29 | 10s35 | 6n 6 |

Julian Day Number = 2134063.5, Delta T = 16m10s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'17, Lahiri = 11°44'18 Julian Calendar 1 Oct. 1130 == Greg. Calendar 8 Oct. 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## NOVEMBER 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 4 59 | 14♏55'10 | 22♎46 | 6♐ 1 | 26♏55 | 3♑56 | 1♑31 | 10♏43 | 1♎25 | 15♎ 0 | 10°R32 | 16°R53 | 15♈24 | 27♍33 | 14♒59 | S 1 |
| S 2 | 3 8 56 | 15°55'51 | 4♏51 | 6°27 | 28°10 | 4°42 | 1°43 | 10°50 | 1°28 | 15° 2 | 10♉31 | 16♈51 | 15°21 | 27°39 | 15° 0 | S 2 |
| M 3 | 3 12 52 | 16°56'33 | 17° 7 | 6°44 | 29°25 | 5°28 | 1°54 | 10°57 | 1°31 | 15° 4 | 10°30 | 16°48 | 15°17 | 27°46 | 15° 1 | M 3 |
| T 4 | 3 16 49 | 17°57'17 | 29°35 | 6°54 | 0♐41 | 6°14 | 2° 6 | 11° 5 | 1°34 | 15° 6 | 10°29 | 16°44 | 15°14 | 27°53 | 15° 2 | T 4 |
| W 5 | 3 20 45 | 18°58'02 | 12♐16 | 6°R54 | 1°56 | 7° 0 | 2°18 | 11°12 | 1°37 | 15° 8 | 10°28 | 16°38 | 15°11 | 27°59 | 15° 3 | W 5 |
| T 6 | 3 24 42 | 19°58'49 | 25°10 | 6°44 | 3°11 | 7°46 | 2°30 | 11°19 | 1°40 | 15°10 | 10°27 | 16°32 | 15° 8 | 28° 6 | 15° 4 | T 6 |
| F 7 | 3 28 38 | 20°59'36 | 8♑18 | 6°24 | 4°26 | 8°32 | 2°42 | 11°26 | 1°43 | 15°12 | 10°26 | 16°27 | 15° 5 | 28°13 | 15° 5 | F 7 |
| S 8 | 3 32 35 | 22° 0'25 | 21°38 | 5°52 | 5°41 | 9°19 | 2°54 | 11°33 | 1°45 | 15°13 | 10°25 | 16°22 | 15° 2 | 28°19 | 15° 6 | S 8 |
| S 9 | 3 36 32 | 23° 1'15 | 5♒10 | 5°10 | 6°57 | 10° 5 | 3° 7 | 11°40 | 1°48 | 15°15 | 10°23 | 16°19 | 14°58 | 28°26 | 15° 8 | S 9 |
| M10 | 3 40 28 | 24° 2'06 | 18°56 | 4°18 | 8°12 | 10°51 | 3°19 | 11°47 | 1°51 | 15°17 | 10°22 | 16°D18 | 14°55 | 28°33 | 15° 9 | M10 |
| T 11 | 3 44 25 | 25° 2'58 | 2♓55 | 3°15 | 9°27 | 11°38 | 3°31 | 11°54 | 1°53 | 15°19 | 10°21 | 16°18 | 14°52 | 28°39 | 15°10 | T 11 |
| W12 | 3 48 21 | 26° 3'50 | 17° 6 | 2° 4 | 10°42 | 12°24 | 3°44 | 12° 1 | 1°56 | 15°21 | 10°20 | 16°19 | 14°49 | 28°46 | 15°12 | W12 |
| T 13 | 3 52 18 | 27° 4'43 | 1♈28 | 0°47 | 11°57 | 13°11 | 3°56 | 12° 8 | 1°58 | 15°23 | 10°19 | 16°20 | 14°46 | 28°53 | 15°14 | T 13 |
| F 14 | 3 56 14 | 28° 5'37 | 15°58 | 29♏25 | 13°12 | 13°57 | 4° 9 | 12°15 | 2° 1 | 15°24 | 10°18 | 16°R21 | 14°43 | 28°59 | 15°15 | F 14 |
| S 15 | 4 0 11 | 29° 6'32 | 0♉32 | 28° 3 | 14°28 | 14°43 | 4°22 | 12°22 | 2° 3 | 15°26 | 10°17 | 16°20 | 14°39 | 29° 6 | 15°17 | S 15 |
| S 16 | 4 4 7 | 0♐ 7'28 | 15° 6 | 26°41 | 15°43 | 15°30 | 4°34 | 12°29 | 2° 6 | 15°28 | 10°16 | 16°17 | 14°36 | 29°13 | 15°19 | S 16 |
| M17 | 4 8 4 | 1° 8'25 | 29°32 | 25°24 | 16°58 | 16°17 | 4°47 | 12°36 | 2° 8 | 15°30 | 10°15 | 16°12 | 14°33 | 29°19 | 15°20 | M17 |
| T 18 | 4 12 1 | 2° 9'23 | 13♊44 | 24°13 | 18°13 | 17° 3 | 5° 0 | 12°43 | 2°11 | 15°31 | 10°14 | 16° 5 | 14°30 | 29°26 | 15°22 | T 18 |
| W19 | 4 15 57 | 3°10'23 | 27°38 | 23°11 | 19°28 | 17°50 | 5°13 | 12°49 | 2°13 | 15°33 | 10°13 | 15°57 | 14°27 | 29°33 | 15°24 | W19 |
| T 20 | 4 19 54 | 4°11'23 | 11♋ 9 | 22°18 | 20°43 | 18°36 | 5°26 | 12°56 | 2°15 | 15°35 | 10°12 | 15°48 | 14°23 | 29°39 | 15°26 | T 20 |
| F 21 | 4 23 50 | 5°12'24 | 24°16 | 21°37 | 21°58 | 19°23 | 5°39 | 13° 3 | 2°17 | 15°36 | 10°11 | 15°41 | 14°20 | 29°46 | 15°28 | F 21 |
| S 22 | 4 27 47 | 6°13'26 | 7♌ 0 | 21° 7 | 23°14 | 20°10 | 5°52 | 13°10 | 2°20 | 15°38 | 10°10 | 15°35 | 14°17 | 29°52 | 15°30 | S 22 |
| S 23 | 4 31 43 | 7°14'29 | 19°24 | 20°48 | 24°29 | 20°56 | 6° 5 | 13°17 | 2°22 | 15°39 | 10° 9 | 15°31 | 14°14 | 29°59 | 15°32 | S 23 |
| M24 | 4 35 40 | 8°15'34 | 1♍30 | 20°D40 | 25°44 | 21°43 | 6°18 | 13°23 | 2°24 | 15°41 | 10° 8 | 15°29 | 14°11 | 0♎ 6 | 15°34 | M24 |
| T 25 | 4 39 36 | 9°16'39 | 13°25 | 20°42 | 26°59 | 22°30 | 6°31 | 13°30 | 2°26 | 15°42 | 10° 7 | 15°D28 | 14° 8 | 0°12 | 15°37 | T 25 |
| W26 | 4 43 33 | 10°17'45 | 25°14 | 20°54 | 28°14 | 23°17 | 6°45 | 13°37 | 2°28 | 15°44 | 10° 6 | 15°29 | 14° 4 | 0°19 | 15°39 | W26 |
| T 27 | 4 47 30 | 11°18'52 | 7♎ 1 | 21°15 | 29°29 | 24° 4 | 6°58 | 13°43 | 2°30 | 15°45 | 10° 5 | 15°30 | 14° 1 | 0°26 | 15°41 | T 27 |
| F 28 | 4 51 26 | 12°20'00 | 18°53 | 21°43 | 0♑44 | 24°50 | 7°11 | 13°50 | 2°32 | 15°47 | 10° 4 | 15°R31 | 13°58 | 0°32 | 15°44 | F 28 |
| S 29 | 4 55 23 | 13°21'09 | 0♏54 | 22°19 | 1°59 | 25°37 | 7°25 | 13°56 | 2°33 | 15°48 | 10° 3 | 15°29 | 13°55 | 0°39 | 15°46 | S 29 |
| S 30 | 4 59 19 | 14♐22'18 | 13♏ 7 | 23♏ 1 | 3♑14 | 26♑24 | 7♑38 | 14♏ 3 | 2♎35 | 15♎50 | 10♉ 2 | 15♈25 | 13♈52 | 0♎46 | 15♒48 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ⚷ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s23 | 9s24 | 0s32 | 23s44 | 2s21 | 19s40 | 0s 7 | 24s54 | 1s24 | 23s43 | 0s10 | 13s 8 | 2n 5 | 0n 4 | 0n42 | 4s22 | 1n43 | 0n47 | 15s 0 | 6n40 | 6n 5 | 2n26 | 10s35 | 6n 6 |
| S 2 | 16 41 | 14 43 | 1 37 | 23 41 | 2 14 | 20 0 | 0 9 | 24 53 | 1 24 | 23 43 | 0 10 | 13 10 | 2 5 | 0 3 | 0 42 | 4 22 | 1 43 | 0 47 | 14 59 | 6 39 | 6 4 | 2 22 | 10 35 | 6 5 |
| M 3 | 16 59 | 19 33 | 2 38 | 23 36 | 2 5 | 20 19 | 0 12 | 24 51 | 1 24 | 23 43 | 0 10 | 13 12 | 2 5 | 0 2 | 0 42 | 4 23 | 1 43 | 0 47 | 14 59 | 6 38 | 6 3 | 2 19 | 10 35 | 6 5 |
| T 4 | 17 16 | 23 37 | 3 33 | 23 28 | 1 55 | 20 37 | 0 14 | 24 48 | 1 24 | 23 42 | 0 10 | 13 14 | 2 5 | 0 1 | 0 42 | 4 24 | 1 43 | 0 47 | 14 59 | 6 36 | 6 2 | 2 16 | 10 35 | 6 5 |
| W 5 | 17 33 | 26 38 | 4 18 | 23 16 | 1 44 | 20 55 | 0 17 | 24 46 | 1 24 | 23 42 | 0 10 | 13 17 | 2 5 | 0s 0 | 0 42 | 4 25 | 1 43 | 0 46 | 14 59 | 6 34 | 6 1 | 2 12 | 10 36 | 6 4 |
| T 6 | 17 49 | 28 18 | 4 50 | 23 2 | 1 31 | 21 12 | 0 19 | 24 43 | 1 24 | 23 42 | 0 10 | 13 19 | 2 5 | 0 1 | 0 42 | 4 25 | 1 43 | 0 46 | 14 59 | 6 32 | 5 59 | 2 9 | 10 36 | 6 4 |
| F 7 | 18 5 | 28 25 | 5 8 | 22 44 | 1 17 | 21 29 | 0 22 | 24 40 | 1 24 | 23 42 | 0 10 | 13 21 | 2 5 | 0 2 | 0 42 | 4 26 | 1 43 | 0 46 | 14 59 | 6 30 | 5 58 | 2 5 | 10 36 | 6 3 |
| S 8 | 18 21 | 26 54 | 5 10 | 22 23 | 1 1 | 21 45 | 0 24 | 24 37 | 1 23 | 23 42 | 0 11 | 13 23 | 2 5 | 0 3 | 0 42 | 4 27 | 1 43 | 0 46 | 14 59 | 6 28 | 5 57 | 2 2 | 10 36 | 6 3 |
| S 9 | 18 37 | 23 50 | 4 55 | 21 58 | 0 43 | 22 1 | 0 26 | 24 33 | 1 23 | 23 42 | 0 11 | 13 25 | 2 5 | 0 5 | 0 42 | 4 27 | 1 43 | 0 45 | 14 59 | 6 27 | 5 56 | 1 58 | 10 36 | 6 3 |
| M10 | 18 52 | 19 22 | 4 22 | 21 30 | 0 24 | 22 15 | 0 29 | 24 29 | 1 23 | 23 41 | 0 11 | 13 27 | 2 5 | 0 6 | 0 42 | 4 28 | 1 43 | 0 45 | 14 59 | 6 26 | 5 54 | 1 55 | 10 36 | 6 2 |
| T 11 | 19 7 | 13 49 | 3 34 | 20 59 | 0 5 | 22 29 | 0 31 | 24 25 | 1 23 | 23 41 | 0 11 | 13 29 | 2 5 | 0 7 | 0 42 | 4 29 | 1 43 | 0 45 | 14 59 | 6 26 | 5 53 | 1 51 | 10 36 | 6 2 |
| W12 | 19 22 | 7 27 | 2 32 | 20 25 | 0n16 | 22 43 | 0 34 | 24 21 | 1 23 | 23 41 | 0 11 | 13 32 | 2 5 | 0 8 | 0 42 | 4 29 | 1 43 | 0 45 | 14 59 | 6 27 | 5 52 | 1 48 | 10 36 | 6 1 |
| T 13 | 19 36 | 0 38 | 1 20 | 19 49 | 0 36 | 22 56 | 0 36 | 24 16 | 1 22 | 23 41 | 0 11 | 13 34 | 2 5 | 0 9 | 0 42 | 4 30 | 1 43 | 0 44 | 14 59 | 6 27 | 5 51 | 1 45 | 10 36 | 6 1 |
| F 14 | 19 50 | 6n17 | 0 2 | 19 12 | 0 56 | 23 8 | 0 38 | 24 11 | 1 22 | 23 40 | 0 11 | 13 36 | 2 5 | 0 10 | 0 42 | 4 31 | 1 43 | 0 44 | 14 58 | 6 28 | 5 49 | 1 41 | 10 36 | 6 1 |
| S 15 | 20 3 | 12 54 | 1n16 | 18 35 | 1 16 | 23 19 | 0 41 | 24 6 | 1 22 | 23 40 | 0 11 | 13 38 | 2 5 | 0 11 | 0 42 | 4 31 | 1 43 | 0 44 | 14 58 | 6 27 | 5 48 | 1 38 | 10 35 | 6 0 |
| S 16 | 20 16 | 18 49 | 2 29 | 17 59 | 1 34 | 23 30 | 0 43 | 24 0 | 1 22 | 23 40 | 0 11 | 13 40 | 2 5 | 0 11 | 0 42 | 4 32 | 1 43 | 0 44 | 14 58 | 6 26 | 5 47 | 1 34 | 10 35 | 6 0 |
| M17 | 20 29 | 23 36 | 3 32 | 17 25 | 1 51 | 23 40 | 0 45 | 23 54 | 1 21 | 23 39 | 0 11 | 13 42 | 2 5 | 0 12 | 0 42 | 4 33 | 1 43 | 0 44 | 14 58 | 6 24 | 5 46 | 1 31 | 10 35 | 5 59 |
| T 18 | 20 42 | 26 52 | 4 20 | 16 53 | 2 5 | 23 49 | 0 47 | 23 48 | 1 21 | 23 39 | 0 11 | 13 44 | 2 5 | 0 13 | 0 42 | 4 33 | 1 43 | 0 43 | 14 58 | 6 21 | 5 44 | 1 27 | 10 35 | 5 59 |
| W19 | 20 54 | 28 24 | 4 52 | 16 26 | 2 18 | 23 58 | 0 50 | 23 42 | 1 21 | 23 38 | 0 11 | 13 46 | 2 6 | 0 14 | 0 42 | 4 34 | 1 43 | 0 43 | 14 58 | 6 18 | 5 43 | 1 24 | 10 35 | 5 59 |
| T 20 | 21 5 | 28 10 | 5 7 | 16 3 | 2 28 | 24 5 | 0 52 | 23 35 | 1 21 | 23 38 | 0 12 | 13 48 | 2 6 | 0 15 | 0 42 | 4 34 | 1 43 | 0 43 | 14 58 | 6 15 | 5 42 | 1 21 | 10 35 | 5 58 |
| F 21 | 21 16 | 26 21 | 5 4 | 15 44 | 2 36 | 24 13 | 0 54 | 23 28 | 1 20 | 23 38 | 0 12 | 13 50 | 2 6 | 0 16 | 0 42 | 4 35 | 1 43 | 0 43 | 14 57 | 6 12 | 5 41 | 1 17 | 10 34 | 5 58 |
| S 22 | 21 27 | 23 14 | 4 47 | 15 31 | 2 42 | 24 19 | 0 56 | 23 21 | 1 20 | 23 37 | 0 12 | 13 52 | 2 6 | 0 17 | 0 43 | 4 35 | 1 43 | 0 43 | 14 57 | 6 10 | 5 40 | 1 14 | 10 34 | 5 57 |
| S 23 | 21 37 | 19 7 | 4 16 | 15 22 | 2 46 | 24 25 | 0 58 | 23 14 | 1 20 | 23 37 | 0 12 | 13 54 | 2 6 | 0 18 | 0 43 | 4 36 | 1 43 | 0 43 | 14 57 | 6 8 | 5 38 | 1 10 | 10 34 | 5 57 |
| M24 | 21 47 | 14 19 | 3 34 | 15 18 | 2 48 | 24 29 | 1 0 | 23 6 | 1 19 | 23 36 | 0 12 | 13 56 | 2 6 | 0 18 | 0 43 | 4 37 | 1 44 | 0 43 | 14 57 | 6 7 | 5 37 | 1 7 | 10 34 | 5 57 |
| T 25 | 21 57 | 9 4 | 2 44 | 15 18 | 2 48 | 24 33 | 1 2 | 22 58 | 1 19 | 23 36 | 0 12 | 13 58 | 2 6 | 0 19 | 0 43 | 4 37 | 1 44 | 0 42 | 14 57 | 6 7 | 5 36 | 1 3 | 10 33 | 5 56 |
| W26 | 22 6 | 3 32 | 1 47 | 15 23 | 2 47 | 24 37 | 1 4 | 22 50 | 1 19 | 23 35 | 0 12 | 14 0 | 2 6 | 0 20 | 0 43 | 4 38 | 1 44 | 0 42 | 14 57 | 6 8 | 5 35 | 1 0 | 10 33 | 5 56 |
| T 27 | 22 15 | 2s 6 | 0 45 | 15 30 | 2 45 | 24 39 | 1 6 | 22 41 | 1 18 | 23 34 | 0 12 | 14 2 | 2 6 | 0 21 | 0 43 | 4 38 | 1 44 | 0 42 | 14 56 | 6 8 | 5 33 | 0 56 | 10 33 | 5 56 |
| F 28 | 22 23 | 7 43 | 0s18 | 15 41 | 2 42 | 24 41 | 1 8 | 22 33 | 1 18 | 23 34 | 0 12 | 14 4 | 2 6 | 0 21 | 0 43 | 4 39 | 1 44 | 0 42 | 14 56 | 6 8 | 5 32 | 0 53 | 10 32 | 5 55 |
| S 29 | 22 31 | 13 7 | 1 22 | 15 54 | 2 37 | 24 42 | 1 10 | 22 24 | 1 18 | 23 33 | 0 12 | 14 6 | 2 6 | 0 22 | 0 43 | 4 39 | 1 44 | 0 42 | 14 56 | 6 8 | 5 31 | 0 50 | 10 32 | 5 55 |
| S 30 | 22s38 | 18s 7 | 2s22 | 16s 9 | 2n32 | 24s43 | 1s12 | 22s14 | 1s17 | 23s32 | 0s12 | 14s 7 | 2n 6 | 0s23 | 0n43 | 4s40 | 1n44 | 0n42 | 14s56 | 6n 6 | 5n30 | 0n46 | 10s32 | 5n55 |

Julian Day Number = 2134094.5, Delta T = 16m10s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'22, Lahiri = 11°44'22 Julian Calendar 1 Nov. 1130 == Greg. Calendar 8 Nov. 1130


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# ASTRODIENST EPHEMERIS for the year 1130
# geocentric

## DECEMBER 1130 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 3 16 | 15♐23'29 | 25♏36 | 23♏49 | 4♑29 | 27♑11 | 7♑52 | 14♏ 9 | 2♎37 | 15♎51 | 10°R 1 | 15°R19 | 13♈49 | 0♎52 | 15♒51 | M 1 |
| T 2 | 5 7 12 | 16°24'40 | 8♐22 | 24°42 | 5°44 | 27°58 | 8° 5 | 14°16 | 2°39 | 15°52 | 10♉ 0 | 15♈10 | 13°45 | 0°59 | 15°54 | T 2 |
| W 3 | 5 11 9 | 17°25'51 | 21°25 | 25°39 | 6°59 | 28°45 | 8°19 | 14°22 | 2°40 | 15°54 | 9°59 | 14°59 | 13°42 | 1° 6 | 15°56 | W 3 |
| T 4 | 5 15 5 | 18°27'03 | 4♑43 | 26°40 | 8°14 | 29°32 | 8°32 | 14°28 | 2°42 | 15°55 | 9°59 | 14°48 | 13°39 | 1°12 | 15°59 | T 4 |
| F 5 | 5 19 2 | 19°28'15 | 18°16 | 27°44 | 9°30 | 0♒19 | 8°46 | 14°35 | 2°43 | 15°56 | 9°58 | 14°36 | 13°36 | 1°19 | 16° 2 | F 5 |
| S 6 | 5 22 59 | 20°29'27 | 1♒59 | 28°51 | 10°45 | 1° 6 | 9° 0 | 14°41 | 2°45 | 15°57 | 9°57 | 14°27 | 13°33 | 1°26 | 16° 4 | S 6 |
| S 7 | 5 26 55 | 21°30'40 | 15°50 | 0♐ 1 | 12° 0 | 1°53 | 9°13 | 14°47 | 2°46 | 15°59 | 9°56 | 14°19 | 13°29 | 1°32 | 16° 7 | S 7 |
| M 8 | 5 30 52 | 22°31'52 | 29°47 | 1°14 | 13°15 | 2°40 | 9°27 | 14°53 | 2°48 | 16° 0 | 9°55 | 14°15 | 13°26 | 1°39 | 16°10 | M 8 |
| T 9 | 5 34 48 | 23°33'04 | 13♓48 | 2°28 | 14°29 | 3°27 | 9°41 | 14°59 | 2°49 | 16° 1 | 9°55 | 14°12 | 13°23 | 1°46 | 16°13 | T 9 |
| W10 | 5 38 45 | 24°34'16 | 27°52 | 3°44 | 15°44 | 4°14 | 9°55 | 15° 6 | 2°50 | 16° 2 | 9°54 | 14°D12 | 13°20 | 1°52 | 16°16 | W10 |
| T 11 | 5 42 41 | 25°35'28 | 11♈58 | 5° 2 | 16°59 | 5° 1 | 10° 9 | 15°12 | 2°51 | 16° 3 | 9°53 | 14°R12 | 13°17 | 1°59 | 16°19 | T 11 |
| F 12 | 5 46 38 | 26°36'40 | 26° 5 | 6°21 | 18°14 | 5°48 | 10°22 | 15°18 | 2°53 | 16° 4 | 9°52 | 14°12 | 13°14 | 2° 5 | 16°22 | F 12 |
| S 13 | 5 50 34 | 27°37'51 | 10♉13 | 7°42 | 19°29 | 6°35 | 10°36 | 15°23 | 2°54 | 16° 5 | 9°52 | 14°10 | 13°10 | 2°12 | 16°25 | S 13 |
| S 14 | 5 54 31 | 28°39'02 | 24°18 | 9° 3 | 20°44 | 7°22 | 10°50 | 15°29 | 2°55 | 16° 6 | 9°51 | 14° 4 | 13° 7 | 2°19 | 16°28 | S 14 |
| M15 | 5 58 28 | 29°40'14 | 8♊18 | 10°26 | 21°59 | 8° 9 | 11° 4 | 15°35 | 2°56 | 16° 7 | 9°50 | 13°56 | 13° 4 | 2°25 | 16°32 | M15 |
| T 16 | 6 2 24 | 0♑41'25 | 22° 8 | 11°50 | 23°14 | 8°56 | 11°18 | 15°41 | 2°57 | 16° 8 | 9°50 | 13°45 | 13° 1 | 2°32 | 16°35 | T 16 |
| W17 | 6 6 21 | 1°42'36 | 5♋44 | 13°14 | 24°29 | 9°43 | 11°32 | 15°46 | 2°57 | 16° 9 | 9°49 | 13°33 | 12°58 | 2°39 | 16°38 | W17 |
| T 18 | 6 10 17 | 2°43'46 | 19° 4 | 14°40 | 25°43 | 10°30 | 11°46 | 15°52 | 2°58 | 16° 9 | 9°48 | 13°19 | 12°55 | 2°45 | 16°41 | T 18 |
| F 19 | 6 14 14 | 3°44'57 | 2♌ 5 | 16° 6 | 26°58 | 11°17 | 12° 0 | 15°58 | 2°59 | 16°10 | 9°48 | 13° 7 | 12°51 | 2°52 | 16°45 | F 19 |
| S 20 | 6 18 10 | 4°46'07 | 14°46 | 17°32 | 28°13 | 12° 4 | 12°14 | 16° 3 | 3° 0 | 16°11 | 9°47 | 12°56 | 12°48 | 2°59 | 16°48 | S 20 |
| S 21 | 6 22 7 | 5°47'18 | 27° 8 | 19° 0 | 29°28 | 12°51 | 12°28 | 16° 9 | 3° 0 | 16°12 | 9°46 | 12°48 | 12°45 | 3° 5 | 16°52 | S 21 |
| M22 | 6 26 4 | 6°48'28 | 9♍15 | 20°28 | 0♒43 | 13°38 | 12°42 | 16°14 | 3° 1 | 16°12 | 9°46 | 12°43 | 12°42 | 3°12 | 16°55 | M22 |
| T 23 | 6 30 0 | 7°49'38 | 21°11 | 21°57 | 1°57 | 14°25 | 12°56 | 16°19 | 3° 2 | 16°13 | 9°45 | 12°40 | 12°39 | 3°19 | 16°58 | T 23 |
| W24 | 6 33 57 | 8°50'48 | 3♎ 0 | 23°26 | 3°12 | 15°12 | 13°10 | 16°25 | 3° 2 | 16°14 | 9°45 | 12°39 | 12°35 | 3°25 | 17° 2 | W24 |
| T 25 | 6 37 53 | 9°51'58 | 14°47 | 24°56 | 4°27 | 15°58 | 13°24 | 16°30 | 3° 2 | 16°14 | 9°44 | 12°39 | 12°32 | 3°32 | 17° 6 | T 25 |
| F 26 | 6 41 50 | 10°53'08 | 26°39 | 26°26 | 5°41 | 16°45 | 13°39 | 16°35 | 3° 3 | 16°15 | 9°44 | 12°39 | 12°29 | 3°39 | 17° 9 | F 26 |
| S 27 | 6 45 46 | 11°54'17 | 8♏41 | 27°57 | 6°56 | 17°32 | 13°53 | 16°40 | 3° 3 | 16°15 | 9°43 | 12°37 | 12°26 | 3°45 | 17°13 | S 27 |
| S 28 | 6 49 43 | 12°55'27 | 20°58 | 29°28 | 8°11 | 18°19 | 14° 7 | 16°45 | 3° 3 | 16°16 | 9°43 | 12°33 | 12°23 | 3°52 | 17°16 | S 28 |
| M29 | 6 53 39 | 13°56'36 | 3♐34 | 1♑ 0 | 9°25 | 19° 6 | 14°21 | 16°50 | 3° 4 | 16°16 | 9°43 | 12°26 | 12°20 | 3°58 | 17°20 | M29 |
| T 30 | 6 57 36 | 14°57'44 | 16°31 | 2°33 | 10°40 | 19°53 | 14°35 | 16°55 | 3° 4 | 16°17 | 9°42 | 12°16 | 12°16 | 4° 5 | 17°24 | T 30 |
| W31 | 7 1 33 | 15♑58'53 | 29♐51 | 4♑ 6 | 11♒54 | 20♒40 | 14♑49 | 16♏59 | 3♎ 4 | 16♎17 | 9♉42 | 12♈ 4 | 12♈13 | 4♎12 | 17♒28 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s45 | 22s27 | 3s17 | 16s27 | 2n27 | 24s42 | 1s14 | 22s 5 | 1s17 | 23s32 | 0s12 | 14s 9 | 2n 6 | 0s23 | 0n43 | 4s40 | 1n44 | 0n42 | 14s56 | 6n 4 | 5n28 | 0n43 | 10s31 | 5n54 |
| T 2 | 22 51 | 25 49 | 4 3 | 16 46 | 2 21 | 24 41 | 1 15 | 21 55 | 1 17 | 23 31 | 0 13 | 14 11 | 2 6 | 0 24 | 0 43 | 4 41 | 1 44 | 0 42 | 14 55 | 6 0 | 5 27 | 0 39 | 10 31 | 5 54 |
| W 3 | 22 57 | 27 54 | 4 38 | 17 6 | 2 14 | 24 39 | 1 17 | 21 45 | 1 16 | 23 30 | 0 13 | 14 13 | 2 6 | 0 25 | 0 43 | 4 41 | 1 44 | 0 42 | 14 55 | 5 56 | 5 26 | 0 36 | 10 30 | 5 53 |
| T 4 | 23 3 | 28 26 | 4 58 | 17 27 | 2 7 | 24 36 | 1 19 | 21 35 | 1 16 | 23 29 | 0 13 | 14 15 | 2 6 | 0 25 | 0 43 | 4 41 | 1 44 | 0 42 | 14 55 | 5 51 | 5 25 | 0 32 | 10 30 | 5 53 |
| F 5 | 23 8 | 27 17 | 5 2 | 17 49 | 1 59 | 24 33 | 1 20 | 21 25 | 1 16 | 23 29 | 0 13 | 14 17 | 2 6 | 0 26 | 0 43 | 4 42 | 1 44 | 0 42 | 14 55 | 5 47 | 5 23 | 0 29 | 10 29 | 5 53 |
| S 6 | 23 13 | 24 30 | 4 49 | 18 11 | 1 52 | 24 28 | 1 22 | 21 14 | 1 15 | 23 28 | 0 13 | 14 18 | 2 7 | 0 26 | 0 43 | 4 42 | 1 44 | 0 42 | 14 54 | 5 43 | 5 22 | 0 25 | 10 29 | 5 52 |
| S 7 | 23 17 | 20 17 | 4 19 | 18 33 | 1 44 | 24 23 | 1 23 | 21 3 | 1 15 | 23 27 | 0 13 | 14 20 | 2 7 | 0 27 | 0 43 | 4 43 | 1 44 | 0 42 | 14 54 | 5 40 | 5 21 | 0 22 | 10 28 | 5 52 |
| M 8 | 23 21 | 14 55 | 3 33 | 18 56 | 1 36 | 24 18 | 1 25 | 20 52 | 1 14 | 23 26 | 0 13 | 14 22 | 2 7 | 0 27 | 0 43 | 4 43 | 1 44 | 0 42 | 14 54 | 5 39 | 5 20 | 0 18 | 10 28 | 5 52 |
| T 9 | 23 24 | 8 46 | 2 34 | 19 19 | 1 28 | 24 11 | 1 26 | 20 41 | 1 14 | 23 25 | 0 13 | 14 23 | 2 7 | 0 28 | 0 43 | 4 43 | 1 44 | 0 42 | 14 54 | 5 38 | 5 18 | 0 15 | 10 27 | 5 52 |
| W10 | 23 27 | 2 10 | 1 26 | 19 41 | 1 20 | 24 4 | 1 27 | 20 29 | 1 14 | 23 24 | 0 13 | 14 25 | 2 7 | 0 28 | 0 43 | 4 44 | 1 44 | 0 42 | 14 54 | 5 38 | 5 17 | 0 12 | 10 27 | 5 51 |
| T 11 | 23 29 | 4n34 | 0 12 | 20 4 | 1 12 | 23 56 | 1 28 | 20 17 | 1 13 | 23 23 | 0 13 | 14 27 | 2 7 | 0 29 | 0 43 | 4 44 | 1 44 | 0 42 | 14 53 | 5 38 | 5 16 | 0 8 | 10 26 | 5 51 |
| F 12 | 23 31 | 11 6 | 1n 3 | 20 25 | 1 4 | 23 47 | 1 30 | 20 5 | 1 13 | 23 22 | 0 13 | 14 28 | 2 7 | 0 29 | 0 43 | 4 45 | 1 45 | 0 42 | 14 53 | 5 38 | 5 15 | 0 5 | 10 26 | 5 51 |
| S 13 | 23 32 | 17 4 | 2 13 | 20 47 | 0 56 | 23 38 | 1 31 | 19 53 | 1 12 | 23 21 | 0 14 | 14 30 | 2 7 | 0 30 | 0 43 | 4 45 | 1 45 | 0 42 | 14 53 | 5 37 | 5 14 | 0 1 | 10 25 | 5 50 |
| S 14 | 23 33 | 22 5 | 3 15 | 21 8 | 0 48 | 23 27 | 1 32 | 19 41 | 1 12 | 23 20 | 0 14 | 14 32 | 2 7 | 0 30 | 0 43 | 4 45 | 1 45 | 0 42 | 14 52 | 5 35 | 5 12 | 0s 2 | 10 24 | 5 50 |
| M15 | 23 33 | 25 50 | 4 5 | 21 28 | 0 40 | 23 16 | 1 33 | 19 28 | 1 11 | 23 19 | 0 14 | 14 33 | 2 7 | 0 30 | 0 43 | 4 45 | 1 45 | 0 42 | 14 52 | 5 31 | 5 11 | 0 6 | 10 24 | 5 50 |
| T 16 | 23 33 | 27 58 | 4 40 | 21 47 | 0 32 | 23 5 | 1 34 | 19 15 | 1 11 | 23 18 | 0 14 | 14 35 | 2 8 | 0 31 | 0 43 | 4 46 | 1 45 | 0 42 | 14 52 | 5 27 | 5 10 | 0 9 | 10 23 | 5 49 |
| W17 | 23 33 | 28 23 | 4 58 | 22 6 | 0 24 | 22 53 | 1 34 | 19 2 | 1 10 | 23 17 | 0 14 | 14 36 | 2 8 | 0 31 | 0 43 | 4 46 | 1 45 | 0 42 | 14 52 | 5 22 | 5 9 | 0 13 | 10 22 | 5 49 |
| T 18 | 23 32 | 27 7 | 4 59 | 22 24 | 0 16 | 22 40 | 1 35 | 18 49 | 1 10 | 23 16 | 0 14 | 14 38 | 2 8 | 0 31 | 0 43 | 4 46 | 1 45 | 0 42 | 14 51 | 5 17 | 5 7 | 0 16 | 10 22 | 5 49 |
| F 19 | 23 30 | 24 24 | 4 45 | 22 41 | 0 8 | 22 26 | 1 36 | 18 35 | 1 9 | 23 15 | 0 14 | 14 39 | 2 8 | 0 32 | 0 43 | 4 47 | 1 45 | 0 42 | 14 51 | 5 12 | 5 6 | 0 19 | 10 21 | 5 49 |
| S 20 | 23 28 | 20 34 | 4 16 | 22 57 | 0 1 | 22 12 | 1 37 | 18 22 | 1 9 | 23 13 | 0 14 | 14 41 | 2 8 | 0 32 | 0 44 | 4 47 | 1 45 | 0 42 | 14 51 | 5 8 | 5 5 | 0 23 | 10 20 | 5 48 |
| S 21 | 23 26 | 15 54 | 3 36 | 23 12 | 0s 7 | 21 57 | 1 37 | 18 8 | 1 9 | 23 12 | 0 14 | 14 42 | 2 8 | 0 32 | 0 44 | 4 47 | 1 45 | 0 42 | 14 51 | 5 5 | 5 4 | 0 26 | 10 19 | 5 48 |
| M22 | 23 23 | 10 43 | 2 47 | 23 26 | 0 14 | 21 41 | 1 38 | 17 54 | 1 8 | 23 11 | 0 14 | 14 44 | 2 8 | 0 32 | 0 44 | 4 47 | 1 45 | 0 42 | 14 50 | 5 3 | 5 2 | 0 30 | 10 19 | 5 48 |
| T 23 | 23 19 | 5 13 | 1 51 | 23 39 | 0 21 | 21 25 | 1 38 | 17 40 | 1 8 | 23 10 | 0 14 | 14 45 | 2 8 | 0 33 | 0 44 | 4 47 | 1 45 | 0 43 | 14 50 | 5 2 | 5 1 | 0 33 | 10 18 | 5 48 |
| W24 | 23 15 | 0s25 | 0 51 | 23 51 | 0 28 | 21 8 | 1 39 | 17 25 | 1 7 | 23 8 | 0 15 | 14 46 | 2 9 | 0 33 | 0 44 | 4 48 | 1 45 | 0 43 | 14 50 | 5 1 | 5 0 | 0 37 | 10 17 | 5 47 |
| T 25 | 23 11 | 6 2 | 0s11 | 24 2 | 0 35 | 20 50 | 1 39 | 17 11 | 1 7 | 23 7 | 0 15 | 14 48 | 2 9 | 0 33 | 0 44 | 4 48 | 1 45 | 0 43 | 14 49 | 5 1 | 4 59 | 0 40 | 10 16 | 5 47 |
| F 26 | 23 6 | 11 28 | 1 13 | 24 12 | 0 41 | 20 32 | 1 39 | 16 56 | 1 6 | 23 6 | 0 15 | 14 49 | 2 9 | 0 33 | 0 44 | 4 48 | 1 45 | 0 43 | 14 49 | 5 1 | 4 57 | 0 44 | 10 15 | 5 47 |
| S 27 | 23 1 | 16 34 | 2 13 | 24 20 | 0 48 | 20 14 | 1 39 | 16 41 | 1 6 | 23 4 | 0 15 | 14 50 | 2 9 | 0 33 | 0 44 | 4 48 | 1 45 | 0 43 | 14 49 | 5 0 | 4 56 | 0 47 | 10 15 | 5 47 |
| S 28 | 22 55 | 21 6 | 3 8 | 24 27 | 0 54 | 19 54 | 1 39 | 16 26 | 1 5 | 23 3 | 0 15 | 14 52 | 2 9 | 0 33 | 0 44 | 4 48 | 1 46 | 0 43 | 14 49 | 4 59 | 4 55 | 0 51 | 10 14 | 5 46 |
| M29 | 22 49 | 24 48 | 3 55 | 24 33 | 1 0 | 19 35 | 1 39 | 16 11 | 1 5 | 23 2 | 0 15 | 14 53 | 2 9 | 0 33 | 0 44 | 4 48 | 1 46 | 0 43 | 14 48 | 4 56 | 4 54 | 0 54 | 10 13 | 5 46 |
| T 30 | 22 43 | 27 22 | 4 31 | 24 38 | 1 6 | 19 14 | 1 39 | 15 56 | 1 4 | 23 0 | 0 15 | 14 54 | 2 9 | 0 33 | 0 44 | 4 48 | 1 46 | 0 44 | 14 48 | 4 52 | 4 52 | 0 57 | 10 12 | 5 46 |
| W31 | 22s36 | 28s27 | 4s53 | 24s41 | 1s12 | 18s53 | 1s39 | 15s40 | 1s 3 | 22s59 | 0s15 | 14s55 | 2n 9 | 0s33 | 0n44 | 4s49 | 1n46 | 0n44 | 14s48 | 4n47 | 4n51 | 1s 1 | 10s11 | 5n46 |

Julian Day Number = 2134124.5, Delta T = 16m09s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'26, Lahiri = 11°44'26 Julian Calendar 1 Dec. 1130 == Greg. Calendar 8 Dec. 1130


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## JANUARY 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 5 29 | 17♉ 0'00 | 13♉32 | 5♉40 | 13♒ 9 | 21♒27 | 15♉ 3 | 17♏ 4 | 3°R 4 | 16♎18 | 9°R41 | 11°R51 | 12♈10 | 4♎18 | 17♒31 | T 1 |
| F 2 | 7 9 26 | 18° 1'07 | 27°30 | 7°14 | 14°23 | 22°14 | 15°17 | 17° 9 | 3♎ 4 | 16°18 | 9♉41 | 11♈38 | 12° 7 | 4°25 | 17°35 | F 2 |
| S 3 | 7 13 22 | 19° 2'13 | 11♒41 | 8°48 | 15°38 | 23° 1 | 15°31 | 17°13 | 3° 4 | 16°18 | 9°41 | 11°26 | 12° 4 | 4°32 | 17°39 | S 3 |
| S 4 | 7 17 19 | 20° 3'18 | 25°59 | 10°24 | 16°52 | 23°48 | 15°46 | 17°18 | 3° 4 | 16°19 | 9°40 | 11°17 | 12° 1 | 4°38 | 17°43 | S 4 |
| M 5 | 7 21 15 | 21° 4'22 | 10♓19 | 12° 0 | 18° 7 | 24°35 | 16° 0 | 17°22 | 3° 3 | 16°19 | 9°40 | 11°12 | 11°57 | 4°45 | 17°47 | M 5 |
| T 6 | 7 25 12 | 22° 5'25 | 24°37 | 13°36 | 19°21 | 25°21 | 16°14 | 17°27 | 3° 3 | 16°19 | 9°40 | 11° 9 | 11°54 | 4°52 | 17°51 | T 6 |
| W 7 | 7 29 8 | 23° 6'27 | 8♈50 | 15°13 | 20°35 | 26° 8 | 16°28 | 17°31 | 3° 3 | 16°19 | 9°40 | 11°D 8 | 11°51 | 4°58 | 17°55 | W 7 |
| T 8 | 7 33 5 | 24° 7'27 | 22°55 | 16°51 | 21°49 | 26°55 | 16°42 | 17°35 | 3° 3 | 16°19 | 9°39 | 11°R 8 | 11°48 | 5° 5 | 17°58 | T 8 |
| F 9 | 7 37 2 | 25° 8'26 | 6♉53 | 18°29 | 23° 4 | 27°42 | 16°56 | 17°39 | 3° 2 | 16°19 | 9°39 | 11° 8 | 11°45 | 5°12 | 18° 2 | F 9 |
| S 10 | 7 40 58 | 26° 9'24 | 20°44 | 20° 8 | 24°18 | 28°29 | 17°10 | 17°43 | 3° 2 | 16°19 | 9°39 | 11° 5 | 11°41 | 5°18 | 18° 6 | S 10 |
| S 11 | 7 44 55 | 27°10'21 | 4♊26 | 21°48 | 25°32 | 29°15 | 17°24 | 17°47 | 3° 1 | 16°R19 | 9°39 | 11° 1 | 11°38 | 5°25 | 18°10 | S 11 |
| M12 | 7 48 51 | 28°11'16 | 17°59 | 23°29 | 26°46 | 0♓ 2 | 17°38 | 17°51 | 3° 1 | 16°19 | 9°39 | 10°53 | 11°35 | 5°32 | 18°14 | M12 |
| T 13 | 7 52 48 | 29°12'11 | 1♋23 | 25°10 | 28° 0 | 0°49 | 17°52 | 17°54 | 3° 0 | 16°19 | 9°39 | 10°43 | 11°32 | 5°38 | 18°18 | T 13 |
| W14 | 7 56 44 | 0♒13'04 | 14°35 | 26°52 | 29°14 | 1°35 | 18° 6 | 17°58 | 2°59 | 16°19 | 9°39 | 10°31 | 11°29 | 5°45 | 18°23 | W14 |
| T 15 | 8 0 41 | 1°13'55 | 27°34 | 28°34 | 0♓28 | 2°22 | 18°20 | 18° 2 | 2°59 | 16°19 | 9°39 | 10°18 | 11°26 | 5°51 | 18°27 | T 15 |
| F 16 | 8 4 38 | 2°14'46 | 10♌19 | 0♒17 | 1°42 | 3° 9 | 18°34 | 18° 5 | 2°58 | 16°19 | 9°39 | 10° 6 | 11°22 | 5°58 | 18°31 | F 16 |
| S 17 | 8 8 34 | 3°15'35 | 22°49 | 2° 2 | 2°56 | 3°55 | 18°48 | 18° 9 | 2°57 | 16°19 | 9°D39 | 9°56 | 11°19 | 6° 5 | 18°35 | S 17 |
| S 18 | 8 12 31 | 4°16'23 | 5♍ 5 | 3°46 | 4°10 | 4°42 | 19° 2 | 18°12 | 2°56 | 16°19 | 9°39 | 9°48 | 11°16 | 6°11 | 18°39 | S 18 |
| M19 | 8 16 27 | 5°17'09 | 17° 8 | 5°32 | 5°24 | 5°28 | 19°15 | 18°15 | 2°55 | 16°18 | 9°39 | 9°42 | 11°13 | 6°18 | 18°43 | M19 |
| T 20 | 8 20 24 | 6°17'55 | 29° 2 | 7°18 | 6°38 | 6°15 | 19°29 | 18°18 | 2°54 | 16°18 | 9°39 | 9°40 | 11°10 | 6°25 | 18°47 | T 20 |
| W21 | 8 24 20 | 7°18'39 | 10♎51 | 9° 5 | 7°51 | 7° 1 | 19°43 | 18°21 | 2°53 | 16°18 | 9°39 | 9°D39 | 11° 7 | 6°31 | 18°51 | W21 |
| T 22 | 8 28 17 | 8°19'23 | 22°38 | 10°53 | 9° 5 | 7°48 | 19°57 | 18°24 | 2°52 | 16°17 | 9°39 | 9°40 | 11° 3 | 6°38 | 18°55 | T 22 |
| F 23 | 8 32 13 | 9°20'05 | 4♏29 | 12°41 | 10°19 | 8°34 | 20°11 | 18°27 | 2°51 | 16°17 | 9°39 | 9°R40 | 11° 0 | 6°45 | 19° 0 | F 23 |
| S 24 | 8 36 10 | 10°20'46 | 16°30 | 14°30 | 11°32 | 9°20 | 20°24 | 18°30 | 2°50 | 16°17 | 9°39 | 9°40 | 10°57 | 6°51 | 19° 4 | S 24 |
| S 25 | 8 40 7 | 11°21'26 | 28°46 | 16°20 | 12°46 | 10° 7 | 20°38 | 18°33 | 2°48 | 16°16 | 9°39 | 9°38 | 10°54 | 6°58 | 19° 8 | S 25 |
| M26 | 8 44 3 | 12°22'05 | 11♐21 | 18°10 | 13°59 | 10°53 | 20°52 | 18°35 | 2°47 | 16°16 | 9°39 | 9°34 | 10°51 | 7° 5 | 19°12 | M26 |
| T 27 | 8 48 0 | 13°22'42 | 24°21 | 20° 0 | 15°13 | 11°39 | 21° 5 | 18°38 | 2°46 | 16°15 | 9°40 | 9°28 | 10°47 | 7°11 | 19°16 | T 27 |
| W28 | 8 51 56 | 14°23'19 | 7♑46 | 21°51 | 16°26 | 12°26 | 21°19 | 18°40 | 2°44 | 16°15 | 9°40 | 9°20 | 10°44 | 7°18 | 19°21 | W28 |
| T 29 | 8 55 53 | 15°23'54 | 21°38 | 23°42 | 17°39 | 13°12 | 21°32 | 18°42 | 2°43 | 16°14 | 9°40 | 9°11 | 10°41 | 7°25 | 19°25 | T 29 |
| F 30 | 8 59 49 | 16°24'27 | 5♒52 | 25°33 | 18°53 | 13°58 | 21°46 | 18°44 | 2°41 | 16°13 | 9°40 | 9° 2 | 10°38 | 7°31 | 19°29 | F 30 |
| S 31 | 9 3 46 | 17♒24'59 | 20♒25 | 27♒24 | 20♓ 6 | 14♓44 | 21♉59 | 18♏47 | 2♎40 | 16♎13 | 9♉41 | 8♈54 | 10♈35 | 7♎38 | 19♒33 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s28 | 27s50 | 5s 0 | 24s43 | 1s17 | 18s32 | 1s39 | 15s25 | 1s 3 | 22s57 | 0s15 | 14s56 | 2n10 | 0s33 | 0n44 | 4s49 | 1n46 | 0n44 | 14s47 | 4n42 | 4n50 | 1s 4 | 10s10 | 5n45 |
| F 2 | 22 20 | 25 29 | 4 49 | 24 43 | 1 22 | 18 10 | 1 39 | 15 9 | 1 2 | 22 56 | 0 15 | 14 58 | 2 10 | 0 33 | 0 44 | 4 49 | 1 46 | 0 44 | 14 47 | 4 37 | 4 49 | 1 8 | 10 9 | 5 45 |
| S 3 | 22 12 | 21 31 | 4 20 | 24 42 | 1 27 | 17 47 | 1 38 | 14 53 | 1 2 | 22 54 | 0 16 | 14 59 | 2 10 | 0 33 | 0 44 | 4 49 | 1 46 | 0 44 | 14 47 | 4 33 | 4 47 | 1 11 | 10 8 | 5 45 |
| S 4 | 22 3 | 16 17 | 3 34 | 24 40 | 1 32 | 17 24 | 1 38 | 14 37 | 1 1 | 22 53 | 0 16 | 15 0 | 2 10 | 0 33 | 0 44 | 4 49 | 1 46 | 0 45 | 14 46 | 4 29 | 4 46 | 1 15 | 10 7 | 5 45 |
| M 5 | 21 54 | 10 7 | 2 35 | 24 36 | 1 36 | 17 1 | 1 37 | 14 21 | 1 1 | 22 51 | 0 16 | 15 1 | 2 10 | 0 33 | 0 44 | 4 49 | 1 46 | 0 45 | 14 46 | 4 27 | 4 45 | 1 18 | 10 6 | 5 45 |
| T 6 | 21 44 | 3 28 | 1 26 | 24 31 | 1 40 | 16 37 | 1 37 | 14 4 | 1 0 | 22 50 | 0 16 | 15 2 | 2 10 | 0 33 | 0 44 | 4 49 | 1 46 | 0 45 | 14 46 | 4 26 | 4 44 | 1 22 | 10 5 | 5 45 |
| W 7 | 21 34 | 3n20 | 0 12 | 24 24 | 1 44 | 16 13 | 1 36 | 13 48 | 1 0 | 22 48 | 0 16 | 15 3 | 2 11 | 0 33 | 0 44 | 4 49 | 1 46 | 0 45 | 14 45 | 4 26 | 4 42 | 1 25 | 10 4 | 5 44 |
| T 8 | 21 23 | 9 55 | 1n 2 | 24 16 | 1 47 | 15 48 | 1 35 | 13 31 | 0 59 | 22 46 | 0 16 | 15 4 | 2 11 | 0 32 | 0 44 | 4 49 | 1 46 | 0 45 | 14 45 | 4 26 | 4 41 | 1 29 | 10 3 | 5 44 |
| F 9 | 21 13 | 15 57 | 2 12 | 24 6 | 1 51 | 15 23 | 1 34 | 13 15 | 0 58 | 22 45 | 0 16 | 15 5 | 2 11 | 0 32 | 0 44 | 4 49 | 1 46 | 0 46 | 14 45 | 4 25 | 4 40 | 1 32 | 10 2 | 5 44 |
| S 10 | 21 1 | 21 8 | 3 13 | 23 54 | 1 54 | 14 57 | 1 34 | 12 58 | 0 58 | 22 43 | 0 16 | 15 6 | 2 11 | 0 32 | 0 44 | 4 49 | 1 46 | 0 46 | 14 44 | 4 25 | 4 39 | 1 35 | 10 1 | 5 44 |
| S 11 | 20 49 | 25 6 | 4 3 | 23 41 | 1 56 | 14 31 | 1 33 | 12 41 | 0 57 | 22 41 | 0 16 | 15 7 | 2 11 | 0 32 | 0 44 | 4 49 | 1 46 | 0 46 | 14 44 | 4 23 | 4 37 | 1 39 | 10 0 | 5 44 |
| M12 | 20 37 | 27 38 | 4 38 | 23 27 | 1 58 | 14 5 | 1 31 | 12 24 | 0 57 | 22 40 | 0 16 | 15 8 | 2 11 | 0 31 | 0 44 | 4 49 | 1 46 | 0 47 | 14 44 | 4 20 | 4 36 | 1 42 | 9 59 | 5 44 |
| T 13 | 20 25 | 28 30 | 4 58 | 23 10 | 2 0 | 13 38 | 1 30 | 12 7 | 0 56 | 22 38 | 0 17 | 15 9 | 2 12 | 0 31 | 0 44 | 4 49 | 1 47 | 0 47 | 14 43 | 4 16 | 4 35 | 1 46 | 9 58 | 5 43 |
| W14 | 20 12 | 27 44 | 5 1 | 22 52 | 2 2 | 13 11 | 1 29 | 11 49 | 0 56 | 22 36 | 0 17 | 15 10 | 2 12 | 0 31 | 0 44 | 4 49 | 1 47 | 0 47 | 14 43 | 4 11 | 4 34 | 1 49 | 9 57 | 5 43 |
| T 15 | 19 59 | 25 27 | 4 48 | 22 33 | 2 3 | 12 44 | 1 28 | 11 32 | 0 55 | 22 34 | 0 17 | 15 10 | 2 12 | 0 31 | 0 44 | 4 48 | 1 47 | 0 47 | 14 43 | 4 6 | 4 32 | 1 53 | 9 56 | 5 43 |
| F 16 | 19 45 | 21 56 | 4 21 | 22 12 | 2 3 | 12 16 | 1 27 | 11 15 | 0 54 | 22 32 | 0 17 | 15 11 | 2 12 | 0 30 | 0 44 | 4 48 | 1 47 | 0 48 | 14 42 | 4 1 | 4 31 | 1 56 | 9 55 | 5 43 |
| S 17 | 19 31 | 17 28 | 3 42 | 21 49 | 2 4 | 11 48 | 1 25 | 10 57 | 0 54 | 22 31 | 0 17 | 15 12 | 2 12 | 0 30 | 0 45 | 4 48 | 1 47 | 0 48 | 14 42 | 3 57 | 4 30 | 2 0 | 9 54 | 5 43 |
| S 18 | 19 17 | 12 23 | 2 53 | 21 24 | 2 4 | 11 19 | 1 24 | 10 40 | 0 53 | 22 29 | 0 17 | 15 13 | 2 12 | 0 29 | 0 45 | 4 48 | 1 47 | 0 48 | 14 42 | 3 54 | 4 29 | 2 3 | 9 52 | 5 43 |
| M19 | 19 2 | 6 54 | 1 57 | 20 58 | 2 3 | 10 51 | 1 22 | 10 22 | 0 53 | 22 27 | 0 17 | 15 13 | 2 13 | 0 29 | 0 45 | 4 48 | 1 47 | 0 49 | 14 41 | 3 52 | 4 27 | 2 6 | 9 51 | 5 43 |
| T 20 | 18 47 | 1 15 | 0 56 | 20 30 | 2 2 | 10 22 | 1 20 | 10 4 | 0 52 | 22 25 | 0 17 | 15 14 | 2 13 | 0 29 | 0 45 | 4 48 | 1 47 | 0 49 | 14 41 | 3 51 | 4 26 | 2 10 | 9 50 | 5 43 |
| W21 | 18 32 | 4s25 | 0s 6 | 20 0 | 2 0 | 9 53 | 1 19 | 9 46 | 0 51 | 22 23 | 0 17 | 15 15 | 2 13 | 0 28 | 0 45 | 4 48 | 1 47 | 0 49 | 14 41 | 3 50 | 4 25 | 2 13 | 9 49 | 5 42 |
| T 22 | 18 16 | 9 55 | 1 9 | 19 29 | 1 58 | 9 23 | 1 17 | 9 28 | 0 51 | 22 21 | 0 18 | 15 15 | 2 13 | 0 28 | 0 45 | 4 47 | 1 47 | 0 50 | 14 40 | 3 51 | 4 24 | 2 17 | 9 48 | 5 42 |
| F 23 | 18 0 | 15 6 | 2 9 | 18 56 | 1 56 | 8 54 | 1 15 | 9 10 | 0 50 | 22 19 | 0 18 | 15 16 | 2 13 | 0 27 | 0 45 | 4 47 | 1 47 | 0 50 | 14 40 | 3 51 | 4 22 | 2 20 | 9 47 | 5 42 |
| S 24 | 17 44 | 19 47 | 3 4 | 18 21 | 1 53 | 8 24 | 1 13 | 8 52 | 0 50 | 22 17 | 0 18 | 15 17 | 2 13 | 0 27 | 0 45 | 4 47 | 1 47 | 0 50 | 14 40 | 3 51 | 4 21 | 2 24 | 9 45 | 5 42 |
| S 25 | 17 27 | 23 45 | 3 52 | 17 45 | 1 49 | 7 54 | 1 11 | 8 34 | 0 49 | 22 15 | 0 18 | 15 17 | 2 14 | 0 26 | 0 45 | 4 47 | 1 47 | 0 51 | 14 39 | 3 50 | 4 20 | 2 27 | 9 44 | 5 42 |
| M26 | 17 10 | 26 42 | 4 30 | 17 7 | 1 45 | 7 23 | 1 9 | 8 16 | 0 48 | 22 13 | 0 18 | 15 18 | 2 14 | 0 26 | 0 45 | 4 46 | 1 47 | 0 51 | 14 39 | 3 49 | 4 19 | 2 31 | 9 43 | 5 42 |
| T 27 | 16 53 | 28 21 | 4 55 | 16 27 | 1 40 | 6 53 | 1 7 | 7 57 | 0 48 | 22 11 | 0 18 | 15 18 | 2 14 | 0 25 | 0 45 | 4 46 | 1 47 | 0 51 | 14 39 | 3 46 | 4 17 | 2 34 | 9 42 | 5 42 |
| W28 | 16 36 | 28 25 | 5 6 | 15 46 | 1 34 | 6 22 | 1 5 | 7 39 | 0 47 | 22 9 | 0 18 | 15 19 | 2 14 | 0 24 | 0 45 | 4 46 | 1 47 | 0 52 | 14 38 | 3 43 | 4 16 | 2 38 | 9 41 | 5 42 |
| T 29 | 16 18 | 26 43 | 4 59 | 15 4 | 1 28 | 5 51 | 1 2 | 7 21 | 0 46 | 22 7 | 0 18 | 15 19 | 2 14 | 0 24 | 0 45 | 4 46 | 1 48 | 0 52 | 14 38 | 3 39 | 4 15 | 2 41 | 9 39 | 5 42 |
| F 30 | 16 0 | 23 18 | 4 33 | 14 20 | 1 21 | 5 20 | 1 0 | 7 2 | 0 46 | 22 5 | 0 19 | 15 19 | 2 15 | 0 23 | 0 45 | 4 45 | 1 48 | 0 53 | 14 38 | 3 36 | 4 14 | 2 44 | 9 38 | 5 42 |
| S 31 | 15s41 | 18s23 | 3s50 | 13s35 | 1s14 | 4s49 | 0s58 | 6s44 | 0s45 | 22s 3 | 0s19 | 15s20 | 2n15 | 0s23 | 0n45 | 4s45 | 1n48 | 0n53 | 14s37 | 3n33 | 4n12 | 2s48 | 9s37 | 5n42 |

Julian Day Number = 2134155.5, Delta T = 16m09s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'30, Lahiri = 11°44'30 Julian Calendar 1 Jan. 1131 == Greg. Calendar 8 Jan. 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## FEBRUARY 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 7 42 | 18♒25'29 | 5♓ 9 | 29♒15 | 21♓19 | 15♓31 | 22♑13 | 18♏49 | 2°R38 | 16°R12 | 9♉41 | 8°R48 | 10♈32 | 7♎44 | 19♒37 | S 1 |
| M 2 | 9 11 39 | 19°25'57 | 19°56 | 1♓ 4 | 22°32 | 16°17 | 22°26 | 18°50 | 2♎37 | 16♎11 | 9°41 | 8♈44 | 10°28 | 7°51 | 19°42 | M 2 |
| T 3 | 9 15 36 | 20°26'23 | 4♈39 | 2°53 | 23°45 | 17° 3 | 22°40 | 18°52 | 2°35 | 16°11 | 9°42 | 8°D42 | 10°25 | 7°58 | 19°46 | T 3 |
| W 4 | 9 19 32 | 21°26'48 | 19°12 | 4°41 | 24°58 | 17°49 | 22°53 | 18°54 | 2°33 | 16°10 | 9°42 | 8°43 | 10°22 | 8° 4 | 19°50 | W 4 |
| T 5 | 9 23 29 | 22°27'10 | 3♉32 | 6°26 | 26°11 | 18°35 | 23° 6 | 18°56 | 2°32 | 16° 9 | 9°42 | 8°44 | 10°19 | 8°11 | 19°54 | T 5 |
| F 6 | 9 27 25 | 23°27'31 | 17°35 | 8°10 | 27°24 | 19°21 | 23°19 | 18°57 | 2°30 | 16° 8 | 9°43 | 8°R45 | 10°16 | 8°18 | 19°58 | F 6 |
| S 7 | 9 31 22 | 24°27'49 | 1♊23 | 9°51 | 28°37 | 20° 7 | 23°32 | 18°58 | 2°28 | 16° 8 | 9°43 | 8°45 | 10°13 | 8°24 | 20° 3 | S 7 |
| S 8 | 9 35 18 | 25°28'05 | 14°55 | 11°29 | 29°49 | 20°52 | 23°45 | 19° 0 | 2°26 | 16° 7 | 9°44 | 8°43 | 10° 9 | 8°31 | 20° 7 | S 8 |
| M 9 | 9 39 15 | 26°28'20 | 28°11 | 13° 3 | 1♈ 2 | 21°38 | 23°58 | 19° 1 | 2°24 | 16° 6 | 9°44 | 8°39 | 10° 6 | 8°38 | 20°11 | M 9 |
| T 10 | 9 43 11 | 27°28'32 | 11♋15 | 14°32 | 2°14 | 22°24 | 24°11 | 19° 2 | 2°22 | 16° 5 | 9°45 | 8°34 | 10° 3 | 8°44 | 20°15 | T 10 |
| W11 | 9 47 8 | 28°28'42 | 24° 4 | 15°57 | 3°27 | 23°10 | 24°24 | 19° 3 | 2°20 | 16° 4 | 9°45 | 8°27 | 10° 0 | 8°51 | 20°19 | W11 |
| T 12 | 9 51 5 | 29°28'50 | 6♌42 | 17°17 | 4°39 | 23°56 | 24°37 | 19° 4 | 2°18 | 16° 3 | 9°46 | 8°19 | 9°57 | 8°58 | 20°24 | T 12 |
| F 13 | 9 55 1 | 0♓28'56 | 19° 8 | 18°30 | 5°51 | 24°41 | 24°50 | 19° 5 | 2°16 | 16° 2 | 9°46 | 8°13 | 9°53 | 9° 4 | 20°28 | F 13 |
| S 14 | 9 58 58 | 1°29'00 | 1♍23 | 19°37 | 7° 4 | 25°27 | 25° 3 | 19° 5 | 2°14 | 16° 1 | 9°47 | 8° 7 | 9°50 | 9°11 | 20°32 | S 14 |
| S 15 | 10 2 54 | 2°29'02 | 13°28 | 20°36 | 8°16 | 26°12 | 25°15 | 19° 6 | 2°12 | 16° 0 | 9°48 | 8° 2 | 9°47 | 9°17 | 20°36 | S 15 |
| M16 | 10 6 51 | 3°29'03 | 25°25 | 21°29 | 9°28 | 26°58 | 25°28 | 19° 7 | 2°10 | 15°59 | 9°48 | 8° 0 | 9°44 | 9°24 | 20°40 | M16 |
| T 17 | 10 10 47 | 4°29'01 | 7♎16 | 22°13 | 10°40 | 27°43 | 25°40 | 19° 7 | 2° 8 | 15°58 | 9°49 | 7°D59 | 9°41 | 9°31 | 20°44 | T 17 |
| W18 | 10 14 44 | 5°28'57 | 19° 3 | 22°48 | 11°51 | 28°29 | 25°53 | 19° 7 | 2° 6 | 15°56 | 9°49 | 7°59 | 9°38 | 9°37 | 20°48 | W18 |
| T 19 | 10 18 40 | 6°28'52 | 0♏51 | 23°15 | 13° 3 | 29°14 | 26° 5 | 19° 7 | 2° 3 | 15°55 | 9°50 | 8° 1 | 9°34 | 9°44 | 20°52 | T 19 |
| F 20 | 10 22 37 | 7°28'45 | 12°42 | 23°33 | 14°15 | 29°59 | 26°18 | 19°R 8 | 2° 1 | 15°54 | 9°51 | 8° 3 | 9°31 | 9°51 | 20°57 | F 20 |
| S 21 | 10 26 33 | 8°28'37 | 24°43 | 23°43 | 15°26 | 0♈45 | 26°30 | 19° 8 | 1°59 | 15°53 | 9°52 | 8° 4 | 9°28 | 9°57 | 21° 1 | S 21 |
| S 22 | 10 30 30 | 9°28'26 | 6♐57 | 23°R43 | 16°38 | 1°30 | 26°42 | 19° 7 | 1°56 | 15°52 | 9°52 | 8°R 5 | 9°25 | 10° 4 | 21° 5 | S 22 |
| M23 | 10 34 27 | 10°28'14 | 19°29 | 23°36 | 17°49 | 2°16 | 26°54 | 19° 7 | 1°54 | 15°50 | 9°53 | 8° 5 | 9°22 | 10°11 | 21° 9 | M23 |
| T 24 | 10 38 23 | 11°28'00 | 2♑25 | 23°19 | 19° 1 | 3° 1 | 27° 6 | 19° 7 | 1°52 | 15°49 | 9°54 | 8° 3 | 9°19 | 10°17 | 21°13 | T 24 |
| W25 | 10 42 20 | 12°27'45 | 15°46 | 22°56 | 20°12 | 3°46 | 27°18 | 19° 6 | 1°49 | 15°48 | 9°55 | 8° 0 | 9°15 | 10°24 | 21°17 | W25 |
| T 26 | 10 46 16 | 13°27'28 | 29°35 | 22°25 | 21°23 | 4°31 | 27°30 | 19° 6 | 1°47 | 15°47 | 9°55 | 7°57 | 9°12 | 10°31 | 21°21 | T 26 |
| F 27 | 10 50 13 | 14°27'08 | 13♒51 | 21°47 | 22°34 | 5°16 | 27°42 | 19° 5 | 1°45 | 15°45 | 9°56 | 7°54 | 9° 9 | 10°37 | 21°25 | F 27 |
| S 28 | 10 54 9 | 15♓26'47 | 28♒30 | 21♓ 5 | 23♈45 | 6♈ 1 | 27♑54 | 19♏ 5 | 1♎42 | 15♎44 | 9♉57 | 7♈50 | 9♈ 6 | 10♎44 | 21♒28 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s23 | 12s19 | 2s51 | 12s49 | 1s 6 | 4s18 | 0s55 | 6s25 | 0s44 | 22s 1 | 0s19 | 15s20 | 2n15 | 0s22 | 0n45 | 4s45 | 1n48 | 0n53 | 14s37 | 3n30 | 4n11 | 2s51 | 9s36 | 5n42 |
| M 2 | 15 4 | 5 32 | 1 40 | 12 2 | 0 57 | 3 47 | 0 53 | 6 7 | 0 44 | 21 59 | 0 19 | 15 21 | 2 15 | 0 21 | 0 45 | 4 44 | 1 48 | 0 54 | 14 37 | 3 29 | 4 10 | 2 55 | 9 34 | 5 42 |
| T 3 | 14 45 | 1n31 | 0 22 | 11 14 | 0 47 | 3 15 | 0 50 | 5 48 | 0 43 | 21 57 | 0 19 | 15 21 | 2 15 | 0 21 | 0 45 | 4 44 | 1 48 | 0 54 | 14 36 | 3 28 | 4 9 | 2 58 | 9 33 | 5 42 |
| W 4 | 14 25 | 8 25 | 0n56 | 10 25 | 0 37 | 2 44 | 0 47 | 5 30 | 0 43 | 21 55 | 0 19 | 15 21 | 2 16 | 0 20 | 0 45 | 4 44 | 1 48 | 0 55 | 14 36 | 3 28 | 4 7 | 3 2 | 9 32 | 5 42 |
| T 5 | 14 6 | 14 47 | 2 10 | 9 36 | 0 26 | 2 12 | 0 45 | 5 11 | 0 42 | 21 53 | 0 19 | 15 21 | 2 16 | 0 19 | 0 45 | 4 43 | 1 48 | 0 55 | 14 36 | 3 29 | 4 6 | 3 5 | 9 31 | 5 42 |
| F 6 | 13 46 | 20 16 | 3 15 | 8 46 | 0 15 | 1 41 | 0 42 | 4 52 | 0 41 | 21 51 | 0 19 | 15 22 | 2 16 | 0 18 | 0 45 | 4 43 | 1 48 | 0 56 | 14 36 | 3 29 | 4 5 | 3 9 | 9 29 | 5 42 |
| S 7 | 13 26 | 24 33 | 4 6 | 7 57 | 0 3 | 1 9 | 0 39 | 4 33 | 0 41 | 21 49 | 0 19 | 15 22 | 2 16 | 0 18 | 0 45 | 4 43 | 1 48 | 0 56 | 14 35 | 3 29 | 4 4 | 3 12 | 9 28 | 5 42 |
| S 8 | 13 6 | 27 23 | 4 43 | 7 8 | 0n10 | 0 37 | 0 36 | 4 15 | 0 40 | 21 47 | 0 20 | 15 22 | 2 16 | 0 17 | 0 45 | 4 42 | 1 48 | 0 56 | 14 35 | 3 28 | 4 2 | 3 15 | 9 27 | 5 42 |
| M 9 | 12 45 | 28 37 | 5 4 | 6 20 | 0 23 | 0 6 | 0 33 | 3 56 | 0 39 | 21 44 | 0 20 | 15 22 | 2 17 | 0 16 | 0 45 | 4 42 | 1 48 | 0 57 | 14 35 | 3 27 | 4 1 | 3 19 | 9 25 | 5 42 |
| T 10 | 12 24 | 28 13 | 5 9 | 5 33 | 0 37 | 0n26 | 0 30 | 3 37 | 0 39 | 21 42 | 0 20 | 15 22 | 2 17 | 0 15 | 0 45 | 4 42 | 1 48 | 0 57 | 14 34 | 3 25 | 4 0 | 3 22 | 9 24 | 5 42 |
| W11 | 12 4 | 26 17 | 4 58 | 4 47 | 0 51 | 0 58 | 0 27 | 3 18 | 0 38 | 21 40 | 0 20 | 15 22 | 2 17 | 0 15 | 0 45 | 4 41 | 1 48 | 0 58 | 14 34 | 3 22 | 3 59 | 3 26 | 9 23 | 5 42 |
| T 12 | 11 43 | 23 5 | 4 33 | 4 3 | 1 5 | 1 29 | 0 24 | 3 0 | 0 37 | 21 38 | 0 20 | 15 22 | 2 17 | 0 14 | 0 45 | 4 41 | 1 48 | 0 58 | 14 34 | 3 19 | 3 57 | 3 29 | 9 21 | 5 42 |
| F 13 | 11 21 | 18 52 | 3 55 | 3 21 | 1 19 | 2 1 | 0 21 | 2 41 | 0 37 | 21 36 | 0 20 | 15 22 | 2 17 | 0 13 | 0 45 | 4 40 | 1 48 | 0 59 | 14 33 | 3 16 | 3 56 | 3 33 | 9 20 | 5 42 |
| S 14 | 11 0 | 13 56 | 3 6 | 2 42 | 1 34 | 2 33 | 0 18 | 2 22 | 0 36 | 21 34 | 0 20 | 15 22 | 2 18 | 0 12 | 0 45 | 4 40 | 1 48 | 0 59 | 14 33 | 3 14 | 3 55 | 3 36 | 9 19 | 5 42 |
| S 15 | 10 38 | 8 31 | 2 10 | 2 5 | 1 48 | 3 4 | 0 14 | 2 3 | 0 35 | 21 31 | 0 21 | 15 22 | 2 18 | 0 11 | 0 45 | 4 39 | 1 48 | 1 0 | 14 33 | 3 12 | 3 54 | 3 40 | 9 17 | 5 42 |
| M16 | 10 17 | 2 52 | 1 8 | 1 32 | 2 2 | 3 36 | 0 11 | 1 45 | 0 35 | 21 29 | 0 21 | 15 22 | 2 18 | 0 10 | 0 45 | 4 39 | 1 48 | 1 0 | 14 32 | 3 11 | 3 52 | 3 43 | 9 16 | 5 42 |
| T 17 | 9 55 | 2s50 | 0 4 | 1 2 | 2 16 | 4 7 | 0 8 | 1 26 | 0 34 | 21 27 | 0 21 | 15 22 | 2 18 | 0 9 | 0 45 | 4 38 | 1 49 | 1 1 | 14 32 | 3 11 | 3 51 | 3 46 | 9 15 | 5 42 |
| W18 | 9 33 | 8 26 | 1s 0 | 0 35 | 2 29 | 4 38 | 0 5 | 1 7 | 0 33 | 21 25 | 0 21 | 15 22 | 2 18 | 0 9 | 0 45 | 4 38 | 1 49 | 1 1 | 14 32 | 3 11 | 3 50 | 3 50 | 9 13 | 5 42 |
| T 19 | 9 11 | 13 44 | 2 2 | 0 13 | 2 42 | 5 10 | 0 1 | 0 48 | 0 33 | 21 23 | 0 21 | 15 22 | 2 18 | 0 8 | 0 45 | 4 37 | 1 49 | 1 2 | 14 31 | 3 12 | 3 49 | 3 53 | 9 12 | 5 42 |
| F 20 | 8 48 | 18 34 | 2 59 | 0n 5 | 2 53 | 5 41 | 0n 2 | 0 29 | 0 32 | 21 20 | 0 21 | 15 22 | 2 19 | 0 7 | 0 45 | 4 37 | 1 49 | 1 2 | 14 31 | 3 12 | 3 47 | 3 57 | 9 11 | 5 42 |
| S 21 | 8 26 | 22 44 | 3 49 | 0 18 | 3 4 | 6 12 | 0 6 | 0 11 | 0 31 | 21 18 | 0 21 | 15 22 | 2 19 | 0 6 | 0 45 | 4 36 | 1 49 | 1 3 | 14 31 | 3 13 | 3 46 | 4 0 | 9 10 | 5 42 |
| S 22 | 8 3 | 26 0 | 4 29 | 0 27 | 3 14 | 6 43 | 0 9 | 0n 8 | 0 31 | 21 16 | 0 21 | 15 21 | 2 19 | 0 5 | 0 45 | 4 36 | 1 49 | 1 3 | 14 31 | 3 13 | 3 45 | 4 4 | 9 8 | 5 42 |
| M23 | 7 41 | 28 5 | 4 58 | 0 32 | 3 22 | 7 13 | 0 13 | 0 27 | 0 30 | 21 14 | 0 22 | 15 21 | 2 19 | 0 4 | 0 45 | 4 35 | 1 49 | 1 4 | 14 30 | 3 13 | 3 44 | 4 7 | 9 7 | 5 42 |
| T 24 | 7 18 | 28 45 | 5 13 | 0 32 | 3 28 | 7 44 | 0 16 | 0 45 | 0 29 | 21 12 | 0 22 | 15 21 | 2 19 | 0 3 | 0 45 | 4 35 | 1 49 | 1 4 | 14 30 | 3 13 | 3 42 | 4 10 | 9 5 | 5 42 |
| W25 | 6 55 | 27 46 | 5 12 | 0 27 | 3 33 | 8 14 | 0 20 | 1 4 | 0 29 | 21 9 | 0 22 | 15 21 | 2 20 | 0 2 | 0 45 | 4 34 | 1 49 | 1 5 | 14 30 | 3 11 | 3 41 | 4 14 | 9 4 | 5 42 |
| T 26 | 6 32 | 25 6 | 4 52 | 0 18 | 3 37 | 8 44 | 0 24 | 1 23 | 0 28 | 21 7 | 0 22 | 15 20 | 2 20 | 0 1 | 0 45 | 4 34 | 1 49 | 1 5 | 14 29 | 3 10 | 3 40 | 4 17 | 9 3 | 5 42 |
| F 27 | 6 9 | 20 49 | 4 15 | 0 4 | 3 38 | 9 14 | 0 27 | 1 41 | 0 27 | 21 5 | 0 22 | 15 20 | 2 20 | 0 0 | 0 45 | 4 33 | 1 49 | 1 6 | 14 29 | 3 9 | 3 39 | 4 21 | 9 1 | 5 42 |
| S 28 | 5s46 | 15s10 | 3s20 | 0s13 | 3n38 | 9n44 | 0n31 | 2n 0 | 0s27 | 21s 3 | 0s22 | 15s20 | 2n20 | 0n 1 | 0n45 | 4s33 | 1n49 | 1n 6 | 14s29 | 3n 8 | 3n37 | 4s24 | 9s 0 | 5n43 |

Julian Day Number = 2134186.5, Delta T = 16m09s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'34, Lahiri = 11°44'35 Julian Calendar 1 Feb. 1131 == Greg. Calendar 8 Feb. 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## MARCH 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 58 6 | 16♓26'24 | 13♓27 | 20°R17 | 24♈56 | 6♈46 | 28♋ 5 | 19°R 4 | 1°R40 | 15°R43 | 9♉58 | 7°R48 | 9♈ 3 | 10♎50 | 21♒32 | S 1 |
| M 2 | 11 2 3 | 17°25'59 | 28°32 | 19♓27 | 26° 6 | 7°31 | 28°17 | 19♏ 3 | 1♎37 | 15♎41 | 9°59 | 7♈47 | 8°59 | 10°57 | 21°36 | M 2 |
| T 3 | 11 5 59 | 18°25'31 | 13♈37 | 18°34 | 27°17 | 8°16 | 28°28 | 19° 2 | 1°35 | 15°40 | 10° 0 | 7°D47 | 8°56 | 11° 4 | 21°40 | T 3 |
| W 4 | 11 9 56 | 19°25'02 | 28°32 | 17°40 | 28°27 | 9° 1 | 28°40 | 19° 1 | 1°32 | 15°38 | 10° 1 | 7°48 | 8°53 | 11°10 | 21°44 | W 4 |
| T 5 | 11 13 52 | 20°24'30 | 13♉12 | 16°47 | 29°38 | 9°46 | 28°51 | 19° 0 | 1°30 | 15°37 | 10° 1 | 7°49 | 8°50 | 11°17 | 21°48 | T 5 |
| F 6 | 11 17 49 | 21°23'56 | 27°32 | 15°54 | 0♉48 | 10°30 | 29° 2 | 18°58 | 1°27 | 15°35 | 10° 2 | 7°50 | 8°47 | 11°24 | 21°52 | F 6 |
| S 7 | 11 21 45 | 22°23'19 | 11♊29 | 15° 4 | 1°58 | 11°15 | 29°13 | 18°57 | 1°25 | 15°34 | 10° 3 | 7°51 | 8°44 | 11°30 | 21°55 | S 7 |
| S 8 | 11 25 42 | 23°22'41 | 25° 3 | 14°16 | 3° 8 | 12° 0 | 29°24 | 18°55 | 1°22 | 15°33 | 10° 4 | 7°R51 | 8°40 | 11°37 | 21°59 | S 8 |
| M 9 | 11 29 38 | 24°21'59 | 8♋15 | 13°32 | 4°18 | 12°44 | 29°35 | 18°54 | 1°20 | 15°31 | 10° 5 | 7°51 | 8°37 | 11°44 | 22° 3 | M 9 |
| T 10 | 11 33 35 | 25°21'16 | 21° 8 | 12°53 | 5°28 | 13°29 | 29°46 | 18°52 | 1°17 | 15°30 | 10° 6 | 7°50 | 8°34 | 11°50 | 22° 6 | T 10 |
| W11 | 11 37 31 | 26°20'30 | 3♌44 | 12°19 | 6°37 | 14°13 | 29°57 | 18°50 | 1°14 | 15°28 | 10° 7 | 7°48 | 8°31 | 11°57 | 22°10 | W11 |
| T 12 | 11 41 28 | 27°19'41 | 16° 6 | 11°50 | 7°47 | 14°58 | 0♒ 8 | 18°48 | 1°12 | 15°26 | 10° 8 | 7°47 | 8°28 | 12° 4 | 22°14 | T 12 |
| F 13 | 11 45 25 | 28°18'51 | 28°17 | 11°26 | 8°56 | 15°42 | 0°18 | 18°46 | 1° 9 | 15°25 | 10° 9 | 7°45 | 8°24 | 12°10 | 22°17 | F 13 |
| S 14 | 11 49 21 | 29°17'58 | 10♍19 | 11° 8 | 10° 5 | 16°27 | 0°29 | 18°44 | 1° 7 | 15°23 | 10°10 | 7°44 | 8°21 | 12°17 | 22°21 | S 14 |
| S 15 | 11 53 18 | 0♈17'03 | 22°14 | 10°56 | 11°14 | 17°11 | 0°39 | 18°42 | 1° 4 | 15°22 | 10°12 | 7°43 | 8°18 | 12°24 | 22°24 | S 15 |
| M16 | 11 57 14 | 1°16'05 | 4♎ 5 | 10°49 | 12°23 | 17°55 | 0°49 | 18°40 | 1° 2 | 15°20 | 10°13 | 7°D43 | 8°15 | 12°30 | 22°28 | M16 |
| T 17 | 12 1 11 | 2°15'06 | 15°53 | 10°D48 | 13°32 | 18°39 | 0°59 | 18°38 | 0°59 | 15°19 | 10°14 | 7°43 | 8°12 | 12°37 | 22°31 | T 17 |
| W18 | 12 5 7 | 3°14'05 | 27°41 | 10°52 | 14°40 | 19°24 | 1° 9 | 18°35 | 0°56 | 15°17 | 10°15 | 7°43 | 8° 9 | 12°43 | 22°35 | W18 |
| T 19 | 12 9 4 | 4°13'02 | 9♏31 | 11° 2 | 15°49 | 20° 8 | 1°19 | 18°33 | 0°54 | 15°15 | 10°16 | 7°44 | 8° 5 | 12°50 | 22°38 | T 19 |
| F 20 | 12 13 0 | 5°11'56 | 21°26 | 11°16 | 16°57 | 20°52 | 1°29 | 18°30 | 0°51 | 15°14 | 10°17 | 7°44 | 8° 2 | 12°57 | 22°41 | F 20 |
| S 21 | 12 16 57 | 6°10'50 | 3♐30 | 11°36 | 18° 5 | 21°36 | 1°39 | 18°28 | 0°49 | 15°12 | 10°18 | 7°44 | 7°59 | 13° 3 | 22°45 | S 21 |
| S 22 | 12 20 54 | 7° 9'41 | 15°46 | 12° 0 | 19°13 | 22°20 | 1°48 | 18°25 | 0°46 | 15°11 | 10°19 | 7°45 | 7°56 | 13°10 | 22°48 | S 22 |
| M23 | 12 24 50 | 8° 8'30 | 28°18 | 12°29 | 20°21 | 23° 4 | 1°57 | 18°22 | 0°44 | 15° 9 | 10°20 | 7°R45 | 7°53 | 13°17 | 22°51 | M23 |
| T 24 | 12 28 47 | 9° 7'18 | 11♑ 9 | 13° 2 | 21°28 | 23°47 | 2° 7 | 18°19 | 0°41 | 15° 7 | 10°22 | 7°D45 | 7°50 | 13°23 | 22°55 | T 24 |
| W25 | 12 32 43 | 10° 6'04 | 24°24 | 13°39 | 22°36 | 24°31 | 2°16 | 18°16 | 0°38 | 15° 6 | 10°23 | 7°45 | 7°46 | 13°30 | 22°58 | W25 |
| T 26 | 12 36 40 | 11° 4'48 | 8♒ 4 | 14°20 | 23°43 | 25°15 | 2°25 | 18°13 | 0°36 | 15° 4 | 10°24 | 7°45 | 7°43 | 13°37 | 23° 1 | T 26 |
| F 27 | 12 40 36 | 12° 3'31 | 22°10 | 15° 4 | 24°50 | 25°59 | 2°34 | 18°10 | 0°33 | 15° 2 | 10°25 | 7°45 | 7°40 | 13°43 | 23° 4 | F 27 |
| S 28 | 12 44 33 | 13° 2'11 | 6♓41 | 15°52 | 25°57 | 26°42 | 2°43 | 18° 7 | 0°31 | 15° 1 | 10°26 | 7°46 | 7°37 | 13°50 | 23° 7 | S 28 |
| S 29 | 12 48 29 | 14° 0'50 | 21°33 | 16°44 | 27° 4 | 27°26 | 2°52 | 18° 4 | 0°28 | 14°59 | 10°28 | 7°46 | 7°34 | 13°57 | 23°10 | S 29 |
| M30 | 12 52 26 | 14°59'27 | 6♈40 | 17°38 | 28°10 | 28°10 | 3° 0 | 18° 0 | 0°26 | 14°58 | 10°29 | 7°R46 | 7°30 | 14° 3 | 23°13 | M30 |
| T 31 | 12 56 23 | 15♈58'02 | 21♈52 | 18♓36 | 29♉16 | 28♈53 | 3♒ 9 | 17♏57 | 0♎23 | 14♎56 | 10♉30 | 7♈46 | 7♈27 | 14♎10 | 23♒16 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s23 | 8s33 | 2s10 | 0s34 | 3n36 | 10n14 | 0n34 | 2n18 | 0s26 | 21s 1 | 0s23 | 15s19 | 2n20 | 0n 2 | 0n45 | 4s32 | 1n49 | 1n 7 | 14s29 | 3n 7 | 3n36 | 4s28 | 8s59 | 5n43 |
| M 2 | 4 59 | 1 22 | 0 51 | 0 57 | 3 31 | 10 43 | 0 38 | 2 37 | 0 25 | 20 58 | 0 23 | 15 19 | 2 21 | 0 3 | 0 45 | 4 32 | 1 49 | 1 7 | 14 28 | 3 6 | 3 35 | 4 31 | 8 57 | 5 43 |
| T 3 | 4 36 | 5n53 | 0n32 | 1 24 | 3 25 | 11 12 | 0 42 | 2 55 | 0 25 | 20 56 | 0 23 | 15 18 | 2 21 | 0 4 | 0 46 | 4 31 | 1 49 | 1 8 | 14 28 | 3 6 | 3 34 | 4 34 | 8 56 | 5 43 |
| W 4 | 4 13 | 12 45 | 1 52 | 1 52 | 3 18 | 11 41 | 0 46 | 3 13 | 0 24 | 20 54 | 0 23 | 15 18 | 2 21 | 0 5 | 0 46 | 4 30 | 1 49 | 1 8 | 14 28 | 3 6 | 3 32 | 4 38 | 8 55 | 5 43 |
| T 5 | 3 49 | 18 48 | 3 4 | 2 21 | 3 8 | 12 10 | 0 49 | 3 32 | 0 23 | 20 52 | 0 23 | 15 17 | 2 21 | 0 6 | 0 46 | 4 30 | 1 49 | 1 9 | 14 28 | 3 7 | 3 31 | 4 41 | 8 54 | 5 43 |
| F 6 | 3 26 | 23 37 | 4 2 | 2 52 | 2 57 | 12 38 | 0 53 | 3 50 | 0 23 | 20 50 | 0 23 | 15 17 | 2 21 | 0 7 | 0 46 | 4 29 | 1 49 | 1 9 | 14 27 | 3 7 | 3 30 | 4 45 | 8 52 | 5 43 |
| S 7 | 3 2 | 26 57 | 4 44 | 3 23 | 2 45 | 13 6 | 0 57 | 4 8 | 0 22 | 20 48 | 0 23 | 15 16 | 2 21 | 0 8 | 0 46 | 4 29 | 1 49 | 1 10 | 14 27 | 3 8 | 3 29 | 4 48 | 8 51 | 5 43 |
| S 8 | 2 38 | 28 36 | 5 9 | 3 53 | 2 32 | 13 34 | 1 0 | 4 26 | 0 21 | 20 45 | 0 24 | 15 16 | 2 22 | 0 9 | 0 46 | 4 28 | 1 49 | 1 10 | 14 27 | 3 8 | 3 27 | 4 52 | 8 50 | 5 44 |
| M 9 | 2 15 | 28 34 | 5 17 | 4 23 | 2 18 | 14 1 | 1 4 | 4 44 | 0 21 | 20 43 | 0 24 | 15 15 | 2 22 | 0 10 | 0 46 | 4 27 | 1 49 | 1 11 | 14 27 | 3 8 | 3 26 | 4 55 | 8 48 | 5 44 |
| T 10 | 1 51 | 26 57 | 5 8 | 4 52 | 2 3 | 14 28 | 1 8 | 5 2 | 0 20 | 20 41 | 0 24 | 15 15 | 2 22 | 0 11 | 0 46 | 4 27 | 1 49 | 1 11 | 14 26 | 3 7 | 3 25 | 4 58 | 8 47 | 5 44 |
| W11 | 1 28 | 24 1 | 4 45 | 5 19 | 1 48 | 14 55 | 1 12 | 5 20 | 0 19 | 20 39 | 0 24 | 15 14 | 2 22 | 0 12 | 0 46 | 4 26 | 1 49 | 1 12 | 14 26 | 3 7 | 3 24 | 5 2 | 8 46 | 5 44 |
| T 12 | 1 4 | 20 2 | 4 9 | 5 44 | 1 32 | 15 21 | 1 15 | 5 38 | 0 19 | 20 37 | 0 24 | 15 13 | 2 22 | 0 13 | 0 46 | 4 26 | 1 49 | 1 12 | 14 26 | 3 6 | 3 22 | 5 5 | 8 44 | 5 44 |
| F 13 | 0 40 | 15 17 | 3 22 | 6 8 | 1 17 | 15 47 | 1 19 | 5 56 | 0 18 | 20 35 | 0 24 | 15 13 | 2 22 | 0 14 | 0 46 | 4 25 | 1 49 | 1 13 | 14 26 | 3 5 | 3 21 | 5 9 | 8 43 | 5 44 |
| S 14 | 0 17 | 9 59 | 2 26 | 6 29 | 1 1 | 16 13 | 1 23 | 6 14 | 0 17 | 20 33 | 0 25 | 15 12 | 2 23 | 0 15 | 0 46 | 4 24 | 1 49 | 1 13 | 14 25 | 3 5 | 3 20 | 5 12 | 8 42 | 5 45 |
| S 15 | 0n 7 | 4 24 | 1 25 | 6 48 | 0 46 | 16 38 | 1 26 | 6 31 | 0 17 | 20 31 | 0 25 | 15 11 | 2 23 | 0 16 | 0 46 | 4 24 | 1 49 | 1 14 | 14 25 | 3 5 | 3 18 | 5 15 | 8 40 | 5 45 |
| M16 | 0 30 | 1s19 | 0 20 | 7 5 | 0 30 | 17 3 | 1 30 | 6 49 | 0 16 | 20 29 | 0 25 | 15 10 | 2 23 | 0 17 | 0 46 | 4 23 | 1 49 | 1 14 | 14 25 | 3 5 | 3 17 | 5 19 | 8 39 | 5 45 |
| T 17 | 0 54 | 6 58 | 0s45 | 7 19 | 0 16 | 17 28 | 1 34 | 7 6 | 0 15 | 20 27 | 0 25 | 15 10 | 2 23 | 0 18 | 0 46 | 4 23 | 1 49 | 1 15 | 14 25 | 3 5 | 3 16 | 5 22 | 8 38 | 5 45 |
| W18 | 1 18 | 12 23 | 1 49 | 7 31 | 0 1 | 17 52 | 1 37 | 7 24 | 0 15 | 20 24 | 0 25 | 15 9 | 2 23 | 0 19 | 0 46 | 4 22 | 1 49 | 1 15 | 14 25 | 3 5 | 3 15 | 5 26 | 8 37 | 5 45 |
| T 19 | 1 41 | 17 23 | 2 48 | 7 40 | 0s13 | 18 16 | 1 41 | 7 41 | 0 14 | 20 22 | 0 25 | 15 8 | 2 23 | 0 20 | 0 46 | 4 21 | 1 49 | 1 16 | 14 24 | 3 5 | 3 13 | 5 29 | 8 35 | 5 45 |
| F 20 | 2 5 | 21 45 | 3 40 | 7 47 | 0 26 | 18 39 | 1 45 | 7 59 | 0 13 | 20 20 | 0 26 | 15 7 | 2 23 | 0 21 | 0 46 | 4 21 | 1 50 | 1 16 | 14 24 | 3 5 | 3 12 | 5 33 | 8 34 | 5 46 |
| S 21 | 2 28 | 25 15 | 4 23 | 7 51 | 0 39 | 19 2 | 1 48 | 8 16 | 0 13 | 20 18 | 0 26 | 15 6 | 2 24 | 0 22 | 0 46 | 4 20 | 1 50 | 1 17 | 14 24 | 3 5 | 3 11 | 5 36 | 8 33 | 5 46 |
| S 22 | 2 51 | 27 41 | 4 55 | 7 53 | 0 52 | 19 24 | 1 52 | 8 33 | 0 12 | 20 17 | 0 26 | 15 5 | 2 24 | 0 23 | 0 45 | 4 19 | 1 50 | 1 17 | 14 24 | 3 5 | 3 10 | 5 39 | 8 32 | 5 46 |
| M23 | 3 15 | 28 46 | 5 14 | 7 53 | 1 3 | 19 46 | 1 55 | 8 50 | 0 11 | 20 15 | 0 26 | 15 5 | 2 24 | 0 24 | 0 45 | 4 19 | 1 50 | 1 18 | 14 24 | 3 5 | 3 8 | 5 43 | 8 30 | 5 46 |
| T 24 | 3 38 | 28 21 | 5 17 | 7 50 | 1 14 | 20 7 | 1 59 | 9 7 | 0 11 | 20 13 | 0 26 | 15 4 | 2 24 | 0 25 | 0 45 | 4 18 | 1 50 | 1 19 | 14 23 | 3 5 | 3 7 | 5 46 | 8 29 | 5 46 |
| W25 | 4 1 | 26 20 | 5 5 | 7 46 | 1 25 | 20 28 | 2 2 | 9 23 | 0 10 | 20 11 | 0 26 | 15 3 | 2 24 | 0 26 | 0 45 | 4 17 | 1 50 | 1 19 | 14 23 | 3 5 | 3 6 | 5 50 | 8 28 | 5 47 |
| T 26 | 4 24 | 22 45 | 4 35 | 7 39 | 1 35 | 20 49 | 2 5 | 9 40 | 0 9 | 20 9 | 0 27 | 15 2 | 2 24 | 0 27 | 0 45 | 4 17 | 1 50 | 1 20 | 14 23 | 3 5 | 3 5 | 5 53 | 8 27 | 5 47 |
| F 27 | 4 47 | 17 46 | 3 47 | 7 30 | 1 44 | 21 9 | 2 9 | 9 57 | 0 9 | 20 7 | 0 27 | 15 1 | 2 24 | 0 28 | 0 45 | 4 16 | 1 50 | 1 20 | 14 23 | 3 5 | 3 3 | 5 56 | 8 25 | 5 47 |
| S 28 | 5 10 | 11 39 | 2 44 | 7 19 | 1 52 | 21 28 | 2 12 | 10 13 | 0 8 | 20 5 | 0 27 | 15 0 | 2 24 | 0 29 | 0 45 | 4 15 | 1 50 | 1 21 | 14 23 | 3 6 | 3 2 | 6 0 | 8 24 | 5 47 |
| S 29 | 5 33 | 4 44 | 1 29 | 7 6 | 2 0 | 21 47 | 2 15 | 10 30 | 0 7 | 20 3 | 0 27 | 14 59 | 2 25 | 0 30 | 0 45 | 4 15 | 1 50 | 1 21 | 14 23 | 3 6 | 3 1 | 6 3 | 8 23 | 5 48 |
| M30 | 5 56 | 2n34 | 0 6 | 6 51 | 2 7 | 22 6 | 2 18 | 10 46 | 0 7 | 20 1 | 0 27 | 14 58 | 2 25 | 0 31 | 0 45 | 4 14 | 1 50 | 1 22 | 14 22 | 3 6 | 3 0 | 6 7 | 8 22 | 5 48 |
| T 31 | 6n19 | 9n46 | 1n18 | 6s35 | 2s14 | 22n23 | 2n21 | 11n 2 | 0s 6 | 20s 0 | 0s28 | 14s57 | 2n25 | 0n32 | 0n45 | 4s14 | 1n50 | 1n22 | 14s22 | 3n 6 | 2n58 | 6s10 | 8s21 | 5n48 |

Julian Day Number = 2134214.5, Delta T = 16m09s
Ecliptic obliquity = 23°33'17, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'38, Lahiri = 11°44'38 Julian Calendar 1 March 1131 == Greg. Calendar 8 March 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## APRIL 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 0 19 | 16♈56'35 | 7♉ 1 | 19♓36 | 0♊23 | 29♈37 | 3♒17 | 17°R54 | 0°R21 | 14°R54 | 10♉31 | 7°R45 | 7♈24 | 14♎16 | 23♒19 | W 1 |
| T 2 | 13 4 16 | 17°55'06 | 21°56 | 20°40 | 1°28 | 0♉20 | 3°25 | 17♏50 | 0♎19 | 14♎53 | 10°33 | 7♈44 | 7°21 | 14°23 | 23°22 | T 2 |
| F 3 | 13 8 12 | 18°53'35 | 6♊32 | 21°46 | 2°34 | 1° 3 | 3°33 | 17°47 | 0°16 | 14°51 | 10°34 | 7°43 | 7°18 | 14°30 | 23°24 | F 3 |
| S 4 | 13 12 9 | 19°52'02 | 20°42 | 22°54 | 3°40 | 1°47 | 3°41 | 17°43 | 0°14 | 14°49 | 10°35 | 7°42 | 7°15 | 14°36 | 23°27 | S 4 |
| S 5 | 13 16 5 | 20°50'27 | 4♋25 | 24° 5 | 4°45 | 2°30 | 3°49 | 17°39 | 0°11 | 14°48 | 10°37 | 7°41 | 7°11 | 14°43 | 23°30 | S 5 |
| M 6 | 13 20 2 | 21°48'50 | 17°41 | 25°18 | 5°50 | 3°13 | 3°56 | 17°36 | 0° 9 | 14°46 | 10°38 | 7°D40 | 7° 8 | 14°50 | 23°32 | M 6 |
| T 7 | 13 23 58 | 22°47'10 | 0♌34 | 26°34 | 6°55 | 3°56 | 4° 4 | 17°32 | 0° 7 | 14°44 | 10°39 | 7°40 | 7° 5 | 14°56 | 23°35 | T 7 |
| W 8 | 13 27 55 | 23°45'28 | 13° 5 | 27°51 | 7°59 | 4°40 | 4°11 | 17°28 | 0° 4 | 14°43 | 10°40 | 7°41 | 7° 2 | 15° 3 | 23°38 | W 8 |
| T 9 | 13 31 52 | 24°43'44 | 25°20 | 29°11 | 9° 3 | 5°23 | 4°18 | 17°24 | 0° 2 | 14°41 | 10°42 | 7°42 | 6°59 | 15°10 | 23°40 | T 9 |
| F 10 | 13 35 48 | 25°41'58 | 7♍23 | 0♈34 | 10° 7 | 6° 6 | 4°25 | 17°20 | 29♍59 | 14°40 | 10°43 | 7°44 | 6°56 | 15°16 | 23°43 | F 10 |
| S 11 | 13 39 45 | 26°40'10 | 19°17 | 1°58 | 11°11 | 6°49 | 4°32 | 17°16 | 29°58 | 14°38 | 10°44 | 7°45 | 6°52 | 15°23 | 23°45 | S 11 |
| S 12 | 13 43 41 | 27°38'20 | 1♎ 6 | 3°24 | 12°14 | 7°31 | 4°39 | 17°12 | 29°55 | 14°36 | 10°46 | 7°46 | 6°49 | 15°30 | 23°47 | S 12 |
| M13 | 13 47 38 | 28°36'28 | 12°53 | 4°52 | 13°18 | 8°14 | 4°46 | 17° 8 | 29°53 | 14°35 | 10°47 | 7°R46 | 6°46 | 15°36 | 23°50 | M13 |
| T 14 | 13 51 34 | 29°34'34 | 24°41 | 6°22 | 14°20 | 8°57 | 4°52 | 17° 4 | 29°51 | 14°33 | 10°48 | 7°45 | 6°43 | 15°43 | 23°52 | T 14 |
| W15 | 13 55 31 | 0♉32'39 | 6♏32 | 7°55 | 15°23 | 9°40 | 4°58 | 17° 0 | 29°49 | 14°32 | 10°50 | 7°43 | 6°40 | 15°50 | 23°54 | W15 |
| T 16 | 13 59 27 | 1°30'42 | 18°29 | 9°29 | 16°25 | 10°23 | 5° 4 | 16°55 | 29°47 | 14°30 | 10°51 | 7°40 | 6°36 | 15°56 | 23°56 | T 16 |
| F 17 | 14 3 24 | 2°28'43 | 0♐33 | 11° 5 | 17°27 | 11° 5 | 5°10 | 16°51 | 29°45 | 14°29 | 10°52 | 7°36 | 6°33 | 16° 3 | 23°58 | F 17 |
| S 18 | 14 7 21 | 3°26'43 | 12°46 | 12°43 | 18°29 | 11°48 | 5°16 | 16°47 | 29°43 | 14°27 | 10°54 | 7°32 | 6°30 | 16° 9 | 24° 0 | S 18 |
| S 19 | 14 11 17 | 4°24'41 | 25°10 | 14°23 | 19°30 | 12°30 | 5°22 | 16°43 | 29°41 | 14°26 | 10°55 | 7°28 | 6°27 | 16°16 | 24° 2 | S 19 |
| M20 | 14 15 14 | 5°22'38 | 7♑48 | 16° 5 | 20°31 | 13°13 | 5°27 | 16°38 | 29°39 | 14°24 | 10°56 | 7°24 | 6°24 | 16°23 | 24° 4 | M20 |
| T 21 | 14 19 10 | 6°20'34 | 20°41 | 17°49 | 21°31 | 13°55 | 5°33 | 16°34 | 29°37 | 14°23 | 10°58 | 7°22 | 6°21 | 16°29 | 24° 6 | T 21 |
| W22 | 14 23 7 | 7°18'28 | 3♒53 | 19°35 | 22°32 | 14°38 | 5°38 | 16°30 | 29°35 | 14°21 | 10°59 | 7°D21 | 6°17 | 16°36 | 24° 8 | W22 |
| T 23 | 14 27 3 | 8°16'21 | 17°26 | 21°23 | 23°32 | 15°20 | 5°43 | 16°25 | 29°33 | 14°20 | 11° 0 | 7°21 | 6°14 | 16°43 | 24°10 | T 23 |
| F 24 | 14 31 0 | 9°14'12 | 1♓20 | 23°13 | 24°31 | 16° 3 | 5°48 | 16°21 | 29°31 | 14°18 | 11° 2 | 7°22 | 6°11 | 16°49 | 24°12 | F 24 |
| S 25 | 14 34 56 | 10°12'03 | 15°36 | 25° 4 | 25°30 | 16°45 | 5°52 | 16°16 | 29°30 | 14°17 | 11° 3 | 7°24 | 6° 8 | 16°56 | 24°13 | S 25 |
| S 26 | 14 38 53 | 11° 9'52 | 0♈13 | 26°58 | 26°29 | 17°27 | 5°57 | 16°12 | 29°28 | 14°15 | 11° 4 | 7°R25 | 6° 5 | 17° 3 | 24°15 | S 26 |
| M27 | 14 42 50 | 12° 7'40 | 15° 7 | 28°54 | 27°27 | 18° 9 | 6° 1 | 16° 8 | 29°26 | 14°14 | 11° 6 | 7°25 | 6° 1 | 17° 9 | 24°16 | M27 |
| T 28 | 14 46 46 | 13° 5'26 | 0♉10 | 0♉51 | 28°25 | 18°51 | 6° 5 | 16° 3 | 29°25 | 14°12 | 11° 7 | 7°23 | 5°58 | 17°16 | 24°18 | T 28 |
| W29 | 14 50 43 | 14° 3'11 | 15°15 | 2°51 | 29°22 | 19°34 | 6° 9 | 15°59 | 29°23 | 14°11 | 11° 9 | 7°20 | 5°55 | 17°23 | 24°19 | W29 |
| T 30 | 14 54 39 | 15♉ 0'55 | 0♊12 | 4♉52 | 0♋19 | 20♉16 | 6♒13 | 15♏54 | 29♍21 | 14♎10 | 11♉10 | 7♈15 | 5♈52 | 17♎29 | 24♒21 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n41 | 16n22 | 2n35 | 6s16 | 2s20 | 22n41 | 2n24 | 11n18 | 0s 6 | 19s58 | 0s28 | 14s56 | 2n25 | 0n33 | 0n45 | 4s13 | 1n50 | 1n23 | 14s22 | 3n 6 | 2n57 | 6s13 | 8s20 | 5n48 |
| T 2 | 7 4 | 21 54 | 3 41 | 5 56 | 2 25 | 22 58 | 2 27 | 11 34 | 0 5 | 19 56 | 0 28 | 14 55 | 2 25 | 0 34 | 0 45 | 4 12 | 1 50 | 1 23 | 14 22 | 3 5 | 2 56 | 6 17 | 8 18 | 5 49 |
| F 3 | 7 26 | 25 57 | 4 31 | 5 35 | 2 30 | 23 14 | 2 30 | 11 50 | 0 4 | 19 55 | 0 28 | 14 54 | 2 25 | 0 35 | 0 45 | 4 12 | 1 50 | 1 24 | 14 22 | 3 5 | 2 55 | 6 20 | 8 17 | 5 49 |
| S 4 | 7 48 | 28 16 | 5 3 | 5 11 | 2 34 | 23 30 | 2 33 | 12 6 | 0 4 | 19 53 | 0 28 | 14 52 | 2 25 | 0 36 | 0 45 | 4 11 | 1 50 | 1 24 | 14 22 | 3 4 | 2 53 | 6 24 | 8 16 | 5 49 |
| S 5 | 8 10 | 28 45 | 5 16 | 4 46 | 2 38 | 23 45 | 2 36 | 12 21 | 0 3 | 19 51 | 0 28 | 14 51 | 2 25 | 0 37 | 0 45 | 4 10 | 1 50 | 1 25 | 14 22 | 3 4 | 2 52 | 6 27 | 8 15 | 5 49 |
| M 6 | 8 32 | 27 32 | 5 12 | 4 20 | 2 40 | 23 59 | 2 39 | 12 37 | 0 2 | 19 50 | 0 29 | 14 50 | 2 25 | 0 38 | 0 45 | 4 10 | 1 50 | 1 25 | 14 22 | 3 3 | 2 51 | 6 30 | 8 14 | 5 50 |
| T 7 | 8 54 | 24 53 | 4 52 | 3 52 | 2 43 | 24 13 | 2 41 | 12 52 | 0 2 | 19 48 | 0 29 | 14 49 | 2 25 | 0 39 | 0 45 | 4 9 | 1 50 | 1 26 | 14 21 | 3 4 | 2 49 | 6 34 | 8 13 | 5 50 |
| W 8 | 9 16 | 21 6 | 4 19 | 3 22 | 2 44 | 24 27 | 2 44 | 13 7 | 0 1 | 19 46 | 0 29 | 14 48 | 2 25 | 0 40 | 0 45 | 4 9 | 1 50 | 1 26 | 14 21 | 3 4 | 2 48 | 6 37 | 8 12 | 5 50 |
| T 9 | 9 37 | 16 29 | 3 34 | 2 51 | 2 46 | 24 39 | 2 46 | 13 22 | 0 0 | 19 45 | 0 29 | 14 47 | 2 26 | 0 41 | 0 45 | 4 8 | 1 50 | 1 27 | 14 21 | 3 4 | 2 47 | 6 41 | 8 11 | 5 50 |
| F 10 | 9 59 | 11 19 | 2 40 | 2 19 | 2 46 | 24 51 | 2 49 | 13 37 | 0n 0 | 19 43 | 0 29 | 14 46 | 2 26 | 0 42 | 0 45 | 4 7 | 1 50 | 1 27 | 14 21 | 3 5 | 2 46 | 6 44 | 8 10 | 5 51 |
| S 11 | 10 20 | 5 48 | 1 41 | 1 45 | 2 46 | 25 3 | 2 51 | 13 52 | 0 1 | 19 42 | 0 30 | 14 44 | 2 26 | 0 42 | 0 45 | 4 7 | 1 50 | 1 28 | 14 21 | 3 5 | 2 44 | 6 47 | 8 9 | 5 51 |
| S 12 | 10 41 | 0 8 | 0 37 | 1 10 | 2 45 | 25 14 | 2 53 | 14 7 | 0 2 | 19 41 | 0 30 | 14 43 | 2 26 | 0 43 | 0 45 | 4 6 | 1 50 | 1 28 | 14 21 | 3 6 | 2 43 | 6 51 | 8 8 | 5 51 |
| M13 | 11 2 | 5s33 | 0s28 | 0 34 | 2 44 | 25 24 | 2 56 | 14 21 | 0 2 | 19 39 | 0 30 | 14 42 | 2 26 | 0 44 | 0 45 | 4 5 | 1 50 | 1 29 | 14 21 | 3 6 | 2 42 | 6 54 | 8 7 | 5 52 |
| T 14 | 11 23 | 11 2 | 1 32 | 0n 3 | 2 42 | 25 34 | 2 58 | 14 36 | 0 3 | 19 38 | 0 30 | 14 41 | 2 26 | 0 45 | 0 45 | 4 5 | 1 50 | 1 29 | 14 21 | 3 5 | 2 41 | 6 57 | 8 6 | 5 52 |
| W15 | 11 43 | 16 9 | 2 32 | 0 42 | 2 40 | 25 43 | 3 0 | 14 50 | 0 3 | 19 36 | 0 30 | 14 40 | 2 26 | 0 46 | 0 45 | 4 4 | 1 50 | 1 30 | 14 21 | 3 5 | 2 39 | 7 1 | 8 5 | 5 52 |
| T 16 | 12 3 | 20 42 | 3 26 | 1 22 | 2 37 | 25 52 | 3 1 | 15 4 | 0 4 | 19 35 | 0 31 | 14 38 | 2 26 | 0 47 | 0 45 | 4 4 | 1 50 | 1 30 | 14 21 | 3 3 | 2 38 | 7 4 | 8 4 | 5 52 |
| F 17 | 12 23 | 24 27 | 4 11 | 2 3 | 2 34 | 26 0 | 3 3 | 15 18 | 0 5 | 19 34 | 0 31 | 14 37 | 2 26 | 0 47 | 0 45 | 4 3 | 1 50 | 1 30 | 14 20 | 3 2 | 2 37 | 7 8 | 8 3 | 5 53 |
| S 18 | 12 43 | 27 9 | 4 45 | 2 45 | 2 30 | 26 7 | 3 5 | 15 32 | 0 5 | 19 33 | 0 31 | 14 36 | 2 26 | 0 48 | 0 45 | 4 3 | 1 50 | 1 31 | 14 20 | 3 0 | 2 36 | 7 11 | 8 2 | 5 53 |
| S 19 | 13 3 | 28 34 | 5 6 | 3 28 | 2 25 | 26 14 | 3 6 | 15 46 | 0 6 | 19 32 | 0 31 | 14 35 | 2 26 | 0 49 | 0 45 | 4 2 | 1 49 | 1 31 | 14 20 | 2 58 | 2 34 | 7 14 | 8 1 | 5 53 |
| M20 | 13 23 | 28 32 | 5 14 | 4 12 | 2 20 | 26 20 | 3 8 | 15 59 | 0 7 | 19 30 | 0 32 | 14 34 | 2 26 | 0 50 | 0 45 | 4 1 | 1 49 | 1 32 | 14 20 | 2 57 | 2 33 | 7 18 | 8 0 | 5 54 |
| T 21 | 13 42 | 26 59 | 5 5 | 4 57 | 2 15 | 26 25 | 3 9 | 16 13 | 0 7 | 19 29 | 0 32 | 14 32 | 2 26 | 0 50 | 0 45 | 4 1 | 1 49 | 1 32 | 14 20 | 2 56 | 2 32 | 7 21 | 7 59 | 5 54 |
| W22 | 14 1 | 23 55 | 4 41 | 5 43 | 2 9 | 26 30 | 3 10 | 16 26 | 0 8 | 19 28 | 0 32 | 14 31 | 2 26 | 0 51 | 0 45 | 4 0 | 1 49 | 1 33 | 14 20 | 2 56 | 2 31 | 7 24 | 7 58 | 5 54 |
| T 23 | 14 20 | 19 30 | 4 0 | 6 29 | 2 2 | 26 35 | 3 11 | 16 39 | 0 8 | 19 27 | 0 32 | 14 30 | 2 26 | 0 52 | 0 45 | 4 0 | 1 49 | 1 33 | 14 20 | 2 56 | 2 29 | 7 28 | 7 57 | 5 55 |
| F 24 | 14 38 | 13 56 | 3 5 | 7 17 | 1 55 | 26 38 | 3 12 | 16 52 | 0 9 | 19 26 | 0 32 | 14 29 | 2 26 | 0 53 | 0 45 | 3 59 | 1 49 | 1 34 | 14 20 | 2 56 | 2 28 | 7 31 | 7 56 | 5 55 |
| S 25 | 14 57 | 7 29 | 1 57 | 8 5 | 1 48 | 26 41 | 3 13 | 17 5 | 0 10 | 19 25 | 0 33 | 14 27 | 2 26 | 0 53 | 0 45 | 3 59 | 1 49 | 1 34 | 14 20 | 2 57 | 2 27 | 7 35 | 7 55 | 5 55 |
| S 26 | 15 15 | 0 31 | 0 39 | 8 54 | 1 40 | 26 44 | 3 13 | 17 17 | 0 10 | 19 24 | 0 33 | 14 26 | 2 26 | 0 54 | 0 45 | 3 58 | 1 49 | 1 34 | 14 20 | 2 57 | 2 25 | 7 38 | 7 55 | 5 55 |
| M27 | 15 33 | 6n37 | 0n42 | 9 43 | 1 31 | 26 46 | 3 14 | 17 30 | 0 11 | 19 23 | 0 33 | 14 25 | 2 26 | 0 54 | 0 45 | 3 58 | 1 49 | 1 35 | 14 20 | 2 57 | 2 24 | 7 41 | 7 54 | 5 56 |
| T 28 | 15 51 | 13 28 | 2 1 | 10 32 | 1 22 | 26 47 | 3 14 | 17 42 | 0 11 | 19 23 | 0 33 | 14 24 | 2 26 | 0 55 | 0 45 | 3 57 | 1 49 | 1 35 | 14 20 | 2 57 | 2 23 | 7 45 | 7 53 | 5 56 |
| W29 | 16 8 | 19 32 | 3 12 | 11 22 | 1 13 | 26 48 | 3 14 | 17 54 | 0 12 | 19 22 | 0 33 | 14 22 | 2 26 | 0 56 | 0 45 | 3 57 | 1 49 | 1 36 | 14 20 | 2 55 | 2 22 | 7 48 | 7 52 | 5 56 |
| T 30 | 16n25 | 24n20 | 4n 8 | 12n12 | 1s 4 | 26n48 | 3n15 | 18n 6 | 0n13 | 19s21 | 0s34 | 14s21 | 2n26 | 0n56 | 0n45 | 3s56 | 1n49 | 1n36 | 14s20 | 2n53 | 2n20 | 7s51 | 7s51 | 5n57 |

Julian Day Number = 2134245.5, Delta T = 16m08s
Ecliptic obliquity = 23°33'17, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'42, Lahiri = 11°44'43 Julian Calendar 1 Apr. 1131 == Greg. Calendar 8 Apr. 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## MAY 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 58 36 | 15♉58'38 | 14♊53 | 6♉55 | 1♋15 | 20♉58 | 6♒17 | 15°R50 | 29°R20 | 14°R 8 | 11♉11 | 7°R 9 | 5♈49 | 17♎36 | 24♒22 | F 1 |
| S 2 | 15 2 32 | 16°56'19 | 29°11 | 8°59 | 2°11 | 21°40 | 6°20 | 15♏45 | 29♍18 | 14♎ 7 | 11°13 | 7♈ 4 | 5°46 | 17°43 | 24°23 | S 2 |
| S 3 | 15 6 29 | 17°53'59 | 13♋ 1 | 11° 6 | 3° 7 | 22°21 | 6°23 | 15°41 | 29°17 | 14° 6 | 11°14 | 6°58 | 5°42 | 17°49 | 24°25 | S 3 |
| M 4 | 15 10 25 | 18°51'37 | 26°24 | 13°13 | 4° 2 | 23° 3 | 6°26 | 15°36 | 29°16 | 14° 4 | 11°15 | 6°55 | 5°39 | 17°56 | 24°26 | M 4 |
| T 5 | 15 14 22 | 19°49'13 | 9♌20 | 15°22 | 4°56 | 23°45 | 6°29 | 15°32 | 29°14 | 14° 3 | 11°17 | 6°52 | 5°36 | 18° 2 | 24°27 | T 5 |
| W 6 | 15 18 19 | 20°46'48 | 21°53 | 17°32 | 5°50 | 24°27 | 6°32 | 15°27 | 29°13 | 14° 2 | 11°18 | 6°D52 | 5°33 | 18° 9 | 24°28 | W 6 |
| T 7 | 15 22 15 | 21°44'21 | 4♍ 7 | 19°43 | 6°43 | 25° 9 | 6°34 | 15°23 | 29°12 | 14° 1 | 11°19 | 6°52 | 5°30 | 18°16 | 24°29 | T 7 |
| F 8 | 15 26 12 | 22°41'53 | 16° 7 | 21°54 | 7°35 | 25°50 | 6°37 | 15°19 | 29°10 | 13°59 | 11°21 | 6°54 | 5°27 | 18°22 | 24°30 | F 8 |
| S 9 | 15 30 8 | 23°39'23 | 27°58 | 24° 6 | 8°27 | 26°32 | 6°39 | 15°14 | 29° 9 | 13°58 | 11°22 | 6°55 | 5°23 | 18°29 | 24°31 | S 9 |
| S 10 | 15 34 5 | 24°36'52 | 9♎45 | 26°18 | 9°18 | 27°13 | 6°41 | 15°10 | 29° 8 | 13°57 | 11°23 | 6°R55 | 5°20 | 18°36 | 24°31 | S 10 |
| M11 | 15 38 1 | 25°34'20 | 21°32 | 28°29 | 10° 9 | 27°55 | 6°43 | 15° 5 | 29° 7 | 13°56 | 11°25 | 6°54 | 5°17 | 18°42 | 24°32 | M11 |
| T 12 | 15 41 58 | 26°31'47 | 3♏23 | 0♊40 | 10°59 | 28°36 | 6°44 | 15° 1 | 29° 6 | 13°55 | 11°26 | 6°51 | 5°14 | 18°49 | 24°33 | T 12 |
| W13 | 15 45 54 | 27°29'12 | 15°21 | 2°51 | 11°48 | 29°18 | 6°46 | 14°57 | 29° 5 | 13°54 | 11°27 | 6°45 | 5°11 | 18°56 | 24°34 | W13 |
| T 14 | 15 49 51 | 28°26'36 | 27°27 | 5° 1 | 12°36 | 29°59 | 6°47 | 14°53 | 29° 4 | 13°53 | 11°29 | 6°38 | 5° 7 | 19° 2 | 24°34 | T 14 |
| F 15 | 15 53 48 | 29°24'00 | 9♐44 | 7° 9 | 13°24 | 0♊41 | 6°48 | 14°48 | 29° 3 | 13°52 | 11°30 | 6°29 | 5° 4 | 19° 9 | 24°35 | F 15 |
| S 16 | 15 57 44 | 0♊21'22 | 22°11 | 9°16 | 14°10 | 1°22 | 6°49 | 14°44 | 29° 3 | 13°51 | 11°31 | 6°19 | 5° 1 | 19°16 | 24°35 | S 16 |
| S 17 | 16 1 41 | 1°18'44 | 4♑51 | 11°21 | 14°56 | 2° 3 | 6°49 | 14°40 | 29° 2 | 13°50 | 11°32 | 6°10 | 4°58 | 19°22 | 24°35 | S 17 |
| M18 | 16 5 37 | 2°16'05 | 17°42 | 13°24 | 15°41 | 2°44 | 6°50 | 14°36 | 29° 1 | 13°49 | 11°34 | 6° 2 | 4°55 | 19°29 | 24°36 | M18 |
| T 19 | 16 9 34 | 3°13'26 | 0♒47 | 15°26 | 16°25 | 3°25 | 6°50 | 14°32 | 29° 0 | 13°48 | 11°35 | 5°55 | 4°52 | 19°36 | 24°36 | T 19 |
| W20 | 16 13 30 | 4°10'45 | 14° 4 | 17°25 | 17° 8 | 4° 7 | 6°R50 | 14°28 | 29° 0 | 13°47 | 11°36 | 5°51 | 4°48 | 19°42 | 24°36 | W20 |
| T 21 | 16 17 27 | 5° 8'05 | 27°37 | 19°23 | 17°50 | 4°48 | 6°50 | 14°23 | 28°59 | 13°46 | 11°38 | 5°50 | 4°45 | 19°49 | 24°36 | T 21 |
| F 22 | 16 21 23 | 6° 5'23 | 11♓25 | 21°18 | 18°31 | 5°29 | 6°50 | 14°19 | 28°59 | 13°45 | 11°39 | 5°D49 | 4°42 | 19°56 | 24°37 | F 22 |
| S 23 | 16 25 20 | 7° 2'41 | 25°30 | 23°10 | 19°11 | 6°10 | 6°49 | 14°16 | 28°58 | 13°44 | 11°40 | 5°50 | 4°39 | 20° 2 | 24°R37 | S 23 |
| S 24 | 16 29 17 | 7°59'59 | 9♈50 | 25° 1 | 19°50 | 6°51 | 6°49 | 14°12 | 28°58 | 13°43 | 11°41 | 5°R50 | 4°36 | 20° 9 | 24°37 | S 24 |
| M25 | 16 33 13 | 8°57'16 | 24°24 | 26°49 | 20°28 | 7°31 | 6°48 | 14° 8 | 28°57 | 13°43 | 11°43 | 5°49 | 4°33 | 20°15 | 24°36 | M25 |
| T 26 | 16 37 10 | 9°54'33 | 9♉ 7 | 28°34 | 21° 5 | 8°12 | 6°47 | 14° 4 | 28°57 | 13°42 | 11°44 | 5°45 | 4°29 | 20°22 | 24°36 | T 26 |
| W27 | 16 41 6 | 10°51'50 | 23°54 | 0♋17 | 21°40 | 8°53 | 6°45 | 14° 0 | 28°57 | 13°41 | 11°45 | 5°39 | 4°26 | 20°29 | 24°36 | W27 |
| T 28 | 16 45 3 | 11°49'06 | 8♊38 | 1°58 | 22°14 | 9°34 | 6°44 | 13°57 | 28°57 | 13°40 | 11°46 | 5°31 | 4°23 | 20°35 | 24°36 | T 28 |
| F 29 | 16 48 59 | 12°46'22 | 23° 9 | 3°36 | 22°47 | 10°15 | 6°42 | 13°53 | 28°56 | 13°40 | 11°47 | 5°21 | 4°20 | 20°42 | 24°36 | F 29 |
| S 30 | 16 52 56 | 13°43'37 | 7♋23 | 5°11 | 23°19 | 10°55 | 6°40 | 13°49 | 28°56 | 13°39 | 11°49 | 5°11 | 4°17 | 20°49 | 24°35 | S 30 |
| S 31 | 16 56 52 | 14♊40'51 | 21♋12 | 6♋44 | 23♋49 | 11♊36 | 6♒38 | 13♏46 | 28♍56 | 13♎39 | 11♉50 | 5♈ 1 | 4♈13 | 20♎55 | 24♒35 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n42 | 27n27 | 4n48 | 13n 2 | 0s54 | 26n47 | 3n14 | 18n18 | 0n13 | 19s20 | 0s34 | 14s20 | 2n26 | 0n57 | 0n45 | 3s56 | 1n49 | 1n36 | 14s20 | 2n51 | 2n19 | 7s55 | 7s51 | 5n57 |
| S 2 | 16 59 | 28 41 | 5 8 | 13 52 | 0 44 | 26 46 | 3 14 | 18 29 | 0 14 | 19 20 | 0 34 | 14 19 | 2 26 | 0 57 | 0 45 | 3 55 | 1 49 | 1 37 | 14 20 | 2 49 | 2 18 | 7 58 | 7 50 | 5 57 |
| S 3 | 17 15 | 28 2 | 5 9 | 14 42 | 0 33 | 26 45 | 3 14 | 18 41 | 0 14 | 19 19 | 0 34 | 14 17 | 2 26 | 0 58 | 0 45 | 3 55 | 1 49 | 1 37 | 14 20 | 2 47 | 2 17 | 8 1 | 7 49 | 5 58 |
| M 4 | 17 31 | 25 46 | 4 53 | 15 31 | 0 23 | 26 43 | 3 13 | 18 52 | 0 15 | 19 19 | 0 35 | 14 16 | 2 26 | 0 59 | 0 44 | 3 54 | 1 49 | 1 38 | 14 20 | 2 45 | 2 15 | 8 5 | 7 49 | 5 58 |
| T 5 | 17 47 | 22 13 | 4 22 | 16 19 | 0 12 | 26 40 | 3 12 | 19 3 | 0 16 | 19 18 | 0 35 | 14 15 | 2 26 | 0 59 | 0 44 | 3 54 | 1 49 | 1 38 | 14 20 | 2 44 | 2 14 | 8 8 | 7 48 | 5 58 |
| W 6 | 18 2 | 17 45 | 3 40 | 17 7 | 0 2 | 26 37 | 3 11 | 19 14 | 0 16 | 19 18 | 0 35 | 14 14 | 2 26 | 1 0 | 0 44 | 3 53 | 1 49 | 1 38 | 14 20 | 2 44 | 2 13 | 8 11 | 7 47 | 5 59 |
| T 7 | 18 17 | 12 40 | 2 48 | 17 53 | 0n 9 | 26 33 | 3 10 | 19 25 | 0 17 | 19 17 | 0 35 | 14 12 | 2 25 | 1 0 | 0 44 | 3 53 | 1 49 | 1 39 | 14 20 | 2 44 | 2 12 | 8 15 | 7 47 | 5 59 |
| F 8 | 18 32 | 7 12 | 1 50 | 18 38 | 0 19 | 26 29 | 3 9 | 19 35 | 0 17 | 19 17 | 0 36 | 14 11 | 2 25 | 1 0 | 0 44 | 3 52 | 1 49 | 1 39 | 14 20 | 2 45 | 2 10 | 8 18 | 7 46 | 5 59 |
| S 9 | 18 47 | 1 33 | 0 48 | 19 22 | 0 30 | 26 24 | 3 8 | 19 46 | 0 18 | 19 17 | 0 36 | 14 10 | 2 25 | 1 1 | 0 44 | 3 52 | 1 49 | 1 39 | 14 20 | 2 45 | 2 9 | 8 22 | 7 45 | 6 0 |
| S 10 | 19 1 | 4s 7 | 0s15 | 20 3 | 0 40 | 26 19 | 3 6 | 19 56 | 0 19 | 19 16 | 0 36 | 14 9 | 2 25 | 1 1 | 0 44 | 3 51 | 1 49 | 1 40 | 14 20 | 2 46 | 2 8 | 8 25 | 7 45 | 6 0 |
| M11 | 19 15 | 9 39 | 1 18 | 20 43 | 0 49 | 26 13 | 3 4 | 20 6 | 0 19 | 19 16 | 0 36 | 14 8 | 2 25 | 1 2 | 0 44 | 3 51 | 1 49 | 1 40 | 14 20 | 2 45 | 2 7 | 8 28 | 7 44 | 6 0 |
| T 12 | 19 28 | 14 52 | 2 18 | 21 21 | 0 59 | 26 7 | 3 2 | 20 16 | 0 20 | 19 16 | 0 36 | 14 6 | 2 25 | 1 2 | 0 44 | 3 51 | 1 49 | 1 41 | 14 20 | 2 44 | 2 5 | 8 32 | 7 44 | 6 1 |
| W13 | 19 42 | 19 34 | 3 12 | 21 56 | 1 8 | 26 1 | 3 0 | 20 26 | 0 20 | 19 16 | 0 37 | 14 5 | 2 25 | 1 2 | 0 44 | 3 50 | 1 49 | 1 41 | 14 20 | 2 42 | 2 4 | 8 35 | 7 43 | 6 1 |
| T 14 | 19 55 | 23 32 | 3 58 | 22 29 | 1 16 | 25 54 | 2 57 | 20 35 | 0 21 | 19 16 | 0 37 | 14 4 | 2 25 | 1 3 | 0 44 | 3 50 | 1 49 | 1 41 | 14 20 | 2 39 | 2 3 | 8 38 | 7 43 | 6 1 |
| F 15 | 20 7 | 26 31 | 4 33 | 22 59 | 1 24 | 25 46 | 2 55 | 20 44 | 0 21 | 19 16 | 0 37 | 14 3 | 2 25 | 1 3 | 0 44 | 3 49 | 1 49 | 1 41 | 14 20 | 2 35 | 2 1 | 8 42 | 7 42 | 6 2 |
| S 16 | 20 19 | 28 15 | 4 56 | 23 27 | 1 31 | 25 38 | 2 52 | 20 54 | 0 22 | 19 16 | 0 37 | 14 2 | 2 25 | 1 3 | 0 44 | 3 49 | 1 49 | 1 42 | 14 20 | 2 31 | 2 0 | 8 45 | 7 42 | 6 2 |
| S 17 | 20 31 | 28 33 | 5 5 | 23 52 | 1 38 | 25 30 | 2 48 | 21 2 | 0 23 | 19 16 | 0 38 | 14 1 | 2 25 | 1 4 | 0 44 | 3 49 | 1 49 | 1 42 | 14 20 | 2 28 | 1 59 | 8 48 | 7 41 | 6 2 |
| M18 | 20 43 | 27 19 | 4 59 | 24 14 | 1 44 | 25 22 | 2 45 | 21 11 | 0 23 | 19 16 | 0 38 | 14 0 | 2 24 | 1 4 | 0 44 | 3 48 | 1 49 | 1 42 | 14 21 | 2 24 | 1 58 | 8 52 | 7 41 | 6 3 |
| T 19 | 20 54 | 24 35 | 4 37 | 24 34 | 1 49 | 25 13 | 2 41 | 21 20 | 0 24 | 19 16 | 0 38 | 13 59 | 2 24 | 1 4 | 0 44 | 3 48 | 1 49 | 1 43 | 14 21 | 2 22 | 1 56 | 8 55 | 7 40 | 6 3 |
| W20 | 21 5 | 20 31 | 4 1 | 24 50 | 1 53 | 25 3 | 2 38 | 21 28 | 0 24 | 19 16 | 0 38 | 13 58 | 2 24 | 1 4 | 0 44 | 3 48 | 1 49 | 1 43 | 14 21 | 2 20 | 1 55 | 8 58 | 7 40 | 6 3 |
| T 21 | 21 16 | 15 19 | 3 10 | 25 4 | 1 57 | 24 54 | 2 33 | 21 36 | 0 25 | 19 17 | 0 39 | 13 56 | 2 24 | 1 5 | 0 44 | 3 47 | 1 48 | 1 43 | 14 21 | 2 19 | 1 54 | 9 2 | 7 40 | 6 4 |
| F 22 | 21 26 | 9 16 | 2 7 | 25 16 | 2 0 | 24 44 | 2 29 | 21 44 | 0 25 | 19 17 | 0 39 | 13 55 | 2 24 | 1 5 | 0 44 | 3 47 | 1 48 | 1 44 | 14 21 | 2 19 | 1 53 | 9 5 | 7 39 | 6 4 |
| S 23 | 21 35 | 2 38 | 0 55 | 25 25 | 2 3 | 24 33 | 2 24 | 21 52 | 0 26 | 19 17 | 0 39 | 13 54 | 2 24 | 1 5 | 0 44 | 3 47 | 1 48 | 1 44 | 14 21 | 2 20 | 1 51 | 9 8 | 7 39 | 6 4 |
| S 24 | 21 45 | 4n14 | 0n21 | 25 32 | 2 4 | 24 23 | 2 20 | 22 0 | 0 27 | 19 18 | 0 39 | 13 53 | 2 24 | 1 5 | 0 44 | 3 47 | 1 48 | 1 44 | 14 21 | 2 20 | 1 50 | 9 11 | 7 39 | 6 5 |
| M25 | 21 54 | 11 0 | 1 37 | 25 36 | 2 5 | 24 12 | 2 14 | 22 7 | 0 27 | 19 18 | 0 40 | 13 52 | 2 23 | 1 5 | 0 44 | 3 46 | 1 48 | 1 44 | 14 21 | 2 19 | 1 49 | 9 15 | 7 38 | 6 5 |
| T 26 | 22 3 | 17 15 | 2 48 | 25 38 | 2 5 | 24 1 | 2 9 | 22 14 | 0 28 | 19 19 | 0 40 | 13 51 | 2 23 | 1 5 | 0 44 | 3 46 | 1 48 | 1 45 | 14 21 | 2 18 | 1 48 | 9 18 | 7 38 | 6 5 |
| W27 | 22 11 | 22 30 | 3 47 | 25 38 | 2 4 | 23 50 | 2 3 | 22 21 | 0 28 | 19 19 | 0 40 | 13 50 | 2 23 | 1 5 | 0 44 | 3 46 | 1 48 | 1 45 | 14 21 | 2 15 | 1 46 | 9 21 | 7 38 | 6 6 |
| T 28 | 22 19 | 26 18 | 4 31 | 25 35 | 2 3 | 23 38 | 1 57 | 22 28 | 0 29 | 19 20 | 0 40 | 13 50 | 2 23 | 1 5 | 0 44 | 3 46 | 1 48 | 1 45 | 14 21 | 2 12 | 1 45 | 9 25 | 7 38 | 6 6 |
| F 29 | 22 26 | 28 18 | 4 56 | 25 31 | 2 1 | 23 26 | 1 51 | 22 35 | 0 29 | 19 20 | 0 41 | 13 49 | 2 23 | 1 5 | 0 44 | 3 45 | 1 48 | 1 45 | 14 22 | 2 8 | 1 44 | 9 28 | 7 37 | 6 6 |
| S 30 | 22 33 | 28 23 | 5 3 | 25 25 | 1 58 | 23 15 | 1 44 | 22 41 | 0 30 | 19 21 | 0 41 | 13 48 | 2 23 | 1 5 | 0 43 | 3 45 | 1 48 | 1 46 | 14 22 | 2 4 | 1 42 | 9 31 | 7 37 | 6 7 |
| S 31 | 22n40 | 26n40 | 4n51 | 25n17 | 1n54 | 23n 2 | 1n37 | 22n47 | 0n30 | 19s22 | 0s41 | 13s47 | 2n22 | 1n 5 | 0n43 | 3s45 | 1n48 | 1n46 | 14s22 | 2n 0 | 1n41 | 9s35 | 7s37 | 6n 7 |

Julian Day Number = 2134275.5, Delta T = 16m08s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'46, Lahiri = 11°44'47 Julian Calendar 1 May 1131 == Greg. Calendar 8 May 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## JUNE 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 0 49 | 15♊38'05 | 4♌36 | 8♋15 | 24♋17 | 12♊17 | 6°R36 | 13°R42 | 28°D56 | 13°R38 | 11♉51 | 4°R53 | 4♈10 | 21♎ 2 | 24°R34 | M 1 |
| T 2 | 17 4 46 | 16°35'18 | 17°34 | 9°43 | 24°44 | 12°57 | 6♒34 | 13♏39 | 28♍56 | 13♎37 | 11°52 | 4♈48 | 4° 7 | 21° 9 | 24♒34 | T 2 |
| W 3 | 17 8 42 | 17°32'31 | 0♍ 8 | 11° 8 | 25° 9 | 13°38 | 6°31 | 13°36 | 28°56 | 13°37 | 11°53 | 4°44 | 4° 4 | 21°15 | 24°33 | W 3 |
| T 4 | 17 12 39 | 18°29'42 | 12°23 | 12°31 | 25°33 | 14°18 | 6°28 | 13°32 | 28°57 | 13°36 | 11°54 | 4°43 | 4° 1 | 21°22 | 24°32 | T 4 |
| F 5 | 17 16 35 | 19°26'54 | 24°24 | 13°51 | 25°55 | 14°59 | 6°25 | 13°29 | 28°57 | 13°36 | 11°55 | 4°D43 | 3°58 | 21°29 | 24°32 | F 5 |
| S 6 | 17 20 32 | 20°24'04 | 6♎15 | 15° 8 | 26°15 | 15°39 | 6°22 | 13°26 | 28°57 | 13°36 | 11°57 | 4°R43 | 3°54 | 21°35 | 24°31 | S 6 |
| S 7 | 17 24 28 | 21°21'14 | 18° 3 | 16°23 | 26°34 | 16°19 | 6°19 | 13°23 | 28°57 | 13°35 | 11°58 | 4°42 | 3°51 | 21°42 | 24°30 | S 7 |
| M 8 | 17 28 25 | 22°18'24 | 29°53 | 17°35 | 26°50 | 17° 0 | 6°16 | 13°20 | 28°58 | 13°35 | 11°59 | 4°40 | 3°48 | 21°49 | 24°29 | M 8 |
| T 9 | 17 32 21 | 23°15'33 | 11♏48 | 18°44 | 27° 4 | 17°40 | 6°12 | 13°17 | 28°58 | 13°34 | 12° 0 | 4°35 | 3°45 | 21°55 | 24°28 | T 9 |
| W10 | 17 36 18 | 24°12'42 | 23°53 | 19°49 | 27°17 | 18°20 | 6° 8 | 13°14 | 28°59 | 13°34 | 12° 1 | 4°28 | 3°42 | 22° 2 | 24°27 | W10 |
| T 11 | 17 40 15 | 25° 9'51 | 6♐10 | 20°52 | 27°27 | 19° 0 | 6° 4 | 13°12 | 28°59 | 13°34 | 12° 2 | 4°18 | 3°39 | 22° 9 | 24°26 | T 11 |
| F 12 | 17 44 11 | 26° 6'59 | 18°40 | 21°52 | 27°35 | 19°41 | 6° 0 | 13° 9 | 29° 0 | 13°34 | 12° 3 | 4° 6 | 3°35 | 22°15 | 24°25 | F 12 |
| S 13 | 17 48 8 | 27° 4'08 | 1♑25 | 22°49 | 27°42 | 20°21 | 5°56 | 13° 6 | 29° 0 | 13°33 | 12° 4 | 3°53 | 3°32 | 22°22 | 24°24 | S 13 |
| S 14 | 17 52 4 | 28° 1'16 | 14°24 | 23°42 | 27°45 | 21° 1 | 5°51 | 13° 4 | 29° 1 | 13°33 | 12° 5 | 3°41 | 3°29 | 22°29 | 24°22 | S 14 |
| M15 | 17 56 1 | 28°58'25 | 27°36 | 24°32 | 27°R47 | 21°41 | 5°46 | 13° 1 | 29° 2 | 13°33 | 12° 6 | 3°30 | 3°26 | 22°35 | 24°21 | M15 |
| T 16 | 17 59 57 | 29°55'33 | 11♒ 0 | 25°19 | 27°46 | 22°21 | 5°42 | 12°59 | 29° 3 | 13°33 | 12° 7 | 3°21 | 3°23 | 22°42 | 24°20 | T 16 |
| W17 | 18 3 54 | 0♋52'42 | 24°33 | 26° 1 | 27°43 | 23° 1 | 5°37 | 12°57 | 29° 3 | 13°33 | 12° 8 | 3°15 | 3°19 | 22°48 | 24°18 | W17 |
| T 18 | 18 7 51 | 1°49'51 | 8♓16 | 26°40 | 27°37 | 23°41 | 5°31 | 12°55 | 29° 4 | 13°33 | 12° 9 | 3°12 | 3°16 | 22°55 | 24°17 | T 18 |
| F 19 | 18 11 47 | 2°47'01 | 22° 9 | 27°15 | 27°29 | 24°21 | 5°26 | 12°52 | 29° 5 | 13°D33 | 12°10 | 3°11 | 3°13 | 23° 2 | 24°15 | F 19 |
| S 20 | 18 15 44 | 3°44'11 | 6♈10 | 27°46 | 27°19 | 25° 0 | 5°21 | 12°50 | 29° 6 | 13°33 | 12°11 | 3°11 | 3°10 | 23° 8 | 24°14 | S 20 |
| S 21 | 18 19 40 | 4°41'21 | 20°19 | 28°13 | 27° 7 | 25°40 | 5°15 | 12°49 | 29° 7 | 13°33 | 12°12 | 3°11 | 3° 7 | 23°15 | 24°12 | S 21 |
| M22 | 18 23 37 | 5°38'32 | 4♉36 | 28°36 | 26°52 | 26°20 | 5° 9 | 12°47 | 29° 8 | 13°33 | 12°12 | 3° 9 | 3° 4 | 23°22 | 24°11 | M22 |
| T 23 | 18 27 33 | 6°35'44 | 18°57 | 28°54 | 26°34 | 27° 0 | 5° 4 | 12°45 | 29° 9 | 13°33 | 12°13 | 3° 4 | 3° 0 | 23°28 | 24° 9 | T 23 |
| W24 | 18 31 30 | 7°32'56 | 3♊21 | 29° 7 | 26°15 | 27°40 | 4°58 | 12°43 | 29°11 | 13°33 | 12°14 | 2°57 | 2°57 | 23°35 | 24° 7 | W24 |
| T 25 | 18 35 26 | 8°30'09 | 17°41 | 29°16 | 25°53 | 28°19 | 4°52 | 12°42 | 29°12 | 13°33 | 12°15 | 2°48 | 2°54 | 23°42 | 24° 5 | T 25 |
| F 26 | 18 39 23 | 9°27'22 | 1♋51 | 29°R20 | 25°29 | 28°59 | 4°45 | 12°40 | 29°13 | 13°34 | 12°16 | 2°37 | 2°51 | 23°48 | 24° 3 | F 26 |
| S 27 | 18 43 20 | 10°24'36 | 15°48 | 29°19 | 25° 3 | 29°39 | 4°39 | 12°39 | 29°15 | 13°34 | 12°17 | 2°25 | 2°48 | 23°55 | 24° 2 | S 27 |
| S 28 | 18 47 16 | 11°21'50 | 29°25 | 29°14 | 24°35 | 0♋18 | 4°32 | 12°38 | 29°16 | 13°34 | 12°17 | 2°14 | 2°45 | 24° 2 | 24° 0 | S 28 |
| M29 | 18 51 13 | 12°19'04 | 12♌41 | 29° 3 | 24° 6 | 0°58 | 4°26 | 12°36 | 29°17 | 13°34 | 12°18 | 2° 5 | 2°41 | 24° 8 | 23°58 | M29 |
| T 30 | 18 55 9 | 13♋16'19 | 25♌34 | 28♋48 | 23♋34 | 1♋37 | 4♒19 | 12♏35 | 29♍19 | 13♎35 | 12♉19 | 1♈58 | 2♈38 | 24♎15 | 23♒56 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n47 | 23n28 | 4n24 | 25n 8 | 1n50 | 22n50 | 1n30 | 22n53 | 0n31 | 19s23 | 0s41 | 13s46 | 2n22 | 1n 5 | 0n43 | 3s45 | 1n48 | 1n46 | 14s22 | 1n57 | 1n40 | 9s38 | 7s37 | 6n 7 |
| T 2 | 22 53 | 19 11 | 3 43 | 24 57 | 1 45 | 22 38 | 1 22 | 22 59 | 0 31 | 19 23 | 0 42 | 13 45 | 2 22 | 1 5 | 0 43 | 3 45 | 1 48 | 1 46 | 14 22 | 1 55 | 1 39 | 9 41 | 7 37 | 6 8 |
| W 3 | 22 58 | 14 10 | 2 53 | 24 45 | 1 40 | 22 26 | 1 14 | 23 4 | 0 32 | 19 24 | 0 42 | 13 44 | 2 22 | 1 5 | 0 43 | 3 45 | 1 48 | 1 46 | 14 22 | 1 53 | 1 37 | 9 45 | 7 37 | 6 8 |
| T 4 | 23 3 | 8 44 | 1 56 | 24 31 | 1 34 | 22 13 | 1 6 | 23 10 | 0 33 | 19 25 | 0 42 | 13 44 | 2 22 | 1 5 | 0 43 | 3 44 | 1 48 | 1 47 | 14 22 | 1 53 | 1 36 | 9 48 | 7 37 | 6 8 |
| F 5 | 23 8 | 3 4 | 0 55 | 24 16 | 1 27 | 22 1 | 0 58 | 23 15 | 0 33 | 19 26 | 0 42 | 13 43 | 2 22 | 1 5 | 0 43 | 3 44 | 1 48 | 1 47 | 14 23 | 1 53 | 1 35 | 9 51 | 7 37 | 6 9 |
| S 6 | 23 12 | 2s37 | 0s 8 | 24 1 | 1 20 | 21 48 | 0 49 | 23 20 | 0 34 | 19 27 | 0 42 | 13 42 | 2 21 | 1 5 | 0 43 | 3 44 | 1 48 | 1 47 | 14 23 | 1 53 | 1 34 | 9 54 | 7 37 | 6 9 |
| S 7 | 23 16 | 8 12 | 1 10 | 23 44 | 1 12 | 21 35 | 0 39 | 23 25 | 0 34 | 19 28 | 0 43 | 13 41 | 2 21 | 1 5 | 0 43 | 3 44 | 1 48 | 1 47 | 14 23 | 1 53 | 1 32 | 9 58 | 7 37 | 6 9 |
| M 8 | 23 20 | 13 30 | 2 9 | 23 26 | 1 3 | 21 23 | 0 30 | 23 29 | 0 35 | 19 29 | 0 43 | 13 41 | 2 21 | 1 4 | 0 43 | 3 44 | 1 48 | 1 47 | 14 23 | 1 52 | 1 31 | 10 1 | 7 37 | 6 10 |
| T 9 | 23 23 | 18 21 | 3 3 | 23 8 | 0 54 | 21 10 | 0 20 | 23 34 | 0 35 | 19 31 | 0 43 | 13 40 | 2 21 | 1 4 | 0 43 | 3 44 | 1 48 | 1 47 | 14 23 | 1 50 | 1 30 | 10 4 | 7 37 | 6 10 |
| W10 | 23 26 | 22 32 | 3 49 | 22 49 | 0 44 | 20 57 | 0 9 | 23 38 | 0 36 | 19 32 | 0 43 | 13 39 | 2 21 | 1 4 | 0 43 | 3 44 | 1 47 | 1 48 | 14 23 | 1 47 | 1 29 | 10 8 | 7 37 | 6 10 |
| T 11 | 23 28 | 25 48 | 4 25 | 22 29 | 0 34 | 20 45 | 0s 1 | 23 42 | 0 36 | 19 33 | 0 44 | 13 39 | 2 20 | 1 4 | 0 43 | 3 44 | 1 47 | 1 48 | 14 24 | 1 43 | 1 27 | 10 11 | 7 37 | 6 11 |
| F 12 | 23 30 | 27 53 | 4 50 | 22 9 | 0 24 | 20 33 | 0 12 | 23 46 | 0 37 | 19 34 | 0 44 | 13 38 | 2 20 | 1 3 | 0 43 | 3 44 | 1 47 | 1 48 | 14 24 | 1 38 | 1 26 | 10 14 | 7 37 | 6 11 |
| S 13 | 23 31 | 28 33 | 5 0 | 21 49 | 0 12 | 20 20 | 0 24 | 23 49 | 0 37 | 19 36 | 0 44 | 13 37 | 2 20 | 1 3 | 0 43 | 3 44 | 1 47 | 1 48 | 14 24 | 1 33 | 1 25 | 10 17 | 7 37 | 6 11 |
| S 14 | 23 32 | 27 40 | 4 55 | 21 28 | 0 1 | 20 8 | 0 35 | 23 52 | 0 38 | 19 37 | 0 44 | 13 37 | 2 20 | 1 3 | 0 43 | 3 44 | 1 47 | 1 48 | 14 24 | 1 28 | 1 23 | 10 21 | 7 37 | 6 11 |
| M15 | 23 33 | 25 13 | 4 35 | 21 8 | 0s12 | 19 56 | 0 47 | 23 56 | 0 38 | 19 38 | 0 45 | 13 36 | 2 19 | 1 2 | 0 43 | 3 44 | 1 47 | 1 48 | 14 24 | 1 24 | 1 22 | 10 24 | 7 37 | 6 12 |
| T 16 | 23 33 | 21 23 | 3 59 | 20 47 | 0 24 | 19 44 | 1 0 | 23 59 | 0 39 | 19 40 | 0 45 | 13 36 | 2 19 | 1 2 | 0 43 | 3 44 | 1 47 | 1 48 | 14 24 | 1 20 | 1 21 | 10 27 | 7 37 | 6 12 |
| W17 | 23 33 | 16 22 | 3 9 | 20 26 | 0 37 | 19 32 | 1 12 | 24 1 | 0 39 | 19 41 | 0 45 | 13 35 | 2 19 | 1 2 | 0 43 | 3 44 | 1 47 | 1 48 | 14 25 | 1 18 | 1 20 | 10 30 | 7 38 | 6 12 |
| T 18 | 23 32 | 10 29 | 2 8 | 20 6 | 0 51 | 19 21 | 1 25 | 24 4 | 0 40 | 19 43 | 0 45 | 13 35 | 2 19 | 1 1 | 0 43 | 3 44 | 1 47 | 1 48 | 14 25 | 1 17 | 1 18 | 10 34 | 7 38 | 6 13 |
| F 19 | 23 31 | 4 1 | 0 58 | 19 45 | 1 4 | 19 9 | 1 39 | 24 6 | 0 40 | 19 44 | 0 46 | 13 35 | 2 19 | 1 1 | 0 43 | 3 44 | 1 47 | 1 48 | 14 25 | 1 16 | 1 17 | 10 37 | 7 38 | 6 13 |
| S 20 | 23 30 | 2n42 | 0n16 | 19 26 | 1 18 | 18 58 | 1 52 | 24 8 | 0 41 | 19 46 | 0 46 | 13 34 | 2 18 | 1 1 | 0 43 | 3 44 | 1 47 | 1 49 | 14 25 | 1 16 | 1 16 | 10 40 | 7 38 | 6 13 |
| S 21 | 23 28 | 9 21 | 1 29 | 19 6 | 1 33 | 18 47 | 2 6 | 24 10 | 0 41 | 19 47 | 0 46 | 13 34 | 2 18 | 1 0 | 0 43 | 3 44 | 1 47 | 1 49 | 14 25 | 1 16 | 1 15 | 10 43 | 7 39 | 6 13 |
| M22 | 23 26 | 15 35 | 2 38 | 18 47 | 1 47 | 18 36 | 2 19 | 24 12 | 0 42 | 19 49 | 0 46 | 13 34 | 2 18 | 1 0 | 0 42 | 3 44 | 1 47 | 1 49 | 14 26 | 1 15 | 1 13 | 10 47 | 7 39 | 6 14 |
| T 23 | 23 23 | 21 1 | 3 37 | 18 29 | 2 2 | 18 26 | 2 33 | 24 13 | 0 42 | 19 51 | 0 46 | 13 33 | 2 18 | 0 59 | 0 42 | 3 44 | 1 47 | 1 49 | 14 26 | 1 14 | 1 12 | 10 50 | 7 39 | 6 14 |
| W24 | 23 20 | 25 12 | 4 22 | 18 12 | 2 17 | 18 16 | 2 48 | 24 15 | 0 43 | 19 52 | 0 47 | 13 33 | 2 17 | 0 59 | 0 42 | 3 44 | 1 47 | 1 49 | 14 26 | 1 11 | 1 11 | 10 53 | 7 39 | 6 14 |
| T 25 | 23 17 | 27 48 | 4 50 | 17 56 | 2 31 | 18 6 | 3 2 | 24 16 | 0 43 | 19 54 | 0 47 | 13 33 | 2 17 | 0 58 | 0 42 | 3 44 | 1 47 | 1 49 | 14 26 | 1 7 | 1 10 | 10 56 | 7 40 | 6 14 |
| F 26 | 23 13 | 28 33 | 5 1 | 17 41 | 2 46 | 17 56 | 3 16 | 24 17 | 0 44 | 19 56 | 0 47 | 13 32 | 2 17 | 0 57 | 0 42 | 3 44 | 1 47 | 1 49 | 14 27 | 1 3 | 1 8 | 11 0 | 7 40 | 6 15 |
| S 27 | 23 9 | 27 27 | 4 53 | 17 27 | 3 0 | 17 47 | 3 30 | 24 17 | 0 44 | 19 57 | 0 47 | 13 32 | 2 17 | 0 57 | 0 42 | 3 45 | 1 47 | 1 49 | 14 27 | 0 58 | 1 7 | 11 3 | 7 41 | 6 15 |
| S 28 | 23 4 | 24 44 | 4 28 | 17 14 | 3 14 | 17 38 | 3 44 | 24 18 | 0 45 | 19 59 | 0 47 | 13 32 | 2 16 | 0 56 | 0 42 | 3 45 | 1 46 | 1 49 | 14 27 | 0 54 | 1 6 | 11 6 | 7 41 | 6 15 |
| M29 | 22 59 | 20 45 | 3 49 | 17 3 | 3 28 | 17 29 | 3 58 | 24 18 | 0 45 | 20 1 | 0 48 | 13 32 | 2 16 | 0 56 | 0 42 | 3 45 | 1 46 | 1 49 | 14 27 | 0 50 | 1 4 | 11 9 | 7 41 | 6 15 |
| T 30 | 22n53 | 15n53 | 3n 0 | 16n53 | 3s41 | 17n21 | 4s12 | 24n18 | 0n46 | 20s 3 | 0s48 | 13s32 | 2n16 | 0n55 | 0n42 | 3s45 | 1n46 | 1n49 | 14s27 | 0n47 | 1n 3 | 11s13 | 7s42 | 6n16 |

Julian Day Number = 2134306.5, Delta T = 16m08s
Ecliptic obliquity = 23°33'15, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'51, Lahiri = 11°44'51 Julian Calendar 1 June 1131 == Greg. Calendar 8 June 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## JULY 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 59 6 | 14♋13'34 | 8♍ 6 | 28°R28 | 23°R 2 | 2♋17 | 4°R12 | 12°R34 | 29♍20 | 13♎35 | 12♉20 | 1°R53 | 2♈35 | 24♎22 | 23°R53 | W 1 |
| T 2 | 19 3 2 | 15°10'49 | 20°21 | 28♋ 4 | 22♋28 | 2°56 | 4♒ 5 | 12♏33 | 29°22 | 13°35 | 12°20 | 1♈51 | 2°32 | 24°28 | 23♒51 | T 2 |
| F 3 | 19 6 59 | 16° 8'05 | 2♎22 | 27°35 | 21°52 | 3°35 | 3°58 | 12°32 | 29°24 | 13°36 | 12°21 | 1°D51 | 2°29 | 24°35 | 23°49 | F 3 |
| S 4 | 19 10 55 | 17° 5'21 | 14°14 | 27° 3 | 21°16 | 4°15 | 3°51 | 12°32 | 29°25 | 13°36 | 12°22 | 1°R51 | 2°25 | 24°42 | 23°47 | S 4 |
| S 5 | 19 14 52 | 18° 2'37 | 26° 3 | 26°27 | 20°39 | 4°54 | 3°44 | 12°31 | 29°27 | 13°37 | 12°22 | 1°51 | 2°22 | 24°48 | 23°45 | S 5 |
| M 6 | 19 18 49 | 18°59'54 | 7♏54 | 25°49 | 20° 2 | 5°33 | 3°37 | 12°31 | 29°29 | 13°37 | 12°23 | 1°49 | 2°19 | 24°55 | 23°42 | M 6 |
| T 7 | 19 22 45 | 19°57'11 | 19°53 | 25° 8 | 19°25 | 6°13 | 3°29 | 12°30 | 29°31 | 13°38 | 12°24 | 1°45 | 2°16 | 25° 2 | 23°40 | T 7 |
| W 8 | 19 26 42 | 20°54'29 | 2♐ 3 | 24°25 | 18°47 | 6°52 | 3°22 | 12°30 | 29°33 | 13°39 | 12°24 | 1°39 | 2°13 | 25° 8 | 23°38 | W 8 |
| T 9 | 19 30 38 | 21°51'48 | 14°28 | 23°41 | 18°10 | 7°31 | 3°15 | 12°29 | 29°35 | 13°39 | 12°25 | 1°31 | 2°10 | 25°15 | 23°35 | T 9 |
| F 10 | 19 34 35 | 22°49'07 | 27°10 | 22°57 | 17°34 | 8°10 | 3° 7 | 12°29 | 29°37 | 13°40 | 12°25 | 1°21 | 2° 6 | 25°22 | 23°33 | F 10 |
| S 11 | 19 38 31 | 23°46'27 | 10♑11 | 22°14 | 16°58 | 8°49 | 3° 0 | 12°D29 | 29°39 | 13°40 | 12°26 | 1°10 | 2° 3 | 25°28 | 23°30 | S 11 |
| S 12 | 19 42 28 | 24°43'47 | 23°30 | 21°32 | 16°23 | 9°28 | 2°52 | 12°29 | 29°41 | 13°41 | 12°27 | 0°59 | 2° 0 | 25°35 | 23°28 | S 12 |
| M13 | 19 46 25 | 25°41'09 | 7♒ 5 | 20°52 | 15°50 | 10° 7 | 2°44 | 12°29 | 29°43 | 13°42 | 12°27 | 0°49 | 1°57 | 25°42 | 23°25 | M13 |
| T 14 | 19 50 21 | 26°38'31 | 20°52 | 20°15 | 15°17 | 10°46 | 2°37 | 12°30 | 29°45 | 13°43 | 12°28 | 0°41 | 1°54 | 25°48 | 23°23 | T 14 |
| W15 | 19 54 18 | 27°35'55 | 4♓49 | 19°42 | 14°47 | 11°25 | 2°29 | 12°30 | 29°47 | 13°44 | 12°28 | 0°36 | 1°51 | 25°55 | 23°20 | W15 |
| T 16 | 19 58 14 | 28°33'19 | 18°52 | 19°13 | 14°18 | 12° 4 | 2°21 | 12°30 | 29°49 | 13°44 | 12°28 | 0°34 | 1°47 | 26° 2 | 23°18 | T 16 |
| F 17 | 20 2 11 | 29°30'45 | 3♈ 0 | 18°49 | 13°51 | 12°43 | 2°13 | 12°31 | 29°52 | 13°45 | 12°29 | 0°D33 | 1°44 | 26° 8 | 23°15 | F 17 |
| S 18 | 20 6 7 | 0♌28'12 | 17° 8 | 18°31 | 13°26 | 13°22 | 2° 5 | 12°32 | 29°54 | 13°46 | 12°29 | 0°34 | 1°41 | 26°15 | 23°12 | S 18 |
| S 19 | 20 10 4 | 1°25'41 | 1♉18 | 18°18 | 13° 3 | 14° 1 | 1°58 | 12°32 | 29°56 | 13°47 | 12°30 | 0°R34 | 1°38 | 26°22 | 23° 9 | S 19 |
| M20 | 20 14 0 | 2°23'11 | 15°26 | 18°D12 | 12°42 | 14°40 | 1°50 | 12°33 | 29°59 | 13°48 | 12°30 | 0°34 | 1°35 | 26°28 | 23° 7 | M20 |
| T 21 | 20 17 57 | 3°20'42 | 29°31 | 18°12 | 12°24 | 15°19 | 1°42 | 12°34 | 0♎ 1 | 13°49 | 12°30 | 0°31 | 1°31 | 26°35 | 23° 4 | T 21 |
| W22 | 20 21 54 | 4°18'15 | 13♊33 | 18°19 | 12° 7 | 15°58 | 1°34 | 12°35 | 0° 4 | 13°50 | 12°31 | 0°26 | 1°28 | 26°41 | 23° 1 | W22 |
| T 23 | 20 25 50 | 5°15'50 | 27°27 | 18°33 | 11°54 | 16°36 | 1°26 | 12°36 | 0° 6 | 13°51 | 12°31 | 0°19 | 1°25 | 26°48 | 22°58 | T 23 |
| F 24 | 20 29 47 | 6°13'26 | 11♋12 | 18°54 | 11°42 | 17°15 | 1°19 | 12°37 | 0° 9 | 13°52 | 12°31 | 0°11 | 1°22 | 26°55 | 22°56 | F 24 |
| S 25 | 20 33 43 | 7°11'03 | 24°44 | 19°22 | 11°33 | 17°54 | 1°11 | 12°39 | 0°11 | 13°53 | 12°32 | 0° 2 | 1°19 | 27° 1 | 22°53 | S 25 |
| S 26 | 20 37 40 | 8° 8'41 | 8♌ 0 | 19°57 | 11°27 | 18°32 | 1° 3 | 12°40 | 0°14 | 13°54 | 12°32 | 29♓53 | 1°16 | 27° 8 | 22°50 | S 26 |
| M27 | 20 41 36 | 9° 6'21 | 21° 0 | 20°39 | 11°23 | 19°11 | 0°55 | 12°41 | 0°16 | 13°56 | 12°32 | 29°46 | 1°12 | 27°15 | 22°47 | M27 |
| T 28 | 20 45 33 | 10° 4'02 | 3♍42 | 21°28 | 11°D21 | 19°50 | 0°48 | 12°43 | 0°19 | 13°57 | 12°32 | 29°41 | 1° 9 | 27°21 | 22°44 | T 28 |
| W29 | 20 49 29 | 11° 1'44 | 16° 7 | 22°23 | 11°21 | 20°28 | 0°40 | 12°45 | 0°22 | 13°58 | 12°33 | 29°38 | 1° 6 | 27°28 | 22°41 | W29 |
| T 30 | 20 53 26 | 11°59'27 | 28°18 | 23°25 | 11°24 | 21° 7 | 0°33 | 12°46 | 0°25 | 13°59 | 12°33 | 29°D37 | 1° 3 | 27°35 | 22°38 | T 30 |
| F 31 | 20 57 23 | 12♌57'12 | 10♎17 | 24♋33 | 11♋29 | 21♋45 | 0♒25 | 12♏48 | 0♎28 | 14♎ 0 | 12♉33 | 29♓37 | 1♈ 0 | 27♎41 | 22♒35 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | | ☊ | | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | | decl | | decl | | decl | lat |
| W 1 | 22n47 | 10n28 | 2n 2 | 16n45 | 3s54 | 17n13 | 4s25 | 24n18 | 0n46 | 20s 5 | 0s48 | 13s32 | 2n16 | 0n54 | 0n42 | 3s45 | 1n46 | 1n49 | 14s28 | 0n45 | 1n 2 | 11s16 | 7s42 | 6n16 | | | |
| T 2 | 22 41 | 4 46 | 1 1 | 16 38 | 4 5 | 17 5 | 4 39 | 24 18 | 0 46 | 20 6 | 0 48 | 13 32 | 2 15 | 0 54 | 0 42 | 3 45 | 1 46 | 1 49 | 14 28 | 0 44 | 1 1 | 11 19 | 7 43 | 6 16 | | | |
| F 3 | 22 34 | 0s59 | 0s 3 | 16 33 | 4 16 | 16 58 | 4 52 | 24 17 | 0 47 | 20 8 | 0 48 | 13 32 | 2 15 | 0 53 | 0 42 | 3 46 | 1 46 | 1 49 | 14 28 | 0 44 | 0 59 | 11 22 | 7 43 | 6 16 | | | |
| S 4 | 22 27 | 6 39 | 1 5 | 16 30 | 4 26 | 16 51 | 5 4 | 24 17 | 0 47 | 20 10 | 0 49 | 13 32 | 2 15 | 0 52 | 0 42 | 3 46 | 1 46 | 1 49 | 14 28 | 0 44 | 0 58 | 11 26 | 7 44 | 6 17 | | | |
| S 5 | 22 20 | 12 3 | 2 5 | 16 29 | 4 34 | 16 45 | 5 16 | 24 16 | 0 48 | 20 12 | 0 49 | 13 32 | 2 15 | 0 52 | 0 42 | 3 46 | 1 46 | 1 49 | 14 29 | 0 44 | 0 57 | 11 29 | 7 44 | 6 17 | | | |
| M 6 | 22 12 | 17 2 | 2 59 | 16 29 | 4 41 | 16 39 | 5 27 | 24 15 | 0 48 | 20 14 | 0 49 | 13 32 | 2 14 | 0 51 | 0 42 | 3 46 | 1 46 | 1 49 | 14 29 | 0 44 | 0 56 | 11 32 | 7 45 | 6 17 | | | |
| T 7 | 22 4 | 21 25 | 3 46 | 16 31 | 4 46 | 16 34 | 5 38 | 24 13 | 0 49 | 20 16 | 0 49 | 13 32 | 2 14 | 0 50 | 0 42 | 3 47 | 1 46 | 1 49 | 14 29 | 0 42 | 0 54 | 11 35 | 7 45 | 6 17 | | | |
| W 8 | 21 55 | 24 58 | 4 24 | 16 35 | 4 50 | 16 29 | 5 48 | 24 12 | 0 49 | 20 18 | 0 49 | 13 32 | 2 14 | 0 49 | 0 42 | 3 47 | 1 46 | 1 49 | 14 29 | 0 40 | 0 53 | 11 38 | 7 46 | 6 17 | | | |
| T 9 | 21 46 | 27 26 | 4 49 | 16 40 | 4 52 | 16 24 | 5 58 | 24 10 | 0 50 | 20 20 | 0 49 | 13 32 | 2 14 | 0 48 | 0 42 | 3 47 | 1 46 | 1 48 | 14 30 | 0 36 | 0 52 | 11 42 | 7 47 | 6 17 | | | |
| F 10 | 21 37 | 28 33 | 5 2 | 16 47 | 4 53 | 16 20 | 6 7 | 24 8 | 0 50 | 20 22 | 0 50 | 13 33 | 2 13 | 0 48 | 0 42 | 3 48 | 1 46 | 1 48 | 14 30 | 0 32 | 0 51 | 11 45 | 7 47 | 6 18 | | | |
| S 11 | 21 27 | 28 8 | 4 59 | 16 55 | 4 51 | 16 16 | 6 15 | 24 6 | 0 51 | 20 23 | 0 50 | 13 33 | 2 13 | 0 47 | 0 42 | 3 48 | 1 46 | 1 48 | 14 30 | 0 28 | 0 49 | 11 48 | 7 48 | 6 18 | | | |
| S 12 | 21 17 | 26 5 | 4 40 | 17 5 | 4 48 | 16 13 | 6 22 | 24 4 | 0 51 | 20 25 | 0 50 | 13 33 | 2 13 | 0 46 | 0 42 | 3 48 | 1 46 | 1 48 | 14 30 | 0 23 | 0 48 | 11 51 | 7 49 | 6 18 | | | |
| M13 | 21 6 | 22 32 | 4 5 | 17 16 | 4 43 | 16 10 | 6 29 | 24 1 | 0 52 | 20 27 | 0 50 | 13 33 | 2 13 | 0 45 | 0 42 | 3 49 | 1 46 | 1 48 | 14 31 | 0 20 | 0 47 | 11 55 | 7 49 | 6 18 | | | |
| T 14 | 20 56 | 17 41 | 3 15 | 17 28 | 4 37 | 16 8 | 6 35 | 23 59 | 0 52 | 20 29 | 0 50 | 13 34 | 2 12 | 0 44 | 0 42 | 3 49 | 1 46 | 1 48 | 14 31 | 0 17 | 0 45 | 11 58 | 7 50 | 6 18 | | | |
| W15 | 20 44 | 11 51 | 2 13 | 17 40 | 4 28 | 16 6 | 6 40 | 23 56 | 0 52 | 20 31 | 0 50 | 13 34 | 2 12 | 0 43 | 0 42 | 3 49 | 1 46 | 1 48 | 14 31 | 0 15 | 0 44 | 12 1 | 7 51 | 6 18 | | | |
| T 16 | 20 33 | 5 22 | 1 2 | 17 54 | 4 19 | 16 5 | 6 45 | 23 53 | 0 53 | 20 33 | 0 51 | 13 34 | 2 12 | 0 42 | 0 42 | 3 50 | 1 46 | 1 48 | 14 31 | 0 14 | 0 43 | 12 4 | 7 51 | 6 19 | | | |
| F 17 | 20 21 | 1n24 | 0n13 | 18 8 | 4 8 | 16 4 | 6 48 | 23 50 | 0 53 | 20 35 | 0 51 | 13 35 | 2 12 | 0 41 | 0 41 | 3 50 | 1 45 | 1 48 | 14 32 | 0 13 | 0 42 | 12 7 | 7 52 | 6 19 | | | |
| S 18 | 20 9 | 8 7 | 1 28 | 18 23 | 3 55 | 16 3 | 6 51 | 23 46 | 0 54 | 20 37 | 0 51 | 13 35 | 2 11 | 0 40 | 0 41 | 3 50 | 1 45 | 1 48 | 14 32 | 0 14 | 0 40 | 12 10 | 7 53 | 6 19 | | | |
| S 19 | 19 56 | 14 26 | 2 37 | 18 38 | 3 42 | 16 3 | 6 54 | 23 43 | 0 54 | 20 39 | 0 51 | 13 36 | 2 11 | 0 39 | 0 41 | 3 51 | 1 45 | 1 47 | 14 32 | 0 14 | 0 39 | 12 14 | 7 54 | 6 19 | | | |
| M20 | 19 43 | 19 59 | 3 36 | 18 53 | 3 28 | 16 3 | 6 55 | 23 39 | 0 55 | 20 41 | 0 51 | 13 36 | 2 11 | 0 39 | 0 41 | 3 51 | 1 45 | 1 47 | 14 32 | 0 13 | 0 38 | 12 17 | 7 54 | 6 19 | | | |
| T 21 | 19 30 | 24 25 | 4 22 | 19 8 | 3 13 | 16 4 | 6 56 | 23 35 | 0 55 | 20 43 | 0 51 | 13 37 | 2 10 | 0 37 | 0 41 | 3 52 | 1 45 | 1 47 | 14 33 | 0 12 | 0 37 | 12 20 | 7 55 | 6 19 | | | |
| W22 | 19 17 | 27 22 | 4 53 | 19 22 | 2 57 | 16 5 | 6 57 | 23 31 | 0 55 | 20 44 | 0 51 | 13 37 | 2 10 | 0 36 | 0 41 | 3 52 | 1 45 | 1 47 | 14 33 | 0 10 | 0 35 | 12 23 | 7 56 | 6 19 | | | |
| T 23 | 19 3 | 28 37 | 5 5 | 19 36 | 2 41 | 16 6 | 6 56 | 23 26 | 0 56 | 20 46 | 0 52 | 13 38 | 2 10 | 0 35 | 0 41 | 3 53 | 1 45 | 1 47 | 14 33 | 0 8 | 0 34 | 12 26 | 7 57 | 6 19 | | | |
| F 24 | 18 48 | 28 4 | 5 0 | 19 50 | 2 25 | 16 8 | 6 56 | 23 22 | 0 56 | 20 48 | 0 52 | 13 38 | 2 10 | 0 34 | 0 41 | 3 53 | 1 45 | 1 47 | 14 34 | 0 4 | 0 33 | 12 30 | 7 58 | 6 19 | | | |
| S 25 | 18 34 | 25 50 | 4 38 | 20 2 | 2 8 | 16 10 | 6 54 | 23 17 | 0 57 | 20 50 | 0 52 | 13 39 | 2 9 | 0 33 | 0 41 | 3 53 | 1 45 | 1 46 | 14 34 | 0 1 | 0 31 | 12 33 | 7 58 | 6 19 | | | |
| S 26 | 18 19 | 22 14 | 4 1 | 20 14 | 1 51 | 16 13 | 6 52 | 23 12 | 0 57 | 20 52 | 0 52 | 13 40 | 2 9 | 0 32 | 0 41 | 3 54 | 1 45 | 1 46 | 14 34 | 0s 3 | 0 30 | 12 36 | 7 59 | 6 20 | | | |
| M27 | 18 4 | 17 36 | 3 13 | 20 24 | 1 35 | 16 15 | 6 50 | 23 7 | 0 58 | 20 54 | 0 52 | 13 40 | 2 9 | 0 31 | 0 41 | 3 54 | 1 45 | 1 46 | 14 34 | 0 6 | 0 29 | 12 39 | 8 0 | 6 20 | | | |
| T 28 | 17 48 | 12 18 | 2 15 | 20 33 | 1 18 | 16 18 | 6 47 | 23 2 | 0 58 | 20 55 | 0 52 | 13 41 | 2 9 | 0 30 | 0 41 | 3 55 | 1 45 | 1 46 | 14 35 | 0 8 | 0 28 | 12 42 | 8 1 | 6 20 | | | |
| W29 | 17 33 | 6 37 | 1 12 | 20 40 | 1 2 | 16 21 | 6 44 | 22 57 | 0 58 | 20 57 | 0 52 | 13 42 | 2 8 | 0 29 | 0 41 | 3 55 | 1 45 | 1 46 | 14 35 | 0 9 | 0 26 | 12 45 | 8 2 | 6 20 | | | |
| T 30 | 17 17 | 0 47 | 0 7 | 20 45 | 0 46 | 16 24 | 6 41 | 22 51 | 0 59 | 20 59 | 0 52 | 13 43 | 2 8 | 0 28 | 0 41 | 3 56 | 1 45 | 1 45 | 14 35 | 0 9 | 0 25 | 12 49 | 8 3 | 6 20 | | | |
| F 31 | 17n 0 | 4s58 | 0s57 | 20n48 | 0s31 | 16n28 | 6s37 | 22n46 | 0n59 | 21s 1 | 0s52 | 13s43 | 2n 8 | 0n27 | 0n41 | 3s57 | 1n45 | 1n45 | 14s35 | 0s 9 | 0n24 | 12s52 | 8s 4 | 6n20 | | | |

Julian Day Number = 2134336.5, Delta T = 16m08s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'55, Lahiri = 11°44'55 Julian Calendar 1 July 1131 == Greg. Calendar 8 July 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## AUGUST 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 1 19 | 13♌54'57 | 22♎ 8 | 25♋47 | 11♋36 | 22♋24 | 0°R18 | 12♏50 | 0♎30 | 14♎ 2 | 12♉33 | 29♓39 | 0♈57 | 27♎48 | 22°R32 | S 1 |
| S 2 | 21 5 16 | 14°52'44 | 3♏57 | 27° 7 | 11°46 | 23° 2 | 0♒10 | 12°52 | 0°33 | 14° 3 | 12°33 | 29°40 | 0°53 | 27°55 | 22♒29 | S 2 |
| M 3 | 21 9 12 | 15°50'32 | 15°49 | 28°33 | 11°57 | 23°41 | 0° 3 | 12°54 | 0°36 | 14° 4 | 12°33 | 29°R40 | 0°50 | 28° 1 | 22°26 | M 3 |
| T 4 | 21 13 9 | 16°48'22 | 27°47 | 0♌ 3 | 12°11 | 24°19 | 29♑56 | 12°57 | 0°39 | 14° 6 | 12°33 | 29°40 | 0°47 | 28° 8 | 22°23 | T 4 |
| W 5 | 21 17 5 | 17°46'13 | 9♐59 | 1°38 | 12°26 | 24°57 | 29°49 | 12°59 | 0°42 | 14° 7 | 12°33 | 29°37 | 0°44 | 28°15 | 22°20 | W 5 |
| T 6 | 21 21 2 | 18°44'05 | 22°27 | 3°17 | 12°44 | 25°36 | 29°42 | 13° 1 | 0°45 | 14° 9 | 12°33 | 29°33 | 0°41 | 28°21 | 22°17 | T 6 |
| F 7 | 21 24 58 | 19°41'58 | 5♑15 | 5° 0 | 13° 3 | 26°14 | 29°35 | 13° 4 | 0°48 | 14°10 | 12°R33 | 29°28 | 0°37 | 28°28 | 22°14 | F 7 |
| S 8 | 21 28 55 | 20°39'53 | 18°25 | 6°45 | 13°24 | 26°52 | 29°28 | 13° 7 | 0°51 | 14°12 | 12°33 | 29°22 | 0°34 | 28°35 | 22°11 | S 8 |
| S 9 | 21 32 52 | 21°37'49 | 1♒58 | 8°34 | 13°47 | 27°31 | 29°21 | 13° 9 | 0°54 | 14°13 | 12°33 | 29°15 | 0°31 | 28°41 | 22° 8 | S 9 |
| M10 | 21 36 48 | 22°35'47 | 15°51 | 10°25 | 14°12 | 28° 9 | 29°15 | 13°12 | 0°58 | 14°15 | 12°33 | 29°10 | 0°28 | 28°48 | 22° 5 | M10 |
| T 11 | 21 40 45 | 23°33'46 | 0♓ 1 | 12°18 | 14°38 | 28°47 | 29° 8 | 13°15 | 1° 1 | 14°16 | 12°33 | 29° 6 | 0°25 | 28°55 | 22° 2 | T 11 |
| W12 | 21 44 41 | 24°31'47 | 14°24 | 14°13 | 15° 6 | 29°25 | 29° 2 | 13°18 | 1° 4 | 14°18 | 12°33 | 29° 3 | 0°22 | 29° 1 | 21°59 | W12 |
| T 13 | 21 48 38 | 25°29'50 | 28°53 | 16° 8 | 15°35 | 0♌ 3 | 28°56 | 13°21 | 1° 7 | 14°19 | 12°33 | 29°D 3 | 0°18 | 29° 8 | 21°56 | T 13 |
| F 14 | 21 52 34 | 26°27'54 | 13♈24 | 18° 5 | 16° 6 | 0°41 | 28°50 | 13°24 | 1°10 | 14°21 | 12°33 | 29° 3 | 0°15 | 29°15 | 21°53 | F 14 |
| S 15 | 21 56 31 | 27°26'01 | 27°51 | 20° 1 | 16°38 | 1°19 | 28°44 | 13°27 | 1°14 | 14°23 | 12°33 | 29° 5 | 0°12 | 29°21 | 21°50 | S 15 |
| S 16 | 22 0 27 | 28°24'09 | 12♉12 | 21°58 | 17°12 | 1°57 | 28°38 | 13°30 | 1°17 | 14°24 | 12°32 | 29° 6 | 0° 9 | 29°28 | 21°47 | S 16 |
| M17 | 22 4 24 | 29°22'20 | 26°23 | 23°55 | 17°47 | 2°35 | 28°32 | 13°34 | 1°20 | 14°26 | 12°32 | 29°R 7 | 0° 6 | 29°35 | 21°44 | M17 |
| T 18 | 22 8 21 | 0♍20'33 | 10♊22 | 25°52 | 18°24 | 3°13 | 28°26 | 13°37 | 1°24 | 14°28 | 12°32 | 29° 6 | 0° 3 | 29°41 | 21°41 | T 18 |
| W19 | 22 12 17 | 1°18'48 | 24° 9 | 27°48 | 19° 1 | 3°51 | 28°21 | 13°41 | 1°27 | 14°29 | 12°32 | 29° 5 | 29♓59 | 29°48 | 21°38 | W19 |
| T 20 | 22 16 14 | 2°17'05 | 7♋44 | 29°44 | 19°40 | 4°29 | 28°16 | 13°44 | 1°30 | 14°31 | 12°31 | 29° 2 | 29°56 | 29°55 | 21°36 | T 20 |
| F 21 | 22 20 10 | 3°15'24 | 21° 5 | 1♍39 | 20°20 | 5° 7 | 28°11 | 13°48 | 1°34 | 14°33 | 12°31 | 28°58 | 29°53 | 0♏ 1 | 21°33 | F 21 |
| S 22 | 22 24 7 | 4°13'46 | 4♌12 | 3°33 | 21° 1 | 5°45 | 28° 6 | 13°52 | 1°37 | 14°35 | 12°31 | 28°54 | 29°50 | 0° 8 | 21°30 | S 22 |
| S 23 | 22 28 3 | 5°12'09 | 17° 5 | 5°26 | 21°43 | 6°23 | 28° 1 | 13°56 | 1°41 | 14°37 | 12°30 | 28°51 | 29°47 | 0°15 | 21°27 | S 23 |
| M24 | 22 32 0 | 6°10'34 | 29°45 | 7°18 | 22°26 | 7° 1 | 27°56 | 14° 0 | 1°44 | 14°38 | 12°30 | 28°48 | 29°43 | 0°21 | 21°24 | M24 |
| T 25 | 22 35 56 | 7° 9'01 | 12♍11 | 9° 9 | 23°10 | 7°39 | 27°52 | 14° 4 | 1°48 | 14°40 | 12°30 | 28°46 | 29°40 | 0°28 | 21°21 | T 25 |
| W26 | 22 39 53 | 8° 7'30 | 24°26 | 11° 0 | 23°55 | 8°17 | 27°47 | 14° 8 | 1°51 | 14°42 | 12°29 | 28°D45 | 29°37 | 0°35 | 21°18 | W26 |
| T 27 | 22 43 50 | 9° 6'00 | 6♎29 | 12°49 | 24°41 | 8°54 | 27°43 | 14°12 | 1°55 | 14°44 | 12°29 | 28°45 | 29°34 | 0°41 | 21°15 | T 27 |
| F 28 | 22 47 46 | 10° 4'33 | 18°24 | 14°37 | 25°28 | 9°32 | 27°39 | 14°16 | 1°58 | 14°46 | 12°29 | 28°46 | 29°31 | 0°48 | 21°13 | F 28 |
| S 29 | 22 51 43 | 11° 3'07 | 0♏14 | 16°24 | 26°15 | 10°10 | 27°36 | 14°21 | 2° 2 | 14°48 | 12°28 | 28°47 | 29°28 | 0°55 | 21°10 | S 29 |
| S 30 | 22 55 39 | 12° 1'43 | 12° 2 | 18°10 | 27° 4 | 10°47 | 27°32 | 14°25 | 2° 6 | 14°50 | 12°28 | 28°49 | 29°24 | 1° 1 | 21° 7 | S 30 |
| M31 | 22 59 36 | 13♍ 0'21 | 23♏53 | 19♍55 | 27♋53 | 11♌25 | 27♑29 | 14♏29 | 2♎ 9 | 14♎52 | 12♉27 | 28♓50 | 29♓21 | 1♏ 8 | 21♒ 4 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n44 | 10s30 | 1s59 | 20n50 | 0s16 | 16n31 | 6s33 | 22n40 | 1n 0 | 21s 2 | 0s52 | 13s44 | 2n 8 | 0n25 | 0n41 | 3s57 | 1n45 | 1n45 | 14s36 | 0s 9 | 0n23 | 12s55 | 8s 5 | 6n20 |
| S 2 | 16 27 | 15 38 | 2 55 | 20 48 | 0 2 | 16 35 | 6 28 | 22 34 | 1 0 | 21 4 | 0 53 | 13 45 | 2 7 | 0 24 | 0 41 | 3 58 | 1 45 | 1 45 | 14 36 | 0 8 | 0 21 | 12 58 | 8 6 | 6 20 |
| M 3 | 16 10 | 20 13 | 3 44 | 20 44 | 0n11 | 16 39 | 6 23 | 22 28 | 1 0 | 21 6 | 0 53 | 13 46 | 2 7 | 0 23 | 0 41 | 3 58 | 1 45 | 1 44 | 14 36 | 0 8 | 0 20 | 13 1 | 8 7 | 6 20 |
| T 4 | 15 52 | 24 2 | 4 24 | 20 38 | 0 24 | 16 43 | 6 18 | 22 21 | 1 1 | 21 7 | 0 53 | 13 47 | 2 7 | 0 22 | 0 41 | 3 59 | 1 45 | 1 44 | 14 37 | 0 8 | 0 19 | 13 4 | 8 8 | 6 20 |
| W 5 | 15 35 | 26 52 | 4 52 | 20 29 | 0 36 | 16 47 | 6 13 | 22 15 | 1 1 | 21 9 | 0 53 | 13 48 | 2 7 | 0 21 | 0 41 | 3 59 | 1 45 | 1 44 | 14 37 | 0 9 | 0 18 | 13 7 | 8 8 | 6 20 |
| T 6 | 15 17 | 28 28 | 5 8 | 20 17 | 0 47 | 16 50 | 6 8 | 22 8 | 1 2 | 21 10 | 0 53 | 13 49 | 2 6 | 0 19 | 0 41 | 4 0 | 1 44 | 1 44 | 14 37 | 0 11 | 0 16 | 13 11 | 8 9 | 6 20 |
| F 7 | 14 59 | 28 35 | 5 9 | 20 2 | 0 57 | 16 54 | 6 2 | 22 1 | 1 2 | 21 12 | 0 53 | 13 50 | 2 6 | 0 18 | 0 41 | 4 1 | 1 44 | 1 43 | 14 37 | 0 13 | 0 15 | 13 14 | 8 10 | 6 20 |
| S 8 | 14 40 | 27 7 | 4 53 | 19 44 | 1 6 | 16 58 | 5 56 | 21 54 | 1 3 | 21 13 | 0 53 | 13 51 | 2 6 | 0 17 | 0 41 | 4 1 | 1 44 | 1 43 | 14 38 | 0 15 | 0 14 | 13 17 | 8 11 | 6 20 |
| S 9 | 14 22 | 24 4 | 4 22 | 19 24 | 1 14 | 17 2 | 5 50 | 21 47 | 1 3 | 21 15 | 0 53 | 13 52 | 2 6 | 0 16 | 0 41 | 4 2 | 1 44 | 1 43 | 14 38 | 0 18 | 0 12 | 13 20 | 8 12 | 6 20 |
| M10 | 14 3 | 19 33 | 3 34 | 19 1 | 1 22 | 17 6 | 5 44 | 21 40 | 1 3 | 21 16 | 0 53 | 13 53 | 2 5 | 0 14 | 0 41 | 4 2 | 1 44 | 1 43 | 14 38 | 0 20 | 0 11 | 13 23 | 8 13 | 6 20 |
| T 11 | 13 44 | 13 53 | 2 32 | 18 36 | 1 28 | 17 9 | 5 38 | 21 33 | 1 4 | 21 18 | 0 53 | 13 54 | 2 5 | 0 13 | 0 41 | 4 3 | 1 44 | 1 42 | 14 38 | 0 22 | 0 10 | 13 26 | 8 14 | 6 20 |
| W12 | 13 25 | 7 23 | 1 19 | 18 8 | 1 33 | 17 13 | 5 31 | 21 25 | 1 4 | 21 19 | 0 53 | 13 55 | 2 5 | 0 12 | 0 41 | 4 4 | 1 44 | 1 42 | 14 39 | 0 23 | 0 9 | 13 29 | 8 15 | 6 20 |
| T 13 | 13 5 | 0 27 | 0 1 | 17 38 | 1 38 | 17 16 | 5 25 | 21 17 | 1 4 | 21 20 | 0 53 | 13 56 | 2 5 | 0 10 | 0 41 | 4 4 | 1 44 | 1 42 | 14 39 | 0 23 | 0 7 | 13 32 | 8 16 | 6 19 |
| F 14 | 12 45 | 6n30 | 1n18 | 17 5 | 1 41 | 17 19 | 5 18 | 21 9 | 1 5 | 21 22 | 0 53 | 13 57 | 2 4 | 0 9 | 0 41 | 4 5 | 1 44 | 1 41 | 14 39 | 0 23 | 0 6 | 13 36 | 8 17 | 6 19 |
| S 15 | 12 25 | 13 7 | 2 31 | 16 31 | 1 44 | 17 22 | 5 11 | 21 1 | 1 5 | 21 23 | 0 53 | 13 59 | 2 4 | 0 8 | 0 41 | 4 6 | 1 44 | 1 41 | 14 40 | 0 22 | 0 5 | 13 39 | 8 18 | 6 19 |
| S 16 | 12 5 | 18 58 | 3 34 | 15 55 | 1 46 | 17 24 | 5 4 | 20 53 | 1 6 | 21 24 | 0 53 | 14 0 | 2 4 | 0 6 | 0 41 | 4 6 | 1 44 | 1 41 | 14 40 | 0 22 | 0 4 | 13 42 | 8 19 | 6 19 |
| M17 | 11 45 | 23 43 | 4 24 | 15 18 | 1 47 | 17 27 | 4 58 | 20 45 | 1 6 | 21 25 | 0 53 | 14 1 | 2 4 | 0 5 | 0 41 | 4 7 | 1 44 | 1 41 | 14 40 | 0 21 | 0 2 | 13 45 | 8 20 | 6 19 |
| T 18 | 11 24 | 27 0 | 4 57 | 14 39 | 1 47 | 17 29 | 4 51 | 20 36 | 1 6 | 21 26 | 0 53 | 14 2 | 2 4 | 0 4 | 0 41 | 4 8 | 1 44 | 1 40 | 14 40 | 0 21 | 0 1 | 13 48 | 8 21 | 6 19 |
| W19 | 11 4 | 28 38 | 5 12 | 13 58 | 1 47 | 17 31 | 4 44 | 20 28 | 1 7 | 21 28 | 0 53 | 14 4 | 2 3 | 0 2 | 0 41 | 4 9 | 1 44 | 1 40 | 14 41 | 0 22 | 0s 0 | 13 51 | 8 22 | 6 19 |
| T 20 | 10 43 | 28 29 | 5 10 | 13 17 | 1 46 | 17 32 | 4 37 | 20 19 | 1 7 | 21 29 | 0 53 | 14 5 | 2 3 | 0 1 | 0 41 | 4 9 | 1 44 | 1 40 | 14 41 | 0 23 | 0 2 | 13 54 | 8 24 | 6 19 |
| F 21 | 10 22 | 26 41 | 4 51 | 12 34 | 1 45 | 17 34 | 4 30 | 20 10 | 1 8 | 21 30 | 0 53 | 14 6 | 2 3 | 0s 0 | 0 40 | 4 10 | 1 44 | 1 39 | 14 41 | 0 25 | 0 3 | 13 57 | 8 25 | 6 19 |
| S 22 | 10 0 | 23 27 | 4 16 | 11 51 | 1 43 | 17 35 | 4 23 | 20 1 | 1 8 | 21 31 | 0 53 | 14 8 | 2 3 | 0 2 | 0 40 | 4 11 | 1 44 | 1 39 | 14 41 | 0 26 | 0 4 | 14 0 | 8 26 | 6 19 |
| S 23 | 9 39 | 19 7 | 3 29 | 11 7 | 1 40 | 17 35 | 4 16 | 19 52 | 1 8 | 21 32 | 0 53 | 14 9 | 2 2 | 0 3 | 0 40 | 4 11 | 1 44 | 1 39 | 14 42 | 0 28 | 0 5 | 14 3 | 8 27 | 6 18 |
| M24 | 9 17 | 14 0 | 2 33 | 10 22 | 1 37 | 17 35 | 4 9 | 19 43 | 1 9 | 21 33 | 0 53 | 14 10 | 2 2 | 0 5 | 0 40 | 4 12 | 1 44 | 1 38 | 14 42 | 0 29 | 0 7 | 14 7 | 8 28 | 6 18 |
| T 25 | 8 56 | 8 24 | 1 30 | 9 37 | 1 34 | 17 35 | 4 2 | 19 34 | 1 9 | 21 34 | 0 53 | 14 12 | 2 2 | 0 6 | 0 40 | 4 13 | 1 44 | 1 38 | 14 42 | 0 30 | 0 8 | 14 10 | 8 29 | 6 18 |
| W26 | 8 34 | 2 35 | 0 24 | 8 52 | 1 30 | 17 35 | 3 54 | 19 24 | 1 9 | 21 34 | 0 53 | 14 13 | 2 2 | 0 7 | 0 40 | 4 14 | 1 44 | 1 38 | 14 42 | 0 30 | 0 9 | 14 13 | 8 30 | 6 18 |
| T 27 | 8 12 | 3s14 | 0s43 | 8 6 | 1 25 | 17 34 | 3 47 | 19 14 | 1 10 | 21 35 | 0 53 | 14 15 | 2 1 | 0 9 | 0 40 | 4 14 | 1 44 | 1 37 | 14 43 | 0 30 | 0 10 | 14 16 | 8 31 | 6 18 |
| F 28 | 7 50 | 8 53 | 1 47 | 7 20 | 1 21 | 17 32 | 3 40 | 19 5 | 1 10 | 21 36 | 0 53 | 14 16 | 2 1 | 0 10 | 0 40 | 4 15 | 1 44 | 1 37 | 14 43 | 0 30 | 0 12 | 14 19 | 8 32 | 6 18 |
| S 29 | 7 27 | 14 11 | 2 45 | 6 33 | 1 16 | 17 31 | 3 33 | 18 55 | 1 11 | 21 37 | 0 53 | 14 18 | 2 1 | 0 12 | 0 40 | 4 16 | 1 44 | 1 36 | 14 43 | 0 29 | 0 13 | 14 22 | 8 33 | 6 17 |
| S 30 | 7 5 | 18 58 | 3 37 | 5 47 | 1 11 | 17 29 | 3 26 | 18 45 | 1 11 | 21 38 | 0 53 | 14 19 | 2 1 | 0 13 | 0 40 | 4 17 | 1 44 | 1 36 | 14 43 | 0 28 | 0 14 | 14 25 | 8 34 | 6 17 |
| M31 | 6n42 | 23s 1 | 4s20 | 5n 1 | 1n 5 | 17n26 | 3s19 | 18n35 | 1n11 | 21s38 | 0s53 | 14s21 | 2n 1 | 0s15 | 0n40 | 4s17 | 1n44 | 1n36 | 14s44 | 0s28 | 0s16 | 14s28 | 8s35 | 6n17 |

Julian Day Number = 2134367.5, Delta T = 16m08s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°37'59, Lahiri = 11°44'59 Julian Calendar 1 Aug. 1131 == Greg. Calendar 8 Aug. 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## SEPTEMBER 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 3 32 | 13♍59'01 | 5♐51 | 21♍39 | 28♋43 | 12♌ 3 | 27°R25 | 14♏34 | 2♎13 | 14♎54 | 12°R27 | 28♓51 | 29♓18 | 1♏15 | 21°R 2 | T 1 |
| W 2 | 23 7 29 | 14°57'42 | 18° 0 | 23°22 | 29°34 | 12°40 | 27♑22 | 14°39 | 2°16 | 14°56 | 12♉26 | 28°R51 | 29°15 | 1°21 | 20♒59 | W 2 |
| T 3 | 23 11 25 | 15°56'26 | 0♑26 | 25° 4 | 0♌25 | 13°18 | 27°19 | 14°43 | 2°20 | 14°58 | 12°26 | 28°50 | 29°12 | 1°28 | 20°56 | T 3 |
| F 4 | 23 15 22 | 16°55'11 | 13°12 | 26°45 | 1°17 | 13°55 | 27°17 | 14°48 | 2°24 | 15° 0 | 12°25 | 28°49 | 29° 9 | 1°35 | 20°54 | F 4 |
| S 5 | 23 19 19 | 17°53'57 | 26°22 | 28°25 | 2°10 | 14°33 | 27°14 | 14°53 | 2°27 | 15° 2 | 12°24 | 28°48 | 29° 5 | 1°41 | 20°51 | S 5 |
| S 6 | 23 23 15 | 18°52'46 | 9♒58 | 0♎ 4 | 3° 3 | 15°10 | 27°12 | 14°58 | 2°31 | 15° 4 | 12°24 | 28°47 | 29° 2 | 1°48 | 20°49 | S 6 |
| M 7 | 23 27 12 | 19°51'36 | 23°59 | 1°42 | 3°57 | 15°48 | 27°10 | 15° 3 | 2°35 | 15° 6 | 12°23 | 28°46 | 28°59 | 1°55 | 20°46 | M 7 |
| T 8 | 23 31 8 | 20°50'28 | 8♓23 | 3°19 | 4°52 | 16°25 | 27° 8 | 15° 8 | 2°39 | 15° 8 | 12°23 | 28°45 | 28°56 | 2° 1 | 20°44 | T 8 |
| W 9 | 23 35 5 | 21°49'22 | 23° 5 | 4°56 | 5°47 | 17° 3 | 27° 6 | 15°13 | 2°42 | 15°10 | 12°22 | 28°D45 | 28°53 | 2° 8 | 20°41 | W 9 |
| T 10 | 23 39 1 | 22°48'18 | 7♈58 | 6°31 | 6°43 | 17°40 | 27° 5 | 15°18 | 2°46 | 15°12 | 12°21 | 28°45 | 28°49 | 2°15 | 20°39 | T 10 |
| F 11 | 23 42 58 | 23°47'17 | 22°54 | 8° 6 | 7°39 | 18°17 | 27° 3 | 15°23 | 2°50 | 15°14 | 12°21 | 28°45 | 28°46 | 2°21 | 20°36 | F 11 |
| S 12 | 23 46 54 | 24°46'17 | 7♉46 | 9°39 | 8°36 | 18°55 | 27° 2 | 15°28 | 2°53 | 15°16 | 12°20 | 28°45 | 28°43 | 2°28 | 20°34 | S 12 |
| S 13 | 23 50 51 | 25°45'20 | 22°26 | 11°12 | 9°34 | 19°32 | 27° 1 | 15°34 | 2°57 | 15°18 | 12°19 | 28°46 | 28°40 | 2°35 | 20°32 | S 13 |
| M14 | 23 54 47 | 26°44'26 | 6♊51 | 12°44 | 10°32 | 20° 9 | 27° 1 | 15°39 | 3° 1 | 15°21 | 12°18 | 28°46 | 28°37 | 2°41 | 20°30 | M14 |
| T 15 | 23 58 44 | 27°43'33 | 20°55 | 14°15 | 11°30 | 20°46 | 27° 0 | 15°45 | 3° 5 | 15°23 | 12°18 | 28°46 | 28°34 | 2°48 | 20°27 | T 15 |
| W16 | 0 2 41 | 28°42'44 | 4♋40 | 15°45 | 12°29 | 21°23 | 27° 0 | 15°50 | 3° 8 | 15°25 | 12°17 | 28°46 | 28°30 | 2°55 | 20°25 | W16 |
| T 17 | 0 6 37 | 29°41'56 | 18° 4 | 17°15 | 13°28 | 22° 1 | 27°D 0 | 15°56 | 3°12 | 15°27 | 12°16 | 28°46 | 28°27 | 3° 1 | 20°23 | T 17 |
| F 18 | 0 10 34 | 0♎41'11 | 1♌ 9 | 18°44 | 14°28 | 22°38 | 27° 0 | 16° 1 | 3°16 | 15°29 | 12°15 | 28°46 | 28°24 | 3° 8 | 20°21 | F 18 |
| S 19 | 0 14 30 | 1°40'28 | 13°58 | 20°11 | 15°28 | 23°15 | 27° 0 | 16° 7 | 3°20 | 15°31 | 12°15 | 28°46 | 28°21 | 3°15 | 20°19 | S 19 |
| S 20 | 0 18 27 | 2°39'48 | 26°31 | 21°38 | 16°29 | 23°52 | 27° 0 | 16°13 | 3°24 | 15°34 | 12°14 | 28°47 | 28°18 | 3°21 | 20°17 | S 20 |
| M21 | 0 22 23 | 3°39'09 | 8♍53 | 23° 4 | 17°30 | 24°29 | 27° 1 | 16°19 | 3°27 | 15°36 | 12°13 | 28°47 | 28°14 | 3°28 | 20°15 | M21 |
| T 22 | 0 26 20 | 4°38'33 | 21° 4 | 24°30 | 18°31 | 25° 6 | 27° 2 | 16°24 | 3°31 | 15°38 | 12°12 | 28°47 | 28°11 | 3°35 | 20°13 | T 22 |
| W23 | 0 30 16 | 5°37'59 | 3♎ 6 | 25°54 | 19°33 | 25°43 | 27° 3 | 16°30 | 3°35 | 15°40 | 12°11 | 28°R47 | 28° 8 | 3°41 | 20°11 | W23 |
| T 24 | 0 34 13 | 6°37'27 | 15° 2 | 27°17 | 20°35 | 26°20 | 27° 4 | 16°36 | 3°39 | 15°42 | 12°10 | 28°47 | 28° 5 | 3°48 | 20°10 | T 24 |
| F 25 | 0 38 10 | 7°36'57 | 26°53 | 28°39 | 21°38 | 26°57 | 27° 6 | 16°42 | 3°42 | 15°45 | 12° 9 | 28°46 | 28° 2 | 3°55 | 20° 8 | F 25 |
| S 26 | 0 42 6 | 8°36'29 | 8♏41 | 0♏ 1 | 22°41 | 27°34 | 27° 7 | 16°48 | 3°46 | 15°47 | 12° 9 | 28°45 | 27°59 | 4° 1 | 20° 6 | S 26 |
| S 27 | 0 46 3 | 9°36'03 | 20°30 | 1°21 | 23°44 | 28°11 | 27° 9 | 16°54 | 3°50 | 15°49 | 12° 8 | 28°44 | 27°55 | 4° 8 | 20° 5 | S 27 |
| M28 | 0 49 59 | 10°35'39 | 2♐22 | 2°40 | 24°47 | 28°48 | 27°11 | 17° 0 | 3°54 | 15°51 | 12° 7 | 28°42 | 27°52 | 4°15 | 20° 3 | M28 |
| T 29 | 0 53 56 | 11°35'17 | 14°19 | 3°58 | 25°51 | 29°24 | 27°13 | 17° 7 | 3°58 | 15°54 | 12° 6 | 28°40 | 27°49 | 4°21 | 20° 1 | T 29 |
| W30 | 0 57 52 | 12♎34'57 | 26♐27 | 5♏15 | 26♌55 | 0♍ 1 | 27♑16 | 17♏13 | 4♎ 1 | 15♎56 | 12♉ 5 | 28♓39 | 27♓46 | 4♏28 | 20♒ 0 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n20 | 26s10 | 4s52 | 4n14 | 0n59 | 17n23 | 3s12 | 18n25 | 1n12 | 21s39 | 0s53 | 14s22 | 2n 0 | 0s16 | 0n40 | 4s18 | 1n44 | 1n35 | 14s44 | 0s28 | 0s17 | 14s31 | 8s36 | 6n17 |
| W 2 | 5 57 | 28 10 | 5 11 | 3 28 | 0 53 | 17 19 | 3 5 | 18 14 | 1 12 | 21 39 | 0 53 | 14 24 | 2 0 | 0 18 | 0 40 | 4 19 | 1 44 | 1 35 | 14 44 | 0 28 | 0 18 | 14 34 | 8 37 | 6 17 |
| T 3 | 5 34 | 28 50 | 5 17 | 2 41 | 0 47 | 17 16 | 2 58 | 18 4 | 1 12 | 21 40 | 0 53 | 14 25 | 2 0 | 0 19 | 0 40 | 4 20 | 1 44 | 1 35 | 14 44 | 0 28 | 0 19 | 14 37 | 8 38 | 6 16 |
| F 4 | 5 11 | 27 59 | 5 7 | 1 55 | 0 41 | 17 11 | 2 51 | 17 53 | 1 13 | 21 40 | 0 53 | 14 27 | 2 0 | 0 21 | 0 40 | 4 21 | 1 43 | 1 34 | 14 45 | 0 28 | 0 21 | 14 40 | 8 39 | 6 16 |
| S 5 | 4 48 | 25 34 | 4 41 | 1 9 | 0 34 | 17 6 | 2 44 | 17 43 | 1 13 | 21 41 | 0 53 | 14 28 | 2 0 | 0 22 | 0 40 | 4 21 | 1 43 | 1 34 | 14 45 | 0 29 | 0 22 | 14 43 | 8 40 | 6 16 |
| S 6 | 4 25 | 21 40 | 3 59 | 0 24 | 0 28 | 17 1 | 2 37 | 17 32 | 1 13 | 21 41 | 0 53 | 14 30 | 1 59 | 0 23 | 0 40 | 4 22 | 1 43 | 1 33 | 14 45 | 0 29 | 0 23 | 14 46 | 8 41 | 6 16 |
| M 7 | 4 2 | 16 26 | 3 1 | 0s22 | 0 21 | 16 55 | 2 31 | 17 21 | 1 14 | 21 42 | 0 53 | 14 32 | 1 59 | 0 25 | 0 40 | 4 23 | 1 43 | 1 33 | 14 45 | 0 30 | 0 24 | 14 49 | 8 42 | 6 16 |
| T 8 | 3 39 | 10 11 | 1 51 | 1 7 | 0 14 | 16 49 | 2 24 | 17 10 | 1 14 | 21 42 | 0 53 | 14 33 | 1 59 | 0 26 | 0 40 | 4 24 | 1 43 | 1 33 | 14 45 | 0 30 | 0 26 | 14 52 | 8 43 | 6 15 |
| W 9 | 3 16 | 3 14 | 0 31 | 1 51 | 0 7 | 16 42 | 2 17 | 16 59 | 1 14 | 21 42 | 0 53 | 14 35 | 1 59 | 0 28 | 0 40 | 4 25 | 1 43 | 1 32 | 14 46 | 0 30 | 0 27 | 14 55 | 8 44 | 6 15 |
| T 10 | 2 52 | 3n57 | 0n51 | 2 36 | 0 0 | 16 35 | 2 10 | 16 48 | 1 15 | 21 43 | 0 53 | 14 37 | 1 59 | 0 29 | 0 40 | 4 26 | 1 43 | 1 32 | 14 46 | 0 30 | 0 28 | 14 58 | 8 45 | 6 15 |
| F 11 | 2 29 | 10 57 | 2 10 | 3 20 | 0s 7 | 16 27 | 2 4 | 16 37 | 1 15 | 21 43 | 0 53 | 14 38 | 1 58 | 0 31 | 0 40 | 4 26 | 1 43 | 1 31 | 14 46 | 0 30 | 0 29 | 15 1 | 8 46 | 6 15 |
| S 12 | 2 5 | 17 19 | 3 20 | 4 4 | 0 14 | 16 19 | 1 57 | 16 25 | 1 16 | 21 43 | 0 53 | 14 40 | 1 58 | 0 32 | 0 40 | 4 27 | 1 43 | 1 31 | 14 46 | 0 30 | 0 31 | 15 4 | 8 47 | 6 14 |
| S 13 | 1 42 | 22 35 | 4 16 | 4 47 | 0 21 | 16 10 | 1 51 | 16 14 | 1 16 | 21 43 | 0 53 | 14 42 | 1 58 | 0 34 | 0 40 | 4 28 | 1 43 | 1 31 | 14 46 | 0 30 | 0 32 | 15 7 | 8 48 | 6 14 |
| M14 | 1 18 | 26 24 | 4 55 | 5 29 | 0 29 | 16 1 | 1 44 | 16 2 | 1 16 | 21 43 | 0 53 | 14 43 | 1 58 | 0 35 | 0 40 | 4 29 | 1 43 | 1 30 | 14 47 | 0 30 | 0 33 | 15 10 | 8 49 | 6 14 |
| T 15 | 0 55 | 28 28 | 5 15 | 6 12 | 0 36 | 15 51 | 1 38 | 15 51 | 1 17 | 21 43 | 0 53 | 14 45 | 1 58 | 0 37 | 0 40 | 4 30 | 1 43 | 1 30 | 14 47 | 0 30 | 0 35 | 15 13 | 8 50 | 6 13 |
| W16 | 0 31 | 28 44 | 5 16 | 6 53 | 0 43 | 15 41 | 1 31 | 15 39 | 1 17 | 21 43 | 0 53 | 14 47 | 1 58 | 0 38 | 0 40 | 4 31 | 1 43 | 1 30 | 14 47 | 0 30 | 0 36 | 15 16 | 8 51 | 6 13 |
| T 17 | 0 7 | 27 17 | 5 0 | 7 35 | 0 50 | 15 30 | 1 25 | 15 27 | 1 17 | 21 43 | 0 53 | 14 49 | 1 57 | 0 40 | 0 40 | 4 31 | 1 43 | 1 29 | 14 47 | 0 30 | 0 37 | 15 19 | 8 52 | 6 13 |
| F 18 | 0s16 | 24 22 | 4 28 | 8 15 | 0 57 | 15 19 | 1 19 | 15 16 | 1 18 | 21 43 | 0 53 | 14 51 | 1 57 | 0 42 | 0 40 | 4 32 | 1 43 | 1 29 | 14 47 | 0 30 | 0 38 | 15 22 | 8 53 | 6 13 |
| S 19 | 0 40 | 20 17 | 3 44 | 8 55 | 1 4 | 15 7 | 1 13 | 15 4 | 1 18 | 21 43 | 0 53 | 14 52 | 1 57 | 0 43 | 0 40 | 4 33 | 1 43 | 1 28 | 14 48 | 0 29 | 0 40 | 15 25 | 8 54 | 6 12 |
| S 20 | 1 4 | 15 24 | 2 50 | 9 35 | 1 12 | 14 55 | 1 7 | 14 52 | 1 18 | 21 43 | 0 53 | 14 54 | 1 57 | 0 45 | 0 40 | 4 34 | 1 43 | 1 28 | 14 48 | 0 29 | 0 41 | 15 28 | 8 55 | 6 12 |
| M21 | 1 28 | 9 57 | 1 48 | 10 13 | 1 19 | 14 42 | 1 1 | 14 39 | 1 19 | 21 43 | 0 52 | 14 56 | 1 57 | 0 46 | 0 40 | 4 35 | 1 43 | 1 28 | 14 48 | 0 29 | 0 42 | 15 31 | 8 55 | 6 12 |
| T 22 | 1 51 | 4 13 | 0 43 | 10 52 | 1 25 | 14 29 | 0 55 | 14 27 | 1 19 | 21 43 | 0 52 | 14 58 | 1 57 | 0 48 | 0 40 | 4 36 | 1 43 | 1 27 | 14 48 | 0 29 | 0 43 | 15 34 | 8 56 | 6 11 |
| W23 | 2 15 | 1s36 | 0s24 | 11 29 | 1 32 | 14 15 | 0 49 | 14 15 | 1 19 | 21 42 | 0 52 | 15 0 | 1 56 | 0 49 | 0 40 | 4 37 | 1 43 | 1 27 | 14 48 | 0 29 | 0 45 | 15 37 | 8 57 | 6 11 |
| T 24 | 2 39 | 7 19 | 1 29 | 12 6 | 1 39 | 14 1 | 0 43 | 14 3 | 1 20 | 21 42 | 0 52 | 15 1 | 1 56 | 0 51 | 0 40 | 4 37 | 1 43 | 1 26 | 14 48 | 0 29 | 0 46 | 15 40 | 8 58 | 6 11 |
| F 25 | 3 2 | 12 44 | 2 30 | 12 42 | 1 46 | 13 46 | 0 38 | 13 50 | 1 20 | 21 42 | 0 52 | 15 3 | 1 56 | 0 52 | 0 40 | 4 38 | 1 43 | 1 26 | 14 49 | 0 29 | 0 47 | 15 43 | 8 59 | 6 10 |
| S 26 | 3 26 | 17 41 | 3 24 | 13 17 | 1 52 | 13 31 | 0 32 | 13 38 | 1 20 | 21 41 | 0 52 | 15 5 | 1 56 | 0 54 | 0 40 | 4 39 | 1 43 | 1 26 | 14 49 | 0 30 | 0 49 | 15 46 | 9 0 | 6 10 |
| S 27 | 3 49 | 21 57 | 4 9 | 13 51 | 1 58 | 13 15 | 0 26 | 13 25 | 1 21 | 21 41 | 0 52 | 15 7 | 1 56 | 0 55 | 0 40 | 4 40 | 1 43 | 1 25 | 14 49 | 0 31 | 0 50 | 15 49 | 9 1 | 6 10 |
| M28 | 4 13 | 25 22 | 4 44 | 14 24 | 2 4 | 12 59 | 0 21 | 13 13 | 1 21 | 21 40 | 0 52 | 15 9 | 1 56 | 0 57 | 0 40 | 4 41 | 1 43 | 1 25 | 14 49 | 0 31 | 0 51 | 15 52 | 9 1 | 6 9 |
| T 29 | 4 36 | 27 42 | 5 7 | 14 57 | 2 10 | 12 43 | 0 16 | 13 0 | 1 21 | 21 40 | 0 52 | 15 11 | 1 56 | 0 58 | 0 40 | 4 42 | 1 43 | 1 24 | 14 49 | 0 32 | 0 52 | 15 55 | 9 2 | 6 9 |
| W30 | 5s 0 | 28s46 | 5s16 | 15s28 | 2s16 | 12n26 | 0s10 | 12n47 | 1n22 | 21s39 | 0s52 | 15s13 | 1n55 | 1s 0 | 0n40 | 4s43 | 1n43 | 1n24 | 14s49 | 0s32 | 0s54 | 15s58 | 9s 3 | 6n 9 |

Julian Day Number = 2134398.5, Delta T = 16m07s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'03, Lahiri = 11°45'04 Julian Calendar 1 Sept. 1131 == Greg. Calendar 8 Sept. 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## OCTOBER 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 1 49 | 13♎34'39 | 8♉50 | 6♏30 | 28♌ 0 | 0♍38 | 27♉18 | 17♏19 | 4♎ 5 | 15♎58 | 12°R 4 | 28°D38 | 27♓43 | 4♏35 | 19°R59 | T 1 |
| F 2 | 1 5 45 | 14°34'22 | 21°30 | 7°44 | 29° 5 | 1°15 | 27°21 | 17°25 | 4° 9 | 16° 0 | 12♉ 3 | 28♓38 | 27°40 | 4°41 | 19♒57 | F 2 |
| S 3 | 1 9 42 | 15°34'07 | 4♒33 | 8°56 | 0♍10 | 1°51 | 27°24 | 17°32 | 4°13 | 16° 3 | 12° 2 | 28°39 | 27°36 | 4°48 | 19°56 | S 3 |
| S 4 | 1 13 39 | 16°33'54 | 18° 1 | 10° 7 | 1°15 | 2°28 | 27°27 | 17°38 | 4°16 | 16° 5 | 12° 1 | 28°40 | 27°33 | 4°55 | 19°55 | S 4 |
| M 5 | 1 17 35 | 17°33'42 | 1♓57 | 11°15 | 2°20 | 3° 5 | 27°31 | 17°45 | 4°20 | 16° 7 | 12° 0 | 28°42 | 27°30 | 5° 1 | 19°53 | M 5 |
| T 6 | 1 21 32 | 18°33'32 | 16°20 | 12°21 | 3°26 | 3°41 | 27°34 | 17°51 | 4°24 | 16° 9 | 11°59 | 28°43 | 27°27 | 5° 8 | 19°52 | T 6 |
| W 7 | 1 25 28 | 19°33'24 | 1♈ 6 | 13°25 | 4°32 | 4°18 | 27°38 | 17°58 | 4°27 | 16°12 | 11°58 | 28°R43 | 27°24 | 5°15 | 19°51 | W 7 |
| T 8 | 1 29 25 | 20°33'18 | 16°10 | 14°27 | 5°39 | 4°54 | 27°42 | 18° 4 | 4°31 | 16°14 | 11°57 | 28°42 | 27°20 | 5°21 | 19°50 | T 8 |
| F 9 | 1 33 21 | 21°33'14 | 1♉23 | 15°26 | 6°45 | 5°31 | 27°46 | 18°11 | 4°35 | 16°16 | 11°56 | 28°40 | 27°17 | 5°28 | 19°49 | F 9 |
| S 10 | 1 37 18 | 22°33'12 | 16°36 | 16°21 | 7°52 | 6° 7 | 27°51 | 18°17 | 4°38 | 16°18 | 11°55 | 28°38 | 27°14 | 5°35 | 19°48 | S 10 |
| S 11 | 1 41 14 | 23°33'12 | 1♊38 | 17°13 | 8°59 | 6°44 | 27°55 | 18°24 | 4°42 | 16°20 | 11°54 | 28°34 | 27°11 | 5°42 | 19°47 | S 11 |
| M12 | 1 45 11 | 24°33'14 | 16°21 | 18° 1 | 10° 6 | 7°20 | 28° 0 | 18°31 | 4°46 | 16°23 | 11°53 | 28°31 | 27° 8 | 5°48 | 19°47 | M12 |
| T 13 | 1 49 8 | 25°33'18 | 0♋40 | 18°45 | 11°14 | 7°56 | 28° 5 | 18°37 | 4°49 | 16°25 | 11°51 | 28°28 | 27° 5 | 5°55 | 19°46 | T 13 |
| W14 | 1 53 4 | 26°33'25 | 14°32 | 19°23 | 12°22 | 8°33 | 28°10 | 18°44 | 4°53 | 16°27 | 11°50 | 28°26 | 27° 1 | 6° 2 | 19°45 | W14 |
| T 15 | 1 57 1 | 27°33'34 | 27°56 | 19°57 | 13°30 | 9° 9 | 28°15 | 18°51 | 4°56 | 16°29 | 11°49 | 28°D25 | 26°58 | 6° 8 | 19°45 | T 15 |
| F 16 | 2 0 57 | 28°33'44 | 10♌57 | 20°24 | 14°38 | 9°45 | 28°20 | 18°58 | 5° 0 | 16°32 | 11°48 | 28°26 | 26°55 | 6°15 | 19°44 | F 16 |
| S 17 | 2 4 54 | 29°33'57 | 23°36 | 20°45 | 15°46 | 10°21 | 28°26 | 19° 4 | 5° 3 | 16°34 | 11°47 | 28°27 | 26°52 | 6°22 | 19°44 | S 17 |
| S 18 | 2 8 50 | 0♏34'12 | 5♍58 | 20°59 | 16°55 | 10°57 | 28°31 | 19°11 | 5° 7 | 16°36 | 11°46 | 28°29 | 26°49 | 6°28 | 19°43 | S 18 |
| M19 | 2 12 47 | 1°34'29 | 18° 7 | 21°R 4 | 18° 3 | 11°34 | 28°37 | 19°18 | 5°10 | 16°38 | 11°45 | 28°31 | 26°46 | 6°35 | 19°43 | M19 |
| T 20 | 2 16 43 | 2°34'48 | 0♎ 6 | 21° 1 | 19°12 | 12°10 | 28°43 | 19°25 | 5°14 | 16°40 | 11°44 | 28°R31 | 26°42 | 6°42 | 19°42 | T 20 |
| W21 | 2 20 40 | 3°35'09 | 12° 0 | 20°49 | 20°21 | 12°46 | 28°50 | 19°32 | 5°17 | 16°43 | 11°43 | 28°30 | 26°39 | 6°48 | 19°42 | W21 |
| T 22 | 2 24 37 | 4°35'32 | 23°50 | 20°27 | 21°31 | 13°22 | 28°56 | 19°39 | 5°21 | 16°45 | 11°42 | 28°27 | 26°36 | 6°55 | 19°42 | T 22 |
| F 23 | 2 28 33 | 5°35'56 | 5♏38 | 19°56 | 22°40 | 13°58 | 29° 3 | 19°46 | 5°24 | 16°47 | 11°40 | 28°23 | 26°33 | 7° 2 | 19°42 | F 23 |
| S 24 | 2 32 30 | 6°36'22 | 17°28 | 19°14 | 23°50 | 14°34 | 29° 9 | 19°53 | 5°28 | 16°49 | 11°39 | 28°16 | 26°30 | 7° 8 | 19°D42 | S 24 |
| S 25 | 2 36 26 | 7°36'50 | 29°20 | 18°22 | 24°59 | 15°10 | 29°16 | 20° 0 | 5°31 | 16°51 | 11°38 | 28° 9 | 26°26 | 7°15 | 19°42 | S 25 |
| M26 | 2 40 23 | 8°37'20 | 11♐17 | 17°21 | 26° 9 | 15°45 | 29°23 | 20° 7 | 5°34 | 16°53 | 11°37 | 28° 1 | 26°23 | 7°22 | 19°42 | M26 |
| T 27 | 2 44 19 | 9°37'51 | 23°19 | 16°12 | 27°19 | 16°21 | 29°30 | 20°14 | 5°38 | 16°55 | 11°36 | 27°53 | 26°20 | 7°28 | 19°42 | T 27 |
| W28 | 2 48 16 | 10°38'23 | 5♑30 | 14°57 | 28°30 | 16°57 | 29°38 | 20°21 | 5°41 | 16°57 | 11°35 | 27°46 | 26°17 | 7°35 | 19°42 | W28 |
| T 29 | 2 52 12 | 11°38'57 | 17°53 | 13°38 | 29°40 | 17°33 | 29°45 | 20°28 | 5°44 | 17° 0 | 11°34 | 27°42 | 26°14 | 7°42 | 19°42 | T 29 |
| F 30 | 2 56 9 | 12°39'32 | 0♒31 | 12°17 | 0♎51 | 18° 8 | 29°53 | 20°35 | 5°47 | 17° 2 | 11°33 | 27°39 | 26°11 | 7°48 | 19°43 | F 30 |
| S 31 | 3 0 6 | 13♏40'09 | 13♒27 | 10♏56 | 2♎ 1 | 18♍44 | 0♒ 1 | 20♏42 | 5♎51 | 17♎ 4 | 11♉31 | 27°D38 | 26♓ 7 | 7♏55 | 19♒43 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 5s23 | 28s26 | 5s11 | 15s59 | 2s22 | 12n 9 | 0s 5 | 12n35 | 1n22 | 21s39 | 0s52 | 15s15 | 1n55 | 1s 1 | 0n40 | 4s44 | 1n43 | 1n24 | 14s49 | 0s33 | 0s55 | 16s 1 | 9s 4 | 6n 8 |
| F 2 | 5 46 | 26 37 | 4 52 | 16 28 | 2 27 | 11 51 | 0 0 | 12 22 | 1 22 | 21 38 | 0 52 | 15 16 | 1 55 | 1 3 | 0 40 | 4 44 | 1 43 | 1 23 | 14 50 | 0 33 | 0 56 | 16 4 | 9 4 | 6 8 |
| S 3 | 6 9 | 23 22 | 4 16 | 16 56 | 2 32 | 11 33 | 0n 5 | 12 9 | 1 23 | 21 38 | 0 52 | 15 18 | 1 55 | 1 4 | 0 40 | 4 45 | 1 43 | 1 23 | 14 50 | 0 32 | 0 57 | 16 7 | 9 5 | 6 8 |
| S 4 | 6 33 | 18 46 | 3 26 | 17 23 | 2 36 | 11 14 | 0 10 | 11 56 | 1 23 | 21 37 | 0 52 | 15 20 | 1 55 | 1 6 | 0 40 | 4 46 | 1 43 | 1 22 | 14 50 | 0 32 | 0 59 | 16 10 | 9 6 | 6 7 |
| M 5 | 6 56 | 13 3 | 2 23 | 17 49 | 2 40 | 10 55 | 0 15 | 11 43 | 1 23 | 21 36 | 0 52 | 15 22 | 1 55 | 1 7 | 0 40 | 4 47 | 1 43 | 1 22 | 14 50 | 0 31 | 1 0 | 16 13 | 9 7 | 6 7 |
| T 6 | 7 18 | 6 28 | 1 8 | 18 13 | 2 44 | 10 36 | 0 19 | 11 30 | 1 23 | 21 35 | 0 52 | 15 24 | 1 55 | 1 8 | 0 40 | 4 48 | 1 43 | 1 22 | 14 50 | 0 31 | 1 1 | 16 16 | 9 7 | 6 7 |
| W 7 | 7 41 | 0n38 | 0n13 | 18 36 | 2 48 | 10 16 | 0 24 | 11 17 | 1 24 | 21 35 | 0 51 | 15 26 | 1 54 | 1 10 | 0 40 | 4 49 | 1 43 | 1 21 | 14 50 | 0 31 | 1 2 | 16 19 | 9 8 | 6 6 |
| T 8 | 8 4 | 7 51 | 1 35 | 18 58 | 2 51 | 9 56 | 0 28 | 11 4 | 1 24 | 21 34 | 0 51 | 15 28 | 1 54 | 1 11 | 0 40 | 4 50 | 1 43 | 1 21 | 14 50 | 0 31 | 1 4 | 16 22 | 9 9 | 6 6 |
| F 9 | 8 27 | 14 40 | 2 50 | 19 18 | 2 53 | 9 35 | 0 33 | 10 51 | 1 24 | 21 33 | 0 51 | 15 30 | 1 54 | 1 13 | 0 40 | 4 50 | 1 43 | 1 20 | 14 50 | 0 32 | 1 5 | 16 24 | 9 9 | 6 5 |
| S 10 | 8 49 | 20 36 | 3 54 | 19 36 | 2 55 | 9 14 | 0 37 | 10 37 | 1 25 | 21 32 | 0 51 | 15 32 | 1 54 | 1 14 | 0 40 | 4 51 | 1 43 | 1 20 | 14 50 | 0 33 | 1 6 | 16 27 | 9 10 | 6 5 |
| S 11 | 9 11 | 25 9 | 4 40 | 19 52 | 2 56 | 8 53 | 0 41 | 10 24 | 1 25 | 21 31 | 0 51 | 15 34 | 1 54 | 1 16 | 0 40 | 4 52 | 1 43 | 1 20 | 14 50 | 0 34 | 1 8 | 16 30 | 9 11 | 6 5 |
| M12 | 9 34 | 27 56 | 5 7 | 20 6 | 2 57 | 8 31 | 0 45 | 10 11 | 1 25 | 21 30 | 0 51 | 15 36 | 1 54 | 1 17 | 0 40 | 4 53 | 1 43 | 1 19 | 14 50 | 0 36 | 1 9 | 16 33 | 9 11 | 6 4 |
| T 13 | 9 56 | 28 47 | 5 14 | 20 18 | 2 56 | 8 9 | 0 49 | 9 57 | 1 26 | 21 29 | 0 51 | 15 38 | 1 54 | 1 19 | 0 40 | 4 54 | 1 43 | 1 19 | 14 51 | 0 37 | 1 10 | 16 36 | 9 12 | 6 4 |
| W14 | 10 18 | 27 45 | 5 2 | 20 28 | 2 55 | 7 47 | 0 53 | 9 44 | 1 26 | 21 28 | 0 51 | 15 40 | 1 54 | 1 20 | 0 40 | 4 55 | 1 43 | 1 19 | 14 51 | 0 38 | 1 11 | 16 39 | 9 12 | 6 3 |
| T 15 | 10 39 | 25 8 | 4 33 | 20 35 | 2 53 | 7 24 | 0 57 | 9 31 | 1 26 | 21 27 | 0 51 | 15 42 | 1 54 | 1 21 | 0 40 | 4 55 | 1 43 | 1 18 | 14 51 | 0 38 | 1 13 | 16 42 | 9 13 | 6 3 |
| F 16 | 11 1 | 21 17 | 3 52 | 20 40 | 2 50 | 7 1 | 1 1 | 9 17 | 1 27 | 21 25 | 0 51 | 15 43 | 1 53 | 1 23 | 0 40 | 4 56 | 1 43 | 1 18 | 14 51 | 0 38 | 1 14 | 16 45 | 9 14 | 6 3 |
| S 17 | 11 22 | 16 33 | 3 0 | 20 42 | 2 46 | 6 38 | 1 4 | 9 4 | 1 27 | 21 24 | 0 51 | 15 45 | 1 53 | 1 24 | 0 40 | 4 57 | 1 43 | 1 17 | 14 51 | 0 37 | 1 15 | 16 48 | 9 14 | 6 2 |
| S 18 | 11 44 | 11 14 | 2 0 | 20 40 | 2 41 | 6 14 | 1 8 | 8 50 | 1 27 | 21 23 | 0 51 | 15 47 | 1 53 | 1 26 | 0 40 | 4 58 | 1 43 | 1 17 | 14 51 | 0 36 | 1 16 | 16 51 | 9 15 | 6 2 |
| M19 | 12 5 | 5 35 | 0 57 | 20 35 | 2 34 | 5 50 | 1 11 | 8 37 | 1 27 | 21 22 | 0 51 | 15 49 | 1 53 | 1 27 | 0 40 | 4 59 | 1 43 | 1 17 | 14 51 | 0 36 | 1 18 | 16 53 | 9 15 | 6 1 |
| T 20 | 12 26 | 0s10 | 0s 9 | 20 26 | 2 26 | 5 26 | 1 15 | 8 23 | 1 28 | 21 20 | 0 51 | 15 51 | 1 53 | 1 28 | 0 40 | 5 0 | 1 43 | 1 16 | 14 51 | 0 36 | 1 19 | 16 56 | 9 16 | 6 1 |
| W21 | 12 46 | 5 53 | 1 13 | 20 14 | 2 16 | 5 2 | 1 18 | 8 9 | 1 28 | 21 19 | 0 51 | 15 53 | 1 53 | 1 30 | 0 40 | 5 0 | 1 43 | 1 16 | 14 51 | 0 36 | 1 20 | 16 59 | 9 16 | 6 1 |
| T 22 | 13 7 | 11 21 | 2 14 | 19 57 | 2 4 | 4 37 | 1 21 | 7 56 | 1 28 | 21 18 | 0 51 | 15 55 | 1 53 | 1 31 | 0 40 | 5 1 | 1 43 | 1 16 | 14 51 | 0 37 | 1 21 | 17 2 | 9 16 | 6 0 |
| F 23 | 13 27 | 16 25 | 3 8 | 19 35 | 1 51 | 4 12 | 1 24 | 7 42 | 1 29 | 21 16 | 0 50 | 15 57 | 1 53 | 1 32 | 0 40 | 5 2 | 1 43 | 1 15 | 14 51 | 0 39 | 1 23 | 17 5 | 9 17 | 6 0 |
| S 24 | 13 47 | 20 53 | 3 55 | 19 10 | 1 36 | 3 47 | 1 27 | 7 28 | 1 29 | 21 15 | 0 50 | 15 59 | 1 53 | 1 34 | 0 40 | 5 3 | 1 43 | 1 15 | 14 51 | 0 41 | 1 24 | 17 8 | 9 17 | 5 59 |
| S 25 | 14 7 | 24 31 | 4 31 | 18 39 | 1 20 | 3 22 | 1 29 | 7 15 | 1 29 | 21 13 | 0 50 | 16 1 | 1 53 | 1 35 | 0 40 | 5 4 | 1 44 | 1 15 | 14 51 | 0 45 | 1 25 | 17 11 | 9 18 | 5 59 |
| M26 | 14 27 | 27 7 | 4 56 | 18 5 | 1 2 | 2 57 | 1 32 | 7 1 | 1 30 | 21 12 | 0 50 | 16 3 | 1 53 | 1 36 | 0 40 | 5 4 | 1 44 | 1 14 | 14 51 | 0 48 | 1 27 | 17 13 | 9 18 | 5 59 |
| T 27 | 14 46 | 28 31 | 5 8 | 17 27 | 0 43 | 2 31 | 1 35 | 6 47 | 1 30 | 21 10 | 0 50 | 16 5 | 1 52 | 1 38 | 0 40 | 5 5 | 1 44 | 1 14 | 14 51 | 0 51 | 1 28 | 17 16 | 9 18 | 5 58 |
| W28 | 15 5 | 28 32 | 5 6 | 16 46 | 0 23 | 2 5 | 1 37 | 6 34 | 1 30 | 21 9 | 0 50 | 16 7 | 1 52 | 1 39 | 0 40 | 5 6 | 1 44 | 1 14 | 14 51 | 0 53 | 1 29 | 17 19 | 9 19 | 5 58 |
| T 29 | 15 24 | 27 9 | 4 50 | 16 3 | 0 2 | 1 39 | 1 39 | 6 20 | 1 30 | 21 7 | 0 50 | 16 9 | 1 52 | 1 40 | 0 40 | 5 7 | 1 44 | 1 14 | 14 51 | 0 55 | 1 30 | 17 22 | 9 19 | 5 57 |
| F 30 | 15 43 | 24 22 | 4 20 | 15 18 | 0n18 | 1 13 | 1 42 | 6 6 | 1 31 | 21 5 | 0 50 | 16 11 | 1 52 | 1 42 | 0 40 | 5 8 | 1 44 | 1 13 | 14 51 | 0 56 | 1 32 | 17 25 | 9 19 | 5 57 |
| S 31 | 16s 1 | 20s18 | 3s36 | 14s34 | 0n39 | 0n47 | 1n44 | 5n52 | 1n31 | 21s 4 | 0s50 | 16s13 | 1n52 | 1s43 | 0n40 | 5s 8 | 1n44 | 1n13 | 14s51 | 0s57 | 1s33 | 17s28 | 9s20 | 5n57 |

Julian Day Number = 2134428.5, Delta T = 16m07s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'07, Lahiri = 11°45'08 Julian Calendar 1 Oct. 1131 == Greg. Calendar 8 Oct. 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## NOVEMBER 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 4 2 | 14♏40'46 | 26♒45 | 9°R40 | 3♎12 | 19♍19 | 0♒ 9 | 20♏49 | 5♎54 | 17♎ 6 | 11°R30 | 27♓39 | 26♓ 4 | 8♏ 2 | 19♒44 | S 1 |
| M 2 | 3 7 59 | 15°41'25 | 10♓28 | 8♏29 | 4°23 | 19°55 | 0°17 | 20°56 | 5°57 | 17° 8 | 11♉29 | 27°40 | 26° 1 | 8° 8 | 19°44 | M 2 |
| T 3 | 3 11 55 | 16°42'05 | 24°37 | 7°27 | 5°34 | 20°30 | 0°25 | 21° 3 | 6° 0 | 17°10 | 11°28 | 27°R41 | 25°58 | 8°15 | 19°45 | T 3 |
| W 4 | 3 15 52 | 17°42'46 | 9♈12 | 6°34 | 6°45 | 21° 6 | 0°34 | 21°10 | 6° 3 | 17°12 | 11°27 | 27°40 | 25°55 | 8°22 | 19°45 | W 4 |
| T 5 | 3 19 48 | 18°43'28 | 24° 9 | 5°52 | 7°56 | 21°41 | 0°42 | 21°17 | 6° 6 | 17°14 | 11°26 | 27°38 | 25°51 | 8°28 | 19°46 | T 5 |
| F 6 | 3 23 45 | 19°44'11 | 9♉21 | 5°22 | 9° 7 | 22°17 | 0°51 | 21°24 | 6° 9 | 17°16 | 11°25 | 27°33 | 25°48 | 8°35 | 19°47 | F 6 |
| S 7 | 3 27 41 | 20°44'56 | 24°39 | 5° 4 | 10°19 | 22°52 | 1° 0 | 21°31 | 6°12 | 17°18 | 11°24 | 27°25 | 25°45 | 8°42 | 19°48 | S 7 |
| S 8 | 3 31 38 | 21°45'43 | 9♊52 | 4°D57 | 11°31 | 23°27 | 1° 8 | 21°39 | 6°15 | 17°20 | 11°23 | 27°17 | 25°42 | 8°49 | 19°48 | S 8 |
| M 9 | 3 35 35 | 22°46'30 | 24°49 | 5° 1 | 12°42 | 24° 2 | 1°18 | 21°46 | 6°18 | 17°22 | 11°21 | 27° 8 | 25°39 | 8°55 | 19°49 | M 9 |
| T 10 | 3 39 31 | 23°47'19 | 9♋21 | 5°15 | 13°54 | 24°37 | 1°27 | 21°53 | 6°21 | 17°23 | 11°20 | 27° 0 | 25°36 | 9° 2 | 19°50 | T 10 |
| W11 | 3 43 28 | 24°48'10 | 23°25 | 5°38 | 15° 6 | 25°13 | 1°36 | 22° 0 | 6°24 | 17°25 | 11°19 | 26°54 | 25°32 | 9° 9 | 19°52 | W11 |
| T 12 | 3 47 24 | 25°49'02 | 6♌58 | 6°10 | 16°18 | 25°48 | 1°46 | 22° 7 | 6°26 | 17°27 | 11°18 | 26°50 | 25°29 | 9°15 | 19°53 | T 12 |
| F 13 | 3 51 21 | 26°49'55 | 20° 2 | 6°49 | 17°30 | 26°23 | 1°55 | 22°14 | 6°29 | 17°29 | 11°17 | 26°48 | 25°26 | 9°22 | 19°54 | F 13 |
| S 14 | 3 55 17 | 27°50'50 | 2♍42 | 7°35 | 18°42 | 26°57 | 2° 5 | 22°21 | 6°32 | 17°31 | 11°16 | 26°D48 | 25°23 | 9°29 | 19°55 | S 14 |
| S 15 | 3 59 14 | 28°51'46 | 15° 1 | 8°27 | 19°55 | 27°32 | 2°15 | 22°28 | 6°35 | 17°33 | 11°15 | 26°48 | 25°20 | 9°35 | 19°56 | S 15 |
| M16 | 4 3 10 | 29°52'44 | 27° 5 | 9°25 | 21° 7 | 28° 7 | 2°25 | 22°35 | 6°37 | 17°35 | 11°14 | 26°R49 | 25°17 | 9°42 | 19°58 | M16 |
| T 17 | 4 7 7 | 0♐53'42 | 8♎59 | 10°27 | 22°20 | 28°42 | 2°35 | 22°42 | 6°40 | 17°36 | 11°13 | 26°48 | 25°13 | 9°49 | 19°59 | T 17 |
| W18 | 4 11 4 | 1°54'42 | 20°48 | 11°32 | 23°32 | 29°17 | 2°45 | 22°49 | 6°42 | 17°38 | 11°12 | 26°45 | 25°10 | 9°55 | 20° 1 | W18 |
| T 19 | 4 15 0 | 2°55'43 | 2♏36 | 12°42 | 24°45 | 29°51 | 2°55 | 22°56 | 6°45 | 17°40 | 11°11 | 26°39 | 25° 7 | 10° 2 | 20° 2 | T 19 |
| F 20 | 4 18 57 | 3°56'45 | 14°25 | 13°54 | 25°58 | 0♎26 | 3° 6 | 23° 3 | 6°47 | 17°41 | 11°10 | 26°31 | 25° 4 | 10° 9 | 20° 4 | F 20 |
| S 21 | 4 22 53 | 4°57'49 | 26°18 | 15° 9 | 27°10 | 1° 0 | 3°16 | 23°10 | 6°50 | 17°43 | 11° 9 | 26°19 | 25° 1 | 10°15 | 20° 5 | S 21 |
| S 22 | 4 26 50 | 5°58'53 | 8♐17 | 16°26 | 28°23 | 1°35 | 3°27 | 23°17 | 6°52 | 17°45 | 11° 8 | 26° 6 | 24°57 | 10°22 | 20° 7 | S 22 |
| M23 | 4 30 46 | 6°59'58 | 20°23 | 17°45 | 29°36 | 2° 9 | 3°38 | 23°24 | 6°55 | 17°46 | 11° 7 | 25°52 | 24°54 | 10°29 | 20° 9 | M23 |
| T 24 | 4 34 43 | 8° 1'04 | 2♑37 | 19° 5 | 0♏49 | 2°43 | 3°49 | 23°31 | 6°57 | 17°48 | 11° 6 | 25°39 | 24°51 | 10°35 | 20°11 | T 24 |
| W25 | 4 38 39 | 9° 2'10 | 14°59 | 20°27 | 2° 2 | 3°18 | 4° 0 | 23°38 | 6°59 | 17°50 | 11° 5 | 25°27 | 24°48 | 10°42 | 20°13 | W25 |
| T 26 | 4 42 36 | 10° 3'17 | 27°31 | 21°50 | 3°15 | 3°52 | 4°11 | 23°45 | 7° 1 | 17°51 | 11° 4 | 25°17 | 24°45 | 10°49 | 20°15 | T 26 |
| F 27 | 4 46 33 | 11° 4'24 | 10♒15 | 23°15 | 4°29 | 4°26 | 4°22 | 23°52 | 7° 3 | 17°53 | 11° 3 | 25°11 | 24°42 | 10°56 | 20°17 | F 27 |
| S 28 | 4 50 29 | 12° 5'32 | 23°12 | 24°40 | 5°42 | 5° 0 | 4°33 | 23°59 | 7° 6 | 17°54 | 11° 2 | 25° 7 | 24°38 | 11° 2 | 20°19 | S 28 |
| S 29 | 4 54 26 | 13° 6'40 | 6♓26 | 26° 6 | 6°55 | 5°34 | 4°44 | 24° 6 | 7° 8 | 17°56 | 11° 1 | 25° 6 | 24°35 | 11° 9 | 20°21 | S 29 |
| M30 | 4 58 22 | 14♐ 7'48 | 19♓59 | 27♏33 | 8♏ 8 | 6♎ 8 | 4♒56 | 24♏13 | 7♎10 | 17♎57 | 11♉ 0 | 25♓ 6 | 24♓32 | 11♏16 | 20♒23 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s19 | 15s 9 | 2s39 | 13s52 | 0n58 | 0n20 | 1n46 | 5n39 | 1n31 | 21s 2 | 0s50 | 16s14 | 1n52 | 1s44 | 0n40 | 5s 9 | 1n44 | 1n13 | 14s51 | 0s56 | 1s34 | 17s30 | 9s20 | 5n56 |
| M 2 | 16 37 | 9 6 | 1 32 | 13 12 | 1 16 | 0s 6 | 1 48 | 5 25 | 1 32 | 21 0 | 0 50 | 16 16 | 1 52 | 1 45 | 0 40 | 5 10 | 1 44 | 1 12 | 14 51 | 0 56 | 1 35 | 17 33 | 9 20 | 5 56 |
| T 3 | 16 54 | 2 24 | 0 17 | 12 36 | 1 32 | 0 33 | 1 49 | 5 11 | 1 32 | 20 58 | 0 50 | 16 18 | 1 52 | 1 46 | 0 40 | 5 11 | 1 44 | 1 12 | 14 51 | 0 56 | 1 37 | 17 36 | 9 20 | 5 55 |
| W 4 | 17 12 | 4n36 | 1n 2 | 12 5 | 1 47 | 1 0 | 1 51 | 4 57 | 1 32 | 20 56 | 0 50 | 16 20 | 1 52 | 1 48 | 0 41 | 5 11 | 1 44 | 1 12 | 14 51 | 0 56 | 1 38 | 17 39 | 9 20 | 5 55 |
| T 5 | 17 29 | 11 32 | 2 17 | 11 40 | 1 59 | 1 26 | 1 53 | 4 44 | 1 32 | 20 54 | 0 50 | 16 22 | 1 52 | 1 49 | 0 41 | 5 12 | 1 44 | 1 12 | 14 50 | 0 57 | 1 39 | 17 42 | 9 21 | 5 55 |
| F 6 | 17 45 | 17 54 | 3 25 | 11 20 | 2 10 | 1 53 | 1 54 | 4 30 | 1 33 | 20 52 | 0 50 | 16 24 | 1 52 | 1 50 | 0 41 | 5 13 | 1 44 | 1 11 | 14 50 | 0 59 | 1 41 | 17 45 | 9 21 | 5 54 |
| S 7 | 18 2 | 23 11 | 4 17 | 11 6 | 2 18 | 2 20 | 1 55 | 4 16 | 1 33 | 20 50 | 0 50 | 16 26 | 1 52 | 1 51 | 0 41 | 5 13 | 1 44 | 1 11 | 14 50 | 1 2 | 1 42 | 17 47 | 9 21 | 5 54 |
| S 8 | 18 18 | 26 50 | 4 52 | 10 58 | 2 25 | 2 47 | 1 57 | 4 2 | 1 33 | 20 48 | 0 50 | 16 28 | 1 52 | 1 52 | 0 41 | 5 14 | 1 44 | 1 11 | 14 50 | 1 5 | 1 43 | 17 50 | 9 21 | 5 53 |
| M 9 | 18 33 | 28 32 | 5 5 | 10 55 | 2 29 | 3 14 | 1 58 | 3 49 | 1 34 | 20 46 | 0 50 | 16 30 | 1 52 | 1 54 | 0 41 | 5 15 | 1 44 | 1 11 | 14 50 | 1 9 | 1 44 | 17 53 | 9 21 | 5 53 |
| T 10 | 18 49 | 28 11 | 4 58 | 10 57 | 2 32 | 3 41 | 1 59 | 3 35 | 1 34 | 20 44 | 0 50 | 16 31 | 1 52 | 1 55 | 0 41 | 5 16 | 1 44 | 1 10 | 14 50 | 1 12 | 1 46 | 17 56 | 9 21 | 5 53 |
| W11 | 19 4 | 26 0 | 4 34 | 11 3 | 2 34 | 4 8 | 2 0 | 3 21 | 1 34 | 20 42 | 0 49 | 16 33 | 1 52 | 1 56 | 0 41 | 5 16 | 1 44 | 1 10 | 14 50 | 1 14 | 1 47 | 17 58 | 9 21 | 5 52 |
| T 12 | 19 18 | 22 24 | 3 54 | 11 13 | 2 34 | 4 35 | 2 1 | 3 7 | 1 34 | 20 40 | 0 49 | 16 35 | 1 52 | 1 57 | 0 41 | 5 17 | 1 44 | 1 10 | 14 50 | 1 16 | 1 48 | 18 1 | 9 21 | 5 52 |
| F 13 | 19 33 | 17 46 | 3 4 | 11 27 | 2 33 | 5 2 | 2 1 | 2 54 | 1 35 | 20 38 | 0 49 | 16 37 | 1 52 | 1 58 | 0 41 | 5 18 | 1 44 | 1 10 | 14 50 | 1 17 | 1 49 | 18 4 | 9 21 | 5 51 |
| S 14 | 19 47 | 12 31 | 2 5 | 11 44 | 2 31 | 5 29 | 2 2 | 2 40 | 1 35 | 20 36 | 0 49 | 16 39 | 1 52 | 1 59 | 0 41 | 5 18 | 1 44 | 1 9 | 14 50 | 1 17 | 1 51 | 18 7 | 9 21 | 5 51 |
| S 15 | 20 0 | 6 54 | 1 3 | 12 4 | 2 27 | 5 56 | 2 2 | 2 26 | 1 35 | 20 33 | 0 49 | 16 41 | 1 52 | 2 0 | 0 41 | 5 19 | 1 44 | 1 9 | 14 50 | 1 17 | 1 52 | 18 10 | 9 21 | 5 51 |
| M16 | 20 13 | 1 9 | 0s 1 | 12 26 | 2 24 | 6 23 | 2 3 | 2 13 | 1 35 | 20 31 | 0 49 | 16 42 | 1 52 | 2 1 | 0 41 | 5 20 | 1 44 | 1 9 | 14 49 | 1 16 | 1 53 | 18 12 | 9 21 | 5 50 |
| T 17 | 20 26 | 4s34 | 1 5 | 12 49 | 2 19 | 6 50 | 2 3 | 1 59 | 1 36 | 20 29 | 0 49 | 16 44 | 1 52 | 2 2 | 0 41 | 5 20 | 1 44 | 1 9 | 14 49 | 1 17 | 1 54 | 18 15 | 9 21 | 5 50 |
| W18 | 20 39 | 10 5 | 2 4 | 13 14 | 2 14 | 7 16 | 2 3 | 1 45 | 1 36 | 20 26 | 0 49 | 16 46 | 1 52 | 2 3 | 0 41 | 5 21 | 1 44 | 1 9 | 14 49 | 1 18 | 1 56 | 18 18 | 9 21 | 5 49 |
| T 19 | 20 51 | 15 13 | 2 58 | 13 41 | 2 9 | 7 43 | 2 4 | 1 32 | 1 36 | 20 24 | 0 49 | 16 48 | 1 52 | 2 4 | 0 41 | 5 21 | 1 44 | 1 9 | 14 49 | 1 20 | 1 57 | 18 21 | 9 21 | 5 49 |
| F 20 | 21 2 | 19 49 | 3 45 | 14 8 | 2 3 | 8 9 | 2 4 | 1 18 | 1 36 | 20 21 | 0 49 | 16 50 | 1 52 | 2 5 | 0 41 | 5 22 | 1 44 | 1 8 | 14 49 | 1 24 | 1 58 | 18 23 | 9 21 | 5 49 |
| S 21 | 21 14 | 23 39 | 4 21 | 14 36 | 1 56 | 8 36 | 2 4 | 1 5 | 1 37 | 20 19 | 0 49 | 16 51 | 1 52 | 2 6 | 0 41 | 5 23 | 1 44 | 1 8 | 14 49 | 1 28 | 1 59 | 18 26 | 9 21 | 5 48 |
| S 22 | 21 25 | 26 31 | 4 47 | 15 5 | 1 50 | 9 2 | 2 3 | 0 51 | 1 37 | 20 16 | 0 49 | 16 53 | 1 52 | 2 7 | 0 41 | 5 23 | 1 45 | 1 8 | 14 49 | 1 33 | 2 1 | 18 29 | 9 20 | 5 48 |
| M23 | 21 35 | 28 11 | 4 59 | 15 33 | 1 43 | 9 28 | 2 3 | 0 38 | 1 37 | 20 14 | 0 49 | 16 55 | 1 52 | 2 8 | 0 41 | 5 24 | 1 45 | 1 8 | 14 48 | 1 39 | 2 2 | 18 31 | 9 20 | 5 48 |
| T 24 | 21 45 | 28 30 | 4 59 | 16 2 | 1 36 | 9 54 | 2 3 | 0 24 | 1 37 | 20 11 | 0 49 | 16 57 | 1 52 | 2 9 | 0 41 | 5 24 | 1 45 | 1 8 | 14 48 | 1 44 | 2 3 | 18 34 | 9 20 | 5 47 |
| W25 | 21 55 | 27 25 | 4 44 | 16 31 | 1 29 | 10 20 | 2 2 | 0 11 | 1 38 | 20 9 | 0 49 | 16 58 | 1 52 | 2 9 | 0 41 | 5 25 | 1 45 | 1 8 | 14 48 | 1 49 | 2 5 | 18 37 | 9 20 | 5 47 |
| T 26 | 22 4 | 24 56 | 4 15 | 17 0 | 1 21 | 10 45 | 2 2 | 0s 3 | 1 38 | 20 6 | 0 49 | 17 0 | 1 52 | 2 10 | 0 41 | 5 25 | 1 45 | 1 8 | 14 48 | 1 53 | 2 6 | 18 40 | 9 20 | 5 46 |
| F 27 | 22 13 | 21 11 | 3 34 | 17 29 | 1 14 | 11 10 | 2 1 | 0 16 | 1 38 | 20 3 | 0 49 | 17 2 | 1 52 | 2 11 | 0 41 | 5 26 | 1 45 | 1 7 | 14 48 | 1 55 | 2 7 | 18 42 | 9 19 | 5 46 |
| S 28 | 22 21 | 16 22 | 2 40 | 17 57 | 1 7 | 11 35 | 2 1 | 0 29 | 1 38 | 20 0 | 0 49 | 17 3 | 1 52 | 2 12 | 0 41 | 5 27 | 1 45 | 1 7 | 14 47 | 1 57 | 2 8 | 18 45 | 9 19 | 5 46 |
| S 29 | 22 29 | 10 42 | 1 37 | 18 25 | 0 59 | 12 0 | 2 0 | 0 43 | 1 39 | 19 58 | 0 49 | 17 5 | 1 52 | 2 13 | 0 41 | 5 27 | 1 45 | 1 7 | 14 47 | 1 57 | 2 10 | 18 48 | 9 19 | 5 45 |
| M30 | 22s36 | 4s24 | 0s27 | 18s52 | 0n52 | 12s25 | 1n59 | 0s56 | 1n39 | 19s55 | 0s49 | 17s 7 | 1n52 | 2s14 | 0n41 | 5s28 | 1n45 | 1n 7 | 14s47 | 1s57 | 2s11 | 18s50 | 9s18 | 5n45 |

Julian Day Number = 2134459.5, Delta T = 16m07s
Ecliptic obliquity = 23°33'16, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'12, Lahiri = 11°45'12 Julian Calendar 1 Nov. 1131 == Greg. Calendar 8 Nov. 1131


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# ASTRODIENST EPHEMERIS for the year 1131
# geocentric

## DECEMBER 1131 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 2 19 | 15♐ 8'57 | 3♈53 | 29♏ 1 | 9♏22 | 6♎42 | 5♒ 7 | 24♏20 | 7♎12 | 17♎58 | 10°R59 | 25°R 6 | 24♓29 | 11♏22 | 20♒25 | T 1 |
| W 2 | 5 6 15 | 16°10'05 | 18°10 | 0♐29 | 10°35 | 7°15 | 5°19 | 24°26 | 7°14 | 18° 0 | 10♉58 | 25♓ 4 | 24°26 | 11°29 | 20°27 | W 2 |
| T 3 | 5 10 12 | 17°11'14 | 2♉47 | 1°58 | 11°49 | 7°49 | 5°31 | 24°33 | 7°15 | 18° 1 | 10°57 | 25° 0 | 24°23 | 11°36 | 20°30 | T 3 |
| F 4 | 5 14 8 | 18°12'23 | 17°41 | 3°27 | 13° 2 | 8°22 | 5°43 | 24°40 | 7°17 | 18° 3 | 10°56 | 24°53 | 24°19 | 11°42 | 20°32 | F 4 |
| S 5 | 5 18 5 | 19°13'32 | 2♊45 | 4°56 | 14°16 | 8°56 | 5°55 | 24°46 | 7°19 | 18° 4 | 10°55 | 24°44 | 24°16 | 11°49 | 20°34 | S 5 |
| S 6 | 5 22 2 | 20°14'42 | 17°49 | 6°26 | 15°30 | 9°29 | 6° 7 | 24°53 | 7°21 | 18° 5 | 10°55 | 24°32 | 24°13 | 11°56 | 20°37 | S 6 |
| M 7 | 5 25 58 | 21°15'52 | 2♋42 | 7°57 | 16°43 | 10° 3 | 6°19 | 25° 0 | 7°22 | 18° 6 | 10°54 | 24°20 | 24°10 | 12° 2 | 20°39 | M 7 |
| T 8 | 5 29 55 | 22°17'02 | 17°17 | 9°27 | 17°57 | 10°36 | 6°31 | 25° 6 | 7°24 | 18° 8 | 10°53 | 24° 9 | 24° 7 | 12° 9 | 20°42 | T 8 |
| W 9 | 5 33 51 | 23°18'13 | 1♌26 | 10°58 | 19°11 | 11° 9 | 6°43 | 25°13 | 7°26 | 18° 9 | 10°52 | 23°59 | 24° 4 | 12°16 | 20°44 | W 9 |
| T 10 | 5 37 48 | 24°19'24 | 15° 7 | 12°30 | 20°25 | 11°42 | 6°56 | 25°19 | 7°27 | 18°10 | 10°51 | 23°52 | 24° 0 | 12°22 | 20°47 | T 10 |
| F 11 | 5 41 44 | 25°20'35 | 28°18 | 14° 1 | 21°39 | 12°15 | 7° 8 | 25°26 | 7°29 | 18°11 | 10°51 | 23°48 | 23°57 | 12°29 | 20°50 | F 11 |
| S 12 | 5 45 41 | 26°21'47 | 11♍ 3 | 15°33 | 22°52 | 12°48 | 7°21 | 25°32 | 7°30 | 18°12 | 10°50 | 23°46 | 23°54 | 12°36 | 20°53 | S 12 |
| S 13 | 5 49 38 | 27°22'58 | 23°26 | 17° 6 | 24° 6 | 13°21 | 7°33 | 25°39 | 7°31 | 18°13 | 10°49 | 23°46 | 23°51 | 12°43 | 20°55 | S 13 |
| M14 | 5 53 34 | 28°24'11 | 5♎32 | 18°39 | 25°20 | 13°54 | 7°46 | 25°45 | 7°33 | 18°14 | 10°48 | 23°46 | 23°48 | 12°49 | 20°58 | M14 |
| T 15 | 5 57 31 | 29°25'23 | 17°26 | 20°12 | 26°34 | 14°26 | 7°58 | 25°51 | 7°34 | 18°15 | 10°48 | 23°45 | 23°44 | 12°56 | 21° 1 | T 15 |
| W16 | 6 1 27 | 0♏26'36 | 29°15 | 21°45 | 27°48 | 14°59 | 8°11 | 25°58 | 7°35 | 18°16 | 10°47 | 23°42 | 23°41 | 13° 3 | 21° 4 | W16 |
| T 17 | 6 5 24 | 1°27'49 | 11♏ 3 | 23°19 | 29° 3 | 15°31 | 8°24 | 26° 4 | 7°36 | 18°17 | 10°46 | 23°36 | 23°38 | 13° 9 | 21° 7 | T 17 |
| F 18 | 6 9 20 | 2°29'02 | 22°55 | 24°53 | 0♐17 | 16° 3 | 8°37 | 26°10 | 7°37 | 18°18 | 10°46 | 23°27 | 23°35 | 13°16 | 21°10 | F 18 |
| S 19 | 6 13 17 | 3°30'15 | 4♐53 | 26°27 | 1°31 | 16°36 | 8°50 | 26°16 | 7°38 | 18°19 | 10°45 | 23°16 | 23°32 | 13°23 | 21°13 | S 19 |
| S 20 | 6 17 13 | 4°31'28 | 16°59 | 28° 2 | 2°45 | 17° 8 | 9° 3 | 26°22 | 7°39 | 18°20 | 10°44 | 23° 3 | 23°29 | 13°29 | 21°16 | S 20 |
| M21 | 6 21 10 | 5°32'40 | 29°17 | 29°38 | 3°59 | 17°40 | 9°16 | 26°29 | 7°40 | 18°21 | 10°44 | 22°48 | 23°25 | 13°36 | 21°19 | M21 |
| T 22 | 6 25 7 | 6°33'53 | 11♑45 | 1♑13 | 5°13 | 18°12 | 9°29 | 26°35 | 7°41 | 18°22 | 10°43 | 22°34 | 23°22 | 13°43 | 21°22 | T 22 |
| W23 | 6 29 3 | 7°35'05 | 24°24 | 2°49 | 6°28 | 18°43 | 9°43 | 26°40 | 7°42 | 18°22 | 10°43 | 22°22 | 23°19 | 13°49 | 21°26 | W23 |
| T 24 | 6 33 0 | 8°36'17 | 7♒14 | 4°26 | 7°42 | 19°15 | 9°56 | 26°46 | 7°43 | 18°23 | 10°42 | 22°12 | 23°16 | 13°56 | 21°29 | T 24 |
| F 25 | 6 36 56 | 9°37'28 | 20°15 | 6° 3 | 8°56 | 19°47 | 10° 9 | 26°52 | 7°44 | 18°24 | 10°42 | 22° 5 | 23°13 | 14° 3 | 21°32 | F 25 |
| S 26 | 6 40 53 | 10°38'38 | 3♓26 | 7°41 | 10°10 | 20°18 | 10°23 | 26°58 | 7°44 | 18°24 | 10°41 | 22° 1 | 23°10 | 14°10 | 21°35 | S 26 |
| S 27 | 6 44 49 | 11°39'48 | 16°49 | 9°19 | 11°25 | 20°49 | 10°36 | 27° 4 | 7°45 | 18°25 | 10°41 | 21°D59 | 23° 6 | 14°16 | 21°39 | S 27 |
| M28 | 6 48 46 | 12°40'57 | 0♈25 | 10°57 | 12°39 | 21°20 | 10°50 | 27° 9 | 7°45 | 18°26 | 10°40 | 22° 0 | 23° 3 | 14°23 | 21°42 | M28 |
| T 29 | 6 52 42 | 13°42'05 | 14°15 | 12°36 | 13°53 | 21°51 | 11° 3 | 27°15 | 7°46 | 18°26 | 10°40 | 22°R 0 | 23° 0 | 14°30 | 21°46 | T 29 |
| W30 | 6 56 39 | 14°43'12 | 28°19 | 14°16 | 15° 8 | 22°22 | 11°17 | 27°21 | 7°46 | 18°27 | 10°39 | 21°59 | 22°57 | 14°36 | 21°49 | W30 |
| T 31 | 7 0 36 | 15♑44'19 | 12♉37 | 15♑56 | 16♐22 | 22♎53 | 11♒31 | 27♏26 | 7♎47 | 18♎27 | 10♉39 | 21♓56 | 22♓54 | 14♏43 | 21♒53 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s43 | 2n16 | 0n46 | 19s19 | 0n44 | 12s49 | 1n58 | 1s 9 | 1n39 | 19s52 | 0s49 | 17s 8 | 1n52 | 2s14 | 0n41 | 5s28 | 1n45 | 1n 7 | 14s47 | 1s57 | 2s12 | 18s53 | 9s18 | 5n45 |
| W 2 | 22 50 | 8 59 | 1 59 | 19 45 | 0 37 | 13 13 | 1 57 | 1 22 | 1 39 | 19 49 | 0 49 | 17 10 | 1 52 | 2 15 | 0 41 | 5 29 | 1 45 | 1 7 | 14 47 | 1 58 | 2 13 | 18 56 | 9 18 | 5 44 |
| T 3 | 22 56 | 15 23 | 3 5 | 20 11 | 0 29 | 13 37 | 1 56 | 1 35 | 1 40 | 19 46 | 0 49 | 17 12 | 1 52 | 2 16 | 0 41 | 5 29 | 1 45 | 1 7 | 14 46 | 2 0 | 2 15 | 18 59 | 9 17 | 5 44 |
| F 4 | 23 2 | 21 1 | 4 0 | 20 35 | 0 22 | 14 0 | 1 55 | 1 48 | 1 40 | 19 43 | 0 49 | 17 13 | 1 52 | 2 16 | 0 41 | 5 29 | 1 45 | 1 7 | 14 46 | 2 2 | 2 16 | 19 1 | 9 17 | 5 44 |
| S 5 | 23 7 | 25 22 | 4 39 | 20 59 | 0 14 | 14 24 | 1 53 | 2 1 | 1 40 | 19 40 | 0 49 | 17 15 | 1 52 | 2 17 | 0 41 | 5 30 | 1 45 | 1 7 | 14 46 | 2 6 | 2 17 | 19 4 | 9 16 | 5 43 |
| S 6 | 23 12 | 27 56 | 4 58 | 21 22 | 0 7 | 14 46 | 1 52 | 2 14 | 1 40 | 19 37 | 0 49 | 17 16 | 1 52 | 2 18 | 0 41 | 5 30 | 1 45 | 1 7 | 14 46 | 2 11 | 2 18 | 19 7 | 9 16 | 5 43 |
| M 7 | 23 16 | 28 28 | 4 57 | 21 44 | 0s 0 | 15 9 | 1 51 | 2 27 | 1 41 | 19 34 | 0 49 | 17 18 | 1 52 | 2 18 | 0 41 | 5 31 | 1 45 | 1 7 | 14 46 | 2 16 | 2 20 | 19 9 | 9 15 | 5 43 |
| T 8 | 23 20 | 27 0 | 4 36 | 22 6 | 0 7 | 15 31 | 1 49 | 2 40 | 1 41 | 19 31 | 0 49 | 17 20 | 1 52 | 2 19 | 0 41 | 5 31 | 1 45 | 1 7 | 14 45 | 2 20 | 2 21 | 19 12 | 9 15 | 5 42 |
| W 9 | 23 23 | 23 49 | 3 59 | 22 26 | 0 14 | 15 53 | 1 48 | 2 53 | 1 41 | 19 28 | 0 49 | 17 21 | 1 52 | 2 20 | 0 41 | 5 32 | 1 45 | 1 7 | 14 45 | 2 24 | 2 22 | 19 15 | 9 14 | 5 42 |
| T 10 | 23 26 | 19 23 | 3 9 | 22 45 | 0 21 | 16 14 | 1 46 | 3 6 | 1 41 | 19 25 | 0 49 | 17 23 | 1 52 | 2 20 | 0 42 | 5 32 | 1 45 | 1 7 | 14 45 | 2 27 | 2 24 | 19 17 | 9 14 | 5 42 |
| F 11 | 23 28 | 14 9 | 2 10 | 23 3 | 0 28 | 16 35 | 1 44 | 3 18 | 1 42 | 19 22 | 0 49 | 17 24 | 1 52 | 2 21 | 0 42 | 5 32 | 1 46 | 1 7 | 14 45 | 2 28 | 2 25 | 19 20 | 9 13 | 5 41 |
| S 12 | 23 30 | 8 29 | 1 7 | 23 20 | 0 34 | 16 56 | 1 42 | 3 31 | 1 42 | 19 18 | 0 49 | 17 26 | 1 52 | 2 21 | 0 42 | 5 33 | 1 46 | 1 7 | 14 44 | 2 29 | 2 26 | 19 22 | 9 13 | 5 41 |
| S 13 | 23 32 | 2 39 | 0 2 | 23 36 | 0 41 | 17 16 | 1 41 | 3 44 | 1 42 | 19 15 | 0 49 | 17 27 | 1 52 | 2 22 | 0 42 | 5 33 | 1 46 | 1 7 | 14 44 | 2 29 | 2 27 | 19 25 | 9 12 | 5 41 |
| M14 | 23 33 | 3s 9 | 1s 2 | 23 51 | 0 47 | 17 35 | 1 39 | 3 56 | 1 42 | 19 12 | 0 49 | 17 28 | 1 52 | 2 22 | 0 42 | 5 33 | 1 46 | 1 7 | 14 44 | 2 29 | 2 29 | 19 28 | 9 12 | 5 40 |
| T 15 | 23 33 | 8 45 | 2 2 | 24 4 | 0 53 | 17 55 | 1 37 | 4 9 | 1 42 | 19 9 | 0 49 | 17 30 | 1 52 | 2 23 | 0 42 | 5 34 | 1 46 | 1 7 | 14 44 | 2 30 | 2 30 | 19 30 | 9 11 | 5 40 |
| W16 | 23 33 | 14 0 | 2 56 | 24 17 | 0 59 | 18 14 | 1 35 | 4 21 | 1 43 | 19 5 | 0 49 | 17 31 | 1 52 | 2 23 | 0 42 | 5 34 | 1 46 | 1 7 | 14 43 | 2 31 | 2 31 | 19 33 | 9 10 | 5 40 |
| T 17 | 23 33 | 18 44 | 3 42 | 24 28 | 1 5 | 18 32 | 1 33 | 4 34 | 1 43 | 19 2 | 0 49 | 17 33 | 1 52 | 2 24 | 0 42 | 5 34 | 1 46 | 1 7 | 14 43 | 2 33 | 2 32 | 19 36 | 9 10 | 5 40 |
| F 18 | 23 32 | 22 46 | 4 19 | 24 37 | 1 10 | 18 50 | 1 31 | 4 46 | 1 43 | 18 59 | 0 49 | 17 34 | 1 52 | 2 24 | 0 42 | 5 35 | 1 46 | 1 7 | 14 43 | 2 37 | 2 34 | 19 38 | 9 9 | 5 39 |
| S 19 | 23 30 | 25 53 | 4 45 | 24 46 | 1 16 | 19 7 | 1 29 | 4 58 | 1 43 | 18 55 | 0 49 | 17 36 | 1 52 | 2 24 | 0 42 | 5 35 | 1 46 | 1 7 | 14 43 | 2 41 | 2 35 | 19 41 | 9 8 | 5 39 |
| S 20 | 23 29 | 27 52 | 4 58 | 24 53 | 1 21 | 19 24 | 1 26 | 5 10 | 1 43 | 18 52 | 0 49 | 17 37 | 1 52 | 2 25 | 0 42 | 5 35 | 1 46 | 1 7 | 14 42 | 2 46 | 2 36 | 19 43 | 9 8 | 5 39 |
| M21 | 23 26 | 28 31 | 4 58 | 24 59 | 1 26 | 19 40 | 1 24 | 5 22 | 1 44 | 18 48 | 0 49 | 17 38 | 1 52 | 2 25 | 0 42 | 5 35 | 1 46 | 1 7 | 14 42 | 2 52 | 2 37 | 19 46 | 9 7 | 5 38 |
| T 22 | 23 23 | 27 44 | 4 44 | 25 3 | 1 30 | 19 56 | 1 22 | 5 34 | 1 44 | 18 45 | 0 49 | 17 40 | 1 53 | 2 25 | 0 42 | 5 36 | 1 46 | 1 7 | 14 42 | 2 58 | 2 39 | 19 49 | 9 6 | 5 38 |
| W23 | 23 20 | 25 31 | 4 15 | 25 6 | 1 35 | 20 11 | 1 19 | 5 46 | 1 44 | 18 41 | 0 49 | 17 41 | 1 53 | 2 26 | 0 42 | 5 36 | 1 46 | 1 8 | 14 41 | 3 3 | 2 40 | 19 51 | 9 5 | 5 38 |
| T 24 | 23 16 | 21 59 | 3 33 | 25 8 | 1 39 | 20 26 | 1 17 | 5 58 | 1 44 | 18 37 | 0 49 | 17 42 | 1 53 | 2 26 | 0 42 | 5 36 | 1 46 | 1 8 | 14 41 | 3 7 | 2 41 | 19 54 | 9 5 | 5 38 |
| F 25 | 23 12 | 17 20 | 2 40 | 25 8 | 1 43 | 20 40 | 1 15 | 6 10 | 1 44 | 18 34 | 0 49 | 17 43 | 1 53 | 2 26 | 0 42 | 5 36 | 1 46 | 1 8 | 14 41 | 3 9 | 2 42 | 19 56 | 9 4 | 5 37 |
| S 26 | 23 8 | 11 48 | 1 37 | 25 6 | 1 46 | 20 53 | 1 12 | 6 21 | 1 44 | 18 30 | 0 49 | 17 45 | 1 53 | 2 26 | 0 42 | 5 37 | 1 46 | 1 8 | 14 41 | 3 11 | 2 44 | 19 59 | 9 3 | 5 37 |
| S 27 | 23 2 | 5 39 | 0 27 | 25 3 | 1 50 | 21 6 | 1 10 | 6 33 | 1 45 | 18 27 | 0 49 | 17 46 | 1 53 | 2 27 | 0 42 | 5 37 | 1 46 | 1 8 | 14 40 | 3 12 | 2 45 | 20 1 | 9 2 | 5 37 |
| M28 | 22 57 | 0n51 | 0n45 | 24 58 | 1 53 | 21 19 | 1 7 | 6 45 | 1 45 | 18 23 | 0 49 | 17 47 | 1 53 | 2 27 | 0 42 | 5 37 | 1 47 | 1 8 | 14 40 | 3 11 | 2 46 | 20 4 | 9 1 | 5 37 |
| T 29 | 22 51 | 7 25 | 1 55 | 24 52 | 1 55 | 21 30 | 1 5 | 6 56 | 1 45 | 18 19 | 0 49 | 17 48 | 1 53 | 2 27 | 0 42 | 5 37 | 1 47 | 1 8 | 14 40 | 3 11 | 2 47 | 20 7 | 9 1 | 5 36 |
| W30 | 22 44 | 13 44 | 3 0 | 24 44 | 1 58 | 21 42 | 1 2 | 7 7 | 1 45 | 18 15 | 0 49 | 17 49 | 1 53 | 2 27 | 0 42 | 5 37 | 1 47 | 1 9 | 14 39 | 3 12 | 2 49 | 20 9 | 9 0 | 5 36 |
| T 31 | 22s37 | 19n25 | 3n55 | 24s35 | 2s 0 | 21s52 | 0n59 | 7s19 | 1n45 | 18s12 | 0s49 | 17s51 | 1n53 | 2s27 | 0n42 | 5s37 | 1n47 | 1n 9 | 14s39 | 3s13 | 2s50 | 20s12 | 8s59 | 5n36 |

Julian Day Number = 2134489.5, Delta T = 16m07s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'16, Lahiri = 11°45'16 Julian Calendar 1 Dec. 1131 == Greg. Calendar 8 Dec. 1131


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## JANUARY 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 4 32 | 16♉45'24 | 27♉ 6 | 17♉37 | 17♐36 | 23♎24 | 11♒44 | 27♏32 | 7♎47 | 18♎28 | 10°R38 | 21°R51 | 22♓50 | 14♏50 | 21♒56 | F 1 |
| S 2 | 7 8 29 | 17°46'28 | 11♊44 | 19°18 | 18°51 | 23°54 | 11°58 | 27°37 | 7°47 | 18°28 | 10♉38 | 21♓43 | 22°47 | 14°56 | 22° 0 | S 2 |
| S 3 | 7 12 25 | 18°47'32 | 26°22 | 21° 0 | 20° 5 | 24°25 | 12°12 | 27°42 | 7°47 | 18°28 | 10°38 | 21°33 | 22°44 | 15° 3 | 22° 3 | S 3 |
| M 4 | 7 16 22 | 19°48'35 | 10♋55 | 22°42 | 21°20 | 24°55 | 12°26 | 27°48 | 7°47 | 18°29 | 10°37 | 21°23 | 22°41 | 15°10 | 22° 7 | M 4 |
| T 5 | 7 20 18 | 20°49'37 | 25°14 | 24°25 | 22°34 | 25°25 | 12°39 | 27°53 | 7°48 | 18°29 | 10°37 | 21°13 | 22°38 | 15°17 | 22°10 | T 5 |
| W 6 | 7 24 15 | 21°50'38 | 9♌14 | 26° 8 | 23°48 | 25°55 | 12°53 | 27°58 | 7°R48 | 18°29 | 10°37 | 21° 5 | 22°35 | 15°23 | 22°14 | W 6 |
| T 7 | 7 28 12 | 22°51'38 | 22°50 | 27°52 | 25° 3 | 26°25 | 13° 7 | 28° 3 | 7°48 | 18°29 | 10°37 | 20°59 | 22°31 | 15°30 | 22°18 | T 7 |
| F 8 | 7 32 8 | 23°52'37 | 6♍ 2 | 29°36 | 26°17 | 26°54 | 13°21 | 28° 8 | 7°47 | 18°30 | 10°36 | 20°55 | 22°28 | 15°37 | 22°21 | F 8 |
| S 9 | 7 36 5 | 24°53'35 | 18°50 | 1♒21 | 27°32 | 27°24 | 13°35 | 28°13 | 7°47 | 18°30 | 10°36 | 20°D54 | 22°25 | 15°43 | 22°25 | S 9 |
| S 10 | 7 40 1 | 25°54'33 | 1♎17 | 3° 6 | 28°46 | 27°53 | 13°49 | 28°18 | 7°47 | 18°30 | 10°36 | 20°54 | 22°22 | 15°50 | 22°29 | S 10 |
| M11 | 7 43 58 | 26°55'30 | 13°27 | 4°52 | 0♉ 1 | 28°22 | 14° 3 | 28°22 | 7°47 | 18°30 | 10°36 | 20°56 | 22°19 | 15°57 | 22°33 | M11 |
| T 12 | 7 47 54 | 27°56'26 | 25°25 | 6°38 | 1°15 | 28°51 | 14°18 | 28°27 | 7°47 | 18°30 | 10°36 | 20°R56 | 22°16 | 16° 3 | 22°37 | T 12 |
| W13 | 7 51 51 | 28°57'22 | 7♏16 | 8°24 | 2°30 | 29°20 | 14°32 | 28°32 | 7°46 | 18°30 | 10°36 | 20°56 | 22°12 | 16°10 | 22°40 | W13 |
| T 14 | 7 55 47 | 29°58'16 | 19° 6 | 10° 9 | 3°44 | 29°49 | 14°46 | 28°36 | 7°46 | 18°R30 | 10°35 | 20°54 | 22° 9 | 16°17 | 22°44 | T 14 |
| F 15 | 7 59 44 | 0♒59'10 | 0♐59 | 11°55 | 4°59 | 0♏17 | 15° 0 | 28°41 | 7°45 | 18°30 | 10°35 | 20°49 | 22° 6 | 16°23 | 22°48 | F 15 |
| S 16 | 8 3 41 | 2° 0'03 | 13° 1 | 13°40 | 6°13 | 0°45 | 15°14 | 28°45 | 7°45 | 18°30 | 10°35 | 20°43 | 22° 3 | 16°30 | 22°52 | S 16 |
| S 17 | 8 7 37 | 3° 0'55 | 25°14 | 15°25 | 7°28 | 1°13 | 15°29 | 28°50 | 7°44 | 18°30 | 10°35 | 20°35 | 22° 0 | 16°37 | 22°56 | S 17 |
| M18 | 8 11 34 | 4° 1'45 | 7♑40 | 17° 9 | 8°42 | 1°41 | 15°43 | 28°54 | 7°44 | 18°30 | 10°D35 | 20°26 | 21°56 | 16°44 | 23° 0 | M18 |
| T 19 | 8 15 30 | 5° 2'35 | 20°22 | 18°52 | 9°57 | 2° 9 | 15°57 | 28°58 | 7°43 | 18°30 | 10°35 | 20°17 | 21°53 | 16°50 | 23° 4 | T 19 |
| W20 | 8 19 27 | 6° 3'23 | 3♒19 | 20°33 | 11°11 | 2°36 | 16°11 | 29° 2 | 7°42 | 18°30 | 10°35 | 20° 9 | 21°50 | 16°57 | 23° 8 | W20 |
| T 21 | 8 23 23 | 7° 4'10 | 16°30 | 22°13 | 12°26 | 3° 4 | 16°26 | 29° 6 | 7°41 | 18°29 | 10°35 | 20° 3 | 21°47 | 17° 4 | 23°12 | T 21 |
| F 22 | 8 27 20 | 8° 4'56 | 29°55 | 23°50 | 13°41 | 3°31 | 16°40 | 29°10 | 7°40 | 18°29 | 10°35 | 19°59 | 21°44 | 17°10 | 23°16 | F 22 |
| S 23 | 8 31 16 | 9° 5'40 | 13♓30 | 25°24 | 14°55 | 3°58 | 16°54 | 29°14 | 7°40 | 18°29 | 10°35 | 19°D57 | 21°41 | 17°17 | 23°20 | S 23 |
| S 24 | 8 35 13 | 10° 6'22 | 27°15 | 26°55 | 16°10 | 4°24 | 17° 9 | 29°18 | 7°39 | 18°28 | 10°36 | 19°57 | 21°37 | 17°24 | 23°24 | S 24 |
| M25 | 8 39 10 | 11° 7'02 | 11♈ 8 | 28°22 | 17°24 | 4°51 | 17°23 | 29°21 | 7°38 | 18°28 | 10°36 | 19°58 | 21°34 | 17°30 | 23°28 | M25 |
| T 26 | 8 43 6 | 12° 7'41 | 25° 8 | 29°44 | 18°39 | 5°17 | 17°37 | 29°25 | 7°37 | 18°28 | 10°36 | 20° 0 | 21°31 | 17°37 | 23°32 | T 26 |
| W27 | 8 47 3 | 13° 8'18 | 9♉14 | 1♓ 1 | 19°53 | 5°43 | 17°52 | 29°29 | 7°35 | 18°27 | 10°36 | 20°R 1 | 21°28 | 17°44 | 23°36 | W27 |
| T 28 | 8 50 59 | 14° 8'54 | 23°23 | 2°12 | 21° 8 | 6° 8 | 18° 6 | 29°32 | 7°34 | 18°27 | 10°36 | 20° 0 | 21°25 | 17°51 | 23°40 | T 28 |
| F 29 | 8 54 56 | 15° 9'27 | 7♊36 | 3°16 | 22°22 | 6°34 | 18°21 | 29°35 | 7°33 | 18°26 | 10°36 | 19°58 | 21°21 | 17°57 | 23°44 | F 29 |
| S 30 | 8 58 52 | 16° 9'59 | 21°49 | 4°13 | 23°37 | 6°59 | 18°35 | 29°39 | 7°32 | 18°26 | 10°37 | 19°55 | 21°18 | 18° 4 | 23°48 | S 30 |
| S 31 | 9 2 49 | 17♒10'29 | 5♋58 | 5♓ 2 | 24♉51 | 7♏24 | 18♒50 | 29♏42 | 7♎31 | 18♎25 | 10♉37 | 19♓50 | 21♓15 | 18♏11 | 23♒52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s30 | 24n 4 | 4n36 | 24s24 | 2s 2 | 22s 2 | 0n57 | 7s30 | 1n45 | 18s 8 | 0s49 | 17s52 | 1n53 | 2s27 | 0n42 | 5s37 | 1n47 | 1n 9 | 14s39 | 3s15 | 2s51 | 20s14 | 8s58 | 5n36 |
| S 2 | 22 22 | 27 14 | 4 59 | 24 11 | 2 3 | 22 11 | 0 54 | 7 41 | 1 46 | 18 4 | 0 49 | 17 53 | 1 53 | 2 27 | 0 42 | 5 37 | 1 47 | 1 9 | 14 38 | 3 18 | 2 53 | 20 17 | 8 57 | 5 35 |
| S 3 | 22 14 | 28 32 | 5 2 | 23 57 | 2 4 | 22 20 | 0 51 | 7 52 | 1 46 | 18 0 | 0 49 | 17 54 | 1 53 | 2 27 | 0 42 | 5 38 | 1 47 | 1 9 | 14 38 | 3 22 | 2 54 | 20 19 | 8 56 | 5 35 |
| M 4 | 22 5 | 27 51 | 4 46 | 23 40 | 2 4 | 22 27 | 0 49 | 8 3 | 1 46 | 17 56 | 0 49 | 17 55 | 1 54 | 2 27 | 0 42 | 5 38 | 1 47 | 1 9 | 14 38 | 3 26 | 2 55 | 20 22 | 8 55 | 5 35 |
| T 5 | 21 56 | 25 19 | 4 12 | 23 23 | 2 4 | 22 35 | 0 46 | 8 14 | 1 46 | 17 52 | 0 49 | 17 56 | 1 54 | 2 27 | 0 42 | 5 38 | 1 47 | 1 10 | 14 38 | 3 30 | 2 56 | 20 24 | 8 54 | 5 35 |
| W 6 | 21 46 | 21 18 | 3 23 | 23 3 | 2 4 | 22 41 | 0 43 | 8 25 | 1 46 | 17 48 | 0 49 | 17 57 | 1 54 | 2 27 | 0 42 | 5 38 | 1 47 | 1 10 | 14 37 | 3 33 | 2 58 | 20 27 | 8 53 | 5 35 |
| T 7 | 21 36 | 16 14 | 2 24 | 22 42 | 2 3 | 22 47 | 0 41 | 8 35 | 1 46 | 17 44 | 0 49 | 17 58 | 1 54 | 2 27 | 0 42 | 5 38 | 1 47 | 1 10 | 14 37 | 3 36 | 2 59 | 20 29 | 8 52 | 5 34 |
| F 8 | 21 26 | 10 34 | 1 19 | 22 19 | 2 2 | 22 52 | 0 38 | 8 46 | 1 46 | 17 40 | 0 49 | 17 59 | 1 54 | 2 27 | 0 43 | 5 38 | 1 47 | 1 10 | 14 37 | 3 37 | 3 0 | 20 32 | 8 51 | 5 34 |
| S 9 | 21 15 | 4 37 | 0 11 | 21 54 | 2 0 | 22 57 | 0 35 | 8 56 | 1 47 | 17 36 | 0 49 | 18 0 | 1 54 | 2 27 | 0 43 | 5 38 | 1 47 | 1 11 | 14 36 | 3 37 | 3 1 | 20 34 | 8 50 | 5 34 |
| S 10 | 21 4 | 1s21 | 0s55 | 21 28 | 1 57 | 23 1 | 0 32 | 9 7 | 1 47 | 17 32 | 0 49 | 18 1 | 1 54 | 2 27 | 0 43 | 5 38 | 1 47 | 1 11 | 14 36 | 3 37 | 3 3 | 20 37 | 8 49 | 5 34 |
| M11 | 20 52 | 7 8 | 1 58 | 20 59 | 1 54 | 23 4 | 0 29 | 9 17 | 1 47 | 17 28 | 0 49 | 18 2 | 1 54 | 2 27 | 0 43 | 5 38 | 1 47 | 1 11 | 14 36 | 3 37 | 3 4 | 20 39 | 8 48 | 5 34 |
| T 12 | 20 40 | 12 35 | 2 54 | 20 30 | 1 51 | 23 6 | 0 27 | 9 27 | 1 47 | 17 24 | 0 49 | 18 3 | 1 54 | 2 27 | 0 43 | 5 38 | 1 48 | 1 11 | 14 35 | 3 37 | 3 5 | 20 42 | 8 47 | 5 33 |
| W13 | 20 28 | 17 30 | 3 43 | 19 58 | 1 47 | 23 8 | 0 24 | 9 37 | 1 47 | 17 20 | 0 49 | 18 4 | 1 55 | 2 27 | 0 43 | 5 38 | 1 48 | 1 12 | 14 35 | 3 37 | 3 6 | 20 44 | 8 46 | 5 33 |
| T 14 | 20 15 | 21 46 | 4 21 | 19 25 | 1 42 | 23 9 | 0 21 | 9 47 | 1 47 | 17 16 | 0 49 | 18 5 | 1 55 | 2 26 | 0 43 | 5 38 | 1 48 | 1 12 | 14 35 | 3 38 | 3 8 | 20 47 | 8 45 | 5 33 |
| F 15 | 20 2 | 25 10 | 4 49 | 18 50 | 1 36 | 23 9 | 0 18 | 9 57 | 1 47 | 17 12 | 0 49 | 18 6 | 1 55 | 2 26 | 0 43 | 5 38 | 1 48 | 1 12 | 14 34 | 3 39 | 3 9 | 20 49 | 8 44 | 5 33 |
| S 16 | 19 49 | 27 30 | 5 4 | 18 14 | 1 30 | 23 9 | 0 15 | 10 7 | 1 47 | 17 8 | 0 49 | 18 7 | 1 55 | 2 26 | 0 43 | 5 37 | 1 48 | 1 12 | 14 34 | 3 42 | 3 10 | 20 52 | 8 43 | 5 33 |
| S 17 | 19 35 | 28 34 | 5 6 | 17 37 | 1 23 | 23 8 | 0 13 | 10 17 | 1 47 | 17 3 | 0 49 | 18 7 | 1 55 | 2 26 | 0 43 | 5 37 | 1 48 | 1 13 | 14 34 | 3 45 | 3 11 | 20 54 | 8 42 | 5 33 |
| M18 | 19 20 | 28 13 | 4 53 | 16 58 | 1 16 | 23 6 | 0 10 | 10 26 | 1 47 | 16 59 | 0 49 | 18 8 | 1 55 | 2 25 | 0 43 | 5 37 | 1 48 | 1 13 | 14 33 | 3 49 | 3 13 | 20 57 | 8 41 | 5 33 |
| T 19 | 19 6 | 26 23 | 4 26 | 16 18 | 1 7 | 23 4 | 0 7 | 10 36 | 1 47 | 16 55 | 0 49 | 18 9 | 1 55 | 2 25 | 0 43 | 5 37 | 1 48 | 1 13 | 14 33 | 3 52 | 3 14 | 20 59 | 8 39 | 5 32 |
| W20 | 18 51 | 23 9 | 3 45 | 15 38 | 0 58 | 23 0 | 0 4 | 10 45 | 1 47 | 16 51 | 0 49 | 18 10 | 1 55 | 2 25 | 0 43 | 5 37 | 1 48 | 1 14 | 14 33 | 3 55 | 3 15 | 21 1 | 8 38 | 5 32 |
| T 21 | 18 36 | 18 41 | 2 51 | 14 56 | 0 48 | 22 57 | 0 2 | 10 54 | 1 48 | 16 46 | 0 49 | 18 11 | 1 56 | 2 24 | 0 43 | 5 37 | 1 48 | 1 14 | 14 32 | 3 58 | 3 16 | 21 4 | 8 37 | 5 32 |
| F 22 | 18 20 | 13 13 | 1 46 | 14 14 | 0 38 | 22 52 | 0s 1 | 11 4 | 1 48 | 16 42 | 0 49 | 18 11 | 1 56 | 2 24 | 0 43 | 5 37 | 1 48 | 1 14 | 14 32 | 3 59 | 3 18 | 21 6 | 8 36 | 5 32 |
| S 23 | 18 4 | 7 3 | 0 35 | 13 32 | 0 26 | 22 47 | 0 4 | 11 13 | 1 48 | 16 38 | 0 50 | 18 12 | 1 56 | 2 24 | 0 43 | 5 37 | 1 48 | 1 15 | 14 32 | 4 0 | 3 19 | 21 9 | 8 35 | 5 32 |
| S 24 | 17 48 | 0 30 | 0n40 | 12 49 | 0 14 | 22 41 | 0 7 | 11 22 | 1 48 | 16 33 | 0 50 | 18 13 | 1 56 | 2 23 | 0 43 | 5 36 | 1 48 | 1 15 | 14 31 | 4 0 | 3 20 | 21 11 | 8 34 | 5 32 |
| M25 | 17 31 | 6n 9 | 1 53 | 12 7 | 0 1 | 22 34 | 0 9 | 11 30 | 1 48 | 16 29 | 0 50 | 18 13 | 1 56 | 2 23 | 0 43 | 5 36 | 1 48 | 1 15 | 14 31 | 3 59 | 3 22 | 21 14 | 8 32 | 5 32 |
| T 26 | 17 14 | 12 33 | 3 0 | 11 25 | 0n13 | 22 27 | 0 12 | 11 39 | 1 48 | 16 25 | 0 50 | 18 14 | 1 56 | 2 22 | 0 43 | 5 36 | 1 48 | 1 16 | 14 31 | 3 59 | 3 23 | 21 16 | 8 31 | 5 32 |
| W27 | 16 57 | 18 22 | 3 56 | 10 45 | 0 27 | 22 19 | 0 14 | 11 48 | 1 48 | 16 20 | 0 50 | 18 15 | 1 56 | 2 22 | 0 43 | 5 36 | 1 48 | 1 16 | 14 30 | 3 58 | 3 24 | 21 18 | 8 30 | 5 31 |
| T 28 | 16 40 | 23 12 | 4 39 | 10 6 | 0 41 | 22 10 | 0 17 | 11 56 | 1 48 | 16 16 | 0 50 | 18 15 | 1 56 | 2 21 | 0 43 | 5 36 | 1 49 | 1 17 | 14 30 | 3 59 | 3 25 | 21 21 | 8 29 | 5 31 |
| F 29 | 16 22 | 26 41 | 5 4 | 9 29 | 0 57 | 22 1 | 0 20 | 12 5 | 1 48 | 16 12 | 0 50 | 18 16 | 1 57 | 2 21 | 0 43 | 5 35 | 1 49 | 1 17 | 14 30 | 3 59 | 3 27 | 21 23 | 8 28 | 5 31 |
| S 30 | 16 4 | 28 29 | 5 11 | 8 53 | 1 12 | 21 51 | 0 22 | 12 13 | 1 48 | 16 7 | 0 50 | 18 16 | 1 57 | 2 20 | 0 43 | 5 35 | 1 49 | 1 17 | 14 29 | 4 1 | 3 28 | 21 26 | 8 26 | 5 31 |
| S 31 | 15s46 | 28n24 | 4n59 | 8s21 | 1n28 | 21s40 | 0s25 | 12s21 | 1n48 | 16s 3 | 0s50 | 18s17 | 1n57 | 2s20 | 0n43 | 5s35 | 1n49 | 1n18 | 14s29 | 4s 3 | 3s29 | 21s28 | 8s25 | 5n31 |

Julian Day Number = 2134520.5, Delta T = 16m06s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'20, Lahiri = 11°45'20 Julian Calendar 1 Jan. 1132 == Greg. Calendar 8 Jan. 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## FEBRUARY 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 6 45 | 18♒10'57 | 20♋ 1 | 5♓42 | 26♉ 6 | 7♏49 | 19♒ 4 | 29♏45 | 7°R29 | 18°R25 | 10♉37 | 19°R45 | 21♓12 | 18♏17 | 23♒56 | M 1 |
| T 2 | 9 10 42 | 19°11'23 | 3♌53 | 6°12 | 27°20 | 8°13 | 19°18 | 29°48 | 7♎28 | 18♎24 | 10°38 | 19♓40 | 21° 9 | 18°24 | 24° 0 | T 2 |
| W 3 | 9 14 39 | 20°11'47 | 17°30 | 6°34 | 28°35 | 8°37 | 19°33 | 29°51 | 7°26 | 18°23 | 10°38 | 19°36 | 21° 6 | 18°31 | 24° 4 | W 3 |
| T 4 | 9 18 35 | 21°12'10 | 0♍50 | 6°45 | 29°49 | 9° 1 | 19°47 | 29°53 | 7°25 | 18°23 | 10°38 | 19°34 | 21° 2 | 18°37 | 24° 8 | T 4 |
| F 5 | 9 22 32 | 22°12'31 | 13°51 | 6°R46 | 1♒ 4 | 9°25 | 20° 2 | 29°56 | 7°23 | 18°22 | 10°39 | 19°D32 | 20°59 | 18°44 | 24°12 | F 5 |
| S 6 | 9 26 28 | 23°12'50 | 26°34 | 6°38 | 2°18 | 9°48 | 20°16 | 29°59 | 7°22 | 18°21 | 10°39 | 19°32 | 20°56 | 18°51 | 24°16 | S 6 |
| S 7 | 9 30 25 | 24°13'07 | 8♎59 | 6°20 | 3°33 | 10°11 | 20°30 | 0♐ 1 | 7°20 | 18°20 | 10°39 | 19°33 | 20°53 | 18°58 | 24°21 | S 7 |
| M 8 | 9 34 21 | 25°13'23 | 21°10 | 5°52 | 4°48 | 10°34 | 20°45 | 0° 4 | 7°19 | 18°20 | 10°40 | 19°35 | 20°50 | 19° 4 | 24°25 | M 8 |
| T 9 | 9 38 18 | 26°13'38 | 3♏10 | 5°17 | 6° 2 | 10°56 | 20°59 | 0° 6 | 7°17 | 18°19 | 10°40 | 19°37 | 20°47 | 19°11 | 24°29 | T 9 |
| W10 | 9 42 14 | 27°13'50 | 15° 3 | 4°33 | 7°17 | 11°18 | 21°14 | 0° 8 | 7°15 | 18°18 | 10°41 | 19°38 | 20°43 | 19°18 | 24°33 | W10 |
| T 11 | 9 46 11 | 28°14'02 | 26°55 | 3°44 | 8°31 | 11°40 | 21°28 | 0°10 | 7°13 | 18°17 | 10°41 | 19°R39 | 20°40 | 19°24 | 24°37 | T 11 |
| F 12 | 9 50 8 | 29°14'12 | 8♐49 | 2°49 | 9°46 | 12° 1 | 21°42 | 0°13 | 7°12 | 18°16 | 10°42 | 19°38 | 20°37 | 19°31 | 24°41 | F 12 |
| S 13 | 9 54 4 | 0♓14'20 | 20°52 | 1°50 | 11° 0 | 12°22 | 21°57 | 0°15 | 7°10 | 18°15 | 10°42 | 19°37 | 20°34 | 19°38 | 24°45 | S 13 |
| S 14 | 9 58 1 | 1°14'26 | 3♉ 6 | 0°49 | 12°15 | 12°43 | 22°11 | 0°16 | 7° 8 | 18°14 | 10°43 | 19°35 | 20°31 | 19°44 | 24°49 | S 14 |
| M15 | 10 1 57 | 2°14'31 | 15°36 | 29♒48 | 13°29 | 13° 3 | 22°25 | 0°18 | 7° 6 | 18°13 | 10°43 | 19°33 | 20°27 | 19°51 | 24°53 | M15 |
| T 16 | 10 5 54 | 3°14'34 | 28°25 | 28°47 | 14°44 | 13°23 | 22°40 | 0°20 | 7° 4 | 18°12 | 10°44 | 19°30 | 20°24 | 19°58 | 24°57 | T 16 |
| W17 | 10 9 50 | 4°14'36 | 11♒34 | 27°48 | 15°58 | 13°43 | 22°54 | 0°21 | 7° 2 | 18°11 | 10°45 | 19°28 | 20°21 | 20° 5 | 25° 1 | W17 |
| T 18 | 10 13 47 | 5°14'35 | 25° 2 | 26°52 | 17°13 | 14° 2 | 23° 8 | 0°23 | 7° 0 | 18°10 | 10°45 | 19°26 | 20°18 | 20°11 | 25° 5 | T 18 |
| F 19 | 10 17 43 | 6°14'33 | 8♓49 | 26° 0 | 18°27 | 14°21 | 23°23 | 0°24 | 6°58 | 18° 9 | 10°46 | 19°25 | 20°15 | 20°18 | 25° 9 | F 19 |
| S 20 | 10 21 40 | 7°14'28 | 22°51 | 25°13 | 19°41 | 14°39 | 23°37 | 0°25 | 6°56 | 18° 8 | 10°47 | 19°D25 | 20°12 | 20°25 | 25°13 | S 20 |
| S 21 | 10 25 37 | 8°14'21 | 7♈ 5 | 24°32 | 20°56 | 14°57 | 23°51 | 0°27 | 6°54 | 18° 7 | 10°47 | 19°25 | 20° 8 | 20°31 | 25°17 | S 21 |
| M22 | 10 29 33 | 9°14'13 | 21°25 | 23°56 | 22°10 | 15°15 | 24° 5 | 0°28 | 6°51 | 18° 5 | 10°48 | 19°26 | 20° 5 | 20°38 | 25°21 | M22 |
| T 23 | 10 33 30 | 10°14'02 | 5♉48 | 23°27 | 23°25 | 15°32 | 24°19 | 0°29 | 6°49 | 18° 4 | 10°49 | 19°27 | 20° 2 | 20°45 | 25°25 | T 23 |
| W24 | 10 37 26 | 11°13'49 | 20° 9 | 23° 4 | 24°39 | 15°49 | 24°33 | 0°29 | 6°47 | 18° 3 | 10°50 | 19°28 | 19°59 | 20°52 | 25°29 | W24 |
| T 25 | 10 41 23 | 12°13'33 | 4♊26 | 22°48 | 25°54 | 16° 5 | 24°48 | 0°30 | 6°45 | 18° 2 | 10°50 | 19°28 | 19°56 | 20°58 | 25°33 | T 25 |
| F 26 | 10 45 19 | 13°13'15 | 18°34 | 22°38 | 27° 8 | 16°21 | 25° 2 | 0°31 | 6°43 | 18° 1 | 10°51 | 19°R28 | 19°53 | 21° 5 | 25°37 | F 26 |
| S 27 | 10 49 16 | 14°12'55 | 2♋34 | 22°D34 | 28°22 | 16°36 | 25°16 | 0°31 | 6°40 | 17°59 | 10°52 | 19°28 | 19°49 | 21°12 | 25°41 | S 27 |
| S 28 | 10 53 12 | 15°12'33 | 16°22 | 22°37 | 29°37 | 16°51 | 25°30 | 0°32 | 6°38 | 17°58 | 10°53 | 19°27 | 19°46 | 21°18 | 25°45 | S 28 |
| M29 | 10 57 9 | 16♓12'08 | 29♋58 | 22♒45 | 0♓51 | 17♏ 5 | 25♒44 | 0♐32 | 6♎36 | 17♎57 | 10♉54 | 19♓27 | 19♓43 | 21♏25 | 25♒49 | M29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15s27 | 26n30 | 4n29 | 7s52 | 1n44 | 21s29 | 0s27 | 12s29 | 1n47 | 15s58 | 0s50 | 18s17 | 1n57 | 2s19 | 0n43 | 5s34 | 1n49 | 1n18 | 14s29 | 4s 5 | 3s30 | 21s30 | 8s24 | 5n31 |
| T 2 | 15 8 | 23 0 | 3 44 | 7 26 | 2 0 | 21 17 | 0 30 | 12 37 | 1 47 | 15 54 | 0 50 | 18 18 | 1 57 | 2 19 | 0 43 | 5 34 | 1 49 | 1 18 | 14 28 | 4 6 | 3 32 | 21 33 | 8 23 | 5 31 |
| W 3 | 14 49 | 18 18 | 2 46 | 7 3 | 2 15 | 21 4 | 0 32 | 12 45 | 1 47 | 15 49 | 0 50 | 18 18 | 1 57 | 2 18 | 0 43 | 5 34 | 1 49 | 1 19 | 14 28 | 4 8 | 3 33 | 21 35 | 8 21 | 5 31 |
| T 4 | 14 30 | 12 48 | 1 41 | 6 45 | 2 30 | 20 51 | 0 34 | 12 53 | 1 47 | 15 45 | 0 50 | 18 19 | 1 57 | 2 18 | 0 43 | 5 34 | 1 49 | 1 19 | 14 28 | 4 9 | 3 34 | 21 37 | 8 20 | 5 31 |
| F 5 | 14 10 | 6 52 | 0 31 | 6 32 | 2 44 | 20 37 | 0 37 | 13 0 | 1 47 | 15 40 | 0 50 | 18 19 | 1 58 | 2 17 | 0 43 | 5 33 | 1 49 | 1 20 | 14 27 | 4 10 | 3 35 | 21 40 | 8 19 | 5 31 |
| S 6 | 13 51 | 0 47 | 0s38 | 6 23 | 2 57 | 20 23 | 0 39 | 13 8 | 1 47 | 15 36 | 0 50 | 18 20 | 1 58 | 2 16 | 0 43 | 5 33 | 1 49 | 1 20 | 14 27 | 4 10 | 3 37 | 21 42 | 8 17 | 5 31 |
| S 7 | 13 31 | 5s11 | 1 45 | 6 18 | 3 9 | 20 7 | 0 41 | 13 15 | 1 47 | 15 31 | 0 50 | 18 20 | 1 58 | 2 16 | 0 43 | 5 33 | 1 49 | 1 21 | 14 27 | 4 9 | 3 38 | 21 44 | 8 16 | 5 31 |
| M 8 | 13 11 | 10 51 | 2 45 | 6 18 | 3 20 | 19 52 | 0 44 | 13 22 | 1 47 | 15 27 | 0 51 | 18 20 | 1 58 | 2 15 | 0 43 | 5 32 | 1 49 | 1 21 | 14 26 | 4 9 | 3 39 | 21 47 | 8 15 | 5 31 |
| T 9 | 12 50 | 16 2 | 3 37 | 6 23 | 3 29 | 19 36 | 0 46 | 13 29 | 1 47 | 15 22 | 0 51 | 18 21 | 1 58 | 2 14 | 0 43 | 5 32 | 1 49 | 1 21 | 14 26 | 4 8 | 3 40 | 21 49 | 8 14 | 5 31 |
| W10 | 12 30 | 20 34 | 4 20 | 6 32 | 3 36 | 19 19 | 0 48 | 13 36 | 1 46 | 15 18 | 0 51 | 18 21 | 1 58 | 2 14 | 0 43 | 5 31 | 1 49 | 1 22 | 14 26 | 4 7 | 3 42 | 21 51 | 8 12 | 5 31 |
| T 11 | 12 9 | 24 16 | 4 51 | 6 45 | 3 41 | 19 2 | 0 50 | 13 43 | 1 46 | 15 13 | 0 51 | 18 21 | 1 58 | 2 13 | 0 44 | 5 31 | 1 49 | 1 22 | 14 26 | 4 7 | 3 43 | 21 54 | 8 11 | 5 31 |
| F 12 | 11 48 | 26 58 | 5 10 | 7 2 | 3 45 | 18 44 | 0 52 | 13 50 | 1 46 | 15 8 | 0 51 | 18 22 | 1 59 | 2 12 | 0 44 | 5 31 | 1 49 | 1 23 | 14 25 | 4 7 | 3 44 | 21 56 | 8 10 | 5 31 |
| S 13 | 11 26 | 28 28 | 5 15 | 7 22 | 3 46 | 18 25 | 0 54 | 13 57 | 1 46 | 15 4 | 0 51 | 18 22 | 1 59 | 2 11 | 0 44 | 5 30 | 1 49 | 1 23 | 14 25 | 4 8 | 3 45 | 21 58 | 8 8 | 5 31 |
| S 14 | 11 5 | 28 37 | 5 6 | 7 44 | 3 44 | 18 6 | 0 56 | 14 3 | 1 46 | 14 59 | 0 51 | 18 22 | 1 59 | 2 11 | 0 44 | 5 30 | 1 49 | 1 24 | 14 25 | 4 9 | 3 47 | 22 1 | 8 7 | 5 31 |
| M15 | 10 44 | 27 19 | 4 43 | 8 9 | 3 41 | 17 47 | 0 58 | 14 9 | 1 45 | 14 55 | 0 51 | 18 22 | 1 59 | 2 10 | 0 44 | 5 29 | 1 50 | 1 24 | 14 24 | 4 10 | 3 48 | 22 3 | 8 6 | 5 31 |
| T 16 | 10 22 | 24 35 | 4 6 | 8 35 | 3 36 | 17 27 | 1 0 | 14 16 | 1 45 | 14 50 | 0 51 | 18 23 | 1 59 | 2 9 | 0 44 | 5 29 | 1 50 | 1 25 | 14 24 | 4 11 | 3 49 | 22 5 | 8 4 | 5 31 |
| W17 | 10 0 | 20 30 | 3 14 | 9 2 | 3 29 | 17 6 | 1 2 | 14 22 | 1 45 | 14 45 | 0 51 | 18 23 | 1 59 | 2 8 | 0 44 | 5 29 | 1 50 | 1 25 | 14 24 | 4 11 | 3 50 | 22 7 | 8 3 | 5 31 |
| T 18 | 9 38 | 15 17 | 2 11 | 9 29 | 3 20 | 16 45 | 1 3 | 14 28 | 1 45 | 14 41 | 0 51 | 18 23 | 1 59 | 2 7 | 0 44 | 5 28 | 1 50 | 1 26 | 14 23 | 4 12 | 3 52 | 22 10 | 8 2 | 5 31 |
| F 19 | 9 16 | 9 12 | 0 58 | 9 56 | 3 10 | 16 24 | 1 5 | 14 34 | 1 44 | 14 36 | 0 52 | 18 23 | 2 0 | 2 7 | 0 44 | 5 28 | 1 50 | 1 26 | 14 23 | 4 13 | 3 53 | 22 12 | 8 0 | 5 31 |
| S 20 | 8 54 | 2 33 | 0n19 | 10 23 | 2 58 | 16 2 | 1 7 | 14 39 | 1 44 | 14 32 | 0 52 | 18 23 | 2 0 | 2 6 | 0 44 | 5 27 | 1 50 | 1 27 | 14 23 | 4 13 | 3 54 | 22 14 | 7 59 | 5 31 |
| S 21 | 8 31 | 4n18 | 1 36 | 10 48 | 2 46 | 15 40 | 1 8 | 14 45 | 1 44 | 14 27 | 0 52 | 18 23 | 2 0 | 2 5 | 0 44 | 5 27 | 1 50 | 1 27 | 14 23 | 4 12 | 3 55 | 22 17 | 7 57 | 5 31 |
| M22 | 8 9 | 10 59 | 2 48 | 11 12 | 2 33 | 15 17 | 1 10 | 14 50 | 1 43 | 14 22 | 0 52 | 18 23 | 2 0 | 2 4 | 0 44 | 5 26 | 1 50 | 1 27 | 14 22 | 4 12 | 3 57 | 22 19 | 7 56 | 5 31 |
| T 23 | 7 46 | 17 7 | 3 50 | 11 35 | 2 19 | 14 54 | 1 11 | 14 56 | 1 43 | 14 18 | 0 52 | 18 23 | 2 0 | 2 3 | 0 44 | 5 26 | 1 50 | 1 28 | 14 22 | 4 12 | 3 58 | 22 21 | 7 55 | 5 31 |
| W24 | 7 23 | 22 18 | 4 36 | 11 56 | 2 5 | 14 30 | 1 13 | 15 1 | 1 43 | 14 13 | 0 52 | 18 23 | 2 0 | 2 2 | 0 44 | 5 25 | 1 50 | 1 28 | 14 22 | 4 11 | 3 59 | 22 23 | 7 53 | 5 31 |
| T 25 | 7 0 | 26 8 | 5 6 | 12 15 | 1 50 | 14 6 | 1 14 | 15 6 | 1 42 | 14 8 | 0 52 | 18 23 | 2 1 | 2 1 | 0 44 | 5 25 | 1 50 | 1 29 | 14 21 | 4 11 | 4 0 | 22 26 | 7 52 | 5 31 |
| F 26 | 6 37 | 28 19 | 5 17 | 12 32 | 1 36 | 13 42 | 1 15 | 15 11 | 1 42 | 14 4 | 0 52 | 18 23 | 2 1 | 2 0 | 0 44 | 5 24 | 1 50 | 1 29 | 14 21 | 4 11 | 4 2 | 22 28 | 7 51 | 5 31 |
| S 27 | 6 14 | 28 40 | 5 9 | 12 47 | 1 21 | 13 17 | 1 16 | 15 16 | 1 41 | 13 59 | 0 52 | 18 23 | 2 1 | 1 59 | 0 44 | 5 24 | 1 50 | 1 30 | 14 21 | 4 11 | 4 3 | 22 30 | 7 49 | 5 31 |
| S 28 | 5 51 | 27 13 | 4 43 | 12 59 | 1 7 | 12 52 | 1 18 | 15 20 | 1 41 | 13 54 | 0 52 | 18 23 | 2 1 | 1 58 | 0 44 | 5 23 | 1 50 | 1 30 | 14 21 | 4 12 | 4 4 | 22 32 | 7 48 | 5 31 |
| M29 | 5s28 | 24n11 | 4n 1 | 13s10 | 0n53 | 12s27 | 1s19 | 15s25 | 1n40 | 13s50 | 0s53 | 18s23 | 2n 1 | 1s58 | 0n44 | 5s23 | 1n50 | 1n31 | 14s20 | 4s12 | 4s 5 | 22s34 | 7s47 | 5n31 |

Julian Day Number = 2134551.5, Delta T = 16m06s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'24, Lahiri = 11°45'25 Julian Calendar 1 Feb. 1132 == Greg. Calendar 8 Feb. 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## MARCH 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 1 6 | 17♓11'41 | 13♌22 | 22♒58 | 2♓ 6 | 17♏19 | 25♒58 | 0♐33 | 6°R33 | 17°R55 | 10♉54 | 19°R27 | 19♓40 | 21♏32 | 25♒53 | T 1 |
| W 2 | 11 5 2 | 18°11'11 | 26°32 | 23°17 | 3°20 | 17°32 | 26°11 | 0°33 | 6♎31 | 17♎54 | 10°55 | 19♓26 | 19°37 | 21°38 | 25°57 | W 2 |
| T 3 | 11 8 59 | 19°10'40 | 9♍29 | 23°41 | 4°34 | 17°45 | 26°25 | 0°R33 | 6°28 | 17°53 | 10°56 | 19°26 | 19°33 | 21°45 | 26° 0 | T 3 |
| F 4 | 11 12 55 | 20°10'06 | 22°12 | 24°10 | 5°49 | 17°58 | 26°39 | 0°33 | 6°26 | 17°51 | 10°57 | 19°26 | 19°30 | 21°52 | 26° 4 | F 4 |
| S 5 | 11 16 52 | 21° 9'30 | 4♎42 | 24°43 | 7° 3 | 18° 9 | 26°53 | 0°33 | 6°24 | 17°50 | 10°58 | 19°26 | 19°27 | 21°59 | 26° 8 | S 5 |
| S 6 | 11 20 48 | 22° 8'52 | 17° 0 | 25°20 | 8°17 | 18°21 | 27° 7 | 0°32 | 6°21 | 17°48 | 10°59 | 19°26 | 19°24 | 22° 5 | 26°12 | S 6 |
| M 7 | 11 24 45 | 23° 8'12 | 29° 7 | 26° 1 | 9°32 | 18°31 | 27°20 | 0°32 | 6°19 | 17°47 | 11° 0 | 19°26 | 19°21 | 22°12 | 26°16 | M 7 |
| T 8 | 11 28 41 | 24° 7'30 | 11♏ 5 | 26°46 | 10°46 | 18°41 | 27°34 | 0°32 | 6°16 | 17°45 | 11° 1 | 19°25 | 19°18 | 22°19 | 26°19 | T 8 |
| W 9 | 11 32 38 | 25° 6'47 | 22°59 | 27°34 | 12° 0 | 18°51 | 27°48 | 0°31 | 6°14 | 17°44 | 11° 2 | 19°25 | 19°14 | 22°25 | 26°23 | W 9 |
| T 10 | 11 36 34 | 26° 6'01 | 4♐51 | 28°25 | 13°14 | 19° 0 | 28° 1 | 0°30 | 6°11 | 17°42 | 11° 3 | 19°24 | 19°11 | 22°32 | 26°27 | T 10 |
| F 11 | 11 40 31 | 27° 5'14 | 16°45 | 29°20 | 14°29 | 19° 8 | 28°15 | 0°30 | 6° 9 | 17°41 | 11° 4 | 19°23 | 19° 8 | 22°39 | 26°30 | F 11 |
| S 12 | 11 44 28 | 28° 4'25 | 28°46 | 0♓18 | 15°43 | 19°16 | 28°28 | 0°29 | 6° 6 | 17°39 | 11° 5 | 19°D23 | 19° 5 | 22°46 | 26°34 | S 12 |
| S 13 | 11 48 24 | 29° 3'34 | 10♑59 | 1°18 | 16°57 | 19°23 | 28°42 | 0°28 | 6° 3 | 17°38 | 11° 6 | 19°23 | 19° 2 | 22°52 | 26°38 | S 13 |
| M14 | 11 52 21 | 0♈ 2'41 | 23°28 | 2°21 | 18°12 | 19°29 | 28°55 | 0°27 | 6° 1 | 17°36 | 11° 7 | 19°24 | 18°59 | 22°59 | 26°41 | M14 |
| T 15 | 11 56 17 | 1° 1'46 | 6♒16 | 3°27 | 19°26 | 19°35 | 29° 8 | 0°26 | 5°58 | 17°35 | 11° 8 | 19°25 | 18°55 | 23° 6 | 26°45 | T 15 |
| W16 | 12 0 14 | 2° 0'50 | 19°28 | 4°35 | 20°40 | 19°40 | 29°22 | 0°25 | 5°56 | 17°33 | 11° 9 | 19°26 | 18°52 | 23°12 | 26°48 | W16 |
| T 17 | 12 4 10 | 2°59'52 | 3♓ 3 | 5°45 | 21°54 | 19°44 | 29°35 | 0°23 | 5°53 | 17°32 | 11°10 | 19°27 | 18°49 | 23°19 | 26°52 | T 17 |
| F 18 | 12 8 7 | 3°58'51 | 17° 3 | 6°58 | 23° 9 | 19°48 | 29°48 | 0°22 | 5°51 | 17°30 | 11°11 | 19°R28 | 18°46 | 23°26 | 26°55 | F 18 |
| S 19 | 12 12 3 | 4°57'49 | 1♈24 | 8°13 | 24°23 | 19°51 | 0♓ 1 | 0°20 | 5°48 | 17°29 | 11°12 | 19°27 | 18°43 | 23°33 | 26°59 | S 19 |
| S 20 | 12 16 0 | 5°56'44 | 16° 3 | 9°29 | 25°37 | 19°53 | 0°14 | 0°19 | 5°45 | 17°27 | 11°13 | 19°26 | 18°39 | 23°39 | 27° 2 | S 20 |
| M21 | 12 19 57 | 6°55'38 | 0♉51 | 10°48 | 26°51 | 19°55 | 0°27 | 0°17 | 5°43 | 17°25 | 11°15 | 19°24 | 18°36 | 23°46 | 27° 5 | M21 |
| T 22 | 12 23 53 | 7°54'29 | 15°41 | 12° 9 | 28° 5 | 19°55 | 0°40 | 0°15 | 5°40 | 17°24 | 11°16 | 19°22 | 18°33 | 23°53 | 27° 9 | T 22 |
| W23 | 12 27 50 | 8°53'18 | 0♊26 | 13°32 | 29°20 | 19°R56 | 0°53 | 0°13 | 5°38 | 17°22 | 11°17 | 19°20 | 18°30 | 23°59 | 27°12 | W23 |
| T 24 | 12 31 46 | 9°52'05 | 15° 0 | 14°56 | 0♈34 | 19°55 | 1° 6 | 0°11 | 5°35 | 17°21 | 11°18 | 19°18 | 18°27 | 24° 6 | 27°15 | T 24 |
| F 25 | 12 35 43 | 10°50'50 | 29°17 | 16°22 | 1°48 | 19°54 | 1°19 | 0° 9 | 5°33 | 17°19 | 11°19 | 19°16 | 18°24 | 24°13 | 27°18 | F 25 |
| S 26 | 12 39 39 | 11°49'32 | 13♋15 | 17°50 | 3° 2 | 19°51 | 1°31 | 0° 7 | 5°30 | 17°17 | 11°20 | 19°D16 | 18°20 | 24°19 | 27°21 | S 26 |
| S 27 | 12 43 36 | 12°48'12 | 26°55 | 19°20 | 4°16 | 19°48 | 1°44 | 0° 5 | 5°27 | 17°16 | 11°22 | 19°16 | 18°17 | 24°26 | 27°25 | S 27 |
| M28 | 12 47 32 | 13°46'50 | 10♌15 | 20°51 | 5°30 | 19°45 | 1°56 | 0° 3 | 5°25 | 17°14 | 11°23 | 19°18 | 18°14 | 24°33 | 27°28 | M28 |
| T 29 | 12 51 29 | 14°45'26 | 23°19 | 22°24 | 6°44 | 19°40 | 2° 9 | 0° 0 | 5°22 | 17°12 | 11°24 | 19°19 | 18°11 | 24°40 | 27°31 | T 29 |
| W30 | 12 55 26 | 15°43'59 | 6♍ 8 | 23°59 | 7°58 | 19°35 | 2°21 | 29♏58 | 5°20 | 17°11 | 11°25 | 19°21 | 18° 8 | 24°46 | 27°34 | W30 |
| T 31 | 12 59 22 | 16♈42'30 | 18♍44 | 25♓36 | 9♈12 | 19♏29 | 2♓34 | 29♏55 | 5♎17 | 17♎ 9 | 11♉27 | 19°R21 | 18♓ 4 | 24♏53 | 27♒37 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s 5 | 19n52 | 3n 7 | 13s19 | 0n39 | 12s 1 | 1s20 | 15s29 | 1n40 | 13s45 | 0s53 | 18s23 | 2n 1 | 1s57 | 0n44 | 5s22 | 1n50 | 1n31 | 14s20 | 4s12 | 4s 7 | 22s37 | 7s45 | 5n31 |
| W 2 | 4 42 | 14 40 | 2 4 | 13 25 | 0 25 | 11 35 | 1 21 | 15 34 | 1 39 | 13 40 | 0 53 | 18 23 | 2 1 | 1 56 | 0 44 | 5 21 | 1 50 | 1 32 | 14 20 | 4 12 | 4 8 | 22 39 | 7 44 | 5 31 |
| T 3 | 4 18 | 8 54 | 0 55 | 13 30 | 0 12 | 11 9 | 1 22 | 15 38 | 1 38 | 13 36 | 0 53 | 18 23 | 2 2 | 1 55 | 0 44 | 5 21 | 1 50 | 1 32 | 14 19 | 4 12 | 4 9 | 22 41 | 7 43 | 5 31 |
| F 4 | 3 55 | 2 52 | 0s15 | 13 32 | 0s 1 | 10 42 | 1 23 | 15 42 | 1 38 | 13 31 | 0 53 | 18 23 | 2 2 | 1 54 | 0 44 | 5 20 | 1 50 | 1 33 | 14 19 | 4 12 | 4 10 | 22 43 | 7 41 | 5 32 |
| S 5 | 3 31 | 3s 9 | 1 24 | 13 33 | 0 13 | 10 15 | 1 23 | 15 46 | 1 37 | 13 27 | 0 53 | 18 23 | 2 2 | 1 53 | 0 44 | 5 20 | 1 50 | 1 33 | 14 19 | 4 12 | 4 12 | 22 45 | 7 40 | 5 32 |
| S 6 | 3 8 | 8 58 | 2 27 | 13 32 | 0 25 | 9 48 | 1 24 | 15 50 | 1 37 | 13 22 | 0 53 | 18 22 | 2 2 | 1 52 | 0 44 | 5 19 | 1 50 | 1 34 | 14 19 | 4 12 | 4 13 | 22 48 | 7 38 | 5 32 |
| M 7 | 2 44 | 14 22 | 3 23 | 13 28 | 0 36 | 9 20 | 1 25 | 15 53 | 1 36 | 13 17 | 0 53 | 18 22 | 2 2 | 1 51 | 0 44 | 5 19 | 1 50 | 1 35 | 14 18 | 4 12 | 4 14 | 22 50 | 7 37 | 5 32 |
| T 8 | 2 21 | 19 10 | 4 9 | 13 23 | 0 47 | 8 53 | 1 25 | 15 57 | 1 35 | 13 13 | 0 54 | 18 22 | 2 2 | 1 50 | 0 44 | 5 18 | 1 50 | 1 35 | 14 18 | 4 12 | 4 15 | 22 52 | 7 36 | 5 32 |
| W 9 | 1 57 | 23 11 | 4 44 | 13 16 | 0 57 | 8 25 | 1 26 | 16 0 | 1 34 | 13 8 | 0 54 | 18 22 | 2 2 | 1 49 | 0 44 | 5 17 | 1 50 | 1 36 | 14 18 | 4 13 | 4 17 | 22 54 | 7 34 | 5 32 |
| T 10 | 1 33 | 26 14 | 5 7 | 13 7 | 1 7 | 7 57 | 1 26 | 16 3 | 1 33 | 13 4 | 0 54 | 18 21 | 2 3 | 1 48 | 0 44 | 5 17 | 1 50 | 1 36 | 14 18 | 4 13 | 4 18 | 22 56 | 7 33 | 5 32 |
| F 11 | 1 10 | 28 8 | 5 16 | 12 57 | 1 16 | 7 28 | 1 27 | 16 6 | 1 33 | 12 59 | 0 54 | 18 21 | 2 3 | 1 47 | 0 44 | 5 16 | 1 51 | 1 37 | 14 18 | 4 13 | 4 19 | 22 58 | 7 32 | 5 32 |
| S 12 | 0 46 | 28 45 | 5 12 | 12 44 | 1 25 | 7 0 | 1 27 | 16 9 | 1 32 | 12 54 | 0 54 | 18 21 | 2 3 | 1 46 | 0 44 | 5 16 | 1 51 | 1 37 | 14 17 | 4 13 | 4 20 | 23 0 | 7 30 | 5 32 |
| S 13 | 0 23 | 27 59 | 4 55 | 12 30 | 1 33 | 6 31 | 1 27 | 16 12 | 1 31 | 12 50 | 0 54 | 18 20 | 2 3 | 1 45 | 0 44 | 5 15 | 1 51 | 1 38 | 14 17 | 4 13 | 4 22 | 23 3 | 7 29 | 5 33 |
| M14 | 0n 1 | 25 49 | 4 23 | 12 15 | 1 40 | 6 2 | 1 27 | 16 15 | 1 30 | 12 45 | 0 54 | 18 20 | 2 3 | 1 44 | 0 44 | 5 14 | 1 51 | 1 38 | 14 17 | 4 13 | 4 23 | 23 5 | 7 28 | 5 33 |
| T 15 | 0 25 | 22 18 | 3 37 | 11 58 | 1 48 | 5 33 | 1 28 | 16 17 | 1 29 | 12 41 | 0 55 | 18 20 | 2 3 | 1 43 | 0 44 | 5 14 | 1 51 | 1 39 | 14 17 | 4 13 | 4 24 | 23 7 | 7 26 | 5 33 |
| W16 | 0 48 | 17 34 | 2 38 | 11 39 | 1 54 | 5 3 | 1 28 | 16 20 | 1 28 | 12 36 | 0 55 | 18 19 | 2 3 | 1 42 | 0 44 | 5 13 | 1 51 | 1 39 | 14 16 | 4 12 | 4 25 | 23 9 | 7 25 | 5 33 |
| T 17 | 1 12 | 11 49 | 1 30 | 11 18 | 2 0 | 4 34 | 1 28 | 16 22 | 1 27 | 12 32 | 0 55 | 18 19 | 2 4 | 1 41 | 0 44 | 5 13 | 1 51 | 1 40 | 14 16 | 4 12 | 4 27 | 23 11 | 7 24 | 5 33 |
| F 18 | 1 35 | 5 20 | 0 13 | 10 56 | 2 6 | 4 4 | 1 28 | 16 24 | 1 26 | 12 27 | 0 55 | 18 19 | 2 4 | 1 40 | 0 44 | 5 12 | 1 51 | 1 40 | 14 16 | 4 12 | 4 28 | 23 13 | 7 23 | 5 33 |
| S 19 | 1 59 | 1n34 | 1n 6 | 10 33 | 2 11 | 3 35 | 1 27 | 16 26 | 1 24 | 12 23 | 0 55 | 18 18 | 2 4 | 1 39 | 0 44 | 5 11 | 1 51 | 1 41 | 14 16 | 4 12 | 4 29 | 23 15 | 7 21 | 5 33 |
| S 20 | 2 22 | 8 31 | 2 22 | 10 8 | 2 15 | 3 5 | 1 27 | 16 28 | 1 23 | 12 18 | 0 55 | 18 18 | 2 4 | 1 38 | 0 44 | 5 11 | 1 51 | 1 41 | 14 16 | 4 12 | 4 30 | 23 17 | 7 20 | 5 34 |
| M21 | 2 46 | 15 5 | 3 29 | 9 42 | 2 19 | 2 35 | 1 27 | 16 29 | 1 22 | 12 14 | 0 55 | 18 17 | 2 4 | 1 37 | 0 44 | 5 10 | 1 51 | 1 42 | 14 15 | 4 13 | 4 32 | 23 19 | 7 19 | 5 34 |
| T 22 | 3 9 | 20 48 | 4 22 | 9 14 | 2 23 | 2 5 | 1 27 | 16 31 | 1 21 | 12 9 | 0 56 | 18 17 | 2 4 | 1 36 | 0 44 | 5 9 | 1 51 | 1 42 | 14 15 | 4 14 | 4 33 | 23 21 | 7 17 | 5 34 |
| W23 | 3 32 | 25 12 | 4 58 | 8 45 | 2 26 | 1 35 | 1 26 | 16 32 | 1 19 | 12 5 | 0 56 | 18 16 | 2 4 | 1 35 | 0 44 | 5 9 | 1 51 | 1 43 | 14 15 | 4 15 | 4 34 | 23 24 | 7 16 | 5 34 |
| T 24 | 3 56 | 27 54 | 5 14 | 8 14 | 2 28 | 1 5 | 1 26 | 16 33 | 1 18 | 12 0 | 0 56 | 18 16 | 2 4 | 1 33 | 0 44 | 5 8 | 1 51 | 1 43 | 14 15 | 4 15 | 4 35 | 23 26 | 7 15 | 5 34 |
| F 25 | 4 19 | 28 43 | 5 10 | 7 42 | 2 30 | 0 35 | 1 25 | 16 34 | 1 17 | 11 56 | 0 56 | 18 15 | 2 5 | 1 32 | 0 44 | 5 8 | 1 51 | 1 44 | 14 15 | 4 16 | 4 37 | 23 28 | 7 14 | 5 34 |
| S 26 | 4 42 | 27 40 | 4 48 | 7 9 | 2 32 | 0 5 | 1 25 | 16 35 | 1 15 | 11 52 | 0 56 | 18 15 | 2 5 | 1 31 | 0 44 | 5 7 | 1 51 | 1 44 | 14 14 | 4 16 | 4 38 | 23 30 | 7 12 | 5 35 |
| S 27 | 5 5 | 24 57 | 4 10 | 6 35 | 2 32 | 0n25 | 1 24 | 16 36 | 1 13 | 11 47 | 0 56 | 18 14 | 2 5 | 1 30 | 0 44 | 5 6 | 1 51 | 1 45 | 14 14 | 4 16 | 4 39 | 23 32 | 7 11 | 5 35 |
| M28 | 5 28 | 20 56 | 3 19 | 5 59 | 2 33 | 0 55 | 1 24 | 16 36 | 1 12 | 11 43 | 0 57 | 18 13 | 2 5 | 1 29 | 0 44 | 5 6 | 1 51 | 1 45 | 14 14 | 4 15 | 4 40 | 23 34 | 7 10 | 5 35 |
| T 29 | 5 51 | 15 59 | 2 18 | 5 22 | 2 33 | 1 25 | 1 23 | 16 37 | 1 10 | 11 38 | 0 57 | 18 13 | 2 5 | 1 28 | 0 44 | 5 5 | 1 51 | 1 46 | 14 14 | 4 15 | 4 42 | 23 36 | 7 9 | 5 35 |
| W30 | 6 13 | 10 25 | 1 12 | 4 43 | 2 32 | 1 55 | 1 22 | 16 37 | 1 9 | 11 34 | 0 57 | 18 12 | 2 5 | 1 27 | 0 44 | 5 4 | 1 51 | 1 46 | 14 14 | 4 14 | 4 43 | 23 38 | 7 7 | 5 35 |
| T 31 | 6n36 | 4n32 | 0n 3 | 4s 4 | 2s31 | 2n25 | 1s21 | 16s37 | 1n 7 | 11s30 | 0s57 | 18s12 | 2n 5 | 1s26 | 0n44 | 5s 4 | 1n51 | 1n47 | 14s14 | 4s14 | 4s44 | 23s40 | 7s 6 | 5n36 |

Julian Day Number = 2134580.5, Delta T = 16m06s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'28, Lahiri = 11°45'29 Julian Calendar 1 March 1132 == Greg. Calendar 8 March 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## APRIL 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 3 19 | 17♈40'58 | 1♎ 8 | 27♓14 | 10♈27 | 19°R23 | 2♓46 | 29°R53 | 5°R15 | 17°R 7 | 11♉28 | 19°R21 | 18♓ 1 | 25♏ 0 | 27♒40 | F 1 |
| S 2 | 13 7 15 | 18°39'25 | 13°23 | 28°54 | 11°41 | 19♏15 | 2°58 | 29♏50 | 5♎12 | 17♎ 6 | 11°29 | 19♓19 | 17°58 | 25° 6 | 27°43 | S 2 |
| S 3 | 13 11 12 | 19°37'50 | 25°30 | 0♈35 | 12°55 | 19° 7 | 3°10 | 29°47 | 5°10 | 17° 4 | 11°30 | 19°15 | 17°55 | 25°13 | 27°45 | S 3 |
| M 4 | 13 15 8 | 20°36'13 | 7♏31 | 2°19 | 14° 9 | 18°58 | 3°22 | 29°44 | 5° 7 | 17° 3 | 11°32 | 19°10 | 17°52 | 25°20 | 27°48 | M 4 |
| T 5 | 13 19 5 | 21°34'35 | 19°26 | 4° 4 | 15°23 | 18°48 | 3°34 | 29°41 | 5° 5 | 17° 1 | 11°33 | 19° 5 | 17°49 | 25°27 | 27°51 | T 5 |
| W 6 | 13 23 1 | 22°32'54 | 1♐19 | 5°50 | 16°37 | 18°38 | 3°46 | 29°38 | 5° 2 | 16°59 | 11°34 | 18°59 | 17°45 | 25°33 | 27°54 | W 6 |
| T 7 | 13 26 58 | 23°31'12 | 13°11 | 7°39 | 17°51 | 18°27 | 3°57 | 29°35 | 5° 0 | 16°58 | 11°35 | 18°53 | 17°42 | 25°40 | 27°57 | T 7 |
| F 8 | 13 30 55 | 24°29'28 | 25° 5 | 9°29 | 19° 5 | 18°15 | 4° 9 | 29°32 | 4°58 | 16°56 | 11°37 | 18°48 | 17°39 | 25°47 | 27°59 | F 8 |
| S 9 | 13 34 51 | 25°27'43 | 7♑ 6 | 11°21 | 20°19 | 18° 2 | 4°21 | 29°29 | 4°55 | 16°54 | 11°38 | 18°45 | 17°36 | 25°53 | 28° 2 | S 9 |
| S 10 | 13 38 48 | 26°25'56 | 19°16 | 13°14 | 21°33 | 17°49 | 4°32 | 29°26 | 4°53 | 16°53 | 11°39 | 18°43 | 17°33 | 26° 0 | 28° 4 | S 10 |
| M11 | 13 42 44 | 27°24'08 | 1♒41 | 15°10 | 22°47 | 17°35 | 4°44 | 29°22 | 4°51 | 16°51 | 11°41 | 18°D43 | 17°30 | 26° 7 | 28° 7 | M11 |
| T 12 | 13 46 41 | 28°22'18 | 14°25 | 17° 7 | 24° 1 | 17°20 | 4°55 | 29°19 | 4°48 | 16°50 | 11°42 | 18°44 | 17°26 | 26°14 | 28° 9 | T 12 |
| W13 | 13 50 37 | 29°20'26 | 27°32 | 19° 5 | 25°14 | 17° 5 | 5° 6 | 29°15 | 4°46 | 16°48 | 11°43 | 18°45 | 17°23 | 26°20 | 28°12 | W13 |
| T 14 | 13 54 34 | 0♉18'33 | 11♓ 6 | 21° 6 | 26°28 | 16°49 | 5°17 | 29°12 | 4°44 | 16°46 | 11°45 | 18°46 | 17°20 | 26°27 | 28°14 | T 14 |
| F 15 | 13 58 30 | 1°16'39 | 25° 6 | 23° 8 | 27°42 | 16°33 | 5°28 | 29° 8 | 4°42 | 16°45 | 11°46 | 18°R47 | 17°17 | 26°34 | 28°16 | F 15 |
| S 16 | 14 2 27 | 2°14'43 | 9♈34 | 25°11 | 28°56 | 16°15 | 5°39 | 29° 5 | 4°39 | 16°43 | 11°47 | 18°45 | 17°14 | 26°40 | 28°19 | S 16 |
| S 17 | 14 6 24 | 3°12'45 | 24°24 | 27°16 | 0♉10 | 15°58 | 5°50 | 29° 1 | 4°37 | 16°42 | 11°49 | 18°41 | 17°10 | 26°47 | 28°21 | S 17 |
| M18 | 14 10 20 | 4°10'46 | 9♉30 | 29°22 | 1°24 | 15°39 | 6° 1 | 28°57 | 4°35 | 16°40 | 11°50 | 18°36 | 17° 7 | 26°54 | 28°23 | M18 |
| T 19 | 14 14 17 | 5° 8'45 | 24°41 | 1♉30 | 2°38 | 15°21 | 6°11 | 28°53 | 4°33 | 16°39 | 11°51 | 18°29 | 17° 4 | 27° 1 | 28°25 | T 19 |
| W20 | 14 18 13 | 6° 6'43 | 9♊48 | 3°38 | 3°52 | 15° 2 | 6°22 | 28°49 | 4°31 | 16°37 | 11°53 | 18°22 | 17° 1 | 27° 7 | 28°27 | W20 |
| T 21 | 14 22 10 | 7° 4'39 | 24°41 | 5°48 | 5° 6 | 14°42 | 6°32 | 28°45 | 4°29 | 16°36 | 11°54 | 18°16 | 16°58 | 27°14 | 28°29 | T 21 |
| F 22 | 14 26 6 | 8° 2'33 | 9♋13 | 7°58 | 6°20 | 14°22 | 6°43 | 28°41 | 4°27 | 16°34 | 11°55 | 18°11 | 16°55 | 27°21 | 28°31 | F 22 |
| S 23 | 14 30 3 | 9° 0'25 | 23°20 | 10° 9 | 7°34 | 14° 2 | 6°53 | 28°37 | 4°25 | 16°33 | 11°57 | 18° 8 | 16°51 | 27°27 | 28°33 | S 23 |
| S 24 | 14 33 59 | 9°58'16 | 7♌ 1 | 12°20 | 8°47 | 13°42 | 7° 3 | 28°33 | 4°23 | 16°31 | 11°58 | 18°D 6 | 16°48 | 27°34 | 28°35 | S 24 |
| M25 | 14 37 56 | 10°56'04 | 20°18 | 14°31 | 10° 1 | 13°21 | 7°13 | 28°29 | 4°21 | 16°30 | 12° 0 | 18° 7 | 16°45 | 27°41 | 28°37 | M25 |
| T 26 | 14 41 53 | 11°53'51 | 3♍12 | 16°41 | 11°15 | 13° 0 | 7°23 | 28°25 | 4°19 | 16°28 | 12° 1 | 18° 8 | 16°42 | 27°48 | 28°39 | T 26 |
| W27 | 14 45 49 | 12°51'36 | 15°49 | 18°51 | 12°29 | 12°39 | 7°32 | 28°21 | 4°17 | 16°27 | 12° 2 | 18°R 8 | 16°39 | 27°54 | 28°40 | W27 |
| T 28 | 14 49 46 | 13°49'19 | 28°11 | 21° 0 | 13°43 | 12°18 | 7°42 | 28°17 | 4°15 | 16°25 | 12° 4 | 18° 8 | 16°36 | 28° 1 | 28°42 | T 28 |
| F 29 | 14 53 42 | 14°47'01 | 10♎22 | 23° 8 | 14°56 | 11°57 | 7°52 | 28°13 | 4°14 | 16°24 | 12° 5 | 18° 5 | 16°32 | 28° 8 | 28°44 | F 29 |
| S 30 | 14 57 39 | 15♉44'41 | 22♎26 | 25♉14 | 16♉10 | 11♏35 | 8♓ 1 | 28♏ 8 | 4♎12 | 16♎22 | 12♉ 6 | 18♓ 1 | 16♓29 | 28♏14 | 28♒45 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n58 | 1s26 | 1s 4 | 3s23 | 2s29 | 2n56 | 1s20 | 16s37 | 1n 5 | 11s26 | 0s57 | 18s11 | 2n 5 | 1s25 | 0n44 | 5s 3 | 1n51 | 1n47 | 14s14 | 4s14 | 4s45 | 23s42 | 7s 5 | 5n36 |
| S 2 | 7 21 | 7 16 | 2 8 | 2 41 | 2 26 | 3 26 | 1 19 | 16 37 | 1 3 | 11 21 | 0 57 | 18 10 | 2 5 | 1 25 | 0 44 | 5 2 | 1 51 | 1 48 | 14 13 | 4 15 | 4 47 | 23 44 | 7 4 | 5 36 |
| S 3 | 7 43 | 12 46 | 3 5 | 1 58 | 2 24 | 3 55 | 1 18 | 16 36 | 1 1 | 11 17 | 0 58 | 18 10 | 2 6 | 1 24 | 0 44 | 5 2 | 1 51 | 1 48 | 14 13 | 4 16 | 4 48 | 23 46 | 7 3 | 5 36 |
| M 4 | 8 5 | 17 45 | 3 53 | 1 13 | 2 20 | 4 25 | 1 17 | 16 36 | 0 59 | 11 13 | 0 58 | 18 9 | 2 6 | 1 23 | 0 44 | 5 1 | 1 51 | 1 49 | 14 13 | 4 18 | 4 49 | 23 48 | 7 2 | 5 37 |
| T 5 | 8 27 | 22 1 | 4 31 | 0 28 | 2 16 | 4 55 | 1 16 | 16 35 | 0 57 | 11 9 | 0 58 | 18 8 | 2 6 | 1 22 | 0 44 | 5 1 | 1 51 | 1 49 | 14 13 | 4 21 | 4 50 | 23 50 | 7 0 | 5 37 |
| W 6 | 8 49 | 25 21 | 4 56 | 0n19 | 2 12 | 5 25 | 1 15 | 16 34 | 0 55 | 11 5 | 0 58 | 18 7 | 2 6 | 1 21 | 0 44 | 5 0 | 1 51 | 1 50 | 14 13 | 4 23 | 4 52 | 23 52 | 6 59 | 5 37 |
| T 7 | 9 11 | 27 36 | 5 9 | 1 6 | 2 7 | 5 54 | 1 13 | 16 33 | 0 53 | 11 1 | 0 58 | 18 7 | 2 6 | 1 20 | 0 44 | 4 59 | 1 51 | 1 50 | 14 13 | 4 25 | 4 53 | 23 54 | 6 58 | 5 37 |
| F 8 | 9 32 | 28 37 | 5 9 | 1 55 | 2 2 | 6 24 | 1 12 | 16 32 | 0 51 | 10 56 | 0 58 | 18 6 | 2 6 | 1 19 | 0 44 | 4 59 | 1 51 | 1 51 | 14 13 | 4 27 | 4 54 | 23 56 | 6 57 | 5 37 |
| S 9 | 9 54 | 28 17 | 4 55 | 2 44 | 1 56 | 6 53 | 1 11 | 16 31 | 0 49 | 10 52 | 0 59 | 18 5 | 2 6 | 1 18 | 0 44 | 4 58 | 1 51 | 1 51 | 14 12 | 4 28 | 4 55 | 23 58 | 6 56 | 5 38 |
| S 10 | 10 15 | 26 35 | 4 28 | 3 34 | 1 49 | 7 22 | 1 9 | 16 29 | 0 46 | 10 48 | 0 59 | 18 4 | 2 6 | 1 17 | 0 44 | 4 57 | 1 51 | 1 52 | 14 12 | 4 29 | 4 57 | 24 0 | 6 55 | 5 38 |
| M11 | 10 36 | 23 35 | 3 48 | 4 26 | 1 42 | 7 51 | 1 8 | 16 27 | 0 44 | 10 44 | 0 59 | 18 4 | 2 6 | 1 16 | 0 44 | 4 57 | 1 51 | 1 52 | 14 12 | 4 29 | 4 58 | 24 2 | 6 54 | 5 38 |
| T 12 | 10 57 | 19 23 | 2 56 | 5 17 | 1 35 | 8 20 | 1 6 | 16 26 | 0 42 | 10 40 | 0 59 | 18 3 | 2 6 | 1 15 | 0 44 | 4 56 | 1 51 | 1 53 | 14 12 | 4 29 | 4 59 | 24 4 | 6 53 | 5 38 |
| W13 | 11 18 | 14 9 | 1 53 | 6 10 | 1 27 | 8 48 | 1 5 | 16 24 | 0 39 | 10 36 | 0 59 | 18 2 | 2 6 | 1 14 | 0 44 | 4 56 | 1 51 | 1 53 | 14 12 | 4 28 | 5 0 | 24 6 | 6 52 | 5 39 |
| T 14 | 11 38 | 8 5 | 0 42 | 7 3 | 1 19 | 9 17 | 1 3 | 16 21 | 0 37 | 10 32 | 1 0 | 18 1 | 2 6 | 1 13 | 0 44 | 4 55 | 1 51 | 1 54 | 14 12 | 4 28 | 5 2 | 24 7 | 6 50 | 5 39 |
| F 15 | 11 58 | 1 26 | 0n34 | 7 57 | 1 10 | 9 45 | 1 1 | 16 19 | 0 34 | 10 29 | 1 0 | 18 0 | 2 6 | 1 12 | 0 44 | 4 54 | 1 51 | 1 54 | 14 12 | 4 28 | 5 3 | 24 9 | 6 49 | 5 39 |
| S 16 | 12 19 | 5n30 | 1 50 | 8 51 | 1 1 | 10 13 | 1 0 | 16 17 | 0 31 | 10 25 | 1 0 | 17 59 | 2 6 | 1 12 | 0 44 | 4 54 | 1 51 | 1 55 | 14 12 | 4 28 | 5 4 | 24 11 | 6 48 | 5 39 |
| S 17 | 12 39 | 12 18 | 3 0 | 9 45 | 0 52 | 10 41 | 0 58 | 16 14 | 0 29 | 10 21 | 1 0 | 17 59 | 2 6 | 1 11 | 0 43 | 4 53 | 1 51 | 1 55 | 14 12 | 4 30 | 5 5 | 24 13 | 6 47 | 5 40 |
| M18 | 12 58 | 18 30 | 3 59 | 10 39 | 0 42 | 11 8 | 0 56 | 16 11 | 0 26 | 10 17 | 1 0 | 17 58 | 2 7 | 1 10 | 0 43 | 4 53 | 1 51 | 1 56 | 14 12 | 4 32 | 5 7 | 24 15 | 6 46 | 5 40 |
| T 19 | 13 18 | 23 35 | 4 42 | 11 33 | 0 32 | 11 36 | 0 54 | 16 9 | 0 23 | 10 13 | 1 1 | 17 57 | 2 7 | 1 9 | 0 43 | 4 52 | 1 51 | 1 56 | 14 12 | 4 35 | 5 8 | 24 17 | 6 45 | 5 40 |
| W20 | 13 37 | 27 2 | 5 4 | 12 27 | 0 22 | 12 3 | 0 52 | 16 6 | 0 21 | 10 10 | 1 1 | 17 56 | 2 7 | 1 8 | 0 43 | 4 52 | 1 51 | 1 56 | 14 12 | 4 37 | 5 9 | 24 19 | 6 44 | 5 41 |
| T 21 | 13 56 | 28 32 | 5 5 | 13 21 | 0 11 | 12 29 | 0 51 | 16 2 | 0 18 | 10 6 | 1 1 | 17 55 | 2 7 | 1 8 | 0 43 | 4 51 | 1 51 | 1 57 | 14 12 | 4 40 | 5 10 | 24 21 | 6 44 | 5 41 |
| F 22 | 14 15 | 28 0 | 4 47 | 14 13 | 0 1 | 12 56 | 0 49 | 15 59 | 0 15 | 10 2 | 1 1 | 17 54 | 2 7 | 1 7 | 0 43 | 4 50 | 1 51 | 1 57 | 14 11 | 4 42 | 5 12 | 24 23 | 6 43 | 5 41 |
| S 23 | 14 34 | 25 39 | 4 12 | 15 5 | 0n10 | 13 22 | 0 47 | 15 56 | 0 12 | 9 59 | 1 2 | 17 53 | 2 7 | 1 6 | 0 43 | 4 50 | 1 51 | 1 58 | 14 11 | 4 43 | 5 13 | 24 25 | 6 42 | 5 41 |
| S 24 | 14 53 | 21 52 | 3 23 | 15 56 | 0 21 | 13 48 | 0 45 | 15 53 | 0 9 | 9 55 | 1 2 | 17 52 | 2 7 | 1 5 | 0 43 | 4 49 | 1 51 | 1 58 | 14 11 | 4 43 | 5 14 | 24 26 | 6 41 | 5 42 |
| M25 | 15 11 | 17 4 | 2 24 | 16 46 | 0 31 | 14 13 | 0 43 | 15 49 | 0 6 | 9 52 | 1 2 | 17 52 | 2 7 | 1 5 | 0 43 | 4 49 | 1 51 | 1 59 | 14 11 | 4 43 | 5 15 | 24 28 | 6 40 | 5 42 |
| T 26 | 15 29 | 11 37 | 1 19 | 17 34 | 0 41 | 14 38 | 0 40 | 15 46 | 0 3 | 9 48 | 1 2 | 17 51 | 2 7 | 1 4 | 0 43 | 4 48 | 1 51 | 1 59 | 14 11 | 4 43 | 5 17 | 24 30 | 6 39 | 5 42 |
| W27 | 15 46 | 5 49 | 0 12 | 18 20 | 0 51 | 15 3 | 0 38 | 15 42 | 0 0 | 9 45 | 1 2 | 17 50 | 2 7 | 1 3 | 0 43 | 4 48 | 1 51 | 1 59 | 14 11 | 4 43 | 5 18 | 24 32 | 6 38 | 5 42 |
| T 28 | 16 4 | 0s 6 | 0s54 | 19 4 | 1 1 | 15 27 | 0 36 | 15 38 | 0s 3 | 9 41 | 1 3 | 17 49 | 2 7 | 1 2 | 0 43 | 4 47 | 1 51 | 2 0 | 14 11 | 4 43 | 5 19 | 24 34 | 6 37 | 5 43 |
| F 29 | 16 21 | 5 54 | 1 56 | 19 47 | 1 10 | 15 51 | 0 34 | 15 35 | 0 6 | 9 38 | 1 3 | 17 48 | 2 7 | 1 2 | 0 43 | 4 47 | 1 50 | 2 0 | 14 11 | 4 44 | 5 20 | 24 36 | 6 36 | 5 43 |
| S 30 | 16n38 | 11s26 | 2s53 | 20n27 | 1n19 | 16n15 | 0s32 | 15s31 | 0s 9 | 9s35 | 1s 3 | 17s47 | 2n 7 | 1s 1 | 0n43 | 4s46 | 1n50 | 2n 1 | 14s11 | 4s46 | 5s21 | 24s37 | 6s36 | 5n43 |

Julian Day Number = 2134611.5, Delta T = 16m06s
Ecliptic obliquity = 23°33'16, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'32, Lahiri = 11°45'33 Julian Calendar 1 Apr. 1132 == Greg. Calendar 8 Apr. 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## MAY 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 1 35 | 16♉42'20 | 4♏24 | 27♉19 | 17♉24 | 11°R14 | 8♓10 | 28°R 4 | 4°R10 | 16°R21 | 12♉ 8 | 17°R53 | 16♓26 | 28♏21 | 28♒47 | S 1 |
| M 2 | 15 5 32 | 17°39'57 | 16°18 | 29°22 | 18°38 | 10♏53 | 8°19 | 28♏ 0 | 4♎ 9 | 16♎20 | 12° 9 | 17♓44 | 16°23 | 28°28 | 28°48 | M 2 |
| T 3 | 15 9 28 | 18°37'33 | 28°11 | 1♊22 | 19°52 | 10°32 | 8°28 | 27°55 | 4° 7 | 16°18 | 12°10 | 17°33 | 16°20 | 28°35 | 28°50 | T 3 |
| W 4 | 15 13 25 | 19°35'08 | 10♐ 4 | 3°21 | 21° 5 | 10°11 | 8°37 | 27°51 | 4° 5 | 16°17 | 12°12 | 17°21 | 16°16 | 28°41 | 28°51 | W 4 |
| T 5 | 15 17 22 | 20°32'42 | 21°57 | 5°17 | 22°19 | 9°50 | 8°46 | 27°47 | 4° 4 | 16°16 | 12°13 | 17°10 | 16°13 | 28°48 | 28°52 | T 5 |
| F 6 | 15 21 18 | 21°30'14 | 3♑54 | 7°11 | 23°33 | 9°30 | 8°55 | 27°42 | 4° 2 | 16°15 | 12°14 | 17° 0 | 16°10 | 28°55 | 28°53 | F 6 |
| S 7 | 15 25 15 | 22°27'46 | 15°57 | 9° 2 | 24°47 | 9°10 | 9° 3 | 27°38 | 4° 1 | 16°13 | 12°16 | 16°52 | 16° 7 | 29° 1 | 28°55 | S 7 |
| S 8 | 15 29 11 | 23°25'17 | 28° 9 | 10°50 | 26° 0 | 8°50 | 9°12 | 27°33 | 4° 0 | 16°12 | 12°17 | 16°47 | 16° 4 | 29° 8 | 28°56 | S 8 |
| M 9 | 15 33 8 | 24°22'47 | 10♒33 | 12°35 | 27°14 | 8°31 | 9°20 | 27°29 | 3°58 | 16°11 | 12°18 | 16°44 | 16° 1 | 29°15 | 28°57 | M 9 |
| T 10 | 15 37 4 | 25°20'15 | 23°13 | 14°18 | 28°28 | 8°12 | 9°28 | 27°25 | 3°57 | 16°10 | 12°20 | 16°D43 | 15°57 | 29°22 | 28°58 | T 10 |
| W11 | 15 41 1 | 26°17'44 | 6♓15 | 15°58 | 29°42 | 7°53 | 9°36 | 27°20 | 3°56 | 16° 8 | 12°21 | 16°43 | 15°54 | 29°28 | 28°59 | W11 |
| T 12 | 15 44 57 | 27°15'11 | 19°41 | 17°35 | 0♊55 | 7°35 | 9°44 | 27°16 | 3°54 | 16° 7 | 12°22 | 16°R44 | 15°51 | 29°35 | 29° 0 | T 12 |
| F 13 | 15 48 54 | 28°12'37 | 3♈35 | 19° 9 | 2° 9 | 7°17 | 9°51 | 27°11 | 3°53 | 16° 6 | 12°24 | 16°43 | 15°48 | 29°42 | 29° 0 | F 13 |
| S 14 | 15 52 51 | 29°10'03 | 17°57 | 20°40 | 3°23 | 7° 0 | 9°59 | 27° 7 | 3°52 | 16° 5 | 12°25 | 16°40 | 15°45 | 29°49 | 29° 1 | S 14 |
| S 15 | 15 56 47 | 0♊ 7'28 | 2♉45 | 22° 8 | 4°36 | 6°44 | 10° 6 | 27° 2 | 3°51 | 16° 4 | 12°26 | 16°34 | 15°42 | 29°55 | 29° 2 | S 15 |
| M16 | 16 0 44 | 1° 4'52 | 17°52 | 23°33 | 5°50 | 6°28 | 10°14 | 26°58 | 3°50 | 16° 3 | 12°28 | 16°26 | 15°38 | 0♐ 2 | 29° 3 | M16 |
| T 17 | 16 4 40 | 2° 2'16 | 3♊10 | 24°55 | 7° 4 | 6°13 | 10°21 | 26°54 | 3°49 | 16° 2 | 12°29 | 16°16 | 15°35 | 0° 9 | 29° 3 | T 17 |
| W18 | 16 8 37 | 2°59'39 | 18°27 | 26°14 | 8°18 | 5°58 | 10°28 | 26°49 | 3°48 | 16° 1 | 12°30 | 16° 6 | 15°32 | 0°15 | 29° 4 | W18 |
| T 19 | 16 12 33 | 3°57'01 | 3♋33 | 27°30 | 9°31 | 5°45 | 10°35 | 26°45 | 3°47 | 16° 0 | 12°31 | 15°56 | 15°29 | 0°22 | 29° 4 | T 19 |
| F 20 | 16 16 30 | 4°54'22 | 18°17 | 28°43 | 10°45 | 5°31 | 10°41 | 26°40 | 3°46 | 15°59 | 12°33 | 15°48 | 15°26 | 0°29 | 29° 5 | F 20 |
| S 21 | 16 20 27 | 5°51'42 | 2♌34 | 29°52 | 11°59 | 5°19 | 10°48 | 26°36 | 3°46 | 15°58 | 12°34 | 15°42 | 15°22 | 0°36 | 29° 5 | S 21 |
| S 22 | 16 24 23 | 6°49'00 | 16°23 | 0♋58 | 13°12 | 5° 8 | 10°54 | 26°32 | 3°45 | 15°57 | 12°35 | 15°39 | 15°19 | 0°42 | 29° 5 | S 22 |
| M23 | 16 28 20 | 7°46'18 | 29°42 | 2° 1 | 14°26 | 4°57 | 11° 0 | 26°27 | 3°44 | 15°56 | 12°37 | 15°38 | 15°16 | 0°49 | 29° 5 | M23 |
| T 24 | 16 32 16 | 8°43'35 | 12♍37 | 3° 0 | 15°40 | 4°47 | 11° 6 | 26°23 | 3°44 | 15°55 | 12°38 | 15°38 | 15°13 | 0°56 | 29° 6 | T 24 |
| W25 | 16 36 13 | 9°40'50 | 25°10 | 3°56 | 16°53 | 4°38 | 11°12 | 26°19 | 3°43 | 15°55 | 12°39 | 15°37 | 15°10 | 1° 2 | 29° 6 | W25 |
| T 26 | 16 40 9 | 10°38'05 | 7♎26 | 4°48 | 18° 7 | 4°29 | 11°18 | 26°15 | 3°43 | 15°54 | 12°40 | 15°36 | 15° 7 | 1° 9 | 29° 6 | T 26 |
| F 27 | 16 44 6 | 11°35'19 | 19°31 | 5°37 | 19°21 | 4°22 | 11°23 | 26°10 | 3°42 | 15°53 | 12°41 | 15°33 | 15° 3 | 1°16 | 29°R 6 | F 27 |
| S 28 | 16 48 2 | 12°32'32 | 1♏29 | 6°21 | 20°34 | 4°15 | 11°29 | 26° 6 | 3°42 | 15°52 | 12°43 | 15°26 | 15° 0 | 1°23 | 29° 6 | S 28 |
| S 29 | 16 51 59 | 13°29'45 | 13°22 | 7° 2 | 21°48 | 4° 9 | 11°34 | 26° 2 | 3°41 | 15°52 | 12°44 | 15°18 | 14°57 | 1°29 | 29° 6 | S 29 |
| M30 | 16 55 55 | 14°26'57 | 25°13 | 7°39 | 23° 2 | 4° 4 | 11°39 | 25°58 | 3°41 | 15°51 | 12°45 | 15° 6 | 14°54 | 1°36 | 29° 6 | M30 |
| T 31 | 16 59 52 | 15♊24'08 | 7♐ 6 | 8♋11 | 24♊15 | 4♏ 0 | 11♓44 | 25♏54 | 3♎41 | 15♎50 | 12♉46 | 14♓53 | 14♓51 | 1♐43 | 29♒ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n55 | 16s31 | 3s41 | 21n 4 | 1n27 | 16n38 | 0s30 | 15s27 | 0s12 | 9s32 | 1s 3 | 17s46 | 2n 7 | 1s 0 | 0n43 | 4s46 | 1n50 | 2n 1 | 14s11 | 4s49 | 5s23 | 24s39 | 6s35 | 5n44 |
| M 2 | 17 11 | 20 56 | 4 19 | 21 40 | 1 35 | 17 1 | 0 27 | 15 24 | 0 15 | 9 28 | 1 4 | 17 45 | 2 7 | 1 0 | 0 43 | 4 45 | 1 50 | 2 1 | 14 11 | 4 52 | 5 24 | 24 41 | 6 34 | 5 44 |
| T 3 | 17 27 | 24 30 | 4 46 | 22 12 | 1 42 | 17 23 | 0 25 | 15 20 | 0 18 | 9 25 | 1 4 | 17 44 | 2 7 | 0 59 | 0 43 | 4 45 | 1 50 | 2 2 | 14 11 | 4 57 | 5 25 | 24 43 | 6 33 | 5 44 |
| W 4 | 17 43 | 27 1 | 5 0 | 22 42 | 1 49 | 17 45 | 0 23 | 15 16 | 0 21 | 9 22 | 1 4 | 17 43 | 2 7 | 0 59 | 0 43 | 4 44 | 1 50 | 2 2 | 14 11 | 5 1 | 5 26 | 24 45 | 6 33 | 5 45 |
| T 5 | 17 58 | 28 20 | 5 2 | 23 10 | 1 55 | 18 6 | 0 21 | 15 12 | 0 24 | 9 19 | 1 4 | 17 42 | 2 7 | 0 58 | 0 43 | 4 44 | 1 50 | 2 3 | 14 11 | 5 6 | 5 28 | 24 46 | 6 32 | 5 45 |
| F 6 | 18 14 | 28 20 | 4 50 | 23 35 | 2 0 | 18 27 | 0 18 | 15 9 | 0 27 | 9 16 | 1 5 | 17 41 | 2 7 | 0 57 | 0 43 | 4 43 | 1 50 | 2 3 | 14 11 | 5 9 | 5 29 | 24 48 | 6 31 | 5 45 |
| S 7 | 18 28 | 26 59 | 4 25 | 23 57 | 2 4 | 18 48 | 0 16 | 15 5 | 0 30 | 9 13 | 1 5 | 17 40 | 2 7 | 0 57 | 0 43 | 4 43 | 1 50 | 2 3 | 14 11 | 5 12 | 5 30 | 24 50 | 6 31 | 5 45 |
| S 8 | 18 43 | 24 21 | 3 48 | 24 17 | 2 8 | 19 8 | 0 14 | 15 2 | 0 33 | 9 10 | 1 5 | 17 39 | 2 7 | 0 56 | 0 43 | 4 42 | 1 50 | 2 4 | 14 11 | 5 15 | 5 31 | 24 52 | 6 30 | 5 46 |
| M 9 | 18 57 | 20 33 | 3 0 | 24 34 | 2 10 | 19 27 | 0 11 | 14 58 | 0 36 | 9 7 | 1 5 | 17 38 | 2 7 | 0 56 | 0 43 | 4 42 | 1 50 | 2 4 | 14 11 | 5 16 | 5 33 | 24 54 | 6 29 | 5 46 |
| T 10 | 19 11 | 15 45 | 2 1 | 24 49 | 2 12 | 19 46 | 0 9 | 14 55 | 0 39 | 9 4 | 1 6 | 17 37 | 2 6 | 0 55 | 0 43 | 4 42 | 1 50 | 2 4 | 14 11 | 5 16 | 5 34 | 24 55 | 6 29 | 5 46 |
| W11 | 19 25 | 10 7 | 0 55 | 25 2 | 2 14 | 20 5 | 0 7 | 14 51 | 0 41 | 9 1 | 1 6 | 17 36 | 2 6 | 0 55 | 0 43 | 4 41 | 1 50 | 2 5 | 14 11 | 5 16 | 5 35 | 24 57 | 6 28 | 5 47 |
| T 12 | 19 38 | 3 52 | 0n16 | 25 12 | 2 14 | 20 22 | 0 4 | 14 48 | 0 44 | 8 59 | 1 6 | 17 35 | 2 6 | 0 54 | 0 43 | 4 41 | 1 50 | 2 5 | 14 11 | 5 16 | 5 36 | 24 59 | 6 27 | 5 47 |
| F 13 | 19 51 | 2n47 | 1 28 | 25 20 | 2 14 | 20 40 | 0 2 | 14 45 | 0 47 | 8 56 | 1 6 | 17 34 | 2 6 | 0 54 | 0 43 | 4 40 | 1 50 | 2 5 | 14 11 | 5 16 | 5 38 | 25 0 | 6 27 | 5 47 |
| S 14 | 20 4 | 9 30 | 2 37 | 25 26 | 2 13 | 20 57 | 0n 1 | 14 42 | 0 50 | 8 53 | 1 7 | 17 34 | 2 6 | 0 54 | 0 43 | 4 40 | 1 50 | 2 6 | 14 12 | 5 17 | 5 39 | 25 2 | 6 26 | 5 48 |
| S 15 | 20 16 | 15 54 | 3 38 | 25 30 | 2 11 | 21 13 | 0 3 | 14 39 | 0 53 | 8 51 | 1 7 | 17 33 | 2 6 | 0 53 | 0 43 | 4 40 | 1 50 | 2 6 | 14 12 | 5 20 | 5 40 | 25 4 | 6 26 | 5 48 |
| M16 | 20 28 | 21 28 | 4 25 | 25 32 | 2 8 | 21 28 | 0 5 | 14 37 | 0 56 | 8 48 | 1 7 | 17 32 | 2 6 | 0 53 | 0 43 | 4 39 | 1 50 | 2 6 | 14 12 | 5 23 | 5 41 | 25 6 | 6 25 | 5 48 |
| T 17 | 20 40 | 25 41 | 4 53 | 25 32 | 2 5 | 21 43 | 0 8 | 14 34 | 0 58 | 8 46 | 1 8 | 17 31 | 2 6 | 0 53 | 0 43 | 4 39 | 1 50 | 2 7 | 14 12 | 5 27 | 5 43 | 25 7 | 6 25 | 5 49 |
| W18 | 20 51 | 28 3 | 5 1 | 25 30 | 2 0 | 21 58 | 0 10 | 14 32 | 1 1 | 8 43 | 1 8 | 17 30 | 2 6 | 0 52 | 0 42 | 4 38 | 1 50 | 2 7 | 14 12 | 5 31 | 5 44 | 25 9 | 6 24 | 5 49 |
| T 19 | 21 2 | 28 17 | 4 47 | 25 27 | 1 55 | 22 11 | 0 13 | 14 30 | 1 4 | 8 41 | 1 8 | 17 29 | 2 6 | 0 52 | 0 42 | 4 38 | 1 50 | 2 7 | 14 12 | 5 34 | 5 45 | 25 11 | 6 24 | 5 49 |
| F 20 | 21 13 | 26 30 | 4 14 | 25 22 | 1 50 | 22 25 | 0 15 | 14 28 | 1 6 | 8 39 | 1 8 | 17 28 | 2 6 | 0 52 | 0 42 | 4 38 | 1 50 | 2 8 | 14 12 | 5 38 | 5 46 | 25 12 | 6 23 | 5 50 |
| S 21 | 21 23 | 23 2 | 3 27 | 25 16 | 1 43 | 22 37 | 0 17 | 14 26 | 1 9 | 8 37 | 1 9 | 17 27 | 2 6 | 0 51 | 0 42 | 4 37 | 1 50 | 2 8 | 14 12 | 5 40 | 5 47 | 25 14 | 6 23 | 5 50 |
| S 22 | 21 33 | 18 21 | 2 28 | 25 9 | 1 36 | 22 49 | 0 20 | 14 25 | 1 11 | 8 34 | 1 9 | 17 26 | 2 6 | 0 51 | 0 42 | 4 37 | 1 50 | 2 8 | 14 12 | 5 41 | 5 49 | 25 16 | 6 22 | 5 50 |
| M23 | 21 43 | 12 56 | 1 23 | 25 0 | 1 28 | 23 0 | 0 22 | 14 23 | 1 14 | 8 32 | 1 9 | 17 25 | 2 6 | 0 51 | 0 42 | 4 37 | 1 50 | 2 8 | 14 12 | 5 42 | 5 50 | 25 17 | 6 22 | 5 50 |
| T 24 | 21 52 | 7 6 | 0 16 | 24 50 | 1 19 | 23 11 | 0 24 | 14 22 | 1 16 | 8 30 | 1 9 | 17 24 | 2 5 | 0 51 | 0 42 | 4 37 | 1 50 | 2 9 | 14 12 | 5 42 | 5 51 | 25 19 | 6 22 | 5 51 |
| W25 | 22 1 | 1 10 | 0s50 | 24 39 | 1 10 | 23 21 | 0 27 | 14 21 | 1 18 | 8 28 | 1 10 | 17 23 | 2 5 | 0 50 | 0 42 | 4 36 | 1 50 | 2 9 | 14 12 | 5 42 | 5 52 | 25 21 | 6 21 | 5 51 |
| T 26 | 22 9 | 4s41 | 1 53 | 24 27 | 0 59 | 23 30 | 0 29 | 14 21 | 1 21 | 8 26 | 1 10 | 17 23 | 2 5 | 0 50 | 0 42 | 4 36 | 1 49 | 2 9 | 14 13 | 5 42 | 5 54 | 25 22 | 6 21 | 5 51 |
| F 27 | 22 17 | 10 16 | 2 49 | 24 15 | 0 49 | 23 39 | 0 31 | 14 20 | 1 23 | 8 25 | 1 10 | 17 22 | 2 5 | 0 50 | 0 42 | 4 36 | 1 49 | 2 9 | 14 13 | 5 44 | 5 55 | 25 24 | 6 21 | 5 52 |
| S 28 | 22 25 | 15 26 | 3 37 | 24 1 | 0 37 | 23 46 | 0 33 | 14 20 | 1 25 | 8 23 | 1 11 | 17 21 | 2 5 | 0 50 | 0 42 | 4 36 | 1 49 | 2 10 | 14 13 | 5 46 | 5 56 | 25 26 | 6 21 | 5 52 |
| S 29 | 22 32 | 19 58 | 4 15 | 23 47 | 0 25 | 23 54 | 0 36 | 14 20 | 1 27 | 8 21 | 1 11 | 17 20 | 2 5 | 0 50 | 0 42 | 4 35 | 1 49 | 2 10 | 14 13 | 5 49 | 5 57 | 25 27 | 6 20 | 5 52 |
| M30 | 22 39 | 23 43 | 4 42 | 23 32 | 0 12 | 24 0 | 0 38 | 14 20 | 1 29 | 8 19 | 1 11 | 17 19 | 2 5 | 0 50 | 0 42 | 4 35 | 1 49 | 2 10 | 14 13 | 5 54 | 5 59 | 25 29 | 6 20 | 5 53 |
| T 31 | 22n45 | 26s28 | 4s57 | 23n17 | 0s 1 | 24n 6 | 0n40 | 14s21 | 1s31 | 8s18 | 1s11 | 17s18 | 2n 5 | 0s50 | 0n42 | 4s35 | 1n49 | 2n10 | 14s13 | 5s59 | 6s 0 | 25s30 | 6s20 | 5n53 |

Julian Day Number = 2134641.5, Delta T = 16m05s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'37, Lahiri = 11°45'37 Julian Calendar 1 May 1132 == Greg. Calendar 8 May 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## JUNE 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 3 49 | 16♊21'19 | 19♐ 1 | 8♋40 | 25♊29 | 3°R57 | 11♓49 | 25°R50 | 3°R40 | 15°R50 | 12♉47 | 14°R39 | 14♓48 | 1♐49 | 29°R 5 | W 1 |
| T 2 | 17 7 45 | 17°18'30 | 0♑59 | 9° 4 | 26°42 | 3♏54 | 11°53 | 25♏46 | 3♎40 | 15♎49 | 12°49 | 14♓26 | 14°44 | 1°56 | 29♒ 5 | T 2 |
| F 3 | 17 11 42 | 18°15'41 | 13° 2 | 9°23 | 27°56 | 3°53 | 11°57 | 25°42 | 3°40 | 15°48 | 12°50 | 14°14 | 14°41 | 2° 3 | 29° 4 | F 3 |
| S 4 | 17 15 38 | 19°12'51 | 25°12 | 9°38 | 29°10 | 3°52 | 12° 2 | 25°38 | 3°40 | 15°48 | 12°51 | 14° 4 | 14°38 | 2°10 | 29° 4 | S 4 |
| S 5 | 17 19 35 | 20°10'01 | 7♒31 | 9°49 | 0♋23 | 3°D52 | 12° 6 | 25°34 | 3°D40 | 15°47 | 12°52 | 13°58 | 14°35 | 2°16 | 29° 3 | S 5 |
| M 6 | 17 23 31 | 21° 7'10 | 20° 0 | 9°55 | 1°37 | 3°53 | 12° 9 | 25°30 | 3°40 | 15°47 | 12°53 | 13°54 | 14°32 | 2°23 | 29° 3 | M 6 |
| T 7 | 17 27 28 | 22° 4'20 | 2♓44 | 9°R56 | 2°50 | 3°54 | 12°13 | 25°27 | 3°40 | 15°47 | 12°54 | 13°52 | 14°28 | 2°30 | 29° 2 | T 7 |
| W 8 | 17 31 25 | 23° 1'30 | 15°45 | 9°53 | 4° 4 | 3°56 | 12°17 | 25°23 | 3°40 | 15°46 | 12°55 | 13°52 | 14°25 | 2°37 | 29° 1 | W 8 |
| T 9 | 17 35 21 | 23°58'40 | 29° 7 | 9°46 | 5°18 | 4° 0 | 12°20 | 25°19 | 3°41 | 15°46 | 12°56 | 13°52 | 14°22 | 2°43 | 29° 1 | T 9 |
| F 10 | 17 39 18 | 24°55'50 | 12♈53 | 9°33 | 6°31 | 4° 4 | 12°23 | 25°16 | 3°41 | 15°45 | 12°57 | 13°51 | 14°19 | 2°50 | 29° 0 | F 10 |
| S 11 | 17 43 14 | 25°53'00 | 27° 4 | 9°17 | 7°45 | 4° 8 | 12°26 | 25°12 | 3°41 | 15°45 | 12°58 | 13°48 | 14°16 | 2°57 | 28°59 | S 11 |
| S 12 | 17 47 11 | 26°50'11 | 11♉39 | 8°57 | 8°58 | 4°14 | 12°29 | 25° 9 | 3°41 | 15°45 | 12°59 | 13°43 | 14°13 | 3° 3 | 28°58 | S 12 |
| M13 | 17 51 7 | 27°47'22 | 26°35 | 8°33 | 10°12 | 4°20 | 12°31 | 25° 5 | 3°42 | 15°44 | 13° 0 | 13°35 | 14° 9 | 3°10 | 28°57 | M13 |
| T 14 | 17 55 4 | 28°44'33 | 11♊43 | 8° 5 | 11°26 | 4°27 | 12°34 | 25° 2 | 3°42 | 15°44 | 13° 1 | 13°25 | 14° 6 | 3°17 | 28°56 | T 14 |
| W15 | 17 59 0 | 29°41'44 | 26°54 | 7°34 | 12°39 | 4°35 | 12°36 | 24°59 | 3°43 | 15°44 | 13° 2 | 13°15 | 14° 3 | 3°24 | 28°55 | W15 |
| T 16 | 18 2 57 | 0♋38'55 | 11♋57 | 7° 1 | 13°53 | 4°43 | 12°38 | 24°56 | 3°43 | 15°44 | 13° 3 | 13° 5 | 14° 0 | 3°30 | 28°54 | T 16 |
| F 17 | 18 6 54 | 1°36'06 | 26°43 | 6°26 | 15° 7 | 4°53 | 12°39 | 24°53 | 3°44 | 15°44 | 13° 4 | 12°57 | 13°57 | 3°37 | 28°53 | F 17 |
| S 18 | 18 10 50 | 2°33'18 | 11♌ 5 | 5°49 | 16°20 | 5° 3 | 12°41 | 24°49 | 3°45 | 15°44 | 13° 5 | 12°51 | 13°54 | 3°44 | 28°52 | S 18 |
| S 19 | 18 14 47 | 3°30'29 | 24°58 | 5°11 | 17°34 | 5°14 | 12°42 | 24°46 | 3°45 | 15°44 | 13° 6 | 12°48 | 13°50 | 3°50 | 28°50 | S 19 |
| M20 | 18 18 43 | 4°27'40 | 8♍23 | 4°33 | 18°47 | 5°25 | 12°44 | 24°44 | 3°46 | 15°44 | 13° 7 | 12°D47 | 13°47 | 3°57 | 28°49 | M20 |
| T 21 | 18 22 40 | 5°24'51 | 21°21 | 3°55 | 20° 1 | 5°37 | 12°45 | 24°41 | 3°47 | 15°D44 | 13° 8 | 12°47 | 13°44 | 4° 4 | 28°48 | T 21 |
| W22 | 18 26 36 | 6°22'01 | 3♎56 | 3°18 | 21°14 | 5°50 | 12°45 | 24°38 | 3°48 | 15°44 | 13° 9 | 12°R47 | 13°41 | 4°11 | 28°46 | W22 |
| T 23 | 18 30 33 | 7°19'12 | 16°14 | 2°43 | 22°28 | 6° 3 | 12°46 | 24°35 | 3°49 | 15°44 | 13°10 | 12°47 | 13°38 | 4°17 | 28°45 | T 23 |
| F 24 | 18 34 29 | 8°16'23 | 28°18 | 2°11 | 23°42 | 6°17 | 12°47 | 24°33 | 3°50 | 15°44 | 13°11 | 12°45 | 13°34 | 4°24 | 28°43 | F 24 |
| S 25 | 18 38 26 | 9°13'34 | 10♏14 | 1°41 | 24°55 | 6°32 | 12°47 | 24°30 | 3°51 | 15°44 | 13°12 | 12°40 | 13°31 | 4°31 | 28°41 | S 25 |
| S 26 | 18 42 23 | 10°10'46 | 22° 6 | 1°14 | 26° 9 | 6°48 | 12°R47 | 24°28 | 3°52 | 15°44 | 13°12 | 12°34 | 13°28 | 4°38 | 28°40 | S 26 |
| M27 | 18 46 19 | 11° 7'57 | 3♐58 | 0°52 | 27°22 | 7° 4 | 12°47 | 24°25 | 3°53 | 15°44 | 13°13 | 12°25 | 13°25 | 4°44 | 28°38 | M27 |
| T 28 | 18 50 16 | 12° 5'09 | 15°52 | 0°34 | 28°36 | 7°20 | 12°46 | 24°23 | 3°54 | 15°44 | 13°14 | 12°15 | 13°22 | 4°51 | 28°36 | T 28 |
| W29 | 18 54 12 | 13° 2'22 | 27°52 | 0°21 | 29°49 | 7°37 | 12°46 | 24°21 | 3°56 | 15°45 | 13°15 | 12° 4 | 13°19 | 4°58 | 28°35 | W29 |
| T 30 | 18 58 9 | 13♋59'34 | 9♑58 | 0♋12 | 1♌ 3 | 7♏55 | 12♓45 | 24♏19 | 3♎57 | 15♎45 | 13♉15 | 11♓53 | 13♓15 | 5♐ 4 | 28♒33 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n51 | 28s 3 | 4s58 | 23n 1 | 0s15 | 24n11 | 0n42 | 14s21 | 1s33 | 8s16 | 1s12 | 17s18 | 2n 4 | 0s50 | 0n42 | 4s35 | 1n49 | 2n11 | 14s13 | 6s 4 | 6s 1 | 25s32 | 6s20 | 5n53 |
| T 2 | 22 57 | 28 20 | 4 47 | 22 45 | 0 29 | 24 15 | 0 44 | 14 22 | 1 35 | 8 15 | 1 12 | 17 17 | 2 4 | 0 50 | 0 42 | 4 35 | 1 49 | 2 11 | 14 13 | 6 9 | 6 2 | 25 34 | 6 19 | 5 54 |
| F 3 | 23 2 | 27 16 | 4 23 | 22 29 | 0 44 | 24 19 | 0 47 | 14 24 | 1 37 | 8 13 | 1 12 | 17 16 | 2 4 | 0 50 | 0 42 | 4 34 | 1 49 | 2 11 | 14 14 | 6 14 | 6 4 | 25 35 | 6 19 | 5 54 |
| S 4 | 23 7 | 24 55 | 3 47 | 22 13 | 0 59 | 24 22 | 0 49 | 14 25 | 1 39 | 8 12 | 1 13 | 17 15 | 2 4 | 0 50 | 0 42 | 4 34 | 1 49 | 2 11 | 14 14 | 6 18 | 6 5 | 25 37 | 6 19 | 5 54 |
| S 5 | 23 11 | 21 22 | 2 59 | 21 57 | 1 15 | 24 24 | 0 51 | 14 27 | 1 41 | 8 11 | 1 13 | 17 14 | 2 4 | 0 50 | 0 42 | 4 34 | 1 49 | 2 11 | 14 14 | 6 20 | 6 6 | 25 38 | 6 19 | 5 54 |
| M 6 | 23 15 | 16 49 | 2 2 | 21 40 | 1 31 | 24 25 | 0 53 | 14 29 | 1 43 | 8 10 | 1 13 | 17 14 | 2 4 | 0 50 | 0 42 | 4 34 | 1 49 | 2 11 | 14 14 | 6 22 | 6 7 | 25 40 | 6 19 | 5 55 |
| T 7 | 23 19 | 11 28 | 0 59 | 21 24 | 1 47 | 24 26 | 0 55 | 14 31 | 1 44 | 8 9 | 1 14 | 17 13 | 2 4 | 0 50 | 0 42 | 4 34 | 1 49 | 2 12 | 14 14 | 6 23 | 6 8 | 25 41 | 6 19 | 5 55 |
| W 8 | 23 22 | 5 30 | 0n10 | 21 9 | 2 3 | 24 26 | 0 57 | 14 33 | 1 46 | 8 7 | 1 14 | 17 12 | 2 3 | 0 50 | 0 42 | 4 34 | 1 49 | 2 12 | 14 14 | 6 23 | 6 10 | 25 43 | 6 19 | 5 55 |
| T 9 | 23 25 | 0n52 | 1 20 | 20 53 | 2 19 | 24 25 | 0 59 | 14 36 | 1 48 | 8 7 | 1 14 | 17 11 | 2 3 | 0 50 | 0 42 | 4 34 | 1 49 | 2 12 | 14 14 | 6 23 | 6 11 | 25 45 | 6 19 | 5 56 |
| F 10 | 23 27 | 7 22 | 2 27 | 20 38 | 2 35 | 24 24 | 1 0 | 14 39 | 1 49 | 8 6 | 1 15 | 17 11 | 2 3 | 0 50 | 0 42 | 4 33 | 1 49 | 2 12 | 14 15 | 6 23 | 6 12 | 25 46 | 6 19 | 5 56 |
| S 11 | 23 29 | 13 42 | 3 27 | 20 24 | 2 50 | 24 22 | 1 2 | 14 42 | 1 51 | 8 5 | 1 15 | 17 10 | 2 3 | 0 50 | 0 41 | 4 33 | 1 49 | 2 12 | 14 15 | 6 24 | 6 13 | 25 48 | 6 19 | 5 56 |
| S 12 | 23 31 | 19 27 | 4 16 | 20 10 | 3 6 | 24 19 | 1 4 | 14 45 | 1 52 | 8 4 | 1 15 | 17 9 | 2 3 | 0 50 | 0 41 | 4 33 | 1 49 | 2 12 | 14 15 | 6 26 | 6 15 | 25 49 | 6 19 | 5 56 |
| M13 | 23 32 | 24 9 | 4 48 | 19 57 | 3 20 | 24 15 | 1 6 | 14 48 | 1 54 | 8 3 | 1 15 | 17 9 | 2 3 | 0 51 | 0 41 | 4 33 | 1 49 | 2 12 | 14 15 | 6 29 | 6 16 | 25 51 | 6 19 | 5 57 |
| T 14 | 23 33 | 27 16 | 5 1 | 19 44 | 3 34 | 24 11 | 1 7 | 14 52 | 1 55 | 8 3 | 1 16 | 17 8 | 2 2 | 0 51 | 0 41 | 4 33 | 1 48 | 2 13 | 14 15 | 6 33 | 6 17 | 25 52 | 6 19 | 5 57 |
| W15 | 23 33 | 28 24 | 4 53 | 19 33 | 3 47 | 24 6 | 1 9 | 14 56 | 1 56 | 8 2 | 1 16 | 17 8 | 2 2 | 0 51 | 0 41 | 4 33 | 1 48 | 2 13 | 14 15 | 6 37 | 6 18 | 25 54 | 6 19 | 5 57 |
| T 16 | 23 33 | 27 24 | 4 24 | 19 23 | 4 0 | 24 0 | 1 11 | 15 0 | 1 58 | 8 2 | 1 16 | 17 7 | 2 2 | 0 51 | 0 41 | 4 33 | 1 48 | 2 13 | 14 16 | 6 41 | 6 19 | 25 55 | 6 19 | 5 58 |
| F 17 | 23 33 | 24 29 | 3 38 | 19 14 | 4 11 | 23 53 | 1 12 | 15 5 | 1 59 | 8 1 | 1 17 | 17 6 | 2 2 | 0 52 | 0 41 | 4 33 | 1 48 | 2 13 | 14 16 | 6 44 | 6 21 | 25 57 | 6 19 | 5 58 |
| S 18 | 23 32 | 20 5 | 2 40 | 19 6 | 4 20 | 23 46 | 1 14 | 15 9 | 2 0 | 8 1 | 1 17 | 17 6 | 2 2 | 0 52 | 0 41 | 4 33 | 1 48 | 2 13 | 14 16 | 6 46 | 6 22 | 25 58 | 6 20 | 5 58 |
| S 19 | 23 30 | 14 43 | 1 33 | 18 59 | 4 29 | 23 38 | 1 15 | 15 14 | 2 1 | 8 1 | 1 17 | 17 5 | 2 1 | 0 52 | 0 41 | 4 33 | 1 48 | 2 13 | 14 16 | 6 47 | 6 23 | 26 0 | 6 20 | 5 58 |
| M20 | 23 29 | 8 50 | 0 23 | 18 53 | 4 36 | 23 30 | 1 17 | 15 19 | 2 3 | 8 1 | 1 18 | 17 5 | 2 1 | 0 53 | 0 41 | 4 33 | 1 48 | 2 13 | 14 16 | 6 48 | 6 24 | 26 1 | 6 20 | 5 59 |
| T 21 | 23 27 | 2 45 | 0s45 | 18 49 | 4 41 | 23 20 | 1 18 | 15 24 | 2 4 | 8 0 | 1 18 | 17 4 | 2 1 | 0 53 | 0 41 | 4 33 | 1 48 | 2 13 | 14 17 | 6 48 | 6 26 | 26 2 | 6 20 | 5 59 |
| W22 | 23 24 | 3s15 | 1 50 | 18 46 | 4 45 | 23 10 | 1 19 | 15 29 | 2 5 | 8 0 | 1 18 | 17 4 | 2 1 | 0 53 | 0 41 | 4 33 | 1 48 | 2 13 | 14 17 | 6 48 | 6 27 | 26 4 | 6 21 | 5 59 |
| T 23 | 23 21 | 9 0 | 2 48 | 18 45 | 4 47 | 23 0 | 1 20 | 15 35 | 2 6 | 8 0 | 1 19 | 17 3 | 2 1 | 0 54 | 0 41 | 4 34 | 1 48 | 2 13 | 14 17 | 6 48 | 6 28 | 26 5 | 6 21 | 5 59 |
| F 24 | 23 18 | 14 18 | 3 37 | 18 45 | 4 47 | 22 48 | 1 22 | 15 41 | 2 7 | 8 1 | 1 19 | 17 3 | 2 0 | 0 54 | 0 41 | 4 34 | 1 48 | 2 13 | 14 17 | 6 48 | 6 29 | 26 7 | 6 21 | 6 0 |
| S 25 | 23 14 | 19 1 | 4 17 | 18 47 | 4 46 | 22 36 | 1 23 | 15 46 | 2 8 | 8 1 | 1 19 | 17 3 | 2 0 | 0 55 | 0 41 | 4 34 | 1 48 | 2 13 | 14 17 | 6 50 | 6 31 | 26 8 | 6 21 | 6 0 |
| S 26 | 23 10 | 22 57 | 4 45 | 18 50 | 4 43 | 22 24 | 1 24 | 15 52 | 2 9 | 8 1 | 1 20 | 17 2 | 2 0 | 0 55 | 0 41 | 4 34 | 1 48 | 2 13 | 14 18 | 6 53 | 6 32 | 26 10 | 6 22 | 6 0 |
| M27 | 23 5 | 25 57 | 5 0 | 18 54 | 4 39 | 22 10 | 1 25 | 15 59 | 2 10 | 8 1 | 1 20 | 17 2 | 2 0 | 0 56 | 0 41 | 4 34 | 1 48 | 2 13 | 14 18 | 6 56 | 6 33 | 26 11 | 6 22 | 6 0 |
| T 28 | 23 0 | 27 49 | 5 3 | 19 0 | 4 33 | 21 56 | 1 26 | 16 5 | 2 11 | 8 2 | 1 20 | 17 1 | 2 0 | 0 56 | 0 41 | 4 34 | 1 48 | 2 13 | 14 18 | 7 0 | 6 34 | 26 12 | 6 22 | 6 1 |
| W29 | 22 55 | 28 24 | 4 52 | 19 7 | 4 26 | 21 42 | 1 27 | 16 11 | 2 11 | 8 2 | 1 20 | 17 1 | 1 59 | 0 57 | 0 41 | 4 34 | 1 48 | 2 13 | 14 18 | 7 4 | 6 35 | 26 14 | 6 23 | 6 1 |
| T 30 | 22n49 | 27s38 | 4s28 | 19n15 | 4s18 | 21n27 | 1n27 | 16s18 | 2s12 | 8s 3 | 1s21 | 17s 1 | 1n59 | 0s57 | 0n41 | 4s34 | 1n48 | 2n13 | 14s19 | 7s 8 | 6s37 | 26s15 | 6s23 | 6n 1 |

Julian Day Number = 2134672.5, Delta T = 16m05s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'41, Lahiri = 11°45'41 Julian Calendar 1 June 1132 == Greg. Calendar 8 June 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## JULY 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 2 5 | 14♋56'48 | 22♉11 | 0°D 9 | 2♌16 | 8♏14 | 12°R44 | 24°R17 | 3♎58 | 15♎45 | 13♉16 | 11°R44 | 13♓12 | 5♐11 | 28°R31 | F 1 |
| S 2 | 19 6 2 | 15°54'01 | 4♒33 | 0♋12 | 3°30 | 8°32 | 12♓43 | 24♏15 | 4° 0 | 15°46 | 13°17 | 11♓36 | 13° 9 | 5°18 | 28♒29 | S 2 |
| S 3 | 19 9 59 | 16°51'16 | 17° 5 | 0°20 | 4°43 | 8°52 | 12°42 | 24°13 | 4° 1 | 15°46 | 13°18 | 11°31 | 13° 6 | 5°25 | 28°27 | S 3 |
| M 4 | 19 13 55 | 17°48'31 | 29°48 | 0°35 | 5°57 | 9°12 | 12°40 | 24°11 | 4° 3 | 15°46 | 13°18 | 11°29 | 13° 3 | 5°31 | 28°25 | M 4 |
| T 5 | 19 17 52 | 18°45'47 | 12♓43 | 0°55 | 7°10 | 9°32 | 12°38 | 24°10 | 4° 4 | 15°47 | 13°19 | 11°D28 | 13° 0 | 5°38 | 28°23 | T 5 |
| W 6 | 19 21 48 | 19°43'04 | 25°52 | 1°21 | 8°24 | 9°53 | 12°36 | 24° 8 | 4° 6 | 15°47 | 13°20 | 11°29 | 12°56 | 5°45 | 28°21 | W 6 |
| T 7 | 19 25 45 | 20°40'22 | 9♈18 | 1°53 | 9°37 | 10°15 | 12°34 | 24° 7 | 4° 7 | 15°48 | 13°20 | 11°30 | 12°53 | 5°52 | 28°19 | T 7 |
| F 8 | 19 29 41 | 21°37'41 | 23° 2 | 2°31 | 10°51 | 10°37 | 12°32 | 24° 5 | 4° 9 | 15°48 | 13°21 | 11°R30 | 12°50 | 5°58 | 28°17 | F 8 |
| S 9 | 19 33 38 | 22°35'02 | 7♉ 5 | 3°15 | 12° 4 | 10°59 | 12°30 | 24° 4 | 4°11 | 15°49 | 13°21 | 11°29 | 12°47 | 6° 5 | 28°14 | S 9 |
| S 10 | 19 37 34 | 23°32'23 | 21°26 | 4° 4 | 13°18 | 11°22 | 12°27 | 24° 3 | 4°12 | 15°50 | 13°22 | 11°26 | 12°44 | 6°12 | 28°12 | S 10 |
| M11 | 19 41 31 | 24°29'46 | 6♊ 3 | 5° 0 | 14°31 | 11°46 | 12°24 | 24° 1 | 4°14 | 15°50 | 13°23 | 11°22 | 12°40 | 6°18 | 28°10 | M11 |
| T 12 | 19 45 28 | 25°27'09 | 20°51 | 6° 1 | 15°44 | 12°10 | 12°21 | 24° 0 | 4°16 | 15°51 | 13°23 | 11°16 | 12°37 | 6°25 | 28° 7 | T 12 |
| W13 | 19 49 24 | 26°24'34 | 5♋42 | 7° 7 | 16°58 | 12°34 | 12°18 | 24° 0 | 4°18 | 15°52 | 13°24 | 11° 9 | 12°34 | 6°32 | 28° 5 | W13 |
| T 14 | 19 53 21 | 27°22'00 | 20°28 | 8°19 | 18°11 | 12°59 | 12°14 | 23°59 | 4°20 | 15°52 | 13°24 | 11° 2 | 12°31 | 6°39 | 28° 3 | T 14 |
| F 15 | 19 57 17 | 28°19'27 | 5♌ 2 | 9°37 | 19°25 | 13°24 | 12°11 | 23°58 | 4°22 | 15°53 | 13°25 | 10°57 | 12°28 | 6°45 | 28° 0 | F 15 |
| S 16 | 20 1 14 | 29°16'55 | 19°16 | 10°59 | 20°38 | 13°50 | 12° 7 | 23°57 | 4°24 | 15°54 | 13°25 | 10°53 | 12°25 | 6°52 | 27°58 | S 16 |
| S 17 | 20 5 10 | 0♌14'24 | 3♍ 6 | 12°26 | 21°52 | 14°16 | 12° 3 | 23°57 | 4°26 | 15°55 | 13°26 | 10°51 | 12°21 | 6°59 | 27°55 | S 17 |
| M18 | 20 9 7 | 1°11'53 | 16°31 | 13°58 | 23° 5 | 14°42 | 11°59 | 23°56 | 4°28 | 15°56 | 13°26 | 10°D51 | 12°18 | 7° 5 | 27°53 | M18 |
| T 19 | 20 13 3 | 2° 9'24 | 29°32 | 15°34 | 24°18 | 15° 9 | 11°55 | 23°56 | 4°30 | 15°56 | 13°26 | 10°52 | 12°15 | 7°12 | 27°50 | T 19 |
| W20 | 20 17 0 | 3° 6'55 | 12♎10 | 17°15 | 25°32 | 15°37 | 11°50 | 23°56 | 4°33 | 15°57 | 13°27 | 10°54 | 12°12 | 7°19 | 27°48 | W20 |
| T 21 | 20 20 57 | 4° 4'27 | 24°30 | 18°59 | 26°45 | 16° 4 | 11°45 | 23°55 | 4°35 | 15°58 | 13°27 | 10°55 | 12° 9 | 7°26 | 27°45 | T 21 |
| F 22 | 20 24 53 | 5° 2'01 | 6♏36 | 20°46 | 27°58 | 16°32 | 11°41 | 23°D55 | 4°37 | 15°59 | 13°27 | 10°R56 | 12° 6 | 7°32 | 27°42 | F 22 |
| S 23 | 20 28 50 | 5°59'35 | 18°34 | 22°37 | 29°12 | 17° 1 | 11°36 | 23°55 | 4°40 | 16° 0 | 13°28 | 10°55 | 12° 2 | 7°39 | 27°40 | S 23 |
| S 24 | 20 32 46 | 6°57'10 | 0♐27 | 24°30 | 0♍25 | 17°30 | 11°31 | 23°56 | 4°42 | 16° 1 | 13°28 | 10°52 | 11°59 | 7°46 | 27°37 | S 24 |
| M25 | 20 36 43 | 7°54'46 | 12°20 | 26°25 | 1°38 | 17°59 | 11°25 | 23°56 | 4°44 | 16° 2 | 13°28 | 10°49 | 11°56 | 7°53 | 27°34 | M25 |
| T 26 | 20 40 39 | 8°52'23 | 24°17 | 28°23 | 2°52 | 18°29 | 11°20 | 23°56 | 4°47 | 16° 3 | 13°29 | 10°44 | 11°53 | 7°59 | 27°31 | T 26 |
| W27 | 20 44 36 | 9°50'02 | 6♑22 | 0♌21 | 4° 5 | 18°58 | 11°14 | 23°56 | 4°49 | 16° 5 | 13°29 | 10°39 | 11°50 | 8° 6 | 27°29 | W27 |
| T 28 | 20 48 32 | 10°47'42 | 18°35 | 2°21 | 5°18 | 19°29 | 11° 8 | 23°57 | 4°52 | 16° 6 | 13°29 | 10°33 | 11°46 | 8°13 | 27°26 | T 28 |
| F 29 | 20 52 29 | 11°45'23 | 1♒ 1 | 4°22 | 6°31 | 19°59 | 11° 3 | 23°58 | 4°55 | 16° 7 | 13°29 | 10°29 | 11°43 | 8°19 | 27°23 | F 29 |
| S 30 | 20 56 26 | 12°43'05 | 13°38 | 6°23 | 7°45 | 20°30 | 10°57 | 23°58 | 4°57 | 16° 8 | 13°29 | 10°26 | 11°40 | 8°26 | 27°20 | S 30 |
| S 31 | 21 0 22 | 13♌40'48 | 26♒28 | 8♌24 | 8♍58 | 21♏ 1 | 10♓50 | 23♏59 | 5♎ 0 | 16♎ 9 | 13♉30 | 10♓23 | 11♓37 | 8♐33 | 27♒17 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n43 | 25s32 | 3s52 | 19n24 | 4s 9 | 21n11 | 1n28 | 16s25 | 2s13 | 8s 4 | 1s21 | 17s 1 | 1n59 | 0s58 | 0n41 | 4s35 | 1n48 | 2n13 | 14s19 | 7s12 | 6s38 | 26s17 | 6s24 | 6n 1 |
| S 2 | 22 36 | 22 12 | 3 4 | 19 35 | 3 58 | 20 54 | 1 29 | 16 32 | 2 14 | 8 4 | 1 21 | 17 0 | 1 59 | 0 58 | 0 41 | 4 35 | 1 47 | 2 13 | 14 19 | 7 15 | 6 39 | 26 18 | 6 24 | 6 2 |
| S 3 | 22 29 | 17 48 | 2 7 | 19 46 | 3 47 | 20 37 | 1 29 | 16 39 | 2 15 | 8 5 | 1 22 | 17 0 | 1 59 | 0 59 | 0 41 | 4 35 | 1 47 | 2 13 | 14 19 | 7 17 | 6 40 | 26 19 | 6 25 | 6 2 |
| M 4 | 22 22 | 12 34 | 1 2 | 19 58 | 3 35 | 20 20 | 1 30 | 16 46 | 2 15 | 8 6 | 1 22 | 17 0 | 1 58 | 1 0 | 0 41 | 4 35 | 1 47 | 2 13 | 14 19 | 7 18 | 6 42 | 26 21 | 6 25 | 6 2 |
| T 5 | 22 14 | 6 43 | 0n 7 | 20 11 | 3 22 | 20 2 | 1 31 | 16 53 | 2 16 | 8 7 | 1 22 | 17 0 | 1 58 | 1 0 | 0 41 | 4 35 | 1 47 | 2 13 | 14 20 | 7 18 | 6 43 | 26 22 | 6 26 | 6 2 |
| W 6 | 22 6 | 0 29 | 1 17 | 20 24 | 3 8 | 19 43 | 1 31 | 17 0 | 2 17 | 8 8 | 1 23 | 16 59 | 1 58 | 1 1 | 0 40 | 4 36 | 1 47 | 2 13 | 14 20 | 7 18 | 6 44 | 26 23 | 6 26 | 6 2 |
| T 7 | 21 57 | 5n54 | 2 24 | 20 38 | 2 54 | 19 24 | 1 31 | 17 8 | 2 17 | 8 9 | 1 23 | 16 59 | 1 58 | 1 2 | 0 40 | 4 36 | 1 47 | 2 13 | 14 20 | 7 17 | 6 45 | 26 25 | 6 27 | 6 3 |
| F 8 | 21 48 | 12 9 | 3 25 | 20 52 | 2 40 | 19 4 | 1 32 | 17 15 | 2 18 | 8 10 | 1 23 | 16 59 | 1 57 | 1 2 | 0 40 | 4 36 | 1 47 | 2 13 | 14 20 | 7 17 | 6 46 | 26 26 | 6 27 | 6 3 |
| S 9 | 21 39 | 17 56 | 4 14 | 21 6 | 2 25 | 18 43 | 1 32 | 17 23 | 2 18 | 8 11 | 1 24 | 16 59 | 1 57 | 1 3 | 0 40 | 4 36 | 1 47 | 2 13 | 14 21 | 7 17 | 6 48 | 26 27 | 6 28 | 6 3 |
| S 10 | 21 29 | 22 51 | 4 49 | 21 19 | 2 10 | 18 23 | 1 32 | 17 31 | 2 19 | 8 13 | 1 24 | 16 59 | 1 57 | 1 4 | 0 40 | 4 37 | 1 47 | 2 13 | 14 21 | 7 18 | 6 49 | 26 29 | 6 28 | 6 3 |
| M11 | 21 19 | 26 27 | 5 6 | 21 32 | 1 55 | 18 1 | 1 32 | 17 39 | 2 19 | 8 14 | 1 24 | 16 59 | 1 57 | 1 5 | 0 40 | 4 37 | 1 47 | 2 13 | 14 21 | 7 20 | 6 50 | 26 30 | 6 29 | 6 3 |
| T 12 | 21 9 | 28 17 | 5 3 | 21 45 | 1 40 | 17 39 | 1 32 | 17 47 | 2 20 | 8 15 | 1 24 | 16 59 | 1 56 | 1 5 | 0 40 | 4 37 | 1 47 | 2 13 | 14 21 | 7 23 | 6 51 | 26 31 | 6 30 | 6 3 |
| W13 | 20 58 | 28 6 | 4 40 | 21 57 | 1 25 | 17 17 | 1 32 | 17 55 | 2 20 | 8 17 | 1 25 | 16 59 | 1 56 | 1 6 | 0 40 | 4 38 | 1 47 | 2 13 | 14 22 | 7 25 | 6 53 | 26 33 | 6 30 | 6 4 |
| T 14 | 20 47 | 25 55 | 3 58 | 22 7 | 1 10 | 16 54 | 1 32 | 18 3 | 2 21 | 8 19 | 1 25 | 16 59 | 1 56 | 1 7 | 0 40 | 4 38 | 1 47 | 2 13 | 14 22 | 7 28 | 6 54 | 26 34 | 6 31 | 6 4 |
| F 15 | 20 36 | 22 2 | 3 1 | 22 17 | 0 55 | 16 31 | 1 32 | 18 11 | 2 21 | 8 20 | 1 25 | 16 59 | 1 56 | 1 8 | 0 40 | 4 38 | 1 47 | 2 12 | 14 22 | 7 30 | 6 55 | 26 35 | 6 32 | 6 4 |
| S 16 | 20 24 | 16 56 | 1 54 | 22 25 | 0 41 | 16 7 | 1 31 | 18 19 | 2 22 | 8 22 | 1 26 | 16 59 | 1 56 | 1 9 | 0 40 | 4 39 | 1 47 | 2 12 | 14 22 | 7 31 | 6 56 | 26 36 | 6 32 | 6 4 |
| S 17 | 20 12 | 11 4 | 0 42 | 22 31 | 0 27 | 15 43 | 1 31 | 18 27 | 2 22 | 8 24 | 1 26 | 16 59 | 1 55 | 1 10 | 0 40 | 4 39 | 1 47 | 2 12 | 14 23 | 7 32 | 6 57 | 26 38 | 6 33 | 6 4 |
| M18 | 19 59 | 4 52 | 0s31 | 22 36 | 0 13 | 15 19 | 1 31 | 18 36 | 2 22 | 8 26 | 1 26 | 16 59 | 1 55 | 1 10 | 0 40 | 4 39 | 1 47 | 2 12 | 14 23 | 7 32 | 6 59 | 26 39 | 6 34 | 6 4 |
| T 19 | 19 46 | 1s20 | 1 40 | 22 38 | 0 0 | 14 54 | 1 30 | 18 44 | 2 23 | 8 27 | 1 26 | 16 59 | 1 55 | 1 11 | 0 40 | 4 40 | 1 47 | 2 12 | 14 23 | 7 31 | 7 0 | 26 40 | 6 35 | 6 4 |
| W20 | 19 33 | 7 19 | 2 42 | 22 38 | 0n12 | 14 29 | 1 30 | 18 52 | 2 23 | 8 29 | 1 27 | 17 0 | 1 55 | 1 12 | 0 40 | 4 40 | 1 46 | 2 12 | 14 24 | 7 31 | 7 1 | 26 41 | 6 35 | 6 5 |
| T 21 | 19 20 | 12 52 | 3 35 | 22 36 | 0 24 | 14 3 | 1 29 | 19 1 | 2 23 | 8 31 | 1 27 | 17 0 | 1 54 | 1 13 | 0 40 | 4 41 | 1 46 | 2 12 | 14 24 | 7 30 | 7 2 | 26 43 | 6 36 | 6 5 |
| F 22 | 19 6 | 17 50 | 4 17 | 22 31 | 0 35 | 13 37 | 1 28 | 19 9 | 2 24 | 8 34 | 1 27 | 17 0 | 1 54 | 1 14 | 0 40 | 4 41 | 1 46 | 2 11 | 14 24 | 7 30 | 7 3 | 26 44 | 6 37 | 6 5 |
| S 23 | 18 52 | 22 2 | 4 48 | 22 24 | 0 46 | 13 10 | 1 27 | 19 18 | 2 24 | 8 36 | 1 27 | 17 0 | 1 54 | 1 15 | 0 40 | 4 41 | 1 46 | 2 11 | 14 24 | 7 31 | 7 5 | 26 45 | 6 38 | 6 5 |
| S 24 | 18 37 | 25 20 | 5 6 | 22 14 | 0 55 | 12 44 | 1 27 | 19 26 | 2 24 | 8 38 | 1 28 | 17 1 | 1 54 | 1 16 | 0 40 | 4 42 | 1 46 | 2 11 | 14 25 | 7 31 | 7 6 | 26 46 | 6 39 | 6 5 |
| M25 | 18 23 | 27 31 | 5 11 | 22 1 | 1 4 | 12 16 | 1 26 | 19 35 | 2 24 | 8 40 | 1 28 | 17 1 | 1 53 | 1 17 | 0 40 | 4 42 | 1 46 | 2 11 | 14 25 | 7 33 | 7 7 | 26 47 | 6 39 | 6 5 |
| T 26 | 18 8 | 28 28 | 5 3 | 21 46 | 1 12 | 11 49 | 1 25 | 19 43 | 2 25 | 8 42 | 1 28 | 17 1 | 1 53 | 1 18 | 0 40 | 4 43 | 1 46 | 2 11 | 14 25 | 7 35 | 7 8 | 26 49 | 6 40 | 6 5 |
| W27 | 17 52 | 28 5 | 4 41 | 21 28 | 1 19 | 11 21 | 1 24 | 19 52 | 2 25 | 8 45 | 1 28 | 17 1 | 1 53 | 1 19 | 0 40 | 4 43 | 1 46 | 2 11 | 14 25 | 7 37 | 7 10 | 26 50 | 6 41 | 6 5 |
| T 28 | 17 37 | 26 19 | 4 6 | 21 7 | 1 26 | 10 53 | 1 22 | 20 0 | 2 25 | 8 47 | 1 29 | 17 2 | 1 53 | 1 20 | 0 40 | 4 44 | 1 46 | 2 10 | 14 26 | 7 39 | 7 11 | 26 51 | 6 42 | 6 5 |
| F 29 | 17 21 | 23 16 | 3 19 | 20 44 | 1 31 | 10 25 | 1 21 | 20 9 | 2 25 | 8 50 | 1 29 | 17 2 | 1 52 | 1 21 | 0 40 | 4 44 | 1 46 | 2 10 | 14 26 | 7 40 | 7 12 | 26 52 | 6 43 | 6 5 |
| S 30 | 17 4 | 19 4 | 2 21 | 20 19 | 1 36 | 9 56 | 1 20 | 20 17 | 2 25 | 8 52 | 1 29 | 17 3 | 1 52 | 1 22 | 0 40 | 4 45 | 1 46 | 2 10 | 14 26 | 7 42 | 7 13 | 26 53 | 6 44 | 6 5 |
| S 31 | 16n48 | 13s56 | 1s16 | 19n51 | 1n39 | 9n28 | 1n19 | 20s26 | 2s25 | 8s55 | 1s29 | 17s 3 | 1n52 | 1s23 | 0n40 | 4s45 | 1n46 | 2n10 | 14s26 | 7s42 | 7s14 | 26s54 | 6s45 | 6n 5 |

Julian Day Number = 2134702.5, Delta T = 16m05s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'45, Lahiri = 11°45'45 Julian Calendar 1 July 1132 == Greg. Calendar 8 July 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## AUGUST 1132 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 4 19 | 14♌38'33 | 9♓31 | 10♌26 | 10♍11 | 21♏33 | 10°R44 | 24♏ 0 | 5♎ 3 | 16♎11 | 13♉30 | 10°D23 | 11♓34 | 8♐40 | 27°R15 | M 1 |
| T 2 | 21 8 15 | 15°36'20 | 22°46 | 12°26 | 11°24 | 22° 4 | 10♓38 | 24° 1 | 5° 5 | 16°12 | 13°30 | 10♓23 | 11°31 | 8°46 | 27♒12 | T 2 |
| W 3 | 21 12 12 | 16°34'08 | 6♈14 | 14°27 | 12°37 | 22°37 | 10°31 | 24° 2 | 5° 8 | 16°13 | 13°30 | 10°24 | 11°27 | 8°53 | 27° 9 | W 3 |
| T 4 | 21 16 8 | 17°31'58 | 19°55 | 16°26 | 13°50 | 23° 9 | 10°24 | 24° 3 | 5°11 | 16°14 | 13°30 | 10°26 | 11°24 | 9° 0 | 27° 6 | T 4 |
| F 5 | 21 20 5 | 18°29'50 | 3♉47 | 18°25 | 15° 4 | 23°42 | 10°18 | 24° 5 | 5°14 | 16°16 | 13°30 | 10°27 | 11°21 | 9° 7 | 27° 3 | F 5 |
| S 6 | 21 24 1 | 19°27'44 | 17°50 | 20°23 | 16°17 | 24°14 | 10°11 | 24° 6 | 5°17 | 16°17 | 13°30 | 10°R28 | 11°18 | 9°13 | 27° 0 | S 6 |
| S 7 | 21 27 58 | 20°25'39 | 2♊ 3 | 22°20 | 17°30 | 24°48 | 10° 4 | 24° 7 | 5°20 | 16°19 | 13°R30 | 10°27 | 11°15 | 9°20 | 26°57 | S 7 |
| M 8 | 21 31 55 | 21°23'37 | 16°23 | 24°16 | 18°43 | 25°21 | 9°57 | 24° 9 | 5°22 | 16°20 | 13°30 | 10°26 | 11°12 | 9°27 | 26°54 | M 8 |
| T 9 | 21 35 51 | 22°21'37 | 0♋48 | 26°11 | 19°56 | 25°55 | 9°49 | 24°11 | 5°25 | 16°22 | 13°30 | 10°24 | 11° 8 | 9°33 | 26°51 | T 9 |
| W10 | 21 39 48 | 23°19'38 | 15°12 | 28° 4 | 21° 9 | 26°29 | 9°42 | 24°12 | 5°28 | 16°23 | 13°30 | 10°22 | 11° 5 | 9°40 | 26°48 | W10 |
| T 11 | 21 43 44 | 24°17'41 | 29°32 | 29°57 | 22°22 | 27° 3 | 9°35 | 24°14 | 5°31 | 16°25 | 13°30 | 10°20 | 11° 2 | 9°47 | 26°45 | T 11 |
| F 12 | 21 47 41 | 25°15'46 | 13♌41 | 1♍48 | 23°35 | 27°38 | 9°27 | 24°16 | 5°35 | 16°26 | 13°30 | 10°18 | 10°59 | 9°54 | 26°42 | F 12 |
| S 13 | 21 51 37 | 26°13'53 | 27°36 | 3°38 | 24°48 | 28°13 | 9°20 | 24°18 | 5°38 | 16°28 | 13°30 | 10°17 | 10°56 | 10° 0 | 26°40 | S 13 |
| S 14 | 21 55 34 | 27°12'02 | 11♍13 | 5°26 | 26° 1 | 28°48 | 9°12 | 24°20 | 5°41 | 16°29 | 13°29 | 10°D17 | 10°52 | 10° 7 | 26°37 | S 14 |
| M15 | 21 59 30 | 28°10'12 | 24°31 | 7°14 | 27°14 | 29°23 | 9° 4 | 24°22 | 5°44 | 16°31 | 13°29 | 10°17 | 10°49 | 10°14 | 26°34 | M15 |
| T 16 | 22 3 27 | 29° 8'23 | 7♎27 | 9° 0 | 28°27 | 29°58 | 8°57 | 24°25 | 5°47 | 16°33 | 13°29 | 10°18 | 10°46 | 10°20 | 26°31 | T 16 |
| W17 | 22 7 24 | 0♍ 6'37 | 20° 5 | 10°45 | 29°40 | 0♐34 | 8°49 | 24°27 | 5°50 | 16°34 | 13°29 | 10°19 | 10°43 | 10°27 | 26°28 | W17 |
| T 18 | 22 11 20 | 1° 4'52 | 2♏26 | 12°28 | 0♎53 | 1°10 | 8°41 | 24°30 | 5°54 | 16°36 | 13°29 | 10°20 | 10°40 | 10°34 | 26°25 | T 18 |
| F 19 | 22 15 17 | 2° 3'08 | 14°34 | 14°11 | 2° 6 | 1°46 | 8°33 | 24°32 | 5°57 | 16°38 | 13°28 | 10°21 | 10°37 | 10°41 | 26°22 | F 19 |
| S 20 | 22 19 13 | 3° 1'27 | 26°33 | 15°52 | 3°18 | 2°23 | 8°25 | 24°35 | 6° 0 | 16°39 | 13°28 | 10°21 | 10°33 | 10°47 | 26°19 | S 20 |
| S 21 | 22 23 10 | 3°59'46 | 8♐26 | 17°33 | 4°31 | 3° 0 | 8°17 | 24°38 | 6° 4 | 16°41 | 13°28 | 10°R21 | 10°30 | 10°54 | 26°16 | S 21 |
| M22 | 22 27 6 | 4°58'08 | 20°20 | 19°12 | 5°44 | 3°36 | 8° 9 | 24°41 | 6° 7 | 16°43 | 13°28 | 10°21 | 10°27 | 11° 1 | 26°13 | M22 |
| T 23 | 22 31 3 | 5°56'31 | 2♑19 | 20°50 | 6°57 | 4°13 | 8° 2 | 24°43 | 6°10 | 16°45 | 13°27 | 10°20 | 10°24 | 11° 8 | 26°10 | T 23 |
| W24 | 22 34 59 | 6°54'56 | 14°25 | 22°27 | 8°10 | 4°51 | 7°54 | 24°46 | 6°14 | 16°46 | 13°27 | 10°20 | 10°21 | 11°14 | 26° 7 | W24 |
| T 25 | 22 38 56 | 7°53'22 | 26°45 | 24° 3 | 9°22 | 5°28 | 7°46 | 24°50 | 6°17 | 16°48 | 13°27 | 10°19 | 10°17 | 11°21 | 26° 4 | T 25 |
| F 26 | 22 42 53 | 8°51'50 | 9♒19 | 25°37 | 10°35 | 6° 6 | 7°38 | 24°53 | 6°20 | 16°50 | 13°26 | 10°19 | 10°14 | 11°28 | 26° 2 | F 26 |
| S 27 | 22 46 49 | 9°50'20 | 22°10 | 27°11 | 11°48 | 6°44 | 7°30 | 24°56 | 6°24 | 16°52 | 13°26 | 10°19 | 10°11 | 11°34 | 25°59 | S 27 |
| S 28 | 22 50 46 | 10°48'52 | 5♓18 | 28°43 | 13° 0 | 7°22 | 7°22 | 24°59 | 6°27 | 16°54 | 13°25 | 10°19 | 10° 8 | 11°41 | 25°56 | S 28 |
| M29 | 22 54 42 | 11°47'25 | 18°44 | 0♎15 | 14°13 | 8° 0 | 7°14 | 25° 3 | 6°31 | 16°56 | 13°25 | 10°19 | 10° 5 | 11°48 | 25°53 | M29 |
| T 30 | 22 58 39 | 12°46'01 | 2♈26 | 1°45 | 15°25 | 8°38 | 7° 6 | 25° 6 | 6°34 | 16°58 | 13°24 | 10°19 | 10° 2 | 11°55 | 25°50 | T 30 |
| W31 | 23 2 35 | 13♍44'39 | 16♈20 | 3♎15 | 16♎38 | 9♐17 | 6♓58 | 25♏10 | 6♎38 | 17♎ 0 | 13♉24 | 10♓19 | 9♓58 | 12♐ 1 | 25♒48 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n31 | 8s 7 | 0s 5 | 19n21 | 1n42 | 8n59 | 1n17 | 20s34 | 2s25 | 8s57 | 1s30 | 17s 4 | 1n52 | 1s25 | 0n40 | 4s46 | 1n46 | 2n10 | 14s27 | 7s43 | 7s16 | 26s56 | 6s46 | 6n 6 |
| T 2 | 16 14 | 1 51 | 1n 8 | 18 49 | 1 44 | 8 29 | 1 16 | 20 43 | 2 25 | 9 0 | 1 30 | 17 4 | 1 51 | 1 26 | 0 40 | 4 46 | 1 46 | 2 9 | 14 27 | 7 43 | 7 17 | 26 57 | 6 47 | 6 6 |
| W 3 | 15 57 | 4n35 | 2 17 | 18 16 | 1 46 | 8 0 | 1 14 | 20 51 | 2 26 | 9 3 | 1 30 | 17 4 | 1 51 | 1 27 | 0 39 | 4 47 | 1 46 | 2 9 | 14 27 | 7 42 | 7 18 | 26 58 | 6 48 | 6 6 |
| T 4 | 15 39 | 10 55 | 3 20 | 17 40 | 1 46 | 7 30 | 1 13 | 21 0 | 2 26 | 9 5 | 1 30 | 17 5 | 1 51 | 1 28 | 0 39 | 4 47 | 1 46 | 2 9 | 14 28 | 7 42 | 7 19 | 26 59 | 6 48 | 6 6 |
| F 5 | 15 21 | 16 48 | 4 13 | 17 4 | 1 46 | 7 0 | 1 11 | 21 8 | 2 26 | 9 8 | 1 30 | 17 6 | 1 51 | 1 29 | 0 39 | 4 48 | 1 46 | 2 9 | 14 28 | 7 41 | 7 21 | 27 0 | 6 49 | 6 6 |
| S 6 | 15 3 | 21 52 | 4 51 | 16 26 | 1 46 | 6 30 | 1 9 | 21 16 | 2 26 | 9 11 | 1 31 | 17 6 | 1 50 | 1 30 | 0 39 | 4 49 | 1 46 | 2 8 | 14 28 | 7 41 | 7 22 | 27 1 | 6 50 | 6 6 |
| S 7 | 14 45 | 25 45 | 5 11 | 15 47 | 1 44 | 6 0 | 1 7 | 21 25 | 2 26 | 9 14 | 1 31 | 17 7 | 1 50 | 1 31 | 0 39 | 4 49 | 1 46 | 2 8 | 14 28 | 7 41 | 7 23 | 27 2 | 6 51 | 6 6 |
| M 8 | 14 26 | 28 3 | 5 13 | 15 6 | 1 43 | 5 29 | 1 5 | 21 33 | 2 26 | 9 17 | 1 31 | 17 7 | 1 50 | 1 33 | 0 39 | 4 50 | 1 46 | 2 8 | 14 29 | 7 41 | 7 24 | 27 3 | 6 52 | 6 6 |
| T 9 | 14 8 | 28 28 | 4 55 | 14 25 | 1 40 | 4 59 | 1 4 | 21 41 | 2 26 | 9 20 | 1 31 | 17 8 | 1 50 | 1 34 | 0 39 | 4 50 | 1 46 | 2 8 | 14 29 | 7 42 | 7 25 | 27 4 | 6 53 | 6 6 |
| W10 | 13 48 | 26 58 | 4 19 | 13 43 | 1 37 | 4 28 | 1 2 | 21 49 | 2 26 | 9 23 | 1 31 | 17 9 | 1 50 | 1 35 | 0 39 | 4 51 | 1 45 | 2 7 | 14 29 | 7 43 | 7 27 | 27 5 | 6 54 | 6 6 |
| T 11 | 13 29 | 23 42 | 3 26 | 13 1 | 1 34 | 3 57 | 0 59 | 21 57 | 2 25 | 9 26 | 1 31 | 17 9 | 1 49 | 1 36 | 0 39 | 4 52 | 1 45 | 2 7 | 14 29 | 7 44 | 7 28 | 27 6 | 6 55 | 6 6 |
| F 12 | 13 10 | 19 3 | 2 22 | 12 17 | 1 30 | 3 26 | 0 57 | 22 5 | 2 25 | 9 28 | 1 32 | 17 10 | 1 49 | 1 38 | 0 39 | 4 52 | 1 45 | 2 7 | 14 30 | 7 44 | 7 29 | 27 8 | 6 56 | 6 6 |
| S 13 | 12 50 | 13 27 | 1 9 | 11 34 | 1 26 | 2 55 | 0 55 | 22 13 | 2 25 | 9 31 | 1 32 | 17 11 | 1 49 | 1 39 | 0 39 | 4 53 | 1 45 | 2 6 | 14 30 | 7 45 | 7 30 | 27 9 | 6 57 | 6 5 |
| S 14 | 12 30 | 7 19 | 0s 5 | 10 50 | 1 22 | 2 24 | 0 53 | 22 21 | 2 25 | 9 35 | 1 32 | 17 11 | 1 49 | 1 40 | 0 39 | 4 54 | 1 45 | 2 6 | 14 30 | 7 45 | 7 31 | 27 10 | 6 58 | 6 5 |
| M15 | 12 10 | 1 0 | 1 18 | 10 5 | 1 17 | 1 53 | 0 51 | 22 28 | 2 25 | 9 38 | 1 32 | 17 12 | 1 48 | 1 41 | 0 39 | 4 54 | 1 45 | 2 6 | 14 31 | 7 45 | 7 33 | 27 11 | 6 59 | 6 5 |
| T 16 | 11 50 | 5s11 | 2 25 | 9 20 | 1 11 | 1 21 | 0 48 | 22 36 | 2 25 | 9 41 | 1 32 | 17 13 | 1 48 | 1 43 | 0 39 | 4 55 | 1 45 | 2 6 | 14 31 | 7 45 | 7 34 | 27 12 | 7 1 | 6 5 |
| W17 | 11 29 | 11 1 | 3 23 | 8 35 | 1 6 | 0 50 | 0 46 | 22 44 | 2 25 | 9 44 | 1 32 | 17 14 | 1 48 | 1 44 | 0 39 | 4 56 | 1 45 | 2 5 | 14 31 | 7 44 | 7 35 | 27 13 | 7 2 | 6 5 |
| T 18 | 11 9 | 16 17 | 4 10 | 7 50 | 1 0 | 0 19 | 0 43 | 22 51 | 2 25 | 9 47 | 1 32 | 17 15 | 1 48 | 1 45 | 0 39 | 4 56 | 1 45 | 2 5 | 14 31 | 7 44 | 7 36 | 27 14 | 7 3 | 6 5 |
| F 19 | 10 48 | 20 49 | 4 45 | 7 5 | 0 54 | 0s13 | 0 41 | 22 58 | 2 24 | 9 50 | 1 32 | 17 15 | 1 47 | 1 47 | 0 39 | 4 57 | 1 45 | 2 5 | 14 32 | 7 44 | 7 37 | 27 15 | 7 4 | 6 5 |
| S 20 | 10 27 | 24 27 | 5 8 | 6 20 | 0 48 | 0 44 | 0 38 | 23 6 | 2 24 | 9 53 | 1 33 | 17 16 | 1 47 | 1 48 | 0 39 | 4 58 | 1 45 | 2 4 | 14 32 | 7 43 | 7 39 | 27 16 | 7 5 | 6 5 |
| S 21 | 10 5 | 27 1 | 5 16 | 5 35 | 0 41 | 1 16 | 0 36 | 23 13 | 2 24 | 9 56 | 1 33 | 17 17 | 1 47 | 1 49 | 0 39 | 4 58 | 1 45 | 2 4 | 14 32 | 7 43 | 7 40 | 27 17 | 7 6 | 6 5 |
| M22 | 9 44 | 28 23 | 5 12 | 4 50 | 0 35 | 1 47 | 0 33 | 23 20 | 2 24 | 9 59 | 1 33 | 17 18 | 1 47 | 1 51 | 0 39 | 4 59 | 1 45 | 2 4 | 14 32 | 7 43 | 7 41 | 27 18 | 7 7 | 6 5 |
| T 23 | 9 23 | 28 26 | 4 54 | 4 5 | 0 28 | 2 18 | 0 30 | 23 26 | 2 24 | 10 2 | 1 33 | 17 19 | 1 47 | 1 52 | 0 39 | 5 0 | 1 45 | 2 3 | 14 33 | 7 44 | 7 42 | 27 19 | 7 8 | 6 5 |
| W24 | 9 1 | 27 7 | 4 22 | 3 20 | 0 21 | 2 50 | 0 28 | 23 33 | 2 23 | 10 5 | 1 33 | 17 20 | 1 46 | 1 53 | 0 39 | 5 0 | 1 45 | 2 3 | 14 33 | 7 44 | 7 43 | 27 20 | 7 9 | 6 5 |
| T 25 | 8 39 | 24 29 | 3 39 | 2 35 | 0 14 | 3 21 | 0 25 | 23 40 | 2 23 | 10 8 | 1 33 | 17 21 | 1 46 | 1 55 | 0 39 | 5 1 | 1 45 | 2 3 | 14 33 | 7 44 | 7 45 | 27 21 | 7 10 | 6 4 |
| F 26 | 8 17 | 20 38 | 2 43 | 1 51 | 0 7 | 3 52 | 0 22 | 23 46 | 2 23 | 10 11 | 1 33 | 17 22 | 1 46 | 1 56 | 0 39 | 5 2 | 1 45 | 2 2 | 14 33 | 7 44 | 7 46 | 27 21 | 7 11 | 6 4 |
| S 27 | 7 55 | 15 45 | 1 39 | 1 7 | 0s 1 | 4 24 | 0 19 | 23 53 | 2 22 | 10 14 | 1 33 | 17 23 | 1 46 | 1 57 | 0 39 | 5 3 | 1 45 | 2 2 | 14 34 | 7 44 | 7 47 | 27 22 | 7 12 | 6 4 |
| S 28 | 7 33 | 10 2 | 0 28 | 0 23 | 0 8 | 4 55 | 0 16 | 23 59 | 2 22 | 10 17 | 1 33 | 17 24 | 1 45 | 1 59 | 0 39 | 5 3 | 1 45 | 2 2 | 14 34 | 7 44 | 7 48 | 27 23 | 7 13 | 6 4 |
| M29 | 7 10 | 3 46 | 0n46 | 0s20 | 0 16 | 5 26 | 0 13 | 24 5 | 2 22 | 10 20 | 1 33 | 17 25 | 1 45 | 2 0 | 0 39 | 5 4 | 1 45 | 2 1 | 14 34 | 7 44 | 7 50 | 27 24 | 7 14 | 6 4 |
| T 30 | 6 48 | 2n48 | 1 59 | 1 4 | 0 23 | 5 57 | 0 10 | 24 11 | 2 21 | 10 23 | 1 33 | 17 26 | 1 45 | 2 2 | 0 39 | 5 5 | 1 45 | 2 1 | 14 34 | 7 44 | 7 51 | 27 25 | 7 15 | 6 4 |
| W31 | 6n25 | 9n19 | 3n 7 | 1s46 | 0s31 | 6s28 | 0n 7 | 24s16 | 2s21 | 10s26 | 1s33 | 17s27 | 1n45 | 2s 3 | 0n39 | 5s 6 | 1n45 | 2n 0 | 14s35 | 7s44 | 7s52 | 27s26 | 7s16 | 6n 4 |

Julian Day Number = 2134733.5, Delta T = 16m05s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'49, Lahiri = 11°45'50 Julian Calendar 1 Aug. 1132 == Greg. Calendar 8 Aug. 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## SEPTEMBER 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 6 32 | 14♍43'18 | 0♉25 | 4♎43 | 17♎51 | 9♐56 | 6°R50 | 25♏14 | 6♎42 | 17♎ 1 | 13°R23 | 10°R18 | 9♓55 | 12♐ 8 | 25°R45 | T 1 |
| F 2 | 23 10 28 | 15°42'01 | 14°36 | 6°10 | 19° 3 | 10°34 | 6♓42 | 25°17 | 6°45 | 17° 3 | 13♉23 | 10♓18 | 9°52 | 12°15 | 25♒42 | F 2 |
| S 3 | 23 14 25 | 16°40'45 | 28°51 | 7°37 | 20°16 | 11°14 | 6°35 | 25°21 | 6°49 | 17° 5 | 13°22 | 10°17 | 9°49 | 12°22 | 25°39 | S 3 |
| S 4 | 23 18 22 | 17°39'32 | 13♊ 6 | 9° 2 | 21°28 | 11°53 | 6°27 | 25°25 | 6°52 | 17° 7 | 13°22 | 10°D17 | 9°46 | 12°28 | 25°37 | S 4 |
| M 5 | 23 22 18 | 18°38'21 | 27°18 | 10°26 | 22°40 | 12°32 | 6°19 | 25°29 | 6°56 | 17° 9 | 13°21 | 10°17 | 9°43 | 12°35 | 25°34 | M 5 |
| T 6 | 23 26 15 | 19°37'13 | 11♋26 | 11°49 | 23°53 | 13°12 | 6°12 | 25°33 | 7° 0 | 17°11 | 13°21 | 10°18 | 9°39 | 12°42 | 25°31 | T 6 |
| W 7 | 23 30 11 | 20°36'07 | 25°27 | 13°10 | 25° 5 | 13°51 | 6° 4 | 25°38 | 7° 3 | 17°14 | 13°20 | 10°18 | 9°36 | 12°48 | 25°29 | W 7 |
| T 8 | 23 34 8 | 21°35'03 | 9♌19 | 14°31 | 26°17 | 14°31 | 5°57 | 25°42 | 7° 7 | 17°16 | 13°19 | 10°19 | 9°33 | 12°55 | 25°26 | T 8 |
| F 9 | 23 38 4 | 22°34'01 | 23° 0 | 15°50 | 27°30 | 15°11 | 5°49 | 25°46 | 7°11 | 17°18 | 13°19 | 10°20 | 9°30 | 13° 2 | 25°24 | F 9 |
| S 10 | 23 42 1 | 23°33'02 | 6♍30 | 17° 8 | 28°42 | 15°52 | 5°42 | 25°50 | 7°14 | 17°20 | 13°18 | 10°R21 | 9°27 | 13° 9 | 25°21 | S 10 |
| S 11 | 23 45 57 | 24°32'05 | 19°45 | 18°24 | 29°54 | 16°32 | 5°35 | 25°55 | 7°18 | 17°22 | 13°18 | 10°20 | 9°23 | 13°15 | 25°19 | S 11 |
| M12 | 23 49 54 | 25°31'09 | 2♎46 | 19°39 | 1♏ 6 | 17°12 | 5°28 | 25°59 | 7°22 | 17°24 | 13°17 | 10°19 | 9°20 | 13°22 | 25°16 | M12 |
| T 13 | 23 53 50 | 26°30'16 | 15°33 | 20°53 | 2°19 | 17°53 | 5°21 | 26° 4 | 7°25 | 17°26 | 13°16 | 10°18 | 9°17 | 13°29 | 25°14 | T 13 |
| W14 | 23 57 47 | 27°29'25 | 28° 4 | 22° 5 | 3°31 | 18°34 | 5°14 | 26° 9 | 7°29 | 17°28 | 13°15 | 10°15 | 9°14 | 13°35 | 25°12 | W14 |
| T 15 | 0 1 44 | 28°28'36 | 10♏22 | 23°15 | 4°43 | 19°15 | 5° 7 | 26°13 | 7°33 | 17°30 | 13°15 | 10°12 | 9°11 | 13°42 | 25° 9 | T 15 |
| F 16 | 0 5 40 | 29°27'48 | 22°28 | 24°23 | 5°55 | 19°56 | 5° 1 | 26°18 | 7°37 | 17°32 | 13°14 | 10°10 | 9° 8 | 13°49 | 25° 7 | F 16 |
| S 17 | 0 9 37 | 0♎27'03 | 4♐26 | 25°30 | 7° 7 | 20°37 | 4°54 | 26°23 | 7°40 | 17°35 | 13°13 | 10° 7 | 9° 4 | 13°56 | 25° 5 | S 17 |
| S 18 | 0 13 33 | 1°26'20 | 16°19 | 26°34 | 8°19 | 21°18 | 4°48 | 26°28 | 7°44 | 17°37 | 13°12 | 10° 5 | 9° 1 | 14° 2 | 25° 3 | S 18 |
| M19 | 0 17 30 | 2°25'38 | 28°12 | 27°36 | 9°31 | 22° 0 | 4°42 | 26°33 | 7°48 | 17°39 | 13°11 | 10°D 4 | 8°58 | 14° 9 | 25° 0 | M19 |
| T 20 | 0 21 26 | 3°24'58 | 10♑ 9 | 28°35 | 10°43 | 22°41 | 4°36 | 26°38 | 7°52 | 17°41 | 13°11 | 10° 4 | 8°55 | 14°16 | 24°58 | T 20 |
| W21 | 0 25 23 | 4°24'20 | 22°14 | 29°31 | 11°55 | 23°23 | 4°30 | 26°43 | 7°55 | 17°43 | 13°10 | 10° 5 | 8°52 | 14°23 | 24°56 | W21 |
| T 22 | 0 29 19 | 5°23'44 | 4♒33 | 0♏25 | 13° 7 | 24° 5 | 4°24 | 26°49 | 7°59 | 17°46 | 13° 9 | 10° 7 | 8°49 | 14°29 | 24°54 | T 22 |
| F 23 | 0 33 16 | 6°23'10 | 17°10 | 1°15 | 14°18 | 24°46 | 4°18 | 26°54 | 8° 3 | 17°48 | 13° 8 | 10° 9 | 8°45 | 14°36 | 24°52 | F 23 |
| S 24 | 0 37 13 | 7°22'37 | 0♓ 8 | 2° 1 | 15°30 | 25°28 | 4°13 | 26°59 | 8° 7 | 17°50 | 13° 7 | 10°10 | 8°42 | 14°43 | 24°50 | S 24 |
| S 25 | 0 41 9 | 8°22'06 | 13°29 | 2°43 | 16°42 | 26°11 | 4° 7 | 27° 5 | 8°11 | 17°52 | 13° 6 | 10°R10 | 8°39 | 14°49 | 24°48 | S 25 |
| M26 | 0 45 6 | 9°21'37 | 27°13 | 3°21 | 17°53 | 26°53 | 4° 2 | 27°10 | 8°14 | 17°54 | 13° 5 | 10° 9 | 8°36 | 14°56 | 24°46 | M26 |
| T 27 | 0 49 2 | 10°21'11 | 11♈18 | 3°54 | 19° 5 | 27°35 | 3°57 | 27°16 | 8°18 | 17°57 | 13° 5 | 10° 7 | 8°33 | 15° 3 | 24°45 | T 27 |
| W28 | 0 52 59 | 11°20'46 | 25°41 | 4°22 | 20°17 | 28°18 | 3°52 | 27°21 | 8°22 | 17°59 | 13° 4 | 10° 3 | 8°29 | 15°10 | 24°43 | W28 |
| T 29 | 0 56 55 | 12°20'23 | 10♉15 | 4°44 | 21°28 | 29° 0 | 3°48 | 27°27 | 8°26 | 18° 1 | 13° 3 | 9°58 | 8°26 | 15°16 | 24°41 | T 29 |
| F 30 | 1 0 52 | 13♎20'03 | 24♉54 | 4♏59 | 22♏40 | 29♐43 | 3♓43 | 27♏32 | 8♎29 | 18♎ 3 | 13♉ 2 | 9♓53 | 8♓23 | 15♐23 | 24♒39 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n 3 | 15n28 | 4n 3 | 2s29 | 0s39 | 6s58 | 0n 4 | 24s22 | 2s21 | 10s29 | 1s33 | 17s28 | 1n45 | 2s 5 | 0n39 | 5s 6 | 1n45 | 2n 0 | 14s35 | 7s44 | 7s53 | 27s27 | 7s18 | 6n 3 |
| F 2 | 5 40 | 20 50 | 4 45 | 3 10 | 0 46 | 7 29 | 0 1 | 24 27 | 2 20 | 10 32 | 1 33 | 17 29 | 1 44 | 2 6 | 0 39 | 5 7 | 1 45 | 2 0 | 14 35 | 7 45 | 7 54 | 27 28 | 7 19 | 6 3 |
| S 3 | 5 17 | 25 2 | 5 10 | 3 52 | 0 54 | 7 59 | 0s 2 | 24 33 | 2 20 | 10 35 | 1 33 | 17 30 | 1 44 | 2 7 | 0 39 | 5 8 | 1 45 | 1 59 | 14 35 | 7 45 | 7 56 | 27 29 | 7 20 | 6 3 |
| S 4 | 4 54 | 27 42 | 5 16 | 4 32 | 1 2 | 8 30 | 0 5 | 24 38 | 2 20 | 10 38 | 1 33 | 17 32 | 1 44 | 2 9 | 0 39 | 5 9 | 1 45 | 1 59 | 14 36 | 7 45 | 7 57 | 27 30 | 7 21 | 6 3 |
| M 5 | 4 31 | 28 34 | 5 3 | 5 13 | 1 9 | 9 0 | 0 9 | 24 43 | 2 19 | 10 41 | 1 33 | 17 33 | 1 44 | 2 10 | 0 39 | 5 10 | 1 45 | 1 59 | 14 36 | 7 45 | 7 58 | 27 30 | 7 22 | 6 3 |
| T 6 | 4 8 | 27 34 | 4 31 | 5 52 | 1 17 | 9 30 | 0 12 | 24 47 | 2 19 | 10 43 | 1 33 | 17 34 | 1 44 | 2 12 | 0 39 | 5 10 | 1 45 | 1 58 | 14 36 | 7 45 | 7 59 | 27 31 | 7 23 | 6 3 |
| W 7 | 3 44 | 24 49 | 3 44 | 6 31 | 1 25 | 9 59 | 0 15 | 24 52 | 2 18 | 10 46 | 1 33 | 17 35 | 1 43 | 2 13 | 0 39 | 5 11 | 1 45 | 1 58 | 14 36 | 7 44 | 8 0 | 27 32 | 7 24 | 6 2 |
| T 8 | 3 21 | 20 38 | 2 43 | 7 10 | 1 32 | 10 29 | 0 18 | 24 56 | 2 18 | 10 49 | 1 33 | 17 36 | 1 43 | 2 15 | 0 39 | 5 12 | 1 45 | 1 57 | 14 36 | 7 44 | 8 2 | 27 33 | 7 25 | 6 2 |
| F 9 | 2 58 | 15 24 | 1 34 | 7 47 | 1 40 | 10 58 | 0 22 | 25 0 | 2 18 | 10 52 | 1 33 | 17 38 | 1 43 | 2 16 | 0 39 | 5 13 | 1 44 | 1 57 | 14 37 | 7 44 | 8 3 | 27 34 | 7 26 | 6 2 |
| S 10 | 2 34 | 9 30 | 0 21 | 8 24 | 1 47 | 11 27 | 0 25 | 25 4 | 2 17 | 10 54 | 1 33 | 17 39 | 1 43 | 2 18 | 0 39 | 5 14 | 1 44 | 1 57 | 14 37 | 7 44 | 8 4 | 27 35 | 7 27 | 6 2 |
| S 11 | 2 11 | 3 17 | 0s52 | 9 1 | 1 54 | 11 56 | 0 28 | 25 8 | 2 17 | 10 57 | 1 33 | 17 40 | 1 43 | 2 19 | 0 39 | 5 15 | 1 44 | 1 56 | 14 37 | 7 44 | 8 5 | 27 35 | 7 28 | 6 1 |
| M12 | 1 47 | 2s57 | 2 1 | 9 36 | 2 1 | 12 24 | 0 31 | 25 12 | 2 16 | 10 59 | 1 33 | 17 41 | 1 42 | 2 21 | 0 39 | 5 15 | 1 44 | 1 56 | 14 37 | 7 44 | 8 6 | 27 36 | 7 29 | 6 1 |
| T 13 | 1 24 | 8 57 | 3 2 | 10 10 | 2 8 | 12 53 | 0 35 | 25 15 | 2 16 | 11 2 | 1 33 | 17 43 | 1 42 | 2 22 | 0 39 | 5 16 | 1 44 | 1 56 | 14 37 | 7 45 | 8 8 | 27 37 | 7 30 | 6 1 |
| W14 | 1 0 | 14 28 | 3 54 | 10 44 | 2 15 | 13 21 | 0 38 | 25 18 | 2 15 | 11 4 | 1 33 | 17 44 | 1 42 | 2 24 | 0 39 | 5 17 | 1 44 | 1 55 | 14 38 | 7 46 | 8 9 | 27 38 | 7 31 | 6 1 |
| T 15 | 0 37 | 19 19 | 4 33 | 11 16 | 2 22 | 13 48 | 0 41 | 25 21 | 2 15 | 11 7 | 1 33 | 17 45 | 1 42 | 2 25 | 0 39 | 5 18 | 1 44 | 1 55 | 14 38 | 7 47 | 8 10 | 27 39 | 7 32 | 6 0 |
| F 16 | 0 13 | 23 18 | 5 0 | 11 48 | 2 28 | 14 16 | 0 45 | 25 24 | 2 14 | 11 9 | 1 33 | 17 46 | 1 42 | 2 27 | 0 39 | 5 19 | 1 44 | 1 54 | 14 38 | 7 48 | 8 11 | 27 39 | 7 33 | 6 0 |
| S 17 | 0s11 | 26 15 | 5 13 | 12 18 | 2 35 | 14 43 | 0 48 | 25 27 | 2 14 | 11 11 | 1 32 | 17 48 | 1 41 | 2 28 | 0 39 | 5 19 | 1 44 | 1 54 | 14 38 | 7 49 | 8 12 | 27 40 | 7 34 | 6 0 |
| S 18 | 0 35 | 28 2 | 5 13 | 12 47 | 2 40 | 15 9 | 0 51 | 25 29 | 2 13 | 11 14 | 1 32 | 17 49 | 1 41 | 2 30 | 0 39 | 5 20 | 1 44 | 1 54 | 14 38 | 7 49 | 8 14 | 27 41 | 7 35 | 6 0 |
| M19 | 0 58 | 28 31 | 4 59 | 13 15 | 2 46 | 15 36 | 0 55 | 25 31 | 2 13 | 11 16 | 1 32 | 17 50 | 1 41 | 2 31 | 0 39 | 5 21 | 1 44 | 1 53 | 14 39 | 7 50 | 8 15 | 27 42 | 7 36 | 5 59 |
| T 20 | 1 22 | 27 41 | 4 32 | 13 41 | 2 51 | 16 2 | 0 58 | 25 33 | 2 12 | 11 18 | 1 32 | 17 52 | 1 41 | 2 33 | 0 39 | 5 22 | 1 44 | 1 53 | 14 39 | 7 50 | 8 16 | 27 42 | 7 37 | 5 59 |
| W21 | 1 46 | 25 33 | 3 53 | 14 6 | 2 56 | 16 27 | 1 1 | 25 35 | 2 11 | 11 20 | 1 32 | 17 53 | 1 41 | 2 34 | 0 39 | 5 23 | 1 44 | 1 52 | 14 39 | 7 49 | 8 17 | 27 43 | 7 38 | 5 59 |
| T 22 | 2 9 | 22 11 | 3 3 | 14 29 | 3 1 | 16 53 | 1 5 | 25 36 | 2 11 | 11 22 | 1 32 | 17 54 | 1 41 | 2 36 | 0 39 | 5 24 | 1 44 | 1 52 | 14 39 | 7 49 | 8 18 | 27 44 | 7 39 | 5 59 |
| F 23 | 2 33 | 17 43 | 2 3 | 14 51 | 3 5 | 17 17 | 1 8 | 25 37 | 2 10 | 11 24 | 1 32 | 17 56 | 1 40 | 2 37 | 0 39 | 5 25 | 1 44 | 1 52 | 14 39 | 7 48 | 8 20 | 27 45 | 7 40 | 5 58 |
| S 24 | 2 56 | 12 20 | 0 55 | 15 10 | 3 8 | 17 42 | 1 11 | 25 38 | 2 10 | 11 26 | 1 32 | 17 57 | 1 40 | 2 39 | 0 39 | 5 25 | 1 44 | 1 51 | 14 39 | 7 48 | 8 21 | 27 45 | 7 41 | 5 58 |
| S 25 | 3 20 | 6 15 | 0n18 | 15 28 | 3 11 | 18 6 | 1 14 | 25 39 | 2 9 | 11 28 | 1 31 | 17 59 | 1 40 | 2 40 | 0 39 | 5 26 | 1 44 | 1 51 | 14 39 | 7 47 | 8 22 | 27 46 | 7 42 | 5 58 |
| M26 | 3 44 | 0n17 | 1 32 | 15 43 | 3 13 | 18 29 | 1 18 | 25 39 | 2 8 | 11 29 | 1 31 | 18 0 | 1 40 | 2 42 | 0 39 | 5 27 | 1 44 | 1 50 | 14 40 | 7 48 | 8 23 | 27 47 | 7 43 | 5 57 |
| T 27 | 4 7 | 6 58 | 2 42 | 15 55 | 3 14 | 18 52 | 1 21 | 25 40 | 2 8 | 11 31 | 1 31 | 18 1 | 1 40 | 2 43 | 0 39 | 5 28 | 1 44 | 1 50 | 14 40 | 7 49 | 8 24 | 27 47 | 7 43 | 5 57 |
| W28 | 4 31 | 13 26 | 3 43 | 16 6 | 3 15 | 19 15 | 1 24 | 25 40 | 2 7 | 11 33 | 1 31 | 18 3 | 1 40 | 2 45 | 0 39 | 5 29 | 1 44 | 1 50 | 14 40 | 7 50 | 8 26 | 27 48 | 7 44 | 5 57 |
| T 29 | 4 54 | 19 14 | 4 31 | 16 13 | 3 15 | 19 37 | 1 27 | 25 40 | 2 7 | 11 34 | 1 31 | 18 4 | 1 39 | 2 46 | 0 39 | 5 30 | 1 44 | 1 49 | 14 40 | 7 52 | 8 27 | 27 49 | 7 45 | 5 56 |
| F 30 | 5s17 | 23n56 | 5n 1 | 16s17 | 3s13 | 19s59 | 1s30 | 25s39 | 2s 6 | 11s36 | 1s31 | 18s 6 | 1n39 | 2s48 | 0n39 | 5s31 | 1n44 | 1n49 | 14s40 | 7s54 | 8s28 | 27s49 | 7s46 | 5n56 |

Julian Day Number = 2134764.5, Delta T = 16m05s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'53, Lahiri = 11°45'54 Julian Calendar 1 Sept. 1132 == Greg. Calendar 8 Sept. 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## OCTOBER 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 4 48 | 14♎19'45 | 9♊31 | 5♏ 8 | 23♏51 | 0♑25 | 3°R39 | 27♏38 | 8♎33 | 18♎ 6 | 13°R 1 | 9°R49 | 8♓20 | 15♐30 | 24°R38 | S 1 |
| S 2 | 1 8 45 | 15°19'29 | 23°59 | 5°R 9 | 25° 2 | 1° 8 | 3♓35 | 27°44 | 8°37 | 18° 8 | 13♉ 0 | 9♓45 | 8°17 | 15°36 | 24♒36 | S 2 |
| M 3 | 1 12 42 | 16°19'16 | 8♋16 | 5° 2 | 26°14 | 1°51 | 3°31 | 27°50 | 8°41 | 18°10 | 12°59 | 9°44 | 8°14 | 15°43 | 24°35 | M 3 |
| T 4 | 1 16 38 | 17°19'05 | 22°18 | 4°47 | 27°25 | 2°34 | 3°27 | 27°56 | 8°44 | 18°12 | 12°58 | 9°D44 | 8°10 | 15°50 | 24°33 | T 4 |
| W 5 | 1 20 35 | 18°18'56 | 6♌ 5 | 4°22 | 28°36 | 3°17 | 3°24 | 28° 2 | 8°48 | 18°15 | 12°57 | 9°45 | 8° 7 | 15°57 | 24°32 | W 5 |
| T 6 | 1 24 31 | 19°18'50 | 19°37 | 3°49 | 29°47 | 4° 0 | 3°20 | 28° 8 | 8°52 | 18°17 | 12°56 | 9°46 | 8° 4 | 16° 3 | 24°31 | T 6 |
| F 7 | 1 28 28 | 20°18'45 | 2♍55 | 3° 6 | 0♐58 | 4°44 | 3°17 | 28°14 | 8°56 | 18°19 | 12°55 | 9°47 | 8° 1 | 16°10 | 24°29 | F 7 |
| S 8 | 1 32 24 | 21°18'43 | 15°59 | 2°15 | 2° 9 | 5°27 | 3°14 | 28°20 | 8°59 | 18°21 | 12°54 | 9°R47 | 7°58 | 16°17 | 24°28 | S 8 |
| S 9 | 1 36 21 | 22°18'43 | 28°52 | 1°16 | 3°20 | 6°10 | 3°11 | 28°26 | 9° 3 | 18°23 | 12°53 | 9°45 | 7°54 | 16°24 | 24°27 | S 9 |
| M10 | 1 40 17 | 23°18'45 | 11♎34 | 0° 9 | 4°31 | 6°54 | 3° 9 | 28°32 | 9° 7 | 18°26 | 12°52 | 9°41 | 7°51 | 16°30 | 24°26 | M10 |
| T 11 | 1 44 14 | 24°18'49 | 24° 5 | 28♎57 | 5°42 | 7°37 | 3° 6 | 28°38 | 9°10 | 18°28 | 12°51 | 9°35 | 7°48 | 16°37 | 24°25 | T 11 |
| W12 | 1 48 11 | 25°18'55 | 6♏25 | 27°41 | 6°53 | 8°21 | 3° 4 | 28°45 | 9°14 | 18°30 | 12°50 | 9°27 | 7°45 | 16°44 | 24°24 | W12 |
| T 13 | 1 52 7 | 26°19'03 | 18°36 | 26°23 | 8° 4 | 9° 5 | 3° 2 | 28°51 | 9°18 | 18°32 | 12°48 | 9°18 | 7°42 | 16°50 | 24°23 | T 13 |
| F 14 | 1 56 4 | 27°19'12 | 0♐38 | 25° 6 | 9°14 | 9°49 | 3° 0 | 28°57 | 9°21 | 18°35 | 12°47 | 9° 9 | 7°39 | 16°57 | 24°22 | F 14 |
| S 15 | 2 0 0 | 28°19'24 | 12°34 | 23°52 | 10°25 | 10°33 | 2°59 | 29° 4 | 9°25 | 18°37 | 12°46 | 9° 0 | 7°35 | 17° 4 | 24°21 | S 15 |
| S 16 | 2 3 57 | 29°19'37 | 24°25 | 22°43 | 11°35 | 11°17 | 2°57 | 29°10 | 9°29 | 18°39 | 12°45 | 8°53 | 7°32 | 17°11 | 24°20 | S 16 |
| M17 | 2 7 53 | 0♏19'51 | 6♑16 | 21°42 | 12°46 | 12° 1 | 2°56 | 29°16 | 9°32 | 18°41 | 12°44 | 8°47 | 7°29 | 17°17 | 24°19 | M17 |
| T 18 | 2 11 50 | 1°20'08 | 18° 9 | 20°50 | 13°56 | 12°45 | 2°55 | 29°23 | 9°36 | 18°44 | 12°43 | 8°44 | 7°26 | 17°24 | 24°19 | T 18 |
| W19 | 2 15 46 | 2°20'25 | 0♒11 | 20° 9 | 15° 6 | 13°29 | 2°54 | 29°30 | 9°39 | 18°46 | 12°42 | 8°D43 | 7°23 | 17°31 | 24°18 | W19 |
| T 20 | 2 19 43 | 3°20'45 | 12°26 | 19°39 | 16°16 | 14°13 | 2°54 | 29°36 | 9°43 | 18°48 | 12°41 | 8°43 | 7°20 | 17°37 | 24°18 | T 20 |
| F 21 | 2 23 40 | 4°21'05 | 24°58 | 19°21 | 17°26 | 14°57 | 2°53 | 29°43 | 9°47 | 18°50 | 12°40 | 8°44 | 7°16 | 17°44 | 24°17 | F 21 |
| S 22 | 2 27 36 | 5°21'27 | 7♓54 | 19°D15 | 18°36 | 15°42 | 2°D53 | 29°49 | 9°50 | 18°52 | 12°39 | 8°R45 | 7°13 | 17°51 | 24°17 | S 22 |
| S 23 | 2 31 33 | 6°21'51 | 21°16 | 19°19 | 19°46 | 16°26 | 2°53 | 29°56 | 9°54 | 18°54 | 12°37 | 8°44 | 7°10 | 17°58 | 24°16 | S 23 |
| M24 | 2 35 29 | 7°22'16 | 5♈ 6 | 19°35 | 20°56 | 17°11 | 2°53 | 0♐ 3 | 9°57 | 18°57 | 12°36 | 8°41 | 7° 7 | 18° 4 | 24°16 | M24 |
| T 25 | 2 39 26 | 8°22'42 | 19°24 | 20° 0 | 22° 6 | 17°55 | 2°54 | 0° 9 | 10° 0 | 18°59 | 12°35 | 8°36 | 7° 4 | 18°11 | 24°16 | T 25 |
| W26 | 2 43 22 | 9°23'10 | 4♉ 6 | 20°34 | 23°15 | 18°40 | 2°54 | 0°16 | 10° 4 | 19° 1 | 12°34 | 8°28 | 7° 0 | 18°18 | 24°16 | W26 |
| T 27 | 2 47 19 | 10°23'40 | 19° 4 | 21°16 | 24°25 | 19°24 | 2°55 | 0°23 | 10° 7 | 19° 3 | 12°33 | 8°19 | 6°57 | 18°25 | 24°15 | T 27 |
| F 28 | 2 51 15 | 11°24'11 | 4♊10 | 22° 6 | 25°34 | 20° 9 | 2°56 | 0°30 | 10°11 | 19° 5 | 12°32 | 8° 9 | 6°54 | 18°31 | 24°D15 | F 28 |
| S 29 | 2 55 12 | 12°24'44 | 19°13 | 23° 2 | 26°43 | 20°53 | 2°58 | 0°37 | 10°14 | 19° 7 | 12°31 | 8° 0 | 6°51 | 18°38 | 24°15 | S 29 |
| S 30 | 2 59 9 | 13°25'19 | 4♋ 4 | 24° 3 | 27°52 | 21°38 | 2°59 | 0°43 | 10°17 | 19° 9 | 12°30 | 7°52 | 6°48 | 18°45 | 24°15 | S 30 |
| M31 | 3 3 5 | 14♏25'56 | 18♋36 | 25♎ 9 | 29♐ 1 | 22♑23 | 3♓ 1 | 0♐50 | 10♎21 | 19♎11 | 12♉28 | 7♓47 | 6♓45 | 18♐51 | 24♒16 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s41 | 27n 6 | 5n11 | 16s17 | 3s11 | 20s20 | 1s34 | 25s38 | 2s 5 | 11s37 | 1s30 | 18s 7 | 1n39 | 2s49 | 0n39 | 5s31 | 1n44 | 1n48 | 14s40 | 7s56 | 8s29 | 27s50 | 7s47 | 5n56 |
| S 2 | 6 4 | 28 26 | 5 2 | 16 14 | 3 7 | 20 41 | 1 37 | 25 38 | 2 5 | 11 39 | 1 30 | 18 9 | 1 39 | 2 51 | 0 39 | 5 32 | 1 44 | 1 48 | 14 40 | 7 57 | 8 30 | 27 51 | 7 48 | 5 55 |
| M 3 | 6 27 | 27 51 | 4 34 | 16 7 | 3 2 | 21 1 | 1 40 | 25 36 | 2 4 | 11 40 | 1 30 | 18 10 | 1 39 | 2 52 | 0 39 | 5 33 | 1 44 | 1 48 | 14 41 | 7 57 | 8 31 | 27 51 | 7 48 | 5 55 |
| T 4 | 6 50 | 25 28 | 3 49 | 15 55 | 2 55 | 21 20 | 1 43 | 25 35 | 2 3 | 11 41 | 1 30 | 18 12 | 1 39 | 2 54 | 0 39 | 5 34 | 1 44 | 1 47 | 14 41 | 7 58 | 8 33 | 27 52 | 7 49 | 5 55 |
| W 5 | 7 13 | 21 38 | 2 53 | 15 39 | 2 47 | 21 40 | 1 46 | 25 33 | 2 3 | 11 42 | 1 30 | 18 13 | 1 38 | 2 55 | 0 39 | 5 35 | 1 44 | 1 47 | 14 41 | 7 57 | 8 34 | 27 53 | 7 50 | 5 54 |
| T 6 | 7 36 | 16 42 | 1 47 | 15 19 | 2 37 | 21 58 | 1 49 | 25 31 | 2 2 | 11 43 | 1 30 | 18 14 | 1 38 | 2 56 | 0 39 | 5 36 | 1 44 | 1 47 | 14 41 | 7 57 | 8 35 | 27 53 | 7 51 | 5 54 |
| F 7 | 7 58 | 11 4 | 0 37 | 14 53 | 2 25 | 22 16 | 1 51 | 25 29 | 2 1 | 11 44 | 1 29 | 18 16 | 1 38 | 2 58 | 0 39 | 5 37 | 1 44 | 1 46 | 14 41 | 7 56 | 8 36 | 27 54 | 7 52 | 5 54 |
| S 8 | 8 21 | 5 2 | 0s34 | 14 22 | 2 12 | 22 33 | 1 54 | 25 27 | 2 0 | 11 45 | 1 29 | 18 17 | 1 38 | 2 59 | 0 39 | 5 37 | 1 44 | 1 46 | 14 41 | 7 56 | 8 37 | 27 54 | 7 52 | 5 53 |
| S 9 | 8 44 | 1s 6 | 1 41 | 13 47 | 1 56 | 22 50 | 1 57 | 25 24 | 2 0 | 11 46 | 1 29 | 18 19 | 1 38 | 3 1 | 0 39 | 5 38 | 1 44 | 1 45 | 14 41 | 7 57 | 8 39 | 27 55 | 7 53 | 5 53 |
| M10 | 9 6 | 7 6 | 2 43 | 13 8 | 1 39 | 23 6 | 2 0 | 25 21 | 1 59 | 11 47 | 1 29 | 18 20 | 1 38 | 3 2 | 0 39 | 5 39 | 1 44 | 1 45 | 14 41 | 7 58 | 8 40 | 27 56 | 7 54 | 5 53 |
| T 11 | 9 28 | 12 43 | 3 36 | 12 25 | 1 21 | 23 22 | 2 2 | 25 18 | 1 58 | 11 47 | 1 29 | 18 22 | 1 38 | 3 4 | 0 39 | 5 40 | 1 44 | 1 45 | 14 41 | 8 1 | 8 41 | 27 56 | 7 54 | 5 52 |
| W12 | 9 50 | 17 46 | 4 18 | 11 39 | 1 1 | 23 37 | 2 5 | 25 15 | 1 57 | 11 48 | 1 28 | 18 23 | 1 37 | 3 5 | 0 39 | 5 41 | 1 44 | 1 44 | 14 41 | 8 4 | 8 42 | 27 57 | 7 55 | 5 52 |
| T 13 | 10 12 | 22 2 | 4 47 | 10 52 | 0 41 | 23 51 | 2 8 | 25 11 | 1 57 | 11 49 | 1 28 | 18 25 | 1 37 | 3 7 | 0 39 | 5 42 | 1 44 | 1 44 | 14 41 | 8 7 | 8 43 | 27 57 | 7 56 | 5 52 |
| F 14 | 10 34 | 25 19 | 5 3 | 10 4 | 0 20 | 24 5 | 2 10 | 25 7 | 1 56 | 11 49 | 1 28 | 18 26 | 1 37 | 3 8 | 0 39 | 5 42 | 1 44 | 1 44 | 14 41 | 8 11 | 8 45 | 27 58 | 7 56 | 5 51 |
| S 15 | 10 56 | 27 28 | 5 6 | 9 18 | 0n 0 | 24 18 | 2 12 | 25 3 | 1 55 | 11 49 | 1 28 | 18 28 | 1 37 | 3 10 | 0 39 | 5 43 | 1 44 | 1 43 | 14 42 | 8 14 | 8 46 | 27 58 | 7 57 | 5 51 |
| S 16 | 11 17 | 28 21 | 4 55 | 8 34 | 0 20 | 24 30 | 2 15 | 24 58 | 1 54 | 11 50 | 1 28 | 18 29 | 1 37 | 3 11 | 0 39 | 5 44 | 1 44 | 1 43 | 14 42 | 8 17 | 8 47 | 27 59 | 7 58 | 5 50 |
| M17 | 11 39 | 27 56 | 4 32 | 7 53 | 0 39 | 24 42 | 2 17 | 24 54 | 1 54 | 11 50 | 1 27 | 18 31 | 1 37 | 3 12 | 0 39 | 5 45 | 1 44 | 1 42 | 14 42 | 8 19 | 8 48 | 27 59 | 7 58 | 5 50 |
| T 18 | 12 0 | 26 14 | 3 57 | 7 17 | 0 57 | 24 53 | 2 19 | 24 49 | 1 53 | 11 50 | 1 27 | 18 33 | 1 37 | 3 14 | 0 39 | 5 46 | 1 44 | 1 42 | 14 42 | 8 20 | 8 49 | 28 0 | 7 59 | 5 50 |
| W19 | 12 21 | 23 19 | 3 12 | 6 47 | 1 14 | 25 4 | 2 21 | 24 44 | 1 52 | 11 50 | 1 27 | 18 34 | 1 37 | 3 15 | 0 39 | 5 47 | 1 44 | 1 42 | 14 42 | 8 20 | 8 51 | 28 0 | 7 59 | 5 49 |
| T 20 | 12 41 | 19 20 | 2 16 | 6 22 | 1 28 | 25 13 | 2 24 | 24 38 | 1 51 | 11 50 | 1 27 | 18 36 | 1 36 | 3 17 | 0 39 | 5 47 | 1 44 | 1 41 | 14 42 | 8 20 | 8 52 | 28 1 | 8 0 | 5 49 |
| F 21 | 13 2 | 14 24 | 1 13 | 6 3 | 1 41 | 25 22 | 2 26 | 24 32 | 1 51 | 11 50 | 1 26 | 18 37 | 1 36 | 3 18 | 0 39 | 5 48 | 1 44 | 1 41 | 14 42 | 8 20 | 8 53 | 28 1 | 8 0 | 5 49 |
| S 22 | 13 22 | 8 43 | 0 5 | 5 51 | 1 52 | 25 31 | 2 27 | 24 26 | 1 50 | 11 50 | 1 26 | 18 39 | 1 36 | 3 19 | 0 39 | 5 49 | 1 44 | 1 41 | 14 42 | 8 20 | 8 54 | 28 2 | 8 1 | 5 48 |
| S 23 | 13 42 | 2 28 | 1n 6 | 5 44 | 2 1 | 25 38 | 2 29 | 24 20 | 1 49 | 11 50 | 1 26 | 18 40 | 1 36 | 3 21 | 0 39 | 5 50 | 1 44 | 1 40 | 14 42 | 8 20 | 8 55 | 28 2 | 8 1 | 5 48 |
| M24 | 14 2 | 4n 7 | 2 16 | 5 44 | 2 8 | 25 45 | 2 31 | 24 14 | 1 48 | 11 49 | 1 26 | 18 42 | 1 36 | 3 22 | 0 39 | 5 51 | 1 45 | 1 40 | 14 42 | 8 21 | 8 56 | 28 3 | 8 2 | 5 47 |
| T 25 | 14 22 | 10 42 | 3 19 | 5 48 | 2 13 | 25 51 | 2 33 | 24 7 | 1 47 | 11 49 | 1 25 | 18 43 | 1 36 | 3 23 | 0 39 | 5 51 | 1 45 | 1 40 | 14 42 | 8 23 | 8 58 | 28 3 | 8 2 | 5 47 |
| W26 | 14 41 | 16 52 | 4 11 | 5 57 | 2 17 | 25 57 | 2 34 | 24 0 | 1 46 | 11 49 | 1 25 | 18 45 | 1 36 | 3 25 | 0 39 | 5 52 | 1 45 | 1 39 | 14 42 | 8 26 | 8 59 | 28 4 | 8 3 | 5 47 |
| T 27 | 15 1 | 22 9 | 4 46 | 6 11 | 2 20 | 26 2 | 2 36 | 23 53 | 1 46 | 11 48 | 1 25 | 18 46 | 1 36 | 3 26 | 0 39 | 5 53 | 1 45 | 1 39 | 14 42 | 8 30 | 9 0 | 28 4 | 8 3 | 5 46 |
| F 28 | 15 19 | 26 2 | 5 2 | 6 28 | 2 21 | 26 6 | 2 37 | 23 46 | 1 45 | 11 47 | 1 25 | 18 48 | 1 36 | 3 27 | 0 39 | 5 54 | 1 45 | 1 39 | 14 42 | 8 33 | 9 1 | 28 5 | 8 3 | 5 46 |
| S 29 | 15 38 | 28 3 | 4 57 | 6 49 | 2 21 | 26 9 | 2 38 | 23 38 | 1 44 | 11 47 | 1 25 | 18 49 | 1 35 | 3 29 | 0 39 | 5 55 | 1 45 | 1 39 | 14 42 | 8 37 | 9 2 | 28 5 | 8 4 | 5 46 |
| S 30 | 15 57 | 28 2 | 4 32 | 7 12 | 2 20 | 26 12 | 2 39 | 23 30 | 1 43 | 11 46 | 1 24 | 18 51 | 1 35 | 3 30 | 0 39 | 5 55 | 1 45 | 1 38 | 14 42 | 8 40 | 9 4 | 28 5 | 8 4 | 5 45 |
| M31 | 16s15 | 26n 3 | 3n50 | 7s38 | 2n18 | 26s13 | 2s40 | 23s22 | 1s42 | 11s45 | 1s24 | 18s52 | 1n35 | 3s31 | 0n39 | 5s56 | 1n45 | 1n38 | 14s42 | 8s41 | 9s 5 | 28s 6 | 8s 4 | 5n45 |

Julian Day Number = 2134794.5, Delta T = 16m04s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°38'58, Lahiri = 11°45'58 Julian Calendar 1 Oct. 1132 == Greg. Calendar 8 Oct. 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## NOVEMBER 1132 JC — 00:00 UT

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

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s33 | 22n28 | 2n54 | 8s 6 | 2n16 | 26s15 | 2s41 | 23s14 | 1s41 | 11s44 | 1s24 | 18s54 | 1n35 | 3s33 | 0n39 | 5s57 | 1n45 | 1n38 | 14s42 | 8s42 | 9s 6 | 28s 6 | 8s 5 | 5n44 |
| W 2 | 16 50 | 17 42 | 1 50 | 8 36 | 2 13 | 26 15 | 2 42 | 23 5 | 1 40 | 11 43 | 1 24 | 18 55 | 1 35 | 3 34 | 0 39 | 5 58 | 1 45 | 1 37 | 14 42 | 8 43 | 9 7 | 28 7 | 8 5 | 5 44 |
| T 3 | 17 8 | 12 12 | 0 41 | 9 7 | 2 9 | 26 15 | 2 43 | 22 56 | 1 40 | 11 42 | 1 23 | 18 57 | 1 35 | 3 35 | 0 39 | 5 58 | 1 45 | 1 37 | 14 41 | 8 43 | 9 8 | 28 7 | 8 5 | 5 44 |
| F 4 | 17 25 | 6 16 | 0s28 | 9 39 | 2 4 | 26 14 | 2 44 | 22 47 | 1 39 | 11 41 | 1 23 | 18 58 | 1 35 | 3 36 | 0 39 | 5 59 | 1 45 | 1 37 | 14 41 | 8 43 | 9 9 | 28 7 | 8 6 | 5 43 |
| S 5 | 17 41 | 0 14 | 1 34 | 10 12 | 1 59 | 26 12 | 2 44 | 22 38 | 1 38 | 11 40 | 1 23 | 19 0 | 1 35 | 3 38 | 0 39 | 6 0 | 1 45 | 1 37 | 14 41 | 8 43 | 9 11 | 28 8 | 8 6 | 5 43 |
| S 6 | 17 58 | 5s43 | 2 35 | 10 46 | 1 54 | 26 10 | 2 44 | 22 28 | 1 37 | 11 39 | 1 23 | 19 1 | 1 35 | 3 39 | 0 39 | 6 1 | 1 45 | 1 36 | 14 41 | 8 45 | 9 12 | 28 8 | 8 6 | 5 42 |
| M 7 | 18 14 | 11 21 | 3 27 | 11 20 | 1 48 | 26 7 | 2 45 | 22 18 | 1 36 | 11 37 | 1 22 | 19 3 | 1 35 | 3 40 | 0 39 | 6 1 | 1 45 | 1 36 | 14 41 | 8 47 | 9 13 | 28 8 | 8 6 | 5 42 |
| T 8 | 18 29 | 16 29 | 4 8 | 11 55 | 1 42 | 26 3 | 2 45 | 22 8 | 1 35 | 11 36 | 1 22 | 19 4 | 1 35 | 3 41 | 0 39 | 6 2 | 1 45 | 1 36 | 14 41 | 8 51 | 9 14 | 28 9 | 8 6 | 5 42 |
| W 9 | 18 45 | 20 54 | 4 38 | 12 29 | 1 36 | 25 58 | 2 45 | 21 58 | 1 34 | 11 34 | 1 22 | 19 6 | 1 35 | 3 42 | 0 39 | 6 3 | 1 45 | 1 36 | 14 41 | 8 55 | 9 15 | 28 9 | 8 7 | 5 41 |
| T 10 | 19 0 | 24 26 | 4 55 | 13 4 | 1 30 | 25 53 | 2 45 | 21 48 | 1 33 | 11 33 | 1 22 | 19 7 | 1 34 | 3 44 | 0 39 | 6 3 | 1 45 | 1 35 | 14 41 | 9 1 | 9 17 | 28 9 | 8 7 | 5 41 |
| F 11 | 19 15 | 26 52 | 4 59 | 13 39 | 1 23 | 25 47 | 2 45 | 21 37 | 1 33 | 11 31 | 1 22 | 19 9 | 1 34 | 3 45 | 0 39 | 6 4 | 1 45 | 1 35 | 14 41 | 9 6 | 9 18 | 28 10 | 8 7 | 5 41 |
| S 12 | 19 29 | 28 4 | 4 50 | 14 13 | 1 16 | 25 40 | 2 44 | 21 26 | 1 32 | 11 30 | 1 21 | 19 10 | 1 34 | 3 46 | 0 39 | 6 5 | 1 45 | 1 35 | 14 41 | 9 12 | 9 19 | 28 10 | 8 7 | 5 40 |
| S 13 | 19 43 | 27 59 | 4 28 | 14 47 | 1 9 | 25 33 | 2 44 | 21 15 | 1 31 | 11 28 | 1 21 | 19 11 | 1 34 | 3 47 | 0 39 | 6 5 | 1 45 | 1 35 | 14 41 | 9 16 | 9 20 | 28 10 | 8 7 | 5 40 |
| M14 | 19 57 | 26 37 | 3 55 | 15 21 | 1 2 | 25 25 | 2 43 | 21 4 | 1 30 | 11 26 | 1 21 | 19 13 | 1 34 | 3 48 | 0 39 | 6 6 | 1 45 | 1 35 | 14 41 | 9 20 | 9 21 | 28 11 | 8 7 | 5 39 |
| T 15 | 20 10 | 24 3 | 3 11 | 15 54 | 0 55 | 25 17 | 2 42 | 20 52 | 1 29 | 11 24 | 1 21 | 19 14 | 1 34 | 3 49 | 0 39 | 6 7 | 1 45 | 1 34 | 14 40 | 9 22 | 9 22 | 28 11 | 8 7 | 5 39 |
| W16 | 20 23 | 20 25 | 2 18 | 16 27 | 0 48 | 25 7 | 2 41 | 20 40 | 1 28 | 11 22 | 1 20 | 19 16 | 1 34 | 3 50 | 0 39 | 6 7 | 1 45 | 1 34 | 14 40 | 9 24 | 9 24 | 28 11 | 8 7 | 5 39 |
| T 17 | 20 36 | 15 52 | 1 19 | 16 59 | 0 41 | 24 58 | 2 40 | 20 29 | 1 27 | 11 20 | 1 20 | 19 17 | 1 34 | 3 51 | 0 39 | 6 8 | 1 45 | 1 34 | 14 40 | 9 24 | 9 25 | 28 11 | 8 7 | 5 38 |
| F 18 | 20 48 | 10 34 | 0 14 | 17 31 | 0 34 | 24 47 | 2 39 | 20 16 | 1 26 | 11 18 | 1 20 | 19 19 | 1 34 | 3 52 | 0 39 | 6 9 | 1 45 | 1 34 | 14 40 | 9 24 | 9 26 | 28 12 | 8 7 | 5 38 |
| S 19 | 21 0 | 4 42 | 0n54 | 18 2 | 0 27 | 24 36 | 2 38 | 20 4 | 1 25 | 11 16 | 1 20 | 19 20 | 1 34 | 3 53 | 0 39 | 6 9 | 1 45 | 1 34 | 14 40 | 9 24 | 9 27 | 28 12 | 8 7 | 5 38 |
| S 20 | 21 11 | 1n34 | 2 0 | 18 32 | 0 20 | 24 24 | 2 36 | 19 52 | 1 24 | 11 14 | 1 19 | 19 21 | 1 34 | 3 54 | 0 39 | 6 10 | 1 45 | 1 34 | 14 40 | 9 25 | 9 28 | 28 12 | 8 7 | 5 37 |
| M21 | 21 22 | 7 58 | 3 3 | 19 1 | 0 13 | 24 12 | 2 35 | 19 39 | 1 23 | 11 11 | 1 19 | 19 23 | 1 34 | 3 55 | 0 39 | 6 10 | 1 45 | 1 33 | 14 40 | 9 26 | 9 29 | 28 12 | 8 7 | 5 37 |
| T 22 | 21 32 | 14 13 | 3 56 | 19 30 | 0 6 | 23 59 | 2 33 | 19 26 | 1 22 | 11 9 | 1 19 | 19 24 | 1 34 | 3 56 | 0 39 | 6 11 | 1 45 | 1 33 | 14 39 | 9 28 | 9 31 | 28 13 | 8 7 | 5 36 |
| W23 | 21 43 | 19 52 | 4 35 | 19 57 | 0s 1 | 23 45 | 2 31 | 19 13 | 1 22 | 11 7 | 1 19 | 19 26 | 1 34 | 3 57 | 0 39 | 6 12 | 1 46 | 1 33 | 14 39 | 9 32 | 9 32 | 28 13 | 8 6 | 5 36 |
| T 24 | 21 52 | 24 25 | 4 57 | 20 24 | 0 8 | 23 31 | 2 29 | 19 0 | 1 21 | 11 4 | 1 19 | 19 27 | 1 34 | 3 58 | 0 39 | 6 12 | 1 46 | 1 33 | 14 39 | 9 36 | 9 33 | 28 13 | 8 6 | 5 36 |
| F 25 | 22 2 | 27 18 | 4 57 | 20 50 | 0 15 | 23 17 | 2 27 | 18 46 | 1 20 | 11 1 | 1 18 | 19 28 | 1 34 | 3 59 | 0 39 | 6 13 | 1 46 | 1 33 | 14 39 | 9 40 | 9 34 | 28 13 | 8 6 | 5 35 |
| S 26 | 22 11 | 28 9 | 4 37 | 21 15 | 0 21 | 23 2 | 2 24 | 18 33 | 1 19 | 10 59 | 1 18 | 19 30 | 1 34 | 4 0 | 0 39 | 6 13 | 1 46 | 1 33 | 14 39 | 9 44 | 9 35 | 28 13 | 8 6 | 5 35 |
| S 27 | 22 19 | 26 51 | 3 57 | 21 39 | 0 28 | 22 46 | 2 22 | 18 19 | 1 18 | 10 56 | 1 18 | 19 31 | 1 34 | 4 1 | 0 39 | 6 14 | 1 46 | 1 33 | 14 39 | 9 48 | 9 36 | 28 14 | 8 6 | 5 35 |
| M28 | 22 27 | 23 39 | 3 1 | 22 2 | 0 34 | 22 30 | 2 19 | 18 5 | 1 17 | 10 53 | 1 18 | 19 32 | 1 34 | 4 2 | 0 39 | 6 14 | 1 46 | 1 33 | 14 38 | 9 50 | 9 38 | 28 14 | 8 5 | 5 34 |
| T 29 | 22 35 | 19 3 | 1 55 | 22 24 | 0 40 | 22 13 | 2 16 | 17 51 | 1 16 | 10 51 | 1 18 | 19 34 | 1 34 | 4 3 | 0 39 | 6 15 | 1 46 | 1 32 | 14 38 | 9 52 | 9 39 | 28 14 | 8 5 | 5 34 |
| W30 | 22s42 | 13n33 | 0n44 | 22s45 | 0s47 | 21s56 | 2s13 | 17s37 | 1s15 | 10s48 | 1s17 | 19s35 | 1n34 | 4s 4 | 0n39 | 6s15 | 1n46 | 1n32 | 14s38 | 9s52 | 9s40 | 28s14 | 8s 5 | 5n34 |

Julian Day Number = 2134825.5, Delta T = 16m04s
Ecliptic obliquity = 23°33'15, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'02, Lahiri = 11°46'02 Julian Calendar 1 Nov. 1132 == Greg. Calendar 8 Nov. 1132


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# ASTRODIENST EPHEMERIS for the year 1132
# geocentric

## DECEMBER 1132 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 5 18 | 15♐55'03 | 9♍40 | 11♐ 4 | 3♒11 | 15♒45 | 5♓28 | 4♐28 | 11♎46 | 20♎ 7 | 11°R56 | 4°R36 | 5♓ 6 | 22♐20 | 24♒49 | T 1 |
| F 2 | 5 9 15 | 16°56'13 | 22°44 | 12°38 | 4°13 | 16°31 | 5°35 | 4°35 | 11°48 | 20° 9 | 11♉55 | 4♓36 | 5° 3 | 22°26 | 24°51 | F 2 |
| S 3 | 5 13 12 | 17°57'23 | 5♎28 | 14°12 | 5°14 | 17°16 | 5°43 | 4°42 | 11°50 | 20°10 | 11°54 | 4°35 | 5° 0 | 22°33 | 24°53 | S 3 |
| S 4 | 5 17 8 | 18°58'33 | 17°55 | 15°47 | 6°16 | 18° 2 | 5°51 | 4°49 | 11°52 | 20°11 | 11°53 | 4°31 | 4°57 | 22°40 | 24°55 | S 4 |
| M 5 | 5 21 5 | 19°59'45 | 0♏10 | 17°21 | 7°16 | 18°47 | 5°59 | 4°56 | 11°54 | 20°13 | 11°52 | 4°25 | 4°53 | 22°47 | 24°57 | M 5 |
| T 6 | 5 25 1 | 21° 0'57 | 12°15 | 18°56 | 8°17 | 19°32 | 6° 7 | 5° 3 | 11°56 | 20°14 | 11°51 | 4°16 | 4°50 | 22°53 | 25° 0 | T 6 |
| W 7 | 5 28 58 | 22° 2'09 | 24°14 | 20°32 | 9°16 | 20°18 | 6°15 | 5°10 | 11°58 | 20°15 | 11°51 | 4° 4 | 4°47 | 23° 0 | 25° 2 | W 7 |
| T 8 | 5 32 54 | 23° 3'22 | 6♐ 9 | 22° 7 | 10°16 | 21° 3 | 6°24 | 5°17 | 12° 0 | 20°17 | 11°50 | 3°50 | 4°44 | 23° 7 | 25° 4 | T 8 |
| F 9 | 5 36 51 | 24° 4'35 | 18° 2 | 23°43 | 11°15 | 21°49 | 6°32 | 5°24 | 12° 2 | 20°18 | 11°49 | 3°36 | 4°41 | 23°13 | 25° 7 | F 9 |
| S 10 | 5 40 47 | 25° 5'48 | 29°54 | 25°19 | 12°13 | 22°34 | 6°41 | 5°30 | 12° 4 | 20°19 | 11°48 | 3°23 | 4°38 | 23°20 | 25° 9 | S 10 |
| S 11 | 5 44 44 | 26° 7'01 | 11♑45 | 26°55 | 13°11 | 23°20 | 6°50 | 5°37 | 12° 5 | 20°20 | 11°47 | 3°11 | 4°34 | 23°27 | 25°11 | S 11 |
| M12 | 5 48 41 | 27° 8'15 | 23°39 | 28°32 | 14° 9 | 24° 5 | 6°59 | 5°44 | 12° 7 | 20°21 | 11°47 | 3° 1 | 4°31 | 23°34 | 25°14 | M12 |
| T 13 | 5 52 37 | 28° 9'28 | 5♒36 | 0♑ 9 | 15° 6 | 24°51 | 7° 8 | 5°51 | 12° 8 | 20°22 | 11°46 | 2°55 | 4°28 | 23°40 | 25°16 | T 13 |
| W14 | 5 56 34 | 29°10'41 | 17°40 | 1°46 | 16° 2 | 25°36 | 7°17 | 5°57 | 12°10 | 20°24 | 11°45 | 2°51 | 4°25 | 23°47 | 25°19 | W14 |
| T 15 | 6 0 30 | 0♑11'54 | 29°53 | 3°24 | 16°58 | 26°21 | 7°27 | 6° 4 | 12°11 | 20°25 | 11°45 | 2°D50 | 4°22 | 23°54 | 25°22 | T 15 |
| F 16 | 6 4 27 | 1°13'06 | 12♓20 | 5° 2 | 17°53 | 27° 7 | 7°36 | 6°11 | 12°13 | 20°26 | 11°44 | 2°50 | 4°18 | 24° 1 | 25°24 | F 16 |
| S 17 | 6 8 23 | 2°14'18 | 25° 5 | 6°41 | 18°47 | 27°52 | 7°46 | 6°17 | 12°14 | 20°27 | 11°43 | 2°51 | 4°15 | 24° 7 | 25°27 | S 17 |
| S 18 | 6 12 20 | 3°15'30 | 8♈12 | 8°19 | 19°41 | 28°38 | 7°56 | 6°24 | 12°15 | 20°28 | 11°42 | 2°R51 | 4°12 | 24°14 | 25°30 | S 18 |
| M19 | 6 16 16 | 4°16'41 | 21°45 | 9°58 | 20°34 | 29°23 | 8° 6 | 6°30 | 12°17 | 20°28 | 11°42 | 2°49 | 4° 9 | 24°21 | 25°33 | M19 |
| T 20 | 6 20 13 | 5°17'51 | 5♉47 | 11°38 | 21°27 | 0♓ 8 | 8°16 | 6°37 | 12°18 | 20°29 | 11°41 | 2°45 | 4° 6 | 24°27 | 25°35 | T 20 |
| W21 | 6 24 10 | 6°19'01 | 20°17 | 13°18 | 22°18 | 0°54 | 8°26 | 6°43 | 12°19 | 20°30 | 11°41 | 2°39 | 4° 3 | 24°34 | 25°38 | W21 |
| T 22 | 6 28 6 | 7°20'11 | 5♊11 | 14°58 | 23° 9 | 1°39 | 8°36 | 6°50 | 12°20 | 20°31 | 11°40 | 2°32 | 3°59 | 24°41 | 25°41 | T 22 |
| F 23 | 6 32 3 | 8°21'20 | 20°22 | 16°38 | 23°59 | 2°24 | 8°46 | 6°56 | 12°21 | 20°32 | 11°39 | 2°23 | 3°56 | 24°48 | 25°44 | F 23 |
| S 24 | 6 35 59 | 9°22'28 | 5♋41 | 18°18 | 24°48 | 3°10 | 8°57 | 7° 3 | 12°22 | 20°33 | 11°39 | 2°14 | 3°53 | 24°54 | 25°47 | S 24 |
| S 25 | 6 39 56 | 10°23'36 | 20°56 | 19°59 | 25°37 | 3°55 | 9° 8 | 7° 9 | 12°23 | 20°33 | 11°38 | 2° 7 | 3°50 | 25° 1 | 25°50 | S 25 |
| M26 | 6 43 52 | 11°24'44 | 5♌57 | 21°40 | 26°24 | 4°40 | 9°18 | 7°15 | 12°24 | 20°34 | 11°38 | 2° 2 | 3°47 | 25° 8 | 25°53 | M26 |
| T 27 | 6 47 49 | 12°25'51 | 20°35 | 23°21 | 27°10 | 5°25 | 9°29 | 7°22 | 12°25 | 20°35 | 11°37 | 2° 0 | 3°44 | 25°14 | 25°57 | T 27 |
| W28 | 6 51 46 | 13°26'58 | 4♍45 | 25° 1 | 27°56 | 6°10 | 9°40 | 7°28 | 12°25 | 20°35 | 11°37 | 1°D59 | 3°40 | 25°21 | 26° 0 | W28 |
| T 29 | 6 55 42 | 14°28'05 | 18°26 | 26°42 | 28°40 | 6°55 | 9°51 | 7°34 | 12°26 | 20°36 | 11°37 | 2° 0 | 3°37 | 25°28 | 26° 3 | T 29 |
| F 30 | 6 59 39 | 15°29'11 | 1♎39 | 28°22 | 29°24 | 7°41 | 10° 2 | 7°40 | 12°27 | 20°36 | 11°36 | 2° 1 | 3°34 | 25°35 | 26° 6 | F 30 |
| S 31 | 7 3 35 | 16♑30'16 | 14♎28 | 0♒ 1 | 0♓ 6 | 8♓26 | 10♓14 | 7♐46 | 12♎27 | 20♎37 | 11♉36 | 2°R 2 | 3♓31 | 25♐41 | 26♒ 9 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22s48 | 7n34 | 0s27 | 23s 5 | 0s53 | 21s38 | 2s10 | 17s22 | 1s14 | 10s45 | 1s17 | 19s36 | 1n33 | 4s 4 | 0n39 | 6s16 | 1n46 | 1n32 | 14s38 | 9s52 | 9s41 | 28s14 | 8s 4 | 5n33 | |
| F 2 | 22 55 | 1 27 | 1 34 | 23 23 | 0 59 | 21 20 | 2 6 | 17 8 | 1 13 | 10 42 | 1 17 | 19 38 | 1 33 | 4 5 | 0 39 | 6 16 | 1 46 | 1 32 | 14 38 | 9 52 | 9 42 | 28 14 | 8 4 | 5 33 | |
| S 3 | 23 0 | 4s34 | 2 36 | 23 41 | 1 4 | 21 2 | 2 3 | 16 53 | 1 12 | 10 39 | 1 17 | 19 39 | 1 33 | 4 6 | 0 39 | 6 17 | 1 46 | 1 32 | 14 37 | 9 53 | 9 43 | 28 15 | 8 4 | 5 32 | |
| S 4 | 23 6 | 10 16 | 3 28 | 23 57 | 1 10 | 20 43 | 1 59 | 16 38 | 1 11 | 10 36 | 1 16 | 19 40 | 1 33 | 4 7 | 0 39 | 6 17 | 1 46 | 1 32 | 14 37 | 9 54 | 9 45 | 28 15 | 8 3 | 5 32 | |
| M 5 | 23 10 | 15 28 | 4 9 | 24 12 | 1 15 | 20 24 | 1 55 | 16 23 | 1 10 | 10 33 | 1 16 | 19 41 | 1 33 | 4 7 | 0 40 | 6 18 | 1 46 | 1 32 | 14 37 | 9 56 | 9 46 | 28 15 | 8 3 | 5 32 | |
| T 6 | 23 15 | 20 1 | 4 39 | 24 25 | 1 20 | 20 4 | 1 51 | 16 8 | 1 9 | 10 29 | 1 16 | 19 43 | 1 33 | 4 8 | 0 40 | 6 18 | 1 46 | 1 32 | 14 37 | 10 0 | 9 47 | 28 15 | 8 3 | 5 31 | |
| W 7 | 23 19 | 23 42 | 4 56 | 24 38 | 1 25 | 19 44 | 1 47 | 15 52 | 1 8 | 10 26 | 1 16 | 19 44 | 1 33 | 4 9 | 0 40 | 6 19 | 1 46 | 1 32 | 14 37 | 10 4 | 9 48 | 28 15 | 8 2 | 5 31 | |
| T 8 | 23 22 | 26 22 | 5 0 | 24 49 | 1 30 | 19 23 | 1 42 | 15 37 | 1 8 | 10 23 | 1 16 | 19 45 | 1 33 | 4 10 | 0 40 | 6 19 | 1 46 | 1 32 | 14 36 | 10 9 | 9 49 | 28 15 | 8 2 | 5 31 | |
| F 9 | 23 25 | 27 51 | 4 51 | 24 59 | 1 35 | 19 3 | 1 37 | 15 21 | 1 7 | 10 19 | 1 16 | 19 46 | 1 33 | 4 10 | 0 40 | 6 20 | 1 46 | 1 32 | 14 36 | 10 14 | 9 50 | 28 15 | 8 1 | 5 31 | |
| S 10 | 23 28 | 28 3 | 4 30 | 25 7 | 1 39 | 18 42 | 1 33 | 15 5 | 1 6 | 10 16 | 1 15 | 19 48 | 1 33 | 4 11 | 0 40 | 6 20 | 1 46 | 1 32 | 14 36 | 10 19 | 9 52 | 28 15 | 8 1 | 5 30 | |
| S 11 | 23 30 | 26 57 | 3 56 | 25 14 | 1 43 | 18 20 | 1 28 | 14 49 | 1 5 | 10 13 | 1 15 | 19 49 | 1 33 | 4 11 | 0 40 | 6 20 | 1 46 | 1 32 | 14 36 | 10 23 | 9 53 | 28 15 | 8 0 | 5 30 | |
| M12 | 23 31 | 24 38 | 3 12 | 25 19 | 1 47 | 17 58 | 1 22 | 14 33 | 1 4 | 10 9 | 1 15 | 19 50 | 1 33 | 4 12 | 0 40 | 6 21 | 1 47 | 1 32 | 14 35 | 10 27 | 9 54 | 28 15 | 8 0 | 5 30 | |
| T 13 | 23 32 | 21 13 | 2 20 | 25 23 | 1 50 | 17 37 | 1 17 | 14 17 | 1 3 | 10 5 | 1 15 | 19 51 | 1 33 | 4 13 | 0 40 | 6 21 | 1 47 | 1 32 | 14 35 | 10 29 | 9 55 | 28 15 | 7 59 | 5 29 | |
| W14 | 23 33 | 16 53 | 1 20 | 25 26 | 1 53 | 17 14 | 1 11 | 14 1 | 1 2 | 10 2 | 1 15 | 19 52 | 1 33 | 4 13 | 0 40 | 6 21 | 1 47 | 1 32 | 14 35 | 10 30 | 9 56 | 28 15 | 7 59 | 5 29 | |
| T 15 | 23 33 | 11 49 | 0 16 | 25 27 | 1 56 | 16 52 | 1 5 | 13 45 | 1 1 | 9 58 | 1 14 | 19 53 | 1 33 | 4 14 | 0 40 | 6 22 | 1 47 | 1 32 | 14 35 | 10 31 | 9 57 | 28 15 | 7 58 | 5 29 | |
| F 16 | 23 33 | 6 11 | 0n51 | 25 26 | 1 59 | 16 29 | 0 59 | 13 28 | 1 0 | 9 54 | 1 14 | 19 55 | 1 33 | 4 14 | 0 40 | 6 22 | 1 47 | 1 32 | 14 34 | 10 31 | 9 59 | 28 15 | 7 57 | 5 28 | |
| S 17 | 23 32 | 0 11 | 1 56 | 25 24 | 2 1 | 16 6 | 0 53 | 13 12 | 0 59 | 9 51 | 1 14 | 19 56 | 1 33 | 4 15 | 0 40 | 6 22 | 1 47 | 1 32 | 14 34 | 10 31 | 10 0 | 28 15 | 7 57 | 5 28 | |
| S 18 | 23 31 | 5n59 | 2 57 | 25 20 | 2 3 | 15 43 | 0 47 | 12 55 | 0 58 | 9 47 | 1 14 | 19 57 | 1 33 | 4 15 | 0 40 | 6 23 | 1 47 | 1 32 | 14 34 | 10 30 | 10 1 | 28 16 | 7 56 | 5 28 | |
| M19 | 23 29 | 12 5 | 3 51 | 25 15 | 2 4 | 15 20 | 0 40 | 12 38 | 0 57 | 9 43 | 1 14 | 19 58 | 1 33 | 4 16 | 0 40 | 6 23 | 1 47 | 1 32 | 14 34 | 10 31 | 10 2 | 28 15 | 7 56 | 5 27 | |
| T 20 | 23 27 | 17 47 | 4 32 | 25 7 | 2 5 | 14 57 | 0 33 | 12 21 | 0 56 | 9 39 | 1 14 | 19 59 | 1 33 | 4 16 | 0 40 | 6 23 | 1 47 | 1 32 | 14 33 | 10 32 | 10 3 | 28 15 | 7 55 | 5 27 | |
| W21 | 23 24 | 22 41 | 4 58 | 24 59 | 2 6 | 14 33 | 0 26 | 12 4 | 0 55 | 9 35 | 1 13 | 20 0 | 1 33 | 4 17 | 0 40 | 6 24 | 1 47 | 1 32 | 14 33 | 10 35 | 10 4 | 28 15 | 7 54 | 5 27 | |
| T 22 | 23 21 | 26 16 | 5 5 | 24 48 | 2 6 | 14 10 | 0 19 | 11 47 | 0 54 | 9 31 | 1 13 | 20 1 | 1 33 | 4 17 | 0 40 | 6 24 | 1 47 | 1 33 | 14 33 | 10 37 | 10 6 | 28 15 | 7 53 | 5 27 | |
| F 23 | 23 17 | 28 2 | 4 51 | 24 36 | 2 6 | 13 46 | 0 11 | 11 30 | 0 53 | 9 27 | 1 13 | 20 2 | 1 33 | 4 17 | 0 40 | 6 24 | 1 47 | 1 33 | 14 32 | 10 41 | 10 7 | 28 15 | 7 53 | 5 26 | |
| S 24 | 23 13 | 27 41 | 4 15 | 24 22 | 2 6 | 13 22 | 0 3 | 11 13 | 0 53 | 9 23 | 1 13 | 20 3 | 1 33 | 4 18 | 0 40 | 6 24 | 1 47 | 1 33 | 14 32 | 10 44 | 10 8 | 28 15 | 7 52 | 5 26 | |
| S 25 | 23 9 | 25 14 | 3 22 | 24 7 | 2 4 | 12 58 | 0n 5 | 10 55 | 0 52 | 9 18 | 1 13 | 20 4 | 1 34 | 4 18 | 0 40 | 6 25 | 1 47 | 1 33 | 14 32 | 10 46 | 10 9 | 28 15 | 7 51 | 5 26 | |
| M26 | 23 4 | 21 3 | 2 15 | 23 49 | 2 3 | 12 35 | 0 13 | 10 38 | 0 51 | 9 14 | 1 13 | 20 5 | 1 34 | 4 18 | 0 40 | 6 25 | 1 47 | 1 33 | 14 32 | 10 48 | 10 10 | 28 15 | 7 50 | 5 26 | |
| T 27 | 22 58 | 15 40 | 1 1 | 23 30 | 2 1 | 12 11 | 0 21 | 10 20 | 0 50 | 9 10 | 1 12 | 20 6 | 1 34 | 4 19 | 0 40 | 6 25 | 1 47 | 1 33 | 14 31 | 10 49 | 10 11 | 28 15 | 7 50 | 5 25 | |
| W28 | 22 52 | 9 35 | 0s15 | 23 9 | 1 58 | 11 47 | 0 30 | 10 3 | 0 49 | 9 6 | 1 12 | 20 7 | 1 34 | 4 19 | 0 40 | 6 25 | 1 48 | 1 33 | 14 31 | 10 49 | 10 12 | 28 15 | 7 49 | 5 25 | |
| T 29 | 22 46 | 3 15 | 1 28 | 22 47 | 1 54 | 11 23 | 0 39 | 9 45 | 0 48 | 9 1 | 1 12 | 20 8 | 1 34 | 4 19 | 0 40 | 6 25 | 1 48 | 1 34 | 14 31 | 10 49 | 10 14 | 28 15 | 7 48 | 5 25 | |
| F 30 | 22 39 | 3s 0 | 2 33 | 22 23 | 1 50 | 11 0 | 0 48 | 9 27 | 0 47 | 8 57 | 1 12 | 20 9 | 1 34 | 4 19 | 0 40 | 6 25 | 1 48 | 1 34 | 14 30 | 10 48 | 10 15 | 28 15 | 7 47 | 5 25 | |
| S 31 | 22s32 | 8s56 | 3s29 | 21s57 | 1s45 | 10s36 | 0n57 | 9s10 | 0s46 | 8s53 | 1s12 | 20s10 | 1n34 | 4s20 | 0n40 | 6s26 | 1n48 | 1n34 | 14s30 | 10s48 | 10s16 | 28s15 | 7s46 | 5n24 | |

Julian Day Number = 2134855.5, Delta T = 16m04s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'06, Lahiri = 11°46'06 Julian Calendar 1 Dec. 1132 == Greg. Calendar 8 Dec. 1132


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## JANUARY 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 7 32 | 17♉31'22 | 26♎57 | 1♒40 | 0♓47 | 9♓11 | 10♓25 | 7♐52 | 12♎28 | 20♎38 | 11°R35 | 2°R 2 | 3♓28 | 25♐48 | 26♒13 | S 1 |
| M 2 | 7 11 28 | 18°32'27 | 9♏10 | 3°17 | 1°27 | 9°56 | 10°36 | 7°58 | 12°28 | 20°38 | 11♉35 | 1♓59 | 3°24 | 25°55 | 26°16 | M 2 |
| T 3 | 7 15 25 | 19°33'31 | 21°12 | 4°54 | 2° 6 | 10°41 | 10°48 | 8° 4 | 12°29 | 20°38 | 11°35 | 1°55 | 3°21 | 26° 1 | 26°19 | T 3 |
| W 4 | 7 19 21 | 20°34'35 | 3♐ 7 | 6°28 | 2°43 | 11°26 | 11° 0 | 8°10 | 12°29 | 20°39 | 11°34 | 1°49 | 3°18 | 26° 8 | 26°23 | W 4 |
| T 5 | 7 23 18 | 21°35'38 | 14°58 | 8° 1 | 3°19 | 12°11 | 11°11 | 8°16 | 12°29 | 20°39 | 11°34 | 1°41 | 3°15 | 26°15 | 26°26 | T 5 |
| F 6 | 7 27 15 | 22°36'41 | 26°49 | 9°31 | 3°54 | 12°56 | 11°23 | 8°21 | 12°30 | 20°39 | 11°34 | 1°33 | 3°12 | 26°22 | 26°30 | F 6 |
| S 7 | 7 31 11 | 23°37'43 | 8♉41 | 10°58 | 4°27 | 13°41 | 11°35 | 8°27 | 12°30 | 20°40 | 11°33 | 1°26 | 3° 9 | 26°28 | 26°33 | S 7 |
| S 8 | 7 35 8 | 24°38'44 | 20°37 | 12°21 | 4°59 | 14°26 | 11°47 | 8°33 | 12°30 | 20°40 | 11°33 | 1°19 | 3° 5 | 26°35 | 26°37 | S 8 |
| M 9 | 7 39 4 | 25°39'44 | 2♒37 | 13°40 | 5°29 | 15°11 | 11°59 | 8°38 | 12°30 | 20°40 | 11°33 | 1°14 | 3° 2 | 26°42 | 26°40 | M 9 |
| T 10 | 7 43 1 | 26°40'43 | 14°44 | 14°54 | 5°57 | 15°56 | 12°11 | 8°44 | 12°R30 | 20°40 | 11°33 | 1°11 | 2°59 | 26°48 | 26°44 | T 10 |
| W11 | 7 46 57 | 27°41'40 | 26°59 | 16° 2 | 6°24 | 16°40 | 12°24 | 8°49 | 12°30 | 20°41 | 11°33 | 1°D 9 | 2°56 | 26°55 | 26°47 | W11 |
| T 12 | 7 50 54 | 28°42'37 | 9♓24 | 17° 4 | 6°49 | 17°25 | 12°36 | 8°55 | 12°30 | 20°41 | 11°32 | 1°10 | 2°53 | 27° 2 | 26°51 | T 12 |
| F 13 | 7 54 50 | 29°43'32 | 22° 2 | 17°58 | 7°12 | 18°10 | 12°49 | 9° 0 | 12°30 | 20°41 | 11°32 | 1°11 | 2°50 | 27° 9 | 26°55 | F 13 |
| S 14 | 7 58 47 | 0♒44'26 | 4♈53 | 18°45 | 7°34 | 18°55 | 13° 1 | 9° 5 | 12°30 | 20°41 | 11°32 | 1°13 | 2°46 | 27°15 | 26°58 | S 14 |
| S 15 | 8 2 44 | 1°45'18 | 18° 3 | 19°22 | 7°53 | 19°39 | 13°14 | 9°10 | 12°29 | 20°R41 | 11°32 | 1°14 | 2°43 | 27°22 | 27° 2 | S 15 |
| M16 | 8 6 40 | 2°46'09 | 1♉32 | 19°50 | 8°10 | 20°24 | 13°26 | 9°16 | 12°29 | 20°41 | 11°32 | 1°R15 | 2°40 | 27°29 | 27° 6 | M16 |
| T 17 | 8 10 37 | 3°46'58 | 15°23 | 20° 7 | 8°26 | 21° 9 | 13°39 | 9°21 | 12°29 | 20°41 | 11°32 | 1°14 | 2°37 | 27°35 | 27° 9 | T 17 |
| W18 | 8 14 33 | 4°47'46 | 29°36 | 20°R14 | 8°39 | 21°53 | 13°52 | 9°26 | 12°28 | 20°41 | 11°D32 | 1°12 | 2°34 | 27°42 | 27°13 | W18 |
| T 19 | 8 18 30 | 5°48'33 | 14♊ 9 | 20°10 | 8°50 | 22°38 | 14° 5 | 9°31 | 12°28 | 20°41 | 11°32 | 1°10 | 2°30 | 27°49 | 27°17 | T 19 |
| F 20 | 8 22 26 | 6°49'17 | 28°58 | 19°55 | 8°58 | 23°23 | 14°18 | 9°35 | 12°27 | 20°40 | 11°32 | 1° 6 | 2°27 | 27°55 | 27°21 | F 20 |
| S 21 | 8 26 23 | 7°50'01 | 13♋56 | 19°29 | 9° 4 | 24° 7 | 14°31 | 9°40 | 12°27 | 20°40 | 11°32 | 1° 3 | 2°24 | 28° 2 | 27°25 | S 21 |
| S 22 | 8 30 19 | 8°50'42 | 28°55 | 18°54 | 9° 8 | 24°51 | 14°44 | 9°45 | 12°26 | 20°40 | 11°32 | 1° 0 | 2°21 | 28° 9 | 27°28 | S 22 |
| M23 | 8 34 16 | 9°51'22 | 13♌47 | 18° 9 | 9°R 9 | 25°36 | 14°57 | 9°50 | 12°25 | 20°40 | 11°32 | 0°58 | 2°18 | 28°16 | 27°32 | M23 |
| T 24 | 8 38 13 | 10°52'01 | 28°22 | 17°16 | 9° 8 | 26°20 | 15°10 | 9°54 | 12°25 | 20°39 | 11°32 | 0°D57 | 2°15 | 28°22 | 27°36 | T 24 |
| W25 | 8 42 9 | 11°52'38 | 12♍35 | 16°17 | 9° 5 | 27° 5 | 15°23 | 9°59 | 12°24 | 20°39 | 11°32 | 0°58 | 2°11 | 28°29 | 27°40 | W25 |
| T 26 | 8 46 6 | 12°53'14 | 26°23 | 15°12 | 8°59 | 27°49 | 15°37 | 10° 3 | 12°23 | 20°39 | 11°33 | 0°59 | 2° 8 | 28°36 | 27°44 | T 26 |
| F 27 | 8 50 2 | 13°53'49 | 9♎45 | 14° 5 | 8°50 | 28°33 | 15°50 | 10° 7 | 12°22 | 20°38 | 11°33 | 1° 0 | 2° 5 | 28°42 | 27°48 | F 27 |
| S 28 | 8 53 59 | 14°54'22 | 22°42 | 12°56 | 8°39 | 29°17 | 16° 3 | 10°12 | 12°21 | 20°38 | 11°33 | 1° 1 | 2° 2 | 28°49 | 27°52 | S 28 |
| S 29 | 8 57 55 | 15°54'54 | 5♏17 | 11°48 | 8°25 | 0♈ 2 | 16°17 | 10°16 | 12°20 | 20°38 | 11°33 | 1° 2 | 1°59 | 28°56 | 27°56 | S 29 |
| M30 | 9 1 52 | 16°55'25 | 17°34 | 10°42 | 8° 9 | 0°46 | 16°30 | 10°20 | 12°19 | 20°37 | 11°33 | 1°R 3 | 1°56 | 29° 3 | 28° 0 | M30 |
| T 31 | 9 5 48 | 17♒55'54 | 29♏38 | 9♒39 | 7♓50 | 1♈30 | 16♓44 | 10♐24 | 12♎18 | 20♎37 | 11♉34 | 1♓ 2 | 1♓52 | 29♐ 9 | 28♒ 3 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s24 | 14s22 | 4s13 | 21s30 | 1s40 | 10s13 | 1n 6 | 8s52 | 0s45 | 8s48 | 1s12 | 20s11 | 1n34 | 4s20 | 0n40 | 6s26 | 1n48 | 1n34 | 14s30 | 10s48 | 10s17 | 28s15 | 7s45 | 5n24 |
| M 2 | 22 16 | 19 7 | 4 45 | 21 2 | 1 34 | 9 49 | 1 16 | 8 34 | 0 44 | 8 44 | 1 12 | 20 12 | 1 34 | 4 20 | 0 40 | 6 26 | 1 48 | 1 34 | 14 29 | 10 49 | 10 18 | 28 15 | 7 45 | 5 24 |
| T 3 | 22 7 | 23 1 | 5 4 | 20 32 | 1 26 | 9 26 | 1 26 | 8 16 | 0 43 | 8 39 | 1 11 | 20 13 | 1 34 | 4 20 | 0 40 | 6 26 | 1 48 | 1 34 | 14 29 | 10 51 | 10 19 | 28 14 | 7 44 | 5 24 |
| W 4 | 21 58 | 25 56 | 5 9 | 20 1 | 1 19 | 9 3 | 1 36 | 7 58 | 0 42 | 8 35 | 1 11 | 20 14 | 1 34 | 4 20 | 0 40 | 6 26 | 1 48 | 1 35 | 14 29 | 10 53 | 10 21 | 28 14 | 7 43 | 5 23 |
| T 5 | 21 49 | 27 41 | 5 1 | 19 29 | 1 10 | 8 41 | 1 47 | 7 40 | 0 42 | 8 30 | 1 11 | 20 15 | 1 34 | 4 20 | 0 40 | 6 26 | 1 48 | 1 35 | 14 29 | 10 55 | 10 22 | 28 14 | 7 42 | 5 23 |
| F 6 | 21 39 | 28 11 | 4 40 | 18 56 | 1 0 | 8 18 | 1 57 | 7 22 | 0 41 | 8 25 | 1 11 | 20 15 | 1 34 | 4 20 | 0 41 | 6 26 | 1 48 | 1 35 | 14 28 | 10 58 | 10 23 | 28 14 | 7 41 | 5 23 |
| S 7 | 21 29 | 27 22 | 4 7 | 18 22 | 0 50 | 7 56 | 2 8 | 7 4 | 0 40 | 8 21 | 1 11 | 20 16 | 1 34 | 4 20 | 0 41 | 6 26 | 1 48 | 1 35 | 14 28 | 11 1 | 10 24 | 28 14 | 7 40 | 5 23 |
| S 8 | 21 18 | 25 18 | 3 23 | 17 48 | 0 39 | 7 34 | 2 19 | 6 45 | 0 39 | 8 16 | 1 11 | 20 17 | 1 34 | 4 20 | 0 41 | 6 26 | 1 48 | 1 35 | 14 28 | 11 3 | 10 25 | 28 14 | 7 39 | 5 23 |
| M 9 | 21 7 | 22 5 | 2 29 | 17 13 | 0 26 | 7 13 | 2 31 | 6 27 | 0 38 | 8 11 | 1 11 | 20 18 | 1 34 | 4 20 | 0 41 | 6 26 | 1 48 | 1 36 | 14 27 | 11 5 | 10 26 | 28 14 | 7 38 | 5 22 |
| T 10 | 20 55 | 17 54 | 1 28 | 16 39 | 0 13 | 6 51 | 2 42 | 6 9 | 0 37 | 8 6 | 1 10 | 20 19 | 1 34 | 4 20 | 0 41 | 6 26 | 1 48 | 1 36 | 14 27 | 11 6 | 10 27 | 28 13 | 7 37 | 5 22 |
| W11 | 20 43 | 12 56 | 0 23 | 16 6 | 0n 1 | 6 31 | 2 54 | 5 50 | 0 36 | 8 1 | 1 10 | 20 20 | 1 34 | 4 20 | 0 41 | 6 26 | 1 48 | 1 36 | 14 27 | 11 7 | 10 29 | 28 13 | 7 36 | 5 22 |
| T 12 | 20 31 | 7 23 | 0n45 | 15 33 | 0 15 | 6 10 | 3 6 | 5 32 | 0 35 | 7 57 | 1 10 | 20 20 | 1 34 | 4 20 | 0 41 | 6 26 | 1 48 | 1 36 | 14 26 | 11 7 | 10 30 | 28 13 | 7 35 | 5 22 |
| F 13 | 20 18 | 1 28 | 1 52 | 15 2 | 0 31 | 5 50 | 3 18 | 5 14 | 0 34 | 7 52 | 1 10 | 20 21 | 1 34 | 4 20 | 0 41 | 6 26 | 1 49 | 1 37 | 14 26 | 11 6 | 10 31 | 28 13 | 7 34 | 5 22 |
| S 14 | 20 5 | 4n37 | 2 54 | 14 32 | 0 47 | 5 31 | 3 30 | 4 55 | 0 34 | 7 47 | 1 10 | 20 22 | 1 34 | 4 20 | 0 41 | 6 26 | 1 49 | 1 37 | 14 26 | 11 6 | 10 32 | 28 13 | 7 33 | 5 21 |
| S 15 | 19 52 | 10 38 | 3 49 | 14 5 | 1 4 | 5 12 | 3 43 | 4 37 | 0 33 | 7 42 | 1 10 | 20 23 | 1 34 | 4 20 | 0 41 | 6 26 | 1 49 | 1 37 | 14 25 | 11 5 | 10 33 | 28 12 | 7 32 | 5 21 |
| M16 | 19 38 | 16 19 | 4 33 | 13 40 | 1 21 | 4 54 | 3 55 | 4 18 | 0 32 | 7 37 | 1 10 | 20 23 | 1 35 | 4 20 | 0 41 | 6 26 | 1 49 | 1 38 | 14 25 | 11 5 | 10 34 | 28 12 | 7 30 | 5 21 |
| T 17 | 19 24 | 21 20 | 5 2 | 13 18 | 1 38 | 4 37 | 4 8 | 4 0 | 0 31 | 7 32 | 1 10 | 20 24 | 1 35 | 4 20 | 0 41 | 6 26 | 1 49 | 1 38 | 14 25 | 11 5 | 10 36 | 28 12 | 7 29 | 5 21 |
| W18 | 19 9 | 25 16 | 5 14 | 13 0 | 1 55 | 4 20 | 4 21 | 3 41 | 0 30 | 7 27 | 1 10 | 20 25 | 1 35 | 4 19 | 0 41 | 6 26 | 1 49 | 1 38 | 14 24 | 11 6 | 10 37 | 28 12 | 7 28 | 5 21 |
| T 19 | 18 55 | 27 40 | 5 6 | 12 45 | 2 12 | 4 4 | 4 34 | 3 23 | 0 29 | 7 22 | 1 9 | 20 25 | 1 35 | 4 19 | 0 41 | 6 26 | 1 49 | 1 39 | 14 24 | 11 7 | 10 38 | 28 11 | 7 27 | 5 21 |
| F 20 | 18 39 | 28 11 | 4 38 | 12 34 | 2 28 | 3 48 | 4 47 | 3 5 | 0 28 | 7 17 | 1 9 | 20 26 | 1 35 | 4 19 | 0 41 | 6 26 | 1 49 | 1 39 | 14 24 | 11 8 | 10 39 | 28 11 | 7 26 | 5 20 |
| S 21 | 18 24 | 26 38 | 3 50 | 12 27 | 2 44 | 3 34 | 5 0 | 2 46 | 0 27 | 7 11 | 1 9 | 20 27 | 1 35 | 4 19 | 0 41 | 6 26 | 1 49 | 1 39 | 14 23 | 11 9 | 10 40 | 28 11 | 7 25 | 5 20 |
| S 22 | 18 8 | 23 12 | 2 47 | 12 25 | 2 58 | 3 20 | 5 14 | 2 28 | 0 27 | 7 6 | 1 9 | 20 27 | 1 35 | 4 18 | 0 41 | 6 25 | 1 49 | 1 40 | 14 23 | 11 10 | 10 41 | 28 11 | 7 24 | 5 20 |
| M23 | 17 52 | 18 16 | 1 33 | 12 26 | 3 11 | 3 7 | 5 27 | 2 9 | 0 26 | 7 1 | 1 9 | 20 28 | 1 35 | 4 18 | 0 41 | 6 25 | 1 49 | 1 40 | 14 23 | 11 11 | 10 42 | 28 10 | 7 22 | 5 20 |
| T 24 | 17 35 | 12 19 | 0 14 | 12 31 | 3 22 | 2 56 | 5 40 | 1 51 | 0 25 | 6 56 | 1 9 | 20 28 | 1 35 | 4 18 | 0 41 | 6 25 | 1 49 | 1 40 | 14 22 | 11 11 | 10 44 | 28 10 | 7 21 | 5 20 |
| W25 | 17 19 | 5 53 | 1s 4 | 12 40 | 3 31 | 2 45 | 5 53 | 1 32 | 0 24 | 6 51 | 1 9 | 20 29 | 1 35 | 4 17 | 0 41 | 6 25 | 1 49 | 1 41 | 14 22 | 11 11 | 10 45 | 28 10 | 7 20 | 5 20 |
| T 26 | 17 2 | 0s38 | 2 16 | 12 52 | 3 38 | 2 35 | 6 6 | 1 14 | 0 23 | 6 45 | 1 9 | 20 30 | 1 35 | 4 17 | 0 41 | 6 25 | 1 49 | 1 41 | 14 22 | 11 11 | 10 46 | 28 9 | 7 19 | 5 20 |
| F 27 | 16 44 | 6 55 | 3 18 | 13 7 | 3 43 | 2 26 | 6 19 | 0 55 | 0 22 | 6 40 | 1 9 | 20 30 | 1 35 | 4 17 | 0 41 | 6 25 | 1 49 | 1 41 | 14 21 | 11 10 | 10 47 | 28 9 | 7 18 | 5 20 |
| S 28 | 16 26 | 12 42 | 4 8 | 13 24 | 3 45 | 2 19 | 6 32 | 0 37 | 0 22 | 6 35 | 1 9 | 20 31 | 1 35 | 4 16 | 0 41 | 6 24 | 1 50 | 1 42 | 14 21 | 11 10 | 10 48 | 28 9 | 7 16 | 5 19 |
| S 29 | 16 9 | 17 49 | 4 45 | 13 43 | 3 45 | 2 12 | 6 44 | 0 18 | 0 21 | 6 29 | 1 9 | 20 31 | 1 35 | 4 16 | 0 41 | 6 24 | 1 50 | 1 42 | 14 21 | 11 9 | 10 49 | 28 8 | 7 15 | 5 19 |
| M30 | 15 50 | 22 4 | 5 8 | 14 3 | 3 43 | 2 7 | 6 56 | 0n 0 | 0 20 | 6 24 | 1 9 | 20 32 | 1 36 | 4 15 | 0 41 | 6 24 | 1 50 | 1 42 | 14 20 | 11 9 | 10 50 | 28 8 | 7 14 | 5 19 |
| T 31 | 15s32 | 25s19 | 5s16 | 14s24 | 3n39 | 2s 3 | 7n 8 | 0n18 | 0s19 | 6s19 | 1s 8 | 20s32 | 1n36 | 4s15 | 0n41 | 6s24 | 1n50 | 1n43 | 14s20 | 11s 9 | 10s52 | 28s 8 | 7s13 | 5n19 |

Julian Day Number = 2134886.5, Delta T = 16m04s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'10, Lahiri = 11°46'11 Julian Calendar 1 Jan. 1133 == Greg. Calendar 8 Jan. 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## FEBRUARY 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 9 45 | 18♒56'22 | 11♐33 | 8°R42 | 7°R30 | 2♈14 | 16♓58 | 10♐28 | 12°R17 | 20°R36 | 11♉34 | 1°R 1 | 1♓49 | 29♐16 | 28♒ 7 | W 1 |
| T 2 | 9 13 42 | 19°56'49 | 23°24 | 7♒50 | 7♓ 6 | 2°58 | 17°11 | 10°32 | 12♎16 | 20♎35 | 11°34 | 1♓ 0 | 1°46 | 29°23 | 28°11 | T 2 |
| F 3 | 9 17 38 | 20°57'14 | 5♑15 | 7° 5 | 6°41 | 3°42 | 17°25 | 10°36 | 12°14 | 20°35 | 11°35 | 0°58 | 1°43 | 29°29 | 28°15 | F 3 |
| S 4 | 9 21 35 | 21°57'37 | 17° 9 | 6°27 | 6°14 | 4°26 | 17°39 | 10°39 | 12°13 | 20°34 | 11°35 | 0°57 | 1°40 | 29°36 | 28°19 | S 4 |
| S 5 | 9 25 31 | 22°57'59 | 29°10 | 5°56 | 5°44 | 5°10 | 17°53 | 10°43 | 12°12 | 20°34 | 11°35 | 0°56 | 1°36 | 29°43 | 28°23 | S 5 |
| M 6 | 9 29 28 | 23°58'20 | 11♒19 | 5°33 | 5°13 | 5°54 | 18° 7 | 10°47 | 12°10 | 20°33 | 11°36 | 0°55 | 1°33 | 29°50 | 28°27 | M 6 |
| T 7 | 9 33 24 | 24°58'38 | 23°39 | 5°17 | 4°40 | 6°38 | 18°20 | 10°50 | 12° 9 | 20°32 | 11°36 | 0°55 | 1°30 | 29°56 | 28°31 | T 7 |
| W 8 | 9 37 21 | 25°58'55 | 6♓10 | 5° 8 | 4° 6 | 7°22 | 18°34 | 10°54 | 12° 7 | 20°31 | 11°37 | 0°D55 | 1°27 | 0♑ 3 | 28°35 | W 8 |
| T 9 | 9 41 17 | 26°59'10 | 18°55 | 5°D 5 | 3°31 | 8° 5 | 18°48 | 10°57 | 12° 6 | 20°31 | 11°37 | 0°55 | 1°24 | 0°10 | 28°39 | T 9 |
| F 10 | 9 45 14 | 27°59'23 | 1♈52 | 5°10 | 2°55 | 8°49 | 19° 2 | 11° 0 | 12° 4 | 20°30 | 11°37 | 0°55 | 1°21 | 0°16 | 28°43 | F 10 |
| S 11 | 9 49 11 | 28°59'34 | 15° 2 | 5°20 | 2°18 | 9°33 | 19°16 | 11° 3 | 12° 3 | 20°29 | 11°38 | 0°55 | 1°17 | 0°23 | 28°47 | S 11 |
| S 12 | 9 53 7 | 29°59'42 | 28°27 | 5°36 | 1°40 | 10°17 | 19°31 | 11° 6 | 12° 1 | 20°28 | 11°38 | 0°56 | 1°14 | 0°30 | 28°51 | S 12 |
| M13 | 9 57 4 | 0♓59'49 | 12♉ 5 | 5°58 | 1° 3 | 11° 0 | 19°45 | 11° 9 | 11°59 | 20°27 | 11°39 | 0°R56 | 1°11 | 0°36 | 28°55 | M13 |
| T 14 | 10 1 0 | 1°59'54 | 25°57 | 6°25 | 0°25 | 11°44 | 19°59 | 11°12 | 11°58 | 20°26 | 11°40 | 0°D56 | 1° 8 | 0°43 | 28°59 | T 14 |
| W15 | 10 4 57 | 2°59'56 | 10♊ 2 | 6°56 | 29♒48 | 12°27 | 20°13 | 11°15 | 11°56 | 20°25 | 11°40 | 0°56 | 1° 5 | 0°50 | 29° 3 | W15 |
| T 16 | 10 8 53 | 3°59'57 | 24°18 | 7°32 | 29°11 | 13°11 | 20°27 | 11°17 | 11°54 | 20°24 | 11°41 | 0°56 | 1° 2 | 0°57 | 29° 7 | T 16 |
| F 17 | 10 12 50 | 4°59'55 | 8♋43 | 8°12 | 28°35 | 13°54 | 20°41 | 11°20 | 11°52 | 20°23 | 11°41 | 0°56 | 0°58 | 1° 3 | 29°11 | F 17 |
| S 18 | 10 16 46 | 5°59'50 | 23°13 | 8°56 | 28° 0 | 14°38 | 20°56 | 11°22 | 11°50 | 20°22 | 11°42 | 0°56 | 0°55 | 1°10 | 29°15 | S 18 |
| S 19 | 10 20 43 | 6°59'44 | 7♌44 | 9°44 | 27°26 | 15°21 | 21°10 | 11°25 | 11°48 | 20°21 | 11°43 | 0°57 | 0°52 | 1°17 | 29°19 | S 19 |
| M20 | 10 24 40 | 7°59'35 | 22°10 | 10°35 | 26°53 | 16° 4 | 21°24 | 11°27 | 11°46 | 20°20 | 11°43 | 0°57 | 0°49 | 1°23 | 29°23 | M20 |
| T 21 | 10 28 36 | 8°59'25 | 6♍26 | 11°29 | 26°23 | 16°48 | 21°39 | 11°29 | 11°44 | 20°19 | 11°44 | 0°R57 | 0°46 | 1°30 | 29°27 | T 21 |
| W22 | 10 32 33 | 9°59'12 | 20°27 | 12°26 | 25°54 | 17°31 | 21°53 | 11°31 | 11°42 | 20°18 | 11°45 | 0°57 | 0°42 | 1°37 | 29°31 | W22 |
| T 23 | 10 36 29 | 10°58'57 | 4♎ 9 | 13°26 | 25°27 | 18°14 | 22° 7 | 11°33 | 11°40 | 20°17 | 11°45 | 0°56 | 0°39 | 1°43 | 29°35 | T 23 |
| F 24 | 10 40 26 | 11°58'40 | 17°30 | 14°29 | 25° 2 | 18°57 | 22°22 | 11°35 | 11°38 | 20°15 | 11°46 | 0°55 | 0°36 | 1°50 | 29°39 | F 24 |
| S 25 | 10 44 22 | 12°58'22 | 0♏29 | 15°34 | 24°40 | 19°40 | 22°36 | 11°37 | 11°36 | 20°14 | 11°47 | 0°53 | 0°33 | 1°57 | 29°42 | S 25 |
| S 26 | 10 48 19 | 13°58'01 | 13° 9 | 16°41 | 24°19 | 20°23 | 22°50 | 11°39 | 11°34 | 20°13 | 11°48 | 0°51 | 0°30 | 2° 4 | 29°46 | S 26 |
| M27 | 10 52 15 | 14°57'39 | 25°30 | 17°50 | 24° 1 | 21° 6 | 23° 5 | 11°40 | 11°32 | 20°12 | 11°48 | 0°50 | 0°27 | 2°10 | 29°50 | M27 |
| T 28 | 10 56 12 | 15♓57'15 | 7♐37 | 19♒ 2 | 23♒46 | 21♈49 | 23♓19 | 11♐42 | 11♎30 | 20♎10 | 11♉49 | 0♓49 | 0♓23 | 2♑17 | 29♒54 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s13 | 27s24 | 5s11 | 14s45 | 3n33 | 2s 0 | 7n19 | 0n37 | 0s18 | 6s13 | 1s 8 | 20s33 | 1n36 | 4s15 | 0n41 | 6s23 | 1n50 | 1n43 | 14s20 | 11s10 | 10s53 | 28s 7 | 7s11 | 5n19 |
| T 2 | 14 54 | 28 15 | 4 52 | 15 6 | 3 25 | 1 58 | 7 30 | 0 55 | 0 17 | 6 8 | 1 8 | 20 33 | 1 36 | 4 14 | 0 41 | 6 23 | 1 50 | 1 44 | 14 19 | 11 10 | 10 54 | 28 7 | 7 10 | 5 19 |
| F 3 | 14 35 | 27 48 | 4 22 | 15 26 | 3 16 | 1 58 | 7 40 | 1 14 | 0 17 | 6 2 | 1 8 | 20 34 | 1 36 | 4 14 | 0 41 | 6 23 | 1 50 | 1 44 | 14 19 | 11 11 | 10 55 | 28 6 | 7 9 | 5 19 |
| S 4 | 14 15 | 26 4 | 3 39 | 15 46 | 3 5 | 1 59 | 7 50 | 1 32 | 0 16 | 5 57 | 1 8 | 20 34 | 1 36 | 4 13 | 0 41 | 6 22 | 1 50 | 1 44 | 14 19 | 11 11 | 10 56 | 28 6 | 7 8 | 5 19 |
| S 5 | 13 56 | 23 9 | 2 47 | 16 4 | 2 54 | 2 1 | 7 59 | 1 50 | 0 15 | 5 51 | 1 8 | 20 35 | 1 36 | 4 12 | 0 41 | 6 22 | 1 50 | 1 45 | 14 19 | 11 12 | 10 57 | 28 6 | 7 6 | 5 19 |
| M 6 | 13 36 | 19 10 | 1 46 | 16 21 | 2 42 | 2 4 | 8 8 | 2 8 | 0 14 | 5 46 | 1 8 | 20 35 | 1 36 | 4 12 | 0 41 | 6 22 | 1 50 | 1 45 | 14 18 | 11 12 | 10 58 | 28 5 | 7 5 | 5 19 |
| T 7 | 13 15 | 14 20 | 0 40 | 16 38 | 2 29 | 2 9 | 8 15 | 2 26 | 0 13 | 5 40 | 1 8 | 20 35 | 1 36 | 4 11 | 0 41 | 6 22 | 1 50 | 1 46 | 14 18 | 11 12 | 11 0 | 28 5 | 7 4 | 5 19 |
| W 8 | 12 55 | 8 50 | 0n29 | 16 52 | 2 16 | 2 15 | 8 22 | 2 45 | 0 13 | 5 35 | 1 8 | 20 36 | 1 36 | 4 11 | 0 41 | 6 21 | 1 50 | 1 46 | 14 18 | 11 12 | 11 1 | 28 4 | 7 2 | 5 19 |
| T 9 | 12 35 | 2 54 | 1 38 | 17 6 | 2 3 | 2 22 | 8 28 | 3 3 | 0 12 | 5 29 | 1 8 | 20 36 | 1 36 | 4 10 | 0 42 | 6 21 | 1 50 | 1 46 | 14 17 | 11 12 | 11 2 | 28 4 | 7 1 | 5 18 |
| F 10 | 12 14 | 3n14 | 2 43 | 17 18 | 1 50 | 2 30 | 8 33 | 3 21 | 0 11 | 5 24 | 1 8 | 20 36 | 1 37 | 4 9 | 0 42 | 6 20 | 1 50 | 1 47 | 14 17 | 11 12 | 11 3 | 28 4 | 7 0 | 5 18 |
| S 11 | 11 53 | 9 21 | 3 41 | 17 28 | 1 37 | 2 39 | 8 37 | 3 39 | 0 10 | 5 18 | 1 8 | 20 37 | 1 37 | 4 9 | 0 42 | 6 20 | 1 50 | 1 47 | 14 17 | 11 12 | 11 4 | 28 3 | 6 58 | 5 18 |
| S 12 | 11 32 | 15 8 | 4 28 | 17 37 | 1 23 | 2 49 | 8 41 | 3 57 | 0 9 | 5 13 | 1 8 | 20 37 | 1 37 | 4 8 | 0 42 | 6 20 | 1 50 | 1 48 | 14 16 | 11 12 | 11 5 | 28 3 | 6 57 | 5 18 |
| M13 | 11 10 | 20 17 | 5 0 | 17 44 | 1 10 | 3 0 | 8 43 | 4 15 | 0 9 | 5 7 | 1 8 | 20 37 | 1 37 | 4 7 | 0 42 | 6 19 | 1 50 | 1 48 | 14 16 | 11 12 | 11 6 | 28 2 | 6 56 | 5 18 |
| T 14 | 10 49 | 24 27 | 5 16 | 17 50 | 0 58 | 3 12 | 8 44 | 4 32 | 0 8 | 5 1 | 1 8 | 20 38 | 1 37 | 4 7 | 0 42 | 6 19 | 1 50 | 1 49 | 14 16 | 11 12 | 11 7 | 28 2 | 6 54 | 5 18 |
| W15 | 10 27 | 27 13 | 5 13 | 17 54 | 0 45 | 3 24 | 8 44 | 4 50 | 0 7 | 4 56 | 1 8 | 20 38 | 1 37 | 4 6 | 0 42 | 6 19 | 1 51 | 1 49 | 14 15 | 11 12 | 11 9 | 28 1 | 6 53 | 5 18 |
| T 16 | 10 5 | 28 17 | 4 51 | 17 57 | 0 33 | 3 38 | 8 44 | 5 8 | 0 6 | 4 50 | 1 8 | 20 38 | 1 37 | 4 5 | 0 42 | 6 18 | 1 51 | 1 50 | 14 15 | 11 12 | 11 10 | 28 1 | 6 52 | 5 18 |
| F 17 | 9 43 | 27 26 | 4 11 | 17 58 | 0 21 | 3 51 | 8 42 | 5 26 | 0 6 | 4 44 | 1 7 | 20 38 | 1 37 | 4 5 | 0 42 | 6 18 | 1 51 | 1 50 | 14 15 | 11 12 | 11 11 | 28 0 | 6 50 | 5 18 |
| S 18 | 9 21 | 24 44 | 3 14 | 17 58 | 0 9 | 4 6 | 8 39 | 5 43 | 0 5 | 4 39 | 1 7 | 20 39 | 1 37 | 4 4 | 0 42 | 6 17 | 1 51 | 1 51 | 14 14 | 11 12 | 11 12 | 28 0 | 6 49 | 5 18 |
| S 19 | 8 59 | 20 26 | 2 5 | 17 56 | 0s 2 | 4 20 | 8 36 | 6 1 | 0 4 | 4 33 | 1 7 | 20 39 | 1 37 | 4 3 | 0 42 | 6 17 | 1 51 | 1 51 | 14 14 | 11 11 | 11 13 | 27 59 | 6 48 | 5 18 |
| M20 | 8 37 | 14 57 | 0 49 | 17 52 | 0 13 | 4 35 | 8 31 | 6 18 | 0 3 | 4 27 | 1 7 | 20 39 | 1 38 | 4 2 | 0 42 | 6 16 | 1 51 | 1 51 | 14 14 | 11 11 | 11 14 | 27 59 | 6 46 | 5 18 |
| T 21 | 8 14 | 8 43 | 0s30 | 17 47 | 0 23 | 4 50 | 8 26 | 6 35 | 0 3 | 4 22 | 1 7 | 20 39 | 1 38 | 4 1 | 0 42 | 6 16 | 1 51 | 1 52 | 14 14 | 11 11 | 11 15 | 27 58 | 6 45 | 5 18 |
| W22 | 7 52 | 2 11 | 1 46 | 17 41 | 0 33 | 5 6 | 8 20 | 6 53 | 0 2 | 4 16 | 1 7 | 20 40 | 1 38 | 4 1 | 0 42 | 6 15 | 1 51 | 1 52 | 14 13 | 11 11 | 11 17 | 27 58 | 6 44 | 5 18 |
| T 23 | 7 29 | 4s19 | 2 54 | 17 33 | 0 43 | 5 21 | 8 14 | 7 10 | 0 1 | 4 10 | 1 7 | 20 40 | 1 38 | 4 0 | 0 42 | 6 15 | 1 51 | 1 53 | 14 13 | 11 12 | 11 18 | 27 57 | 6 42 | 5 18 |
| F 24 | 7 6 | 10 26 | 3 50 | 17 24 | 0 52 | 5 36 | 8 6 | 7 27 | 0 0 | 4 4 | 1 7 | 20 40 | 1 38 | 3 59 | 0 42 | 6 14 | 1 51 | 1 53 | 14 13 | 11 12 | 11 19 | 27 57 | 6 41 | 5 18 |
| S 25 | 6 43 | 15 57 | 4 33 | 17 13 | 1 1 | 5 51 | 7 58 | 7 44 | 0n 0 | 3 59 | 1 7 | 20 40 | 1 38 | 3 58 | 0 42 | 6 14 | 1 51 | 1 54 | 14 12 | 11 13 | 11 20 | 27 56 | 6 40 | 5 18 |
| S 26 | 6 20 | 20 38 | 5 1 | 17 0 | 1 9 | 6 5 | 7 50 | 8 1 | 0 1 | 3 53 | 1 7 | 20 40 | 1 38 | 3 57 | 0 42 | 6 13 | 1 51 | 1 54 | 14 12 | 11 13 | 11 21 | 27 55 | 6 38 | 5 18 |
| M27 | 5 57 | 24 19 | 5 15 | 16 47 | 1 17 | 6 20 | 7 40 | 8 18 | 0 2 | 3 47 | 1 7 | 20 40 | 1 38 | 3 56 | 0 42 | 6 13 | 1 51 | 1 55 | 14 12 | 11 14 | 11 22 | 27 55 | 6 37 | 5 18 |
| T 28 | 5s34 | 26s51 | 5s14 | 16s31 | 1s24 | 6s34 | 7n31 | 8n35 | 0n 3 | 3s42 | 1s 7 | 20s40 | 1n38 | 3s56 | 0n42 | 6s12 | 1n51 | 1n55 | 14s12 | 11s14 | 11s23 | 27s54 | 6s35 | 5n18 |

Julian Day Number = 2134917.5, Delta T = 16m03s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'14, Lahiri = 11°46'15 Julian Calendar 1 Feb. 1133 == Greg. Calendar 8 Feb. 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## MARCH 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 0 9 | 16♓56'50 | 19♐34 | 20♒16 | 23°R33 | 22♈32 | 23♓34 | 11♐43 | 11°R27 | 20°R 9 | 11♉50 | 0°D49 | 0♓20 | 2♑24 | 29♒58 | W 1 |
| T 2 | 11 4 5 | 17°56'22 | 1♑26 | 21°31 | 23♒22 | 23°15 | 23°48 | 11°45 | 11♎25 | 20♎ 8 | 11°51 | 0♓49 | 0°17 | 2°30 | 0♓ 2 | T 2 |
| F 3 | 11 8 2 | 18°55'53 | 13°17 | 22°49 | 23°14 | 23°58 | 24° 3 | 11°46 | 11°23 | 20° 7 | 11°52 | 0°51 | 0°14 | 2°37 | 0° 6 | F 3 |
| S 4 | 11 11 58 | 19°55'22 | 25°13 | 24° 8 | 23° 9 | 24°41 | 24°17 | 11°47 | 11°21 | 20° 5 | 11°53 | 0°52 | 0°11 | 2°44 | 0° 9 | S 4 |
| S 5 | 11 15 55 | 20°54'49 | 7♒17 | 25°29 | 23° 6 | 25°24 | 24°32 | 11°48 | 11°18 | 20° 4 | 11°54 | 0°54 | 0° 7 | 2°51 | 0°13 | S 5 |
| M 6 | 11 19 51 | 21°54'14 | 19°34 | 26°51 | 23°D 5 | 26° 6 | 24°46 | 11°49 | 11°16 | 20° 2 | 11°55 | 0°55 | 0° 4 | 2°57 | 0°17 | M 6 |
| T 7 | 11 23 48 | 22°53'37 | 2♓ 5 | 28°16 | 23° 7 | 26°49 | 25° 1 | 11°50 | 11°13 | 20° 1 | 11°55 | 0°R55 | 0° 1 | 3° 4 | 0°21 | T 7 |
| W 8 | 11 27 44 | 23°52'58 | 14°53 | 29°41 | 23°11 | 27°32 | 25°15 | 11°51 | 11°11 | 20° 0 | 11°56 | 0°55 | 29♒58 | 3°11 | 0°24 | W 8 |
| T 9 | 11 31 41 | 24°52'17 | 27°58 | 1♓ 9 | 23°17 | 28°14 | 25°30 | 11°51 | 11° 9 | 19°58 | 11°57 | 0°53 | 29°55 | 3°17 | 0°28 | T 9 |
| F 10 | 11 35 38 | 25°51'34 | 11♈20 | 2°38 | 23°26 | 28°57 | 25°44 | 11°52 | 11° 6 | 19°57 | 11°58 | 0°50 | 29°52 | 3°24 | 0°32 | F 10 |
| S 11 | 11 39 34 | 26°50'49 | 24°57 | 4° 8 | 23°36 | 29°39 | 25°59 | 11°52 | 11° 4 | 19°55 | 11°59 | 0°46 | 29°48 | 3°31 | 0°36 | S 11 |
| S 12 | 11 43 31 | 27°50'02 | 8♉47 | 5°40 | 23°49 | 0♉22 | 26°13 | 11°52 | 11° 1 | 19°54 | 12° 0 | 0°42 | 29°45 | 3°37 | 0°39 | S 12 |
| M13 | 11 47 27 | 28°49'12 | 22°46 | 7°13 | 24° 4 | 1° 4 | 26°28 | 11°53 | 10°59 | 19°52 | 12° 1 | 0°38 | 29°42 | 3°44 | 0°43 | M13 |
| T 14 | 11 51 24 | 29°48'20 | 6♊52 | 8°48 | 24°21 | 1°46 | 26°42 | 11°53 | 10°56 | 19°51 | 12° 2 | 0°35 | 29°39 | 3°51 | 0°46 | T 14 |
| W15 | 11 55 20 | 0♈47'26 | 21° 1 | 10°24 | 24°40 | 2°29 | 26°56 | 11°R53 | 10°54 | 19°49 | 12° 3 | 0°33 | 29°36 | 3°58 | 0°50 | W15 |
| T 16 | 11 59 17 | 1°46'30 | 5♋12 | 12° 2 | 25° 0 | 3°11 | 27°11 | 11°53 | 10°51 | 19°48 | 12° 5 | 0°D33 | 29°33 | 4° 4 | 0°54 | T 16 |
| F 17 | 12 3 13 | 2°45'31 | 19°23 | 13°41 | 25°23 | 3°53 | 27°25 | 11°53 | 10°49 | 19°46 | 12° 6 | 0°34 | 29°29 | 4°11 | 0°57 | F 17 |
| S 18 | 12 7 10 | 3°44'29 | 3♌31 | 15°22 | 25°47 | 4°36 | 27°40 | 11°52 | 10°46 | 19°45 | 12° 7 | 0°35 | 29°26 | 4°18 | 1° 1 | S 18 |
| S 19 | 12 11 7 | 4°43'26 | 17°35 | 17° 4 | 26°13 | 5°18 | 27°54 | 11°52 | 10°44 | 19°43 | 12° 8 | 0°37 | 29°23 | 4°24 | 1° 4 | S 19 |
| M20 | 12 15 3 | 5°42'20 | 1♍32 | 18°48 | 26°40 | 6° 0 | 28° 9 | 11°52 | 10°41 | 19°42 | 12° 9 | 0°R37 | 29°20 | 4°31 | 1° 7 | M20 |
| T 21 | 12 19 0 | 6°41'11 | 15°21 | 20°33 | 27° 9 | 6°42 | 28°23 | 11°51 | 10°38 | 19°40 | 12°10 | 0°36 | 29°17 | 4°38 | 1°11 | T 21 |
| W22 | 12 22 56 | 7°40'01 | 28°59 | 22°19 | 27°40 | 7°24 | 28°37 | 11°50 | 10°36 | 19°38 | 12°11 | 0°34 | 29°13 | 4°44 | 1°14 | W22 |
| T 23 | 12 26 53 | 8°38'48 | 12♎23 | 24° 7 | 28°12 | 8° 6 | 28°52 | 11°50 | 10°33 | 19°37 | 12°12 | 0°29 | 29°10 | 4°51 | 1°18 | T 23 |
| F 24 | 12 30 49 | 9°37'33 | 25°32 | 25°57 | 28°45 | 8°48 | 29° 6 | 11°49 | 10°31 | 19°35 | 12°13 | 0°23 | 29° 7 | 4°58 | 1°21 | F 24 |
| S 25 | 12 34 46 | 10°36'17 | 8♏24 | 27°48 | 29°20 | 9°30 | 29°21 | 11°48 | 10°28 | 19°34 | 12°15 | 0°16 | 29° 4 | 5° 4 | 1°24 | S 25 |
| S 26 | 12 38 42 | 11°34'58 | 21° 0 | 29°41 | 29°56 | 10°11 | 29°35 | 11°47 | 10°26 | 19°32 | 12°16 | 0° 9 | 29° 1 | 5°11 | 1°27 | S 26 |
| M27 | 12 42 39 | 12°33'38 | 3♐20 | 1♈35 | 0♓33 | 10°53 | 29°49 | 11°46 | 10°23 | 19°30 | 12°17 | 0° 3 | 28°58 | 5°18 | 1°31 | M27 |
| T 28 | 12 46 35 | 13°32'16 | 15°28 | 3°31 | 1°12 | 11°35 | 0♈ 3 | 11°44 | 10°21 | 19°29 | 12°18 | 29♒57 | 28°54 | 5°25 | 1°34 | T 28 |
| W29 | 12 50 32 | 14°30'53 | 27°25 | 5°28 | 1°51 | 12°17 | 0°18 | 11°43 | 10°18 | 19°27 | 12°19 | 29°54 | 28°51 | 5°31 | 1°37 | W29 |
| T 30 | 12 54 29 | 15°29'27 | 9♑17 | 7°27 | 2°32 | 12°58 | 0°32 | 11°42 | 10°15 | 19°25 | 12°21 | 29°52 | 28°48 | 5°38 | 1°40 | T 30 |
| F 31 | 12 58 25 | 16♈28'00 | 21♑ 8 | 9♈27 | 3♓14 | 13♉40 | 0♈46 | 11♐40 | 10♎13 | 19♎24 | 12♉22 | 29°D52 | 28♒45 | 5♑45 | 1♓43 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s11 | 28s 7 | 4s59 | 16s15 | 1s31 | 6s47 | 7n21 | 8n52 | 0n 3 | 3s36 | 1s 7 | 20s40 | 1n38 | 3s55 | 0n42 | 6s12 | 1n51 | 1n56 | 14s11 | 11s14 | 11s24 | 27s54 | 6s34 | 5n18 |
| T 2 | 4 47 | 28 5 | 4 32 | 15 56 | 1 38 | 7 0 | 7 11 | 9 8 | 0 4 | 3 30 | 1 7 | 20 41 | 1 39 | 3 54 | 0 42 | 6 11 | 1 51 | 1 56 | 14 11 | 11 14 | 11 26 | 27 53 | 6 33 | 5 18 |
| F 3 | 4 24 | 26 45 | 3 53 | 15 37 | 1 44 | 7 13 | 7 0 | 9 25 | 0 5 | 3 24 | 1 7 | 20 41 | 1 39 | 3 53 | 0 42 | 6 11 | 1 51 | 1 57 | 14 11 | 11 14 | 11 27 | 27 53 | 6 31 | 5 19 |
| S 4 | 4 1 | 24 13 | 3 4 | 15 16 | 1 50 | 7 25 | 6 49 | 9 41 | 0 5 | 3 18 | 1 7 | 20 41 | 1 39 | 3 52 | 0 42 | 6 10 | 1 51 | 1 57 | 14 11 | 11 13 | 11 28 | 27 52 | 6 30 | 5 19 |
| S 5 | 3 37 | 20 35 | 2 7 | 14 53 | 1 55 | 7 37 | 6 38 | 9 58 | 0 6 | 3 13 | 1 7 | 20 41 | 1 39 | 3 51 | 0 42 | 6 10 | 1 51 | 1 58 | 14 10 | 11 13 | 11 29 | 27 51 | 6 28 | 5 19 |
| M 6 | 3 14 | 16 0 | 1 2 | 14 30 | 2 0 | 7 47 | 6 27 | 10 14 | 0 7 | 3 7 | 1 7 | 20 41 | 1 39 | 3 50 | 0 42 | 6 9 | 1 51 | 1 58 | 14 10 | 11 12 | 11 30 | 27 51 | 6 27 | 5 19 |
| T 7 | 2 50 | 10 41 | 0n 6 | 14 4 | 2 4 | 7 58 | 6 16 | 10 30 | 0 7 | 3 1 | 1 7 | 20 41 | 1 39 | 3 49 | 0 42 | 6 9 | 1 51 | 1 59 | 14 10 | 11 12 | 11 31 | 27 50 | 6 26 | 5 19 |
| W 8 | 2 26 | 4 49 | 1 16 | 13 38 | 2 8 | 8 7 | 6 4 | 10 46 | 0 8 | 2 55 | 1 7 | 20 41 | 1 39 | 3 48 | 0 42 | 6 8 | 1 51 | 1 59 | 14 10 | 11 12 | 11 32 | 27 49 | 6 24 | 5 19 |
| T 9 | 2 3 | 1n23 | 2 23 | 13 10 | 2 11 | 8 16 | 5 53 | 11 2 | 0 9 | 2 50 | 1 7 | 20 41 | 1 39 | 3 47 | 0 42 | 6 8 | 1 51 | 2 0 | 14 9 | 11 13 | 11 33 | 27 49 | 6 23 | 5 19 |
| F 10 | 1 39 | 7 38 | 3 24 | 12 41 | 2 14 | 8 24 | 5 41 | 11 18 | 0 9 | 2 44 | 1 7 | 20 41 | 1 39 | 3 46 | 0 42 | 6 7 | 1 51 | 2 0 | 14 9 | 11 14 | 11 35 | 27 48 | 6 22 | 5 19 |
| S 11 | 1 16 | 13 38 | 4 14 | 12 10 | 2 17 | 8 32 | 5 30 | 11 34 | 0 10 | 2 38 | 1 7 | 20 41 | 1 39 | 3 45 | 0 42 | 6 6 | 1 51 | 2 1 | 14 9 | 11 15 | 11 36 | 27 47 | 6 20 | 5 19 |
| S 12 | 0 52 | 19 4 | 4 50 | 11 38 | 2 19 | 8 38 | 5 18 | 11 49 | 0 11 | 2 32 | 1 7 | 20 41 | 1 40 | 3 44 | 0 42 | 6 6 | 1 52 | 2 1 | 14 9 | 11 17 | 11 37 | 27 47 | 6 19 | 5 19 |
| M13 | 0 28 | 23 32 | 5 10 | 11 4 | 2 21 | 8 45 | 5 6 | 12 5 | 0 11 | 2 26 | 1 7 | 20 40 | 1 40 | 3 43 | 0 42 | 6 5 | 1 52 | 2 2 | 14 8 | 11 18 | 11 38 | 27 46 | 6 18 | 5 19 |
| T 14 | 0 5 | 26 40 | 5 11 | 10 30 | 2 22 | 8 50 | 4 55 | 12 20 | 0 12 | 2 21 | 1 7 | 20 40 | 1 40 | 3 42 | 0 42 | 6 5 | 1 52 | 2 2 | 14 8 | 11 19 | 11 39 | 27 45 | 6 16 | 5 19 |
| W15 | 0n19 | 28 7 | 4 53 | 9 54 | 2 22 | 8 55 | 4 43 | 12 35 | 0 13 | 2 15 | 1 7 | 20 40 | 1 40 | 3 41 | 0 42 | 6 4 | 1 52 | 2 3 | 14 8 | 11 20 | 11 40 | 27 45 | 6 15 | 5 20 |
| T 16 | 0 43 | 27 45 | 4 18 | 9 16 | 2 23 | 8 58 | 4 32 | 12 51 | 0 13 | 2 9 | 1 7 | 20 40 | 1 40 | 3 40 | 0 42 | 6 3 | 1 52 | 2 4 | 14 8 | 11 20 | 11 41 | 27 44 | 6 14 | 5 20 |
| F 17 | 1 6 | 25 33 | 3 26 | 8 38 | 2 22 | 9 2 | 4 21 | 13 6 | 0 14 | 2 3 | 1 7 | 20 40 | 1 40 | 3 39 | 0 42 | 6 3 | 1 52 | 2 4 | 14 8 | 11 19 | 11 42 | 27 43 | 6 12 | 5 20 |
| S 18 | 1 30 | 21 46 | 2 23 | 7 58 | 2 21 | 9 4 | 4 10 | 13 21 | 0 15 | 1 58 | 1 7 | 20 40 | 1 40 | 3 38 | 0 42 | 6 2 | 1 52 | 2 5 | 14 7 | 11 19 | 11 43 | 27 42 | 6 11 | 5 20 |
| S 19 | 1 53 | 16 46 | 1 11 | 7 17 | 2 20 | 9 6 | 3 59 | 13 35 | 0 15 | 1 52 | 1 7 | 20 40 | 1 40 | 3 37 | 0 42 | 6 2 | 1 52 | 2 5 | 14 7 | 11 19 | 11 45 | 27 42 | 6 10 | 5 20 |
| M20 | 2 17 | 10 54 | 0s 5 | 6 34 | 2 18 | 9 7 | 3 48 | 13 50 | 0 16 | 1 46 | 1 7 | 20 40 | 1 40 | 3 36 | 0 42 | 6 1 | 1 52 | 2 6 | 14 7 | 11 18 | 11 46 | 27 41 | 6 8 | 5 20 |
| T 21 | 2 40 | 4 35 | 1 19 | 5 51 | 2 16 | 9 7 | 3 37 | 14 5 | 0 17 | 1 41 | 1 7 | 20 39 | 1 40 | 3 35 | 0 42 | 6 0 | 1 52 | 2 6 | 14 7 | 11 19 | 11 47 | 27 40 | 6 7 | 5 20 |
| W22 | 3 3 | 1s51 | 2 28 | 5 6 | 2 13 | 9 7 | 3 26 | 14 19 | 0 17 | 1 35 | 1 7 | 20 39 | 1 41 | 3 34 | 0 42 | 6 0 | 1 52 | 2 7 | 14 7 | 11 20 | 11 48 | 27 39 | 6 6 | 5 20 |
| T 23 | 3 27 | 8 6 | 3 27 | 4 20 | 2 10 | 9 6 | 3 16 | 14 33 | 0 18 | 1 29 | 1 7 | 20 39 | 1 41 | 3 33 | 0 42 | 5 59 | 1 52 | 2 7 | 14 6 | 11 21 | 11 49 | 27 39 | 6 4 | 5 21 |
| F 24 | 3 50 | 13 52 | 4 14 | 3 32 | 2 6 | 9 4 | 3 5 | 14 47 | 0 18 | 1 23 | 1 8 | 20 39 | 1 41 | 3 32 | 0 42 | 5 58 | 1 52 | 2 8 | 14 6 | 11 23 | 11 50 | 27 38 | 6 3 | 5 21 |
| S 25 | 4 13 | 18 54 | 4 47 | 2 44 | 2 1 | 9 2 | 2 55 | 15 1 | 0 19 | 1 18 | 1 8 | 20 39 | 1 41 | 3 31 | 0 42 | 5 58 | 1 52 | 2 8 | 14 6 | 11 26 | 11 51 | 27 37 | 6 2 | 5 21 |
| S 26 | 4 36 | 23 0 | 5 5 | 1 54 | 1 56 | 8 58 | 2 45 | 15 15 | 0 20 | 1 12 | 1 8 | 20 38 | 1 41 | 3 30 | 0 42 | 5 57 | 1 52 | 2 9 | 14 6 | 11 28 | 11 52 | 27 36 | 6 0 | 5 21 |
| M27 | 4 59 | 25 58 | 5 9 | 1 4 | 1 51 | 8 55 | 2 35 | 15 29 | 0 20 | 1 6 | 1 8 | 20 38 | 1 41 | 3 29 | 0 42 | 5 57 | 1 52 | 2 9 | 14 6 | 11 31 | 11 53 | 27 36 | 5 59 | 5 21 |
| T 28 | 5 22 | 27 41 | 4 58 | 0 12 | 1 45 | 8 50 | 2 25 | 15 43 | 0 21 | 1 1 | 1 8 | 20 38 | 1 41 | 3 28 | 0 42 | 5 56 | 1 52 | 2 10 | 14 5 | 11 33 | 11 55 | 27 35 | 5 58 | 5 21 |
| W29 | 5 45 | 28 6 | 4 34 | 0n41 | 1 39 | 8 45 | 2 16 | 15 56 | 0 21 | 0 55 | 1 8 | 20 38 | 1 41 | 3 27 | 0 42 | 5 55 | 1 52 | 2 10 | 14 5 | 11 34 | 11 56 | 27 34 | 5 57 | 5 21 |
| T 30 | 6 8 | 27 12 | 3 59 | 1 34 | 1 32 | 8 39 | 2 7 | 16 9 | 0 22 | 0 49 | 1 8 | 20 37 | 1 41 | 3 26 | 0 42 | 5 55 | 1 52 | 2 11 | 14 5 | 11 34 | 11 57 | 27 33 | 5 55 | 5 22 |
| F 31 | 6n30 | 25s 4 | 3s14 | 2n28 | 1s24 | 8s33 | 1n57 | 16n23 | 0n23 | 0s44 | 1s 8 | 20s37 | 1n41 | 3s25 | 0n42 | 5s54 | 1n52 | 2n11 | 14s 5 | 11s34 | 11s58 | 27s32 | 5s54 | 5n22 |

Julian Day Number = 2134945.5, Delta T = 16m03s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'18, Lahiri = 11°46'19 Julian Calendar 1 March 1133 == Greg. Calendar 8 March 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## APRIL 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 2 22 | 17♈26'32 | 3♒ 4 | 11♈29 | 3♓57 | 14♉22 | 1♈ 0 | 11°R39 | 10°R10 | 19°R22 | 12♉23 | 29♒53 | 28♒42 | 5♑51 | 1♓46 | S 1 |
| S 2 | 13 6 18 | 18°25'01 | 15° 9 | 13°32 | 4°40 | 15° 3 | 1°14 | 11♐37 | 10♎ 8 | 19♎20 | 12°24 | 29°54 | 28°39 | 5°58 | 1°49 | S 2 |
| M 3 | 13 10 15 | 19°23'29 | 27°29 | 15°36 | 5°25 | 15°45 | 1°29 | 11°35 | 10° 5 | 19°19 | 12°26 | 29°R55 | 28°35 | 6° 5 | 1°52 | M 3 |
| T 4 | 13 14 11 | 20°21'55 | 10♓ 7 | 17°42 | 6°11 | 16°26 | 1°43 | 11°33 | 10° 3 | 19°17 | 12°27 | 29°54 | 28°32 | 6°11 | 1°55 | T 4 |
| W 5 | 13 18 8 | 21°20'19 | 23° 6 | 19°48 | 6°57 | 17° 8 | 1°57 | 11°31 | 10° 0 | 19°16 | 12°28 | 29°52 | 28°29 | 6°18 | 1°58 | W 5 |
| T 6 | 13 22 4 | 22°18'42 | 6♈28 | 21°56 | 7°44 | 17°49 | 2°11 | 11°29 | 9°58 | 19°14 | 12°29 | 29°47 | 28°26 | 6°25 | 2° 1 | T 6 |
| F 7 | 13 26 1 | 23°17'03 | 20°12 | 24° 4 | 8°32 | 18°30 | 2°25 | 11°27 | 9°55 | 19°12 | 12°31 | 29°40 | 28°23 | 6°32 | 2° 4 | F 7 |
| S 8 | 13 29 58 | 24°15'22 | 4♉15 | 26°13 | 9°21 | 19°12 | 2°39 | 11°25 | 9°53 | 19°11 | 12°32 | 29°32 | 28°19 | 6°38 | 2° 6 | S 8 |
| S 9 | 13 33 54 | 25°13'39 | 18°33 | 28°22 | 10°11 | 19°53 | 2°53 | 11°23 | 9°50 | 19° 9 | 12°33 | 29°23 | 28°16 | 6°45 | 2° 9 | S 9 |
| M10 | 13 37 51 | 26°11'54 | 2♊59 | 0♉31 | 11° 1 | 20°34 | 3° 7 | 11°20 | 9°48 | 19° 7 | 12°35 | 29°15 | 28°13 | 6°52 | 2°12 | M10 |
| T 11 | 13 41 47 | 27°10'08 | 17°28 | 2°39 | 11°52 | 21°15 | 3°20 | 11°18 | 9°45 | 19° 6 | 12°36 | 29° 8 | 28°10 | 6°58 | 2°15 | T 11 |
| W12 | 13 45 44 | 28° 8'19 | 1♋54 | 4°48 | 12°43 | 21°57 | 3°34 | 11°15 | 9°43 | 19° 4 | 12°37 | 29° 3 | 28° 7 | 7° 5 | 2°17 | W12 |
| T 13 | 13 49 40 | 29° 6'29 | 16°12 | 6°55 | 13°35 | 22°38 | 3°48 | 11°13 | 9°41 | 19° 3 | 12°39 | 29° 0 | 28° 4 | 7°12 | 2°20 | T 13 |
| F 14 | 13 53 37 | 0♌ 4'36 | 0♌21 | 9° 1 | 14°28 | 23°19 | 4° 2 | 11°10 | 9°38 | 19° 1 | 12°40 | 28°D59 | 28° 0 | 7°18 | 2°22 | F 14 |
| S 15 | 13 57 33 | 1° 2'41 | 14°18 | 11° 6 | 15°21 | 24° 0 | 4°15 | 11° 7 | 9°36 | 18°59 | 12°41 | 29° 0 | 27°57 | 7°25 | 2°25 | S 15 |
| S 16 | 14 1 30 | 2° 0'44 | 28° 4 | 13°10 | 16°15 | 24°41 | 4°29 | 11° 4 | 9°34 | 18°58 | 12°43 | 29°R 0 | 27°54 | 7°32 | 2°27 | S 16 |
| M17 | 14 5 27 | 2°58'46 | 11♍40 | 15°11 | 17° 9 | 25°22 | 4°43 | 11° 1 | 9°31 | 18°56 | 12°44 | 29° 0 | 27°51 | 7°38 | 2°29 | M17 |
| T 18 | 14 9 23 | 3°56'45 | 25° 4 | 17°10 | 18° 4 | 26° 3 | 4°56 | 10°58 | 9°29 | 18°55 | 12°45 | 28°57 | 27°48 | 7°45 | 2°32 | T 18 |
| W19 | 14 13 20 | 4°54'42 | 8♎18 | 19° 7 | 19° 0 | 26°43 | 5°10 | 10°55 | 9°27 | 18°53 | 12°47 | 28°52 | 27°44 | 7°52 | 2°34 | W19 |
| T 20 | 14 17 16 | 5°52'38 | 21°20 | 21° 0 | 19°56 | 27°24 | 5°23 | 10°52 | 9°25 | 18°51 | 12°48 | 28°44 | 27°41 | 7°59 | 2°36 | T 20 |
| F 21 | 14 21 13 | 6°50'32 | 4♏10 | 22°52 | 20°52 | 28° 5 | 5°37 | 10°49 | 9°22 | 18°50 | 12°49 | 28°33 | 27°38 | 8° 5 | 2°39 | F 21 |
| S 22 | 14 25 9 | 7°48'24 | 16°49 | 24°40 | 21°49 | 28°46 | 5°50 | 10°45 | 9°20 | 18°48 | 12°51 | 28°21 | 27°35 | 8°12 | 2°41 | S 22 |
| S 23 | 14 29 6 | 8°46'15 | 29°14 | 26°25 | 22°46 | 29°27 | 6° 3 | 10°42 | 9°18 | 18°47 | 12°52 | 28° 9 | 27°32 | 8°19 | 2°43 | S 23 |
| M24 | 14 33 2 | 9°44'05 | 11♐28 | 28° 7 | 23°44 | 0♊ 7 | 6°16 | 10°39 | 9°16 | 18°45 | 12°53 | 27°58 | 27°29 | 8°25 | 2°45 | M24 |
| T 25 | 14 36 59 | 10°41'53 | 23°32 | 29°45 | 24°42 | 0°48 | 6°30 | 10°35 | 9°14 | 18°44 | 12°55 | 27°48 | 27°25 | 8°32 | 2°47 | T 25 |
| W26 | 14 40 56 | 11°39'40 | 5♑27 | 1♊20 | 25°40 | 1°28 | 6°43 | 10°32 | 9°12 | 18°42 | 12°56 | 27°40 | 27°22 | 8°39 | 2°49 | W26 |
| T 27 | 14 44 52 | 12°37'26 | 17°17 | 2°52 | 26°39 | 2° 9 | 6°56 | 10°28 | 9°10 | 18°41 | 12°57 | 27°35 | 27°19 | 8°45 | 2°51 | T 27 |
| F 28 | 14 48 49 | 13°35'10 | 29° 7 | 4°20 | 27°38 | 2°50 | 7° 9 | 10°24 | 9° 8 | 18°39 | 12°59 | 27°32 | 27°16 | 8°52 | 2°53 | F 28 |
| S 29 | 14 52 45 | 14°32'54 | 11♒ 2 | 5°45 | 28°38 | 3°30 | 7°22 | 10°21 | 9° 6 | 18°38 | 13° 0 | 27°D31 | 27°13 | 8°59 | 2°54 | S 29 |
| S 30 | 14 56 42 | 15♉30'36 | 23♒ 6 | 7♊ 6 | 29♓38 | 4♊11 | 7♈35 | 10♐17 | 9♎ 4 | 18♎37 | 13♉ 1 | 27°R31 | 27♒10 | 9♑ 5 | 2♓56 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n53 | 21s50 | 2s20 | 3n24 | 1s16 | 8s26 | 1n48 | 16n36 | 0n23 | 0s38 | 1s 8 | 20s37 | 1n41 | 3s24 | 0n42 | 5s53 | 1n52 | 2n12 | 14s 5 | 11s34 | 11s59 | 27s31 | 5s53 | 5n22 |
| S 2 | 7 15 | 17 37 | 1 19 | 4 19 | 1 8 | 8 18 | 1 39 | 16 49 | 0 24 | 0 33 | 1 8 | 20 37 | 1 42 | 3 23 | 0 42 | 5 53 | 1 52 | 2 12 | 14 5 | 11 34 | 12 0 | 27 31 | 5 52 | 5 22 |
| M 3 | 7 37 | 12 37 | 0 13 | 5 16 | 0 59 | 8 10 | 1 31 | 17 1 | 0 24 | 0 27 | 1 8 | 20 36 | 1 42 | 3 22 | 0 42 | 5 52 | 1 52 | 2 13 | 14 4 | 11 33 | 12 1 | 27 30 | 5 50 | 5 22 |
| T 4 | 8 0 | 6 58 | 0n55 | 6 12 | 0 50 | 8 1 | 1 22 | 17 14 | 0 25 | 0 21 | 1 8 | 20 36 | 1 42 | 3 21 | 0 42 | 5 52 | 1 52 | 2 13 | 14 4 | 11 34 | 12 2 | 27 29 | 5 49 | 5 23 |
| W 5 | 8 22 | 0 54 | 2 1 | 7 10 | 0 40 | 7 52 | 1 14 | 17 26 | 0 26 | 0 16 | 1 8 | 20 36 | 1 42 | 3 20 | 0 42 | 5 51 | 1 52 | 2 14 | 14 4 | 11 34 | 12 3 | 27 28 | 5 48 | 5 23 |
| T 6 | 8 44 | 5n23 | 3 3 | 8 7 | 0 30 | 7 42 | 1 6 | 17 38 | 0 26 | 0 10 | 1 8 | 20 35 | 1 42 | 3 19 | 0 42 | 5 50 | 1 52 | 2 14 | 14 4 | 11 36 | 12 5 | 27 27 | 5 47 | 5 23 |
| F 7 | 9 5 | 11 34 | 3 56 | 9 4 | 0 20 | 7 31 | 0 58 | 17 51 | 0 27 | 0 5 | 1 8 | 20 35 | 1 42 | 3 18 | 0 42 | 5 50 | 1 52 | 2 15 | 14 4 | 11 38 | 12 6 | 27 26 | 5 46 | 5 23 |
| S 8 | 9 27 | 17 19 | 4 36 | 10 1 | 0 10 | 7 20 | 0 50 | 18 3 | 0 27 | 0n 1 | 1 8 | 20 34 | 1 42 | 3 17 | 0 42 | 5 49 | 1 52 | 2 15 | 14 4 | 11 41 | 12 7 | 27 25 | 5 44 | 5 23 |
| S 9 | 9 48 | 22 13 | 5 0 | 10 57 | 0n 1 | 7 8 | 0 42 | 18 14 | 0 28 | 0 6 | 1 8 | 20 34 | 1 42 | 3 16 | 0 42 | 5 48 | 1 52 | 2 16 | 14 4 | 11 45 | 12 8 | 27 24 | 5 43 | 5 24 |
| M10 | 10 10 | 25 50 | 5 4 | 11 53 | 0 11 | 6 56 | 0 35 | 18 26 | 0 28 | 0 12 | 1 8 | 20 34 | 1 42 | 3 16 | 0 42 | 5 48 | 1 52 | 2 16 | 14 4 | 11 47 | 12 9 | 27 24 | 5 42 | 5 24 |
| T 11 | 10 31 | 27 46 | 4 50 | 12 48 | 0 22 | 6 43 | 0 27 | 18 37 | 0 29 | 0 17 | 1 9 | 20 33 | 1 42 | 3 15 | 0 42 | 5 47 | 1 52 | 2 17 | 14 3 | 11 50 | 12 10 | 27 23 | 5 41 | 5 24 |
| W12 | 10 52 | 27 49 | 4 17 | 13 42 | 0 33 | 6 30 | 0 20 | 18 49 | 0 29 | 0 23 | 1 9 | 20 33 | 1 42 | 3 14 | 0 42 | 5 47 | 1 52 | 2 17 | 14 3 | 11 52 | 12 11 | 27 22 | 5 40 | 5 24 |
| T 13 | 11 13 | 26 0 | 3 28 | 14 34 | 0 44 | 6 17 | 0 13 | 19 0 | 0 30 | 0 28 | 1 9 | 20 32 | 1 42 | 3 13 | 0 42 | 5 46 | 1 52 | 2 17 | 14 3 | 11 53 | 12 12 | 27 21 | 5 39 | 5 24 |
| F 14 | 11 33 | 22 34 | 2 27 | 15 25 | 0 54 | 6 3 | 0 7 | 19 11 | 0 30 | 0 33 | 1 9 | 20 32 | 1 42 | 3 12 | 0 42 | 5 45 | 1 52 | 2 18 | 14 3 | 11 53 | 12 13 | 27 20 | 5 38 | 5 25 |
| S 15 | 11 54 | 17 51 | 1 18 | 16 15 | 1 4 | 5 48 | 0s 0 | 19 22 | 0 31 | 0 39 | 1 9 | 20 32 | 1 42 | 3 11 | 0 42 | 5 45 | 1 52 | 2 18 | 14 3 | 11 53 | 12 15 | 27 19 | 5 37 | 5 25 |
| S 16 | 12 14 | 12 17 | 0 5 | 17 2 | 1 14 | 5 33 | 0 7 | 19 32 | 0 31 | 0 44 | 1 9 | 20 31 | 1 42 | 3 10 | 0 42 | 5 44 | 1 52 | 2 19 | 14 3 | 11 53 | 12 16 | 27 18 | 5 35 | 5 25 |
| M17 | 12 34 | 6 11 | 1s 7 | 17 48 | 1 23 | 5 18 | 0 13 | 19 43 | 0 32 | 0 50 | 1 9 | 20 31 | 1 42 | 3 9 | 0 42 | 5 44 | 1 52 | 2 19 | 14 3 | 11 53 | 12 17 | 27 17 | 5 34 | 5 25 |
| T 18 | 12 54 | 0s 5 | 2 14 | 18 31 | 1 32 | 5 2 | 0 19 | 19 53 | 0 33 | 0 55 | 1 9 | 20 30 | 1 43 | 3 8 | 0 42 | 5 43 | 1 52 | 2 20 | 14 3 | 11 54 | 12 18 | 27 16 | 5 33 | 5 26 |
| W19 | 13 13 | 6 15 | 3 13 | 19 12 | 1 41 | 4 45 | 0 25 | 20 3 | 0 33 | 1 0 | 1 9 | 20 30 | 1 43 | 3 7 | 0 42 | 5 42 | 1 52 | 2 20 | 14 3 | 11 56 | 12 19 | 27 15 | 5 32 | 5 26 |
| T 20 | 13 33 | 12 4 | 4 1 | 19 50 | 1 48 | 4 29 | 0 31 | 20 13 | 0 34 | 1 5 | 1 9 | 20 29 | 1 43 | 3 7 | 0 42 | 5 42 | 1 52 | 2 21 | 14 3 | 11 58 | 12 20 | 27 14 | 5 31 | 5 26 |
| F 21 | 13 52 | 17 17 | 4 35 | 20 26 | 1 56 | 4 12 | 0 37 | 20 23 | 0 34 | 1 11 | 1 9 | 20 29 | 1 43 | 3 6 | 0 42 | 5 41 | 1 52 | 2 21 | 14 3 | 12 2 | 12 21 | 27 13 | 5 30 | 5 26 |
| S 22 | 14 11 | 21 39 | 4 56 | 21 0 | 2 2 | 3 54 | 0 42 | 20 32 | 0 35 | 1 16 | 1 9 | 20 28 | 1 43 | 3 5 | 0 42 | 5 41 | 1 52 | 2 22 | 14 3 | 12 6 | 12 22 | 27 12 | 5 29 | 5 26 |
| S 23 | 14 29 | 24 59 | 5 1 | 21 31 | 2 8 | 3 36 | 0 47 | 20 42 | 0 35 | 1 21 | 1 10 | 20 28 | 1 43 | 3 4 | 0 42 | 5 40 | 1 52 | 2 22 | 14 3 | 12 10 | 12 23 | 27 11 | 5 28 | 5 27 |
| M24 | 14 48 | 27 6 | 4 53 | 21 59 | 2 13 | 3 18 | 0 52 | 20 51 | 0 36 | 1 26 | 1 10 | 20 27 | 1 43 | 3 3 | 0 42 | 5 40 | 1 52 | 2 22 | 14 3 | 12 14 | 12 24 | 27 10 | 5 27 | 5 27 |
| T 25 | 15 6 | 27 56 | 4 32 | 22 25 | 2 17 | 3 0 | 0 58 | 21 0 | 0 36 | 1 31 | 1 10 | 20 27 | 1 43 | 3 2 | 0 41 | 5 39 | 1 52 | 2 23 | 14 2 | 12 18 | 12 25 | 27 9 | 5 26 | 5 27 |
| W26 | 15 24 | 27 25 | 3 59 | 22 49 | 2 20 | 2 41 | 1 2 | 21 9 | 0 36 | 1 36 | 1 10 | 20 26 | 1 43 | 3 2 | 0 41 | 5 39 | 1 52 | 2 23 | 14 2 | 12 20 | 12 27 | 27 8 | 5 26 | 5 27 |
| T 27 | 15 42 | 25 40 | 3 16 | 23 10 | 2 23 | 2 22 | 1 7 | 21 18 | 0 37 | 1 42 | 1 10 | 20 26 | 1 43 | 3 1 | 0 41 | 5 38 | 1 52 | 2 24 | 14 2 | 12 22 | 12 28 | 27 7 | 5 25 | 5 28 |
| F 28 | 16 0 | 22 47 | 2 25 | 23 29 | 2 25 | 2 2 | 1 12 | 21 26 | 0 37 | 1 47 | 1 10 | 20 25 | 1 43 | 3 0 | 0 41 | 5 37 | 1 52 | 2 24 | 14 2 | 12 23 | 12 29 | 27 6 | 5 24 | 5 28 |
| S 29 | 16 17 | 18 56 | 1 26 | 23 45 | 2 26 | 1 42 | 1 16 | 21 34 | 0 38 | 1 52 | 1 10 | 20 25 | 1 43 | 2 59 | 0 41 | 5 37 | 1 52 | 2 25 | 14 2 | 12 23 | 12 30 | 27 5 | 5 23 | 5 28 |
| S 30 | 16n34 | 14s15 | 0s23 | 24n 0 | 2n26 | 1s22 | 1s20 | 21n43 | 0n38 | 1n57 | 1s10 | 20s24 | 1n43 | 2s59 | 0n41 | 5s36 | 1n52 | 2n25 | 14s 2 | 12s23 | 12s31 | 27s 4 | 5s22 | 5n29 |

Julian Day Number = 2134976.5, Delta T = 16m03s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'23, Lahiri = 11°46'23 Julian Calendar 1 Apr. 1133 == Greg. Calendar 8 Apr. 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## MAY 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 0 38 | 16♉28'17 | 5♓25 | 8♊23 | 0♈38 | 4♊51 | 7♈47 | 10°R13 | 9°R 2 | 18°R35 | 13♉ 3 | 27°R31 | 27♒ 6 | 9♋12 | 2♓58 | M 1 |
| T 2 | 15 4 35 | 17°25'57 | 18° 4 | 9°37 | 1°39 | 5°31 | 8° 0 | 10♐ 9 | 9♎ 0 | 18♎34 | 13° 4 | 27♒30 | 27° 3 | 9°19 | 2°59 | T 2 |
| W 3 | 15 8 31 | 18°23'36 | 1♈ 7 | 10°47 | 2°40 | 6°12 | 8°13 | 10° 5 | 8°58 | 18°32 | 13° 6 | 27°27 | 27° 0 | 9°25 | 3° 1 | W 3 |
| T 4 | 15 12 28 | 19°21'13 | 14°36 | 11°53 | 3°41 | 6°52 | 8°25 | 10° 1 | 8°57 | 18°31 | 13° 7 | 27°20 | 26°57 | 9°32 | 3° 3 | T 4 |
| F 5 | 15 16 25 | 20°18'50 | 28°33 | 12°55 | 4°42 | 7°32 | 8°38 | 9°57 | 8°55 | 18°30 | 13° 8 | 27°12 | 26°54 | 9°39 | 3° 4 | F 5 |
| S 6 | 15 20 21 | 21°16'26 | 12♉54 | 13°53 | 5°44 | 8°13 | 8°50 | 9°53 | 8°53 | 18°28 | 13°10 | 27° 1 | 26°50 | 9°46 | 3° 6 | S 6 |
| S 7 | 15 24 18 | 22°14'00 | 27°34 | 14°48 | 6°46 | 8°53 | 9° 3 | 9°49 | 8°52 | 18°27 | 13°11 | 26°50 | 26°47 | 9°52 | 3° 7 | S 7 |
| M 8 | 15 28 14 | 23°11'34 | 12♊25 | 15°38 | 7°49 | 9°33 | 9°15 | 9°45 | 8°50 | 18°26 | 13°12 | 26°39 | 26°44 | 9°59 | 3° 8 | M 8 |
| T 9 | 15 32 11 | 24° 9'06 | 27°19 | 16°24 | 8°51 | 10°13 | 9°27 | 9°41 | 8°48 | 18°24 | 13°14 | 26°30 | 26°41 | 10° 6 | 3°10 | T 9 |
| W10 | 15 36 7 | 25° 6'37 | 12♋ 6 | 17° 6 | 9°54 | 10°53 | 9°40 | 9°37 | 8°47 | 18°23 | 13°15 | 26°23 | 26°38 | 10°12 | 3°11 | W10 |
| T 11 | 15 40 4 | 26° 4'07 | 26°41 | 17°43 | 10°57 | 11°33 | 9°52 | 9°33 | 8°45 | 18°22 | 13°16 | 26°19 | 26°35 | 10°19 | 3°12 | T 11 |
| F 12 | 15 44 0 | 27° 1'35 | 10♌58 | 18°17 | 12° 0 | 12°13 | 10° 4 | 9°28 | 8°44 | 18°21 | 13°18 | 26°17 | 26°31 | 10°26 | 3°13 | F 12 |
| S 13 | 15 47 57 | 27°59'02 | 24°57 | 18°45 | 13° 4 | 12°53 | 10°16 | 9°24 | 8°43 | 18°20 | 13°19 | 26°17 | 26°28 | 10°32 | 3°14 | S 13 |
| S 14 | 15 51 54 | 28°56'27 | 8♍38 | 19° 9 | 14° 7 | 13°33 | 10°28 | 9°20 | 8°41 | 18°18 | 13°20 | 26°17 | 26°25 | 10°39 | 3°15 | S 14 |
| M15 | 15 55 50 | 29°53'51 | 22° 1 | 19°29 | 15°11 | 14°13 | 10°39 | 9°16 | 8°40 | 18°17 | 13°22 | 26°16 | 26°22 | 10°46 | 3°16 | M15 |
| T 16 | 15 59 47 | 0♊51'14 | 5♎10 | 19°44 | 16°15 | 14°53 | 10°51 | 9°11 | 8°39 | 18°16 | 13°23 | 26°12 | 26°19 | 10°52 | 3°17 | T 16 |
| W17 | 16 3 43 | 1°48'36 | 18° 5 | 19°54 | 17°19 | 15°33 | 11° 3 | 9° 7 | 8°37 | 18°15 | 13°24 | 26° 7 | 26°16 | 10°59 | 3°18 | W17 |
| T 18 | 16 7 40 | 2°45'57 | 0♏48 | 20° 0 | 18°24 | 16°13 | 11°14 | 9° 2 | 8°36 | 18°14 | 13°25 | 25°58 | 26°12 | 11° 6 | 3°19 | T 18 |
| F 19 | 16 11 36 | 3°43'17 | 13°21 | 20°R 1 | 19°29 | 16°53 | 11°26 | 8°58 | 8°35 | 18°13 | 13°27 | 25°47 | 26° 9 | 11°12 | 3°19 | F 19 |
| S 20 | 16 15 33 | 4°40'35 | 25°44 | 19°58 | 20°33 | 17°33 | 11°37 | 8°54 | 8°34 | 18°12 | 13°28 | 25°34 | 26° 6 | 11°19 | 3°20 | S 20 |
| S 21 | 16 19 29 | 5°37'54 | 7♐57 | 19°50 | 21°38 | 18°12 | 11°48 | 8°49 | 8°33 | 18°11 | 13°29 | 25°21 | 26° 3 | 11°26 | 3°21 | S 21 |
| M22 | 16 23 26 | 6°35'11 | 20° 1 | 19°39 | 22°44 | 18°52 | 11°59 | 8°45 | 8°32 | 18°10 | 13°31 | 25° 8 | 26° 0 | 11°33 | 3°21 | M22 |
| T 23 | 16 27 23 | 7°32'28 | 1♑59 | 19°23 | 23°49 | 19°32 | 12°10 | 8°40 | 8°31 | 18° 9 | 13°32 | 24°57 | 25°56 | 11°39 | 3°22 | T 23 |
| W24 | 16 31 19 | 8°29'44 | 13°51 | 19° 3 | 24°55 | 20°11 | 12°21 | 8°36 | 8°30 | 18° 8 | 13°33 | 24°48 | 25°53 | 11°46 | 3°22 | W24 |
| T 25 | 16 35 16 | 9°26'59 | 25°39 | 18°40 | 26° 0 | 20°51 | 12°32 | 8°32 | 8°29 | 18° 7 | 13°34 | 24°43 | 25°50 | 11°53 | 3°22 | T 25 |
| F 26 | 16 39 12 | 10°24'14 | 7♒28 | 18°14 | 27° 6 | 21°31 | 12°43 | 8°27 | 8°29 | 18° 6 | 13°36 | 24°39 | 25°47 | 11°59 | 3°23 | F 26 |
| S 27 | 16 43 9 | 11°21'29 | 19°22 | 17°45 | 28°12 | 22°10 | 12°54 | 8°23 | 8°28 | 18° 6 | 13°37 | 24°D38 | 25°44 | 12° 6 | 3°23 | S 27 |
| S 28 | 16 47 5 | 12°18'43 | 1♓25 | 17°14 | 29°19 | 22°50 | 13° 4 | 8°18 | 8°27 | 18° 5 | 13°38 | 24°38 | 25°41 | 12°13 | 3°23 | S 28 |
| M29 | 16 51 2 | 13°15'57 | 13°42 | 16°41 | 0♉25 | 23°29 | 13°15 | 8°14 | 8°27 | 18° 4 | 13°39 | 24°R38 | 25°37 | 12°19 | 3°23 | M29 |
| T 30 | 16 54 59 | 14°13'11 | 26°19 | 16° 7 | 1°31 | 24° 9 | 13°25 | 8° 9 | 8°26 | 18° 3 | 13°40 | 24°38 | 25°34 | 12°26 | 3°23 | T 30 |
| W31 | 16 58 55 | 15♊10'25 | 9♈21 | 15♊33 | 2♉38 | 24♊48 | 13♈35 | 8♐ 5 | 8♎25 | 18♎ 3 | 13♉42 | 24♒35 | 25♒31 | 12♋33 | 3°R23 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 16n51 | 8s56 | 0n42 | 24n12 | 2n25 | 1s 2 | 1s24 | 21n51 | 0n39 | 2n 2 | 1s10 | 20s23 | 1n43 | 2s58 | 0n41 | 5s36 | 1n52 | 2n25 | 14s 2 | 12s23 | 12s32 | 27s 3 | 5s21 | 5n29 | |
| T 2 | 17 7 | 3 7 | 1 47 | 24 21 | 2 23 | 0 41 | 1 28 | 21 58 | 0 39 | 2 7 | 1 11 | 20 23 | 1 43 | 2 57 | 0 41 | 5 35 | 1 52 | 2 26 | 14 2 | 12 24 | 12 33 | 27 2 | 5 20 | 5 29 | |
| W 3 | 17 23 | 3n 0 | 2 48 | 24 29 | 2 21 | 0 21 | 1 32 | 22 6 | 0 40 | 2 11 | 1 11 | 20 22 | 1 43 | 2 57 | 0 41 | 5 35 | 1 51 | 2 26 | 14 2 | 12 25 | 12 34 | 27 1 | 5 19 | 5 29 | |
| T 4 | 17 39 | 9 11 | 3 42 | 24 35 | 2 17 | 0n 0 | 1 36 | 22 13 | 0 40 | 2 16 | 1 11 | 20 22 | 1 43 | 2 56 | 0 41 | 5 34 | 1 51 | 2 26 | 14 2 | 12 27 | 12 35 | 27 0 | 5 19 | 5 30 | |
| F 5 | 17 55 | 15 7 | 4 24 | 24 39 | 2 13 | 0 22 | 1 39 | 22 20 | 0 41 | 2 21 | 1 11 | 20 21 | 1 43 | 2 55 | 0 41 | 5 34 | 1 51 | 2 27 | 14 2 | 12 30 | 12 36 | 26 58 | 5 18 | 5 30 | |
| S 6 | 18 10 | 20 24 | 4 51 | 24 41 | 2 7 | 0 43 | 1 43 | 22 27 | 0 41 | 2 26 | 1 11 | 20 21 | 1 43 | 2 55 | 0 41 | 5 33 | 1 51 | 2 27 | 14 2 | 12 34 | 12 38 | 26 57 | 5 17 | 5 30 | |
| S 7 | 18 25 | 24 35 | 5 0 | 24 41 | 2 1 | 1 5 | 1 46 | 22 34 | 0 42 | 2 31 | 1 11 | 20 20 | 1 43 | 2 54 | 0 41 | 5 33 | 1 51 | 2 28 | 14 2 | 12 38 | 12 39 | 26 56 | 5 16 | 5 30 | |
| M 8 | 18 40 | 27 10 | 4 49 | 24 40 | 1 54 | 1 27 | 1 49 | 22 41 | 0 42 | 2 35 | 1 11 | 20 19 | 1 43 | 2 53 | 0 41 | 5 33 | 1 51 | 2 28 | 14 2 | 12 41 | 12 40 | 26 55 | 5 16 | 5 31 | |
| T 9 | 18 54 | 27 50 | 4 19 | 24 37 | 1 46 | 1 49 | 1 52 | 22 47 | 0 42 | 2 40 | 1 11 | 20 19 | 1 43 | 2 53 | 0 41 | 5 32 | 1 51 | 2 28 | 14 2 | 12 45 | 12 41 | 26 54 | 5 15 | 5 31 | |
| W10 | 19 8 | 26 30 | 3 31 | 24 32 | 1 37 | 2 11 | 1 55 | 22 53 | 0 43 | 2 45 | 1 12 | 20 18 | 1 43 | 2 52 | 0 41 | 5 32 | 1 51 | 2 29 | 14 2 | 12 47 | 12 42 | 26 53 | 5 14 | 5 31 | |
| T 11 | 19 22 | 23 22 | 2 30 | 24 26 | 1 28 | 2 33 | 1 57 | 23 0 | 0 43 | 2 50 | 1 12 | 20 18 | 1 43 | 2 52 | 0 41 | 5 31 | 1 51 | 2 29 | 14 2 | 12 48 | 12 43 | 26 52 | 5 14 | 5 32 | |
| F 12 | 19 35 | 18 51 | 1 20 | 24 19 | 1 17 | 2 56 | 2 0 | 23 5 | 0 44 | 2 54 | 1 12 | 20 17 | 1 43 | 2 51 | 0 41 | 5 31 | 1 51 | 2 29 | 14 2 | 12 49 | 12 44 | 26 51 | 5 13 | 5 32 | |
| S 13 | 19 48 | 13 23 | 0 7 | 24 10 | 1 6 | 3 18 | 2 2 | 23 11 | 0 44 | 2 59 | 1 12 | 20 16 | 1 43 | 2 51 | 0 41 | 5 30 | 1 51 | 2 30 | 14 3 | 12 49 | 12 45 | 26 49 | 5 12 | 5 32 | |
| S 14 | 20 1 | 7 22 | 1s 5 | 24 0 | 0 53 | 3 41 | 2 4 | 23 16 | 0 45 | 3 3 | 1 12 | 20 16 | 1 43 | 2 50 | 0 41 | 5 30 | 1 51 | 2 30 | 14 3 | 12 49 | 12 46 | 26 48 | 5 12 | 5 32 | |
| M15 | 20 14 | 1 10 | 2 12 | 23 48 | 0 40 | 4 4 | 2 6 | 23 22 | 0 45 | 3 8 | 1 12 | 20 15 | 1 43 | 2 50 | 0 41 | 5 30 | 1 51 | 2 30 | 14 3 | 12 49 | 12 47 | 26 47 | 5 11 | 5 33 | |
| T 16 | 20 26 | 4s58 | 3 10 | 23 36 | 0 26 | 4 27 | 2 8 | 23 27 | 0 45 | 3 12 | 1 13 | 20 15 | 1 43 | 2 49 | 0 41 | 5 29 | 1 51 | 2 31 | 14 3 | 12 50 | 12 48 | 26 46 | 5 10 | 5 33 | |
| W17 | 20 37 | 10 47 | 3 57 | 23 22 | 0 12 | 4 50 | 2 10 | 23 32 | 0 46 | 3 17 | 1 13 | 20 14 | 1 43 | 2 49 | 0 41 | 5 29 | 1 51 | 2 31 | 14 3 | 12 53 | 12 49 | 26 45 | 5 10 | 5 33 | |
| T 18 | 20 49 | 16 3 | 4 32 | 23 7 | 0s 3 | 5 13 | 2 12 | 23 36 | 0 46 | 3 21 | 1 13 | 20 13 | 1 43 | 2 48 | 0 41 | 5 28 | 1 51 | 2 31 | 14 3 | 12 55 | 12 51 | 26 43 | 5 9 | 5 34 | |
| F 19 | 21 0 | 20 34 | 4 53 | 22 52 | 0 19 | 5 36 | 2 14 | 23 41 | 0 47 | 3 25 | 1 13 | 20 13 | 1 43 | 2 48 | 0 41 | 5 28 | 1 51 | 2 32 | 14 3 | 12 59 | 12 52 | 26 42 | 5 9 | 5 34 | |
| S 20 | 21 10 | 24 8 | 5 0 | 22 36 | 0 35 | 5 59 | 2 15 | 23 45 | 0 47 | 3 30 | 1 13 | 20 12 | 1 42 | 2 47 | 0 41 | 5 28 | 1 51 | 2 32 | 14 3 | 13 4 | 12 53 | 26 41 | 5 8 | 5 34 | |
| S 21 | 21 21 | 26 33 | 4 53 | 22 18 | 0 51 | 6 22 | 2 16 | 23 49 | 0 47 | 3 34 | 1 13 | 20 11 | 1 42 | 2 47 | 0 41 | 5 27 | 1 51 | 2 32 | 14 3 | 13 8 | 12 54 | 26 40 | 5 8 | 5 34 | |
| M22 | 21 31 | 27 43 | 4 33 | 22 1 | 1 8 | 6 45 | 2 18 | 23 53 | 0 48 | 3 38 | 1 13 | 20 11 | 1 42 | 2 47 | 0 41 | 5 27 | 1 51 | 2 32 | 14 3 | 13 12 | 12 55 | 26 39 | 5 7 | 5 35 | |
| T 23 | 21 40 | 27 33 | 4 1 | 21 43 | 1 25 | 7 8 | 2 19 | 23 56 | 0 48 | 3 42 | 1 14 | 20 10 | 1 42 | 2 46 | 0 41 | 5 27 | 1 51 | 2 33 | 14 3 | 13 16 | 12 56 | 26 37 | 5 7 | 5 35 | |
| W24 | 21 50 | 26 7 | 3 18 | 21 24 | 1 42 | 7 32 | 2 20 | 24 0 | 0 49 | 3 46 | 1 14 | 20 10 | 1 42 | 2 46 | 0 41 | 5 26 | 1 51 | 2 33 | 14 3 | 13 19 | 12 57 | 26 36 | 5 6 | 5 35 | |
| T 25 | 21 58 | 23 31 | 2 27 | 21 5 | 1 59 | 7 55 | 2 20 | 24 3 | 0 49 | 3 50 | 1 14 | 20 9 | 1 42 | 2 46 | 0 40 | 5 26 | 1 51 | 2 33 | 14 3 | 13 21 | 12 58 | 26 35 | 5 6 | 5 36 | |
| F 26 | 22 7 | 19 56 | 1 30 | 20 46 | 2 16 | 8 18 | 2 21 | 24 6 | 0 49 | 3 55 | 1 14 | 20 8 | 1 42 | 2 45 | 0 40 | 5 26 | 1 51 | 2 33 | 14 3 | 13 22 | 12 59 | 26 34 | 5 6 | 5 36 | |
| S 27 | 22 15 | 15 32 | 0 28 | 20 28 | 2 32 | 8 41 | 2 22 | 24 9 | 0 50 | 3 59 | 1 14 | 20 8 | 1 42 | 2 45 | 0 40 | 5 26 | 1 51 | 2 34 | 14 4 | 13 22 | 13 0 | 26 32 | 5 5 | 5 36 | |
| S 28 | 22 23 | 10 28 | 0n36 | 20 9 | 2 48 | 9 4 | 2 22 | 24 12 | 0 50 | 4 3 | 1 14 | 20 7 | 1 42 | 2 45 | 0 40 | 5 25 | 1 51 | 2 34 | 14 4 | 13 22 | 13 1 | 26 31 | 5 5 | 5 36 | |
| M29 | 22 30 | 4 54 | 1 40 | 19 51 | 3 3 | 9 27 | 2 23 | 24 14 | 0 50 | 4 6 | 1 15 | 20 6 | 1 42 | 2 45 | 0 40 | 5 25 | 1 50 | 2 34 | 14 4 | 13 22 | 13 2 | 26 30 | 5 5 | 5 37 | |
| T 30 | 22 37 | 0n59 | 2 40 | 19 34 | 3 17 | 9 49 | 2 23 | 24 16 | 0 51 | 4 10 | 1 15 | 20 6 | 1 42 | 2 45 | 0 40 | 5 25 | 1 50 | 2 34 | 14 4 | 13 23 | 13 3 | 26 29 | 5 4 | 5 37 | |
| W31 | 22n43 | 7n 0 | 3n34 | 19n17 | 3s30 | 10n12 | 2s23 | 24n18 | 0n51 | 4n14 | 1s15 | 20s 5 | 1n42 | 2s44 | 0n40 | 5s25 | 1n50 | 2n35 | 14s 4 | 13s23 | 13s 5 | 26s27 | 5s 4 | 5n37 | |

Julian Day Number = 2135006.5, Delta T = 16m03s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'27, Lahiri = 11°46'27 Julian Calendar 1 May 1133 == Greg. Calendar 8 May 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## JUNE 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 2 52 | 16♊ 7'38 | 22♈50 | 14°R59 | 3♉45 | 25♊28 | 13♈45 | 8°R 1 | 8°R25 | 18°R 2 | 13♉43 | 24°R31 | 25♒28 | 12♑39 | 3°R23 | T 1 |
| F 2 | 17 6 48 | 17° 4'51 | 6♉48 | 14♊25 | 4°52 | 26° 7 | 13°55 | 7♐56 | 8♎25 | 18♎ 1 | 13°44 | 24♒24 | 25°25 | 12°46 | 3♓23 | F 2 |
| S 3 | 17 10 45 | 18° 2'04 | 21°14 | 13°53 | 5°59 | 26°46 | 14° 5 | 7°52 | 8°24 | 18° 1 | 13°45 | 24°15 | 25°22 | 12°53 | 3°23 | S 3 |
| S 4 | 17 14 41 | 18°59'18 | 6♊ 4 | 13°22 | 7° 6 | 27°26 | 14°15 | 7°48 | 8°24 | 18° 0 | 13°46 | 24° 6 | 25°18 | 12°59 | 3°23 | S 4 |
| M 5 | 17 18 38 | 19°56'30 | 21° 9 | 12°54 | 8°13 | 28° 5 | 14°25 | 7°43 | 8°24 | 17°59 | 13°47 | 23°56 | 25°15 | 13° 6 | 3°23 | M 5 |
| T 6 | 17 22 34 | 20°53'43 | 6♋19 | 12°28 | 9°21 | 28°44 | 14°34 | 7°39 | 8°23 | 17°59 | 13°49 | 23°48 | 25°12 | 13°13 | 3°22 | T 6 |
| W 7 | 17 26 31 | 21°50'55 | 21°25 | 12° 6 | 10°28 | 29°24 | 14°44 | 7°35 | 8°23 | 17°58 | 13°50 | 23°43 | 25° 9 | 13°19 | 3°22 | W 7 |
| T 8 | 17 30 28 | 22°48'07 | 6♌17 | 11°47 | 11°36 | 0♋ 3 | 14°53 | 7°31 | 8°23 | 17°58 | 13°51 | 23°39 | 25° 6 | 13°26 | 3°22 | T 8 |
| F 9 | 17 34 24 | 23°45'18 | 20°49 | 11°32 | 12°44 | 0°42 | 15° 2 | 7°27 | 8°23 | 17°57 | 13°52 | 23°D38 | 25° 2 | 13°33 | 3°21 | F 9 |
| S 10 | 17 38 21 | 24°42'29 | 4♍58 | 11°21 | 13°51 | 1°21 | 15°11 | 7°22 | 8°D23 | 17°57 | 13°53 | 23°38 | 24°59 | 13°40 | 3°21 | S 10 |
| S 11 | 17 42 17 | 25°39'39 | 18°43 | 11°15 | 14°59 | 2° 1 | 15°20 | 7°18 | 8°23 | 17°57 | 13°54 | 23°39 | 24°56 | 13°46 | 3°20 | S 11 |
| M12 | 17 46 14 | 26°36'49 | 2♎ 6 | 11°D13 | 16° 8 | 2°40 | 15°29 | 7°14 | 8°23 | 17°56 | 13°55 | 23°R39 | 24°53 | 13°53 | 3°19 | M12 |
| T 13 | 17 50 10 | 27°33'59 | 15° 8 | 11°17 | 17°16 | 3°19 | 15°38 | 7°10 | 8°23 | 17°56 | 13°56 | 23°38 | 24°50 | 14° 0 | 3°19 | T 13 |
| W14 | 17 54 7 | 28°31'08 | 27°53 | 11°25 | 18°24 | 3°58 | 15°46 | 7° 6 | 8°23 | 17°55 | 13°57 | 23°34 | 24°47 | 14° 6 | 3°18 | W14 |
| T 15 | 17 58 3 | 29°28'17 | 10♏25 | 11°38 | 19°32 | 4°37 | 15°55 | 7° 2 | 8°24 | 17°55 | 13°58 | 23°28 | 24°43 | 14°13 | 3°17 | T 15 |
| F 16 | 18 2 0 | 0♋25'26 | 22°44 | 11°56 | 20°41 | 5°16 | 16° 3 | 6°59 | 8°24 | 17°55 | 13°59 | 23°20 | 24°40 | 14°20 | 3°16 | F 16 |
| S 17 | 18 5 57 | 1°22'35 | 4♐54 | 12°20 | 21°49 | 5°55 | 16°11 | 6°55 | 8°24 | 17°55 | 14° 0 | 23°11 | 24°37 | 14°26 | 3°15 | S 17 |
| S 18 | 18 9 53 | 2°19'44 | 16°56 | 12°48 | 22°58 | 6°34 | 16°19 | 6°51 | 8°25 | 17°55 | 14° 1 | 23° 2 | 24°34 | 14°33 | 3°14 | S 18 |
| M19 | 18 13 50 | 3°16'54 | 28°53 | 13°21 | 24° 7 | 7°13 | 16°27 | 6°47 | 8°25 | 17°54 | 14° 2 | 22°53 | 24°31 | 14°40 | 3°13 | M19 |
| T 20 | 18 17 46 | 4°14'03 | 10♑45 | 14° 0 | 25°16 | 7°52 | 16°35 | 6°44 | 8°26 | 17°54 | 14° 3 | 22°45 | 24°28 | 14°46 | 3°12 | T 20 |
| W21 | 18 21 43 | 5°11'12 | 22°34 | 14°43 | 26°25 | 8°31 | 16°43 | 6°40 | 8°26 | 17°54 | 14° 4 | 22°39 | 24°24 | 14°53 | 3°11 | W21 |
| T 22 | 18 25 39 | 6° 8'22 | 4♒23 | 15°31 | 27°34 | 9°10 | 16°50 | 6°36 | 8°27 | 17°54 | 14° 5 | 22°35 | 24°21 | 15° 0 | 3°10 | T 22 |
| F 23 | 18 29 36 | 7° 5'32 | 16°14 | 16°24 | 28°43 | 9°49 | 16°57 | 6°33 | 8°27 | 17°D54 | 14° 6 | 22°33 | 24°18 | 15° 6 | 3° 9 | F 23 |
| S 24 | 18 33 32 | 8° 2'43 | 28°11 | 17°22 | 29°52 | 10°28 | 17° 5 | 6°29 | 8°28 | 17°54 | 14° 6 | 22°D33 | 24°15 | 15°13 | 3° 7 | S 24 |
| S 25 | 18 37 29 | 8°59'54 | 10♓16 | 18°25 | 1♊ 2 | 11° 7 | 17°12 | 6°26 | 8°29 | 17°54 | 14° 7 | 22°34 | 24°12 | 15°20 | 3° 6 | S 25 |
| M26 | 18 41 26 | 9°57'05 | 22°34 | 19°32 | 2°11 | 11°45 | 17°18 | 6°23 | 8°30 | 17°54 | 14° 8 | 22°36 | 24° 8 | 15°26 | 3° 5 | M26 |
| T 27 | 18 45 22 | 10°54'18 | 5♈11 | 20°44 | 3°21 | 12°24 | 17°25 | 6°19 | 8°31 | 17°54 | 14° 9 | 22°R37 | 24° 5 | 15°33 | 3° 3 | T 27 |
| W28 | 18 49 19 | 11°51'31 | 18° 9 | 22° 1 | 4°30 | 13° 3 | 17°32 | 6°16 | 8°32 | 17°55 | 14°10 | 22°37 | 24° 2 | 15°40 | 3° 2 | W28 |
| T 29 | 18 53 15 | 12°48'45 | 1♉33 | 23°22 | 5°40 | 13°42 | 17°38 | 6°13 | 8°33 | 17°55 | 14°11 | 22°35 | 23°59 | 15°46 | 3° 0 | T 29 |
| F 30 | 18 57 12 | 13♋45'59 | 15♉25 | 24♊47 | 6♊50 | 14♋21 | 17♈44 | 6♐10 | 8♎34 | 17♎55 | 14♉11 | 22♒32 | 23♒56 | 15♑53 | 2♓59 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n50 | 12n55 | 4n19 | 19n 1 | 3s42 | 10n35 | 2s23 | 24n20 | 0n52 | 4n18 | 1s15 | 20s 5 | 1n42 | 2s44 | 0n40 | 5s24 | 1n50 | 2n35 | 14s 4 | 13s25 | 13s 6 | 26s26 | 5s 4 | 5n38 |
| F 2 | 22 55 | 18 24 | 4 49 | 18 47 | 3 53 | 10 57 | 2 23 | 24 22 | 0 52 | 4 22 | 1 15 | 20 4 | 1 41 | 2 44 | 0 40 | 5 24 | 1 50 | 2 35 | 14 4 | 13 27 | 13 7 | 26 25 | 5 4 | 5 38 |
| S 3 | 23 1 | 23 1 | 5 3 | 18 33 | 4 3 | 11 20 | 2 23 | 24 23 | 0 52 | 4 25 | 1 16 | 20 3 | 1 41 | 2 44 | 0 40 | 5 24 | 1 50 | 2 35 | 14 4 | 13 30 | 13 8 | 26 23 | 5 3 | 5 38 |
| S 4 | 23 6 | 26 17 | 4 57 | 18 22 | 4 11 | 11 42 | 2 23 | 24 24 | 0 53 | 4 29 | 1 16 | 20 3 | 1 41 | 2 44 | 0 40 | 5 24 | 1 50 | 2 35 | 14 5 | 13 33 | 13 9 | 26 22 | 5 3 | 5 38 |
| M 5 | 23 10 | 27 45 | 4 30 | 18 11 | 4 18 | 12 4 | 2 22 | 24 25 | 0 53 | 4 32 | 1 16 | 20 2 | 1 41 | 2 44 | 0 40 | 5 24 | 1 50 | 2 36 | 14 5 | 13 36 | 13 10 | 26 21 | 5 3 | 5 39 |
| T 6 | 23 14 | 27 8 | 3 44 | 18 3 | 4 23 | 12 26 | 2 22 | 24 26 | 0 53 | 4 36 | 1 16 | 20 2 | 1 41 | 2 44 | 0 40 | 5 23 | 1 50 | 2 36 | 14 5 | 13 39 | 13 11 | 26 19 | 5 3 | 5 39 |
| W 7 | 23 18 | 24 31 | 2 43 | 17 56 | 4 27 | 12 48 | 2 21 | 24 27 | 0 54 | 4 40 | 1 16 | 20 1 | 1 41 | 2 44 | 0 40 | 5 23 | 1 50 | 2 36 | 14 5 | 13 41 | 13 12 | 26 18 | 5 3 | 5 39 |
| T 8 | 23 21 | 20 16 | 1 31 | 17 51 | 4 29 | 13 9 | 2 21 | 24 27 | 0 54 | 4 43 | 1 17 | 20 1 | 1 41 | 2 44 | 0 40 | 5 23 | 1 50 | 2 36 | 14 5 | 13 42 | 13 13 | 26 17 | 5 3 | 5 40 |
| F 9 | 23 24 | 14 52 | 0 15 | 17 48 | 4 31 | 13 31 | 2 20 | 24 27 | 0 54 | 4 46 | 1 17 | 20 0 | 1 41 | 2 44 | 0 40 | 5 23 | 1 50 | 2 36 | 14 5 | 13 42 | 13 14 | 26 15 | 5 3 | 5 40 |
| S 10 | 23 27 | 8 48 | 1s 0 | 17 47 | 4 30 | 13 52 | 2 19 | 24 27 | 0 55 | 4 50 | 1 17 | 19 59 | 1 41 | 2 44 | 0 40 | 5 23 | 1 50 | 2 36 | 14 5 | 13 42 | 13 15 | 26 14 | 5 2 | 5 40 |
| S 11 | 23 29 | 2 29 | 2 10 | 17 48 | 4 28 | 14 12 | 2 18 | 24 27 | 0 55 | 4 53 | 1 17 | 19 59 | 1 40 | 2 44 | 0 40 | 5 23 | 1 50 | 2 37 | 14 6 | 13 42 | 13 16 | 26 13 | 5 2 | 5 40 |
| M12 | 23 31 | 3s45 | 3 11 | 17 51 | 4 25 | 14 33 | 2 17 | 24 27 | 0 55 | 4 56 | 1 17 | 19 58 | 1 40 | 2 44 | 0 40 | 5 23 | 1 50 | 2 37 | 14 6 | 13 42 | 13 17 | 26 11 | 5 2 | 5 41 |
| T 13 | 23 32 | 9 40 | 4 0 | 17 55 | 4 21 | 14 53 | 2 16 | 24 26 | 0 56 | 4 59 | 1 18 | 19 58 | 1 40 | 2 44 | 0 40 | 5 23 | 1 50 | 2 37 | 14 6 | 13 43 | 13 18 | 26 10 | 5 2 | 5 41 |
| W14 | 23 33 | 15 4 | 4 36 | 18 2 | 4 16 | 15 14 | 2 15 | 24 25 | 0 56 | 5 2 | 1 18 | 19 57 | 1 40 | 2 44 | 0 40 | 5 23 | 1 50 | 2 37 | 14 6 | 13 44 | 13 20 | 26 9 | 5 2 | 5 41 |
| T 15 | 23 33 | 19 43 | 4 58 | 18 10 | 4 10 | 15 33 | 2 14 | 24 25 | 0 56 | 5 5 | 1 18 | 19 57 | 1 40 | 2 44 | 0 40 | 5 23 | 1 50 | 2 37 | 14 6 | 13 46 | 13 21 | 26 7 | 5 2 | 5 41 |
| F 16 | 23 33 | 23 28 | 5 6 | 18 19 | 4 2 | 15 53 | 2 12 | 24 23 | 0 57 | 5 8 | 1 18 | 19 56 | 1 40 | 2 44 | 0 40 | 5 22 | 1 50 | 2 37 | 14 6 | 13 48 | 13 22 | 26 6 | 5 3 | 5 42 |
| S 17 | 23 33 | 26 7 | 5 0 | 18 31 | 3 54 | 16 12 | 2 11 | 24 22 | 0 57 | 5 11 | 1 18 | 19 56 | 1 40 | 2 45 | 0 40 | 5 22 | 1 49 | 2 37 | 14 7 | 13 51 | 13 23 | 26 4 | 5 3 | 5 42 |
| S 18 | 23 32 | 27 33 | 4 40 | 18 43 | 3 45 | 16 31 | 2 9 | 24 20 | 0 57 | 5 14 | 1 19 | 19 55 | 1 40 | 2 45 | 0 40 | 5 22 | 1 49 | 2 37 | 14 7 | 13 54 | 13 24 | 26 3 | 5 3 | 5 42 |
| M19 | 23 31 | 27 41 | 4 8 | 18 57 | 3 35 | 16 50 | 2 8 | 24 19 | 0 57 | 5 17 | 1 19 | 19 55 | 1 39 | 2 45 | 0 39 | 5 22 | 1 49 | 2 37 | 14 7 | 13 57 | 13 25 | 26 1 | 5 3 | 5 42 |
| T 20 | 23 29 | 26 32 | 3 26 | 19 12 | 3 25 | 17 8 | 2 6 | 24 17 | 0 58 | 5 20 | 1 19 | 19 54 | 1 39 | 2 45 | 0 39 | 5 22 | 1 49 | 2 38 | 14 7 | 14 0 | 13 26 | 26 0 | 5 3 | 5 43 |
| W21 | 23 27 | 24 12 | 2 35 | 19 28 | 3 14 | 17 26 | 2 4 | 24 15 | 0 58 | 5 23 | 1 19 | 19 54 | 1 39 | 2 45 | 0 39 | 5 22 | 1 49 | 2 38 | 14 7 | 14 2 | 13 27 | 25 59 | 5 3 | 5 43 |
| T 22 | 23 25 | 20 49 | 1 37 | 19 45 | 3 2 | 17 43 | 2 2 | 24 12 | 0 58 | 5 25 | 1 20 | 19 53 | 1 39 | 2 46 | 0 39 | 5 22 | 1 49 | 2 38 | 14 8 | 14 3 | 13 28 | 25 57 | 5 3 | 5 43 |
| F 23 | 23 22 | 16 35 | 0 34 | 20 2 | 2 50 | 18 0 | 2 1 | 24 10 | 0 59 | 5 28 | 1 20 | 19 53 | 1 39 | 2 46 | 0 39 | 5 23 | 1 49 | 2 38 | 14 8 | 14 4 | 13 29 | 25 56 | 5 4 | 5 43 |
| S 24 | 23 18 | 11 41 | 0n30 | 20 20 | 2 37 | 18 17 | 1 59 | 24 7 | 0 59 | 5 30 | 1 20 | 19 53 | 1 39 | 2 46 | 0 39 | 5 23 | 1 49 | 2 38 | 14 8 | 14 4 | 13 30 | 25 54 | 5 4 | 5 44 |
| S 25 | 23 15 | 6 18 | 1 35 | 20 39 | 2 24 | 18 34 | 1 57 | 24 4 | 0 59 | 5 33 | 1 20 | 19 52 | 1 38 | 2 47 | 0 39 | 5 23 | 1 49 | 2 38 | 14 8 | 14 3 | 13 31 | 25 53 | 5 4 | 5 44 |
| M26 | 23 11 | 0 35 | 2 36 | 20 58 | 2 11 | 18 50 | 1 55 | 24 1 | 0 59 | 5 35 | 1 21 | 19 52 | 1 38 | 2 47 | 0 39 | 5 23 | 1 49 | 2 38 | 14 8 | 14 3 | 13 32 | 25 51 | 5 4 | 5 44 |
| T 27 | 23 6 | 5n17 | 3 31 | 21 16 | 1 58 | 19 5 | 1 52 | 23 58 | 1 0 | 5 38 | 1 21 | 19 51 | 1 38 | 2 47 | 0 39 | 5 23 | 1 49 | 2 38 | 14 9 | 14 3 | 13 33 | 25 50 | 5 5 | 5 44 |
| W28 | 23 1 | 11 6 | 4 17 | 21 35 | 1 44 | 19 20 | 1 50 | 23 54 | 1 0 | 5 40 | 1 21 | 19 51 | 1 38 | 2 48 | 0 39 | 5 23 | 1 49 | 2 38 | 14 9 | 14 3 | 13 34 | 25 48 | 5 5 | 5 45 |
| T 29 | 22 56 | 16 36 | 4 50 | 21 53 | 1 31 | 19 35 | 1 48 | 23 51 | 1 0 | 5 42 | 1 21 | 19 51 | 1 38 | 2 48 | 0 39 | 5 23 | 1 49 | 2 38 | 14 9 | 14 3 | 13 35 | 25 47 | 5 5 | 5 45 |
| F 30 | 22n50 | 21n27 | 5n 8 | 22n10 | 1s17 | 19n49 | 1s46 | 23n47 | 1n 1 | 5n44 | 1s21 | 19s50 | 1n38 | 2s49 | 0n39 | 5s23 | 1n49 | 2n38 | 14s 9 | 14s 4 | 13s36 | 25s45 | 5s 6 | 5n45 |

Julian Day Number = 2135037.5, Delta T = 16m02s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'31, Lahiri = 11°46'31 Julian Calendar 1 June 1133 == Greg. Calendar 8 June 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## JULY 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 1 8 | 14♋43'15 | 29♉45 | 26♊17 | 8♊ 0 | 14♋59 | 17♈50 | 6°R 7 | 8♎35 | 17♎55 | 14♉12 | 22°R28 | 23♒53 | 16♑ 0 | 2°R57 | S 1 |
| S 2 | 19 5 5 | 15°40'31 | 14♊30 | 27°50 | 9°10 | 15°38 | 17°56 | 6♐ 4 | 8°36 | 17°55 | 14°13 | 22♒22 | 23°49 | 16° 6 | 2♓55 | S 2 |
| M 3 | 19 9 2 | 16°37'49 | 29°34 | 29°28 | 10°20 | 16°17 | 18° 2 | 6° 1 | 8°37 | 17°56 | 14°14 | 22°17 | 23°46 | 16°13 | 2°54 | M 3 |
| T 4 | 19 12 58 | 17°35'06 | 14♋47 | 1♋ 9 | 11°30 | 16°55 | 18° 8 | 5°59 | 8°38 | 17°56 | 14°14 | 22°13 | 23°43 | 16°20 | 2°52 | T 4 |
| W 5 | 19 16 55 | 18°32'25 | 29°59 | 2°54 | 12°40 | 17°34 | 18°13 | 5°56 | 8°40 | 17°56 | 14°15 | 22°10 | 23°40 | 16°26 | 2°50 | W 5 |
| T 6 | 19 20 51 | 19°29'44 | 15♌ 2 | 4°43 | 13°50 | 18°13 | 18°18 | 5°53 | 8°41 | 17°57 | 14°16 | 22°D 8 | 23°37 | 16°33 | 2°48 | T 6 |
| F 7 | 19 24 48 | 20°27'04 | 29°47 | 6°34 | 15° 1 | 18°51 | 18°23 | 5°51 | 8°42 | 17°57 | 14°16 | 22° 8 | 23°34 | 16°40 | 2°46 | F 7 |
| S 8 | 19 28 44 | 21°24'24 | 14♍ 7 | 8°28 | 16°11 | 19°30 | 18°28 | 5°48 | 8°44 | 17°58 | 14°17 | 22°10 | 23°30 | 16°46 | 2°44 | S 8 |
| S 9 | 19 32 41 | 22°21'45 | 28° 2 | 10°25 | 17°22 | 20° 9 | 18°33 | 5°46 | 8°45 | 17°58 | 14°18 | 22°11 | 23°27 | 16°53 | 2°42 | S 9 |
| M10 | 19 36 37 | 23°19'06 | 11♎30 | 12°24 | 18°32 | 20°47 | 18°38 | 5°44 | 8°47 | 17°59 | 14°18 | 22°12 | 23°24 | 17° 0 | 2°40 | M10 |
| T 11 | 19 40 34 | 24°16'27 | 24°35 | 14°25 | 19°43 | 21°26 | 18°42 | 5°41 | 8°48 | 17°59 | 14°19 | 22°R13 | 23°21 | 17° 6 | 2°38 | T 11 |
| W12 | 19 44 31 | 25°13'50 | 7♏18 | 16°27 | 20°53 | 22° 4 | 18°46 | 5°39 | 8°50 | 18° 0 | 14°19 | 22°12 | 23°18 | 17°13 | 2°36 | W12 |
| T 13 | 19 48 27 | 26°11'13 | 19°45 | 18°30 | 22° 4 | 22°43 | 18°50 | 5°37 | 8°52 | 18° 0 | 14°20 | 22°10 | 23°14 | 17°20 | 2°34 | T 13 |
| F 14 | 19 52 24 | 27° 8'37 | 1♐57 | 20°35 | 23°15 | 23°21 | 18°54 | 5°35 | 8°53 | 18° 1 | 14°20 | 22° 7 | 23°11 | 17°26 | 2°32 | F 14 |
| S 15 | 19 56 20 | 28° 6'01 | 14° 0 | 22°40 | 24°26 | 24° 0 | 18°58 | 5°34 | 8°55 | 18° 2 | 14°21 | 22° 4 | 23° 8 | 17°33 | 2°29 | S 15 |
| S 16 | 20 0 17 | 29° 3'27 | 25°55 | 24°45 | 25°37 | 24°38 | 19° 1 | 5°32 | 8°57 | 18° 3 | 14°21 | 22° 0 | 23° 5 | 17°40 | 2°27 | S 16 |
| M17 | 20 4 13 | 0♌ 0'53 | 7♑47 | 26°49 | 26°48 | 25°17 | 19° 5 | 5°30 | 8°59 | 18° 3 | 14°22 | 21°56 | 23° 2 | 17°47 | 2°25 | M17 |
| T 18 | 20 8 10 | 0°58'20 | 19°36 | 28°54 | 27°59 | 25°55 | 19° 8 | 5°29 | 9° 1 | 18° 4 | 14°22 | 21°53 | 22°59 | 17°53 | 2°22 | T 18 |
| W19 | 20 12 6 | 1°55'48 | 1♒26 | 0♌58 | 29°11 | 26°34 | 19°11 | 5°27 | 9° 3 | 18° 5 | 14°23 | 21°51 | 22°55 | 18° 0 | 2°20 | W19 |
| T 20 | 20 16 3 | 2°53'18 | 13°19 | 3° 2 | 0♋22 | 27°12 | 19°14 | 5°26 | 9° 5 | 18° 6 | 14°23 | 21°50 | 22°52 | 18° 7 | 2°18 | T 20 |
| F 21 | 20 20 0 | 3°50'48 | 25°16 | 5° 4 | 1°33 | 27°50 | 19°16 | 5°24 | 9° 7 | 18° 7 | 14°23 | 21°D50 | 22°49 | 18°13 | 2°15 | F 21 |
| S 22 | 20 23 56 | 4°48'20 | 7♓20 | 7° 6 | 2°45 | 28°29 | 19°18 | 5°23 | 9° 9 | 18° 7 | 14°24 | 21°50 | 22°46 | 18°20 | 2°13 | S 22 |
| S 23 | 20 27 53 | 5°45'53 | 19°34 | 9° 6 | 3°56 | 29° 7 | 19°21 | 5°22 | 9°11 | 18° 8 | 14°24 | 21°52 | 22°43 | 18°27 | 2°10 | S 23 |
| M24 | 20 31 49 | 6°43'27 | 2♈ 0 | 11° 5 | 5° 8 | 29°46 | 19°23 | 5°21 | 9°13 | 18° 9 | 14°25 | 21°53 | 22°40 | 18°33 | 2° 8 | M24 |
| T 25 | 20 35 46 | 7°41'03 | 14°42 | 13° 3 | 6°19 | 0♌24 | 19°24 | 5°20 | 9°15 | 18°10 | 14°25 | 21°54 | 22°36 | 18°40 | 2° 5 | T 25 |
| W26 | 20 39 42 | 8°38'40 | 27°42 | 15° 0 | 7°31 | 1° 2 | 19°26 | 5°19 | 9°17 | 18°11 | 14°25 | 21°55 | 22°33 | 18°47 | 2° 3 | W26 |
| T 27 | 20 43 39 | 9°36'20 | 11♉ 3 | 16°55 | 8°43 | 1°41 | 19°27 | 5°18 | 9°20 | 18°12 | 14°25 | 21°R55 | 22°30 | 18°53 | 2° 0 | T 27 |
| F 28 | 20 47 35 | 10°34'00 | 24°47 | 18°49 | 9°55 | 2°19 | 19°29 | 5°18 | 9°22 | 18°13 | 14°26 | 21°55 | 22°27 | 19° 0 | 1°57 | F 28 |
| S 29 | 20 51 32 | 11°31'43 | 8♊55 | 20°41 | 11° 7 | 2°57 | 19°30 | 5°17 | 9°24 | 18°15 | 14°26 | 21°54 | 22°24 | 19° 7 | 1°55 | S 29 |
| S 30 | 20 55 29 | 12°29'27 | 23°26 | 22°32 | 12°19 | 3°36 | 19°31 | 5°17 | 9°27 | 18°16 | 14°26 | 21°53 | 22°20 | 19°13 | 1°52 | S 30 |
| M31 | 20 59 25 | 13♌27'13 | 8♋14 | 24♌22 | 13♋31 | 4♌14 | 19♈31 | 5♐16 | 9♎29 | 18♎17 | 14♉26 | 21♒52 | 22♒17 | 19♑20 | 1♓49 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n44 | 25n13 | 5n 8 | 22n27 | 1s 3 | 20n 3 | 1s43 | 23n43 | 1n 1 | 5n46 | 1s22 | 19s50 | 1n37 | 2s49 | 0n39 | 5s23 | 1n49 | 2n38 | 14s 9 | 14s 6 | 13s38 | 25s44 | 5s 6 | 5n45 |
| S 2 | 22 38 | 27 25 | 4 48 | 22 42 | 0 50 | 20 16 | 1 41 | 23 39 | 1 1 | 5 48 | 1 22 | 19 50 | 1 37 | 2 50 | 0 39 | 5 23 | 1 49 | 2 38 | 14 10 | 14 7 | 13 39 | 25 42 | 5 6 | 5 46 |
| M 3 | 22 31 | 27 41 | 4 8 | 22 56 | 0 37 | 20 29 | 1 38 | 23 34 | 1 1 | 5 50 | 1 22 | 19 49 | 1 37 | 2 50 | 0 39 | 5 24 | 1 49 | 2 38 | 14 10 | 14 9 | 13 40 | 25 41 | 5 7 | 5 46 |
| T 4 | 22 23 | 25 52 | 3 10 | 23 9 | 0 24 | 20 41 | 1 36 | 23 30 | 1 2 | 5 52 | 1 22 | 19 49 | 1 37 | 2 51 | 0 39 | 5 24 | 1 48 | 2 38 | 14 10 | 14 10 | 13 41 | 25 39 | 5 7 | 5 46 |
| W 5 | 22 16 | 22 10 | 1 58 | 23 20 | 0 11 | 20 53 | 1 33 | 23 25 | 1 2 | 5 54 | 1 23 | 19 49 | 1 37 | 2 51 | 0 39 | 5 24 | 1 48 | 2 38 | 14 10 | 14 11 | 13 42 | 25 38 | 5 8 | 5 46 |
| T 6 | 22 8 | 17 1 | 0 39 | 23 29 | 0n 1 | 21 4 | 1 31 | 23 20 | 1 2 | 5 56 | 1 23 | 19 48 | 1 36 | 2 52 | 0 39 | 5 24 | 1 48 | 2 38 | 14 11 | 14 12 | 13 43 | 25 36 | 5 8 | 5 46 |
| F 7 | 21 59 | 10 57 | 0s42 | 23 36 | 0 13 | 21 15 | 1 28 | 23 15 | 1 2 | 5 58 | 1 23 | 19 48 | 1 36 | 2 52 | 0 39 | 5 24 | 1 48 | 2 38 | 14 11 | 14 12 | 13 44 | 25 35 | 5 9 | 5 47 |
| S 8 | 21 50 | 4 28 | 1 58 | 23 41 | 0 24 | 21 25 | 1 26 | 23 10 | 1 3 | 5 59 | 1 23 | 19 48 | 1 36 | 2 53 | 0 39 | 5 25 | 1 48 | 2 38 | 14 11 | 14 11 | 13 45 | 25 33 | 5 9 | 5 47 |
| S 9 | 21 41 | 2s 1 | 3 4 | 23 44 | 0 35 | 21 35 | 1 23 | 23 4 | 1 3 | 6 1 | 1 24 | 19 48 | 1 36 | 2 54 | 0 39 | 5 25 | 1 48 | 2 38 | 14 11 | 14 11 | 13 46 | 25 32 | 5 10 | 5 47 |
| M10 | 21 32 | 8 13 | 3 58 | 23 43 | 0 45 | 21 44 | 1 20 | 22 59 | 1 3 | 6 2 | 1 24 | 19 48 | 1 36 | 2 54 | 0 39 | 5 25 | 1 48 | 2 38 | 14 12 | 14 11 | 13 47 | 25 30 | 5 10 | 5 47 |
| T 11 | 21 22 | 13 52 | 4 38 | 23 40 | 0 55 | 21 52 | 1 17 | 22 53 | 1 3 | 6 4 | 1 24 | 19 47 | 1 36 | 2 55 | 0 39 | 5 25 | 1 48 | 2 38 | 14 12 | 14 10 | 13 48 | 25 28 | 5 11 | 5 47 |
| W12 | 21 11 | 18 47 | 5 3 | 23 35 | 1 3 | 22 0 | 1 14 | 22 47 | 1 4 | 6 5 | 1 24 | 19 47 | 1 35 | 2 56 | 0 39 | 5 26 | 1 48 | 2 37 | 14 12 | 14 11 | 13 49 | 25 27 | 5 11 | 5 47 |
| T 13 | 21 1 | 22 47 | 5 14 | 23 26 | 1 11 | 22 7 | 1 12 | 22 41 | 1 4 | 6 6 | 1 25 | 19 47 | 1 35 | 2 56 | 0 39 | 5 26 | 1 48 | 2 37 | 14 12 | 14 11 | 13 50 | 25 25 | 5 12 | 5 48 |
| F 14 | 20 50 | 25 42 | 5 9 | 23 15 | 1 18 | 22 14 | 1 9 | 22 34 | 1 4 | 6 8 | 1 25 | 19 47 | 1 35 | 2 57 | 0 38 | 5 26 | 1 48 | 2 37 | 14 13 | 14 12 | 13 51 | 25 24 | 5 13 | 5 48 |
| S 15 | 20 38 | 27 25 | 4 51 | 23 2 | 1 24 | 22 20 | 1 6 | 22 28 | 1 4 | 6 9 | 1 25 | 19 47 | 1 35 | 2 58 | 0 38 | 5 27 | 1 48 | 2 37 | 14 13 | 14 13 | 13 52 | 25 22 | 5 13 | 5 48 |
| S 16 | 20 27 | 27 50 | 4 21 | 22 45 | 1 30 | 22 26 | 1 3 | 22 21 | 1 4 | 6 10 | 1 26 | 19 47 | 1 35 | 2 59 | 0 38 | 5 27 | 1 48 | 2 37 | 14 13 | 14 15 | 13 53 | 25 21 | 5 14 | 5 48 |
| M17 | 20 15 | 26 58 | 3 39 | 22 26 | 1 35 | 22 31 | 1 0 | 22 15 | 1 5 | 6 11 | 1 26 | 19 47 | 1 34 | 2 59 | 0 38 | 5 27 | 1 48 | 2 37 | 14 13 | 14 16 | 13 54 | 25 19 | 5 15 | 5 48 |
| T 18 | 20 2 | 24 53 | 2 48 | 22 5 | 1 38 | 22 35 | 0 57 | 22 8 | 1 5 | 6 12 | 1 26 | 19 46 | 1 34 | 3 0 | 0 38 | 5 28 | 1 48 | 2 37 | 14 14 | 14 17 | 13 55 | 25 17 | 5 15 | 5 48 |
| W19 | 19 49 | 21 43 | 1 50 | 21 41 | 1 42 | 22 39 | 0 54 | 22 0 | 1 5 | 6 13 | 1 26 | 19 46 | 1 34 | 3 1 | 0 38 | 5 28 | 1 48 | 2 37 | 14 14 | 14 17 | 13 56 | 25 16 | 5 16 | 5 49 |
| T 20 | 19 36 | 17 39 | 0 47 | 21 16 | 1 44 | 22 42 | 0 51 | 21 53 | 1 5 | 6 14 | 1 27 | 19 46 | 1 34 | 3 2 | 0 38 | 5 28 | 1 48 | 2 37 | 14 14 | 14 18 | 13 57 | 25 14 | 5 17 | 5 49 |
| F 21 | 19 23 | 12 52 | 0n19 | 20 48 | 1 45 | 22 44 | 0 48 | 21 46 | 1 6 | 6 14 | 1 27 | 19 46 | 1 34 | 3 3 | 0 38 | 5 29 | 1 48 | 2 36 | 14 14 | 14 18 | 13 59 | 25 12 | 5 18 | 5 49 |
| S 22 | 19 9 | 7 33 | 1 25 | 20 18 | 1 46 | 22 46 | 0 45 | 21 38 | 1 6 | 6 15 | 1 27 | 19 46 | 1 33 | 3 3 | 0 38 | 5 29 | 1 47 | 2 36 | 14 15 | 14 18 | 14 0 | 25 11 | 5 18 | 5 49 |
| S 23 | 18 55 | 1 53 | 2 28 | 19 47 | 1 47 | 22 48 | 0 42 | 21 30 | 1 6 | 6 16 | 1 27 | 19 46 | 1 33 | 3 4 | 0 38 | 5 30 | 1 47 | 2 36 | 14 15 | 14 17 | 14 1 | 25 9 | 5 19 | 5 49 |
| M24 | 18 41 | 3n55 | 3 24 | 19 14 | 1 46 | 22 48 | 0 39 | 21 23 | 1 6 | 6 16 | 1 28 | 19 46 | 1 33 | 3 5 | 0 38 | 5 30 | 1 47 | 2 36 | 14 15 | 14 17 | 14 2 | 25 7 | 5 20 | 5 49 |
| T 25 | 18 26 | 9 42 | 4 13 | 18 39 | 1 45 | 22 48 | 0 36 | 21 14 | 1 6 | 6 17 | 1 28 | 19 46 | 1 33 | 3 6 | 0 38 | 5 30 | 1 47 | 2 36 | 14 15 | 14 16 | 14 3 | 25 6 | 5 21 | 5 49 |
| W26 | 18 11 | 15 12 | 4 49 | 18 4 | 1 44 | 22 47 | 0 33 | 21 6 | 1 7 | 6 17 | 1 28 | 19 46 | 1 32 | 3 7 | 0 38 | 5 31 | 1 47 | 2 36 | 14 16 | 14 16 | 14 4 | 25 4 | 5 21 | 5 49 |
| T 27 | 17 56 | 20 8 | 5 11 | 17 27 | 1 41 | 22 46 | 0 30 | 20 58 | 1 7 | 6 17 | 1 28 | 19 47 | 1 32 | 3 8 | 0 38 | 5 31 | 1 47 | 2 35 | 14 16 | 14 16 | 14 5 | 25 2 | 5 22 | 5 49 |
| F 28 | 17 40 | 24 10 | 5 16 | 16 49 | 1 39 | 22 44 | 0 27 | 20 49 | 1 7 | 6 17 | 1 29 | 19 47 | 1 32 | 3 9 | 0 38 | 5 32 | 1 47 | 2 35 | 14 16 | 14 16 | 14 6 | 25 1 | 5 23 | 5 50 |
| S 29 | 17 24 | 26 53 | 5 3 | 16 10 | 1 35 | 22 41 | 0 24 | 20 41 | 1 7 | 6 18 | 1 29 | 19 47 | 1 32 | 3 10 | 0 38 | 5 32 | 1 47 | 2 35 | 14 16 | 14 17 | 14 7 | 24 59 | 5 24 | 5 50 |
| S 30 | 17 8 | 27 53 | 4 30 | 15 31 | 1 32 | 22 38 | 0 21 | 20 32 | 1 7 | 6 18 | 1 29 | 19 47 | 1 32 | 3 11 | 0 38 | 5 33 | 1 47 | 2 35 | 14 17 | 14 17 | 14 8 | 24 57 | 5 25 | 5 50 |
| M31 | 16n52 | 26n56 | 3n39 | 14n50 | 1n28 | 22n34 | 0s18 | 20n23 | 1n 7 | 6n18 | 1s29 | 19s47 | 1n31 | 3s12 | 0n38 | 5s33 | 1n47 | 2n35 | 14s17 | 14s17 | 14s 9 | 24s56 | 5s26 | 5n50 |

Julian Day Number = 2135067.5, Delta T = 16m02s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'35, Lahiri = 11°46'35 Julian Calendar 1 July 1133 == Greg. Calendar 8 July 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## AUGUST 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 3 22 | 14♌25'00 | 23♋15 | 26♌10 | 14♋43 | 4♌52 | 19♈32 | 5°R16 | 9♎32 | 18♎18 | 14♉26 | 21°R51 | 22♒14 | 19♑27 | 1°R47 | T 1 |
| W 2 | 21 7 18 | 15°22'49 | 8♌19 | 27°57 | 15°55 | 5°30 | 19°32 | 5♐16 | 9°34 | 18°19 | 14°26 | 21♒51 | 22°11 | 19°33 | 1♓44 | W 2 |
| T 3 | 21 11 15 | 16°20'40 | 23°19 | 29°42 | 17° 7 | 6° 9 | 19°R32 | 5°D16 | 9°37 | 18°21 | 14°27 | 21°D51 | 22° 8 | 19°40 | 1°41 | T 3 |
| F 4 | 21 15 11 | 17°18'31 | 8♍ 5 | 1♍26 | 18°20 | 6°47 | 19°32 | 5°16 | 9°40 | 18°22 | 14°27 | 21°51 | 22° 5 | 19°47 | 1°38 | F 4 |
| S 5 | 21 19 8 | 18°16'24 | 22°32 | 3° 9 | 19°32 | 7°25 | 19°31 | 5°16 | 9°42 | 18°23 | 14°27 | 21°51 | 22° 1 | 19°53 | 1°35 | S 5 |
| S 6 | 21 23 4 | 19°14'19 | 6♎34 | 4°50 | 20°44 | 8° 3 | 19°31 | 5°16 | 9°45 | 18°24 | 14°27 | 21°51 | 21°58 | 20° 0 | 1°33 | S 6 |
| M 7 | 21 27 1 | 20°12'15 | 20°10 | 6°30 | 21°57 | 8°42 | 19°30 | 5°17 | 9°48 | 18°26 | 14°27 | 21°51 | 21°55 | 20° 7 | 1°30 | M 7 |
| T 8 | 21 30 58 | 21°10'12 | 3♏20 | 8° 9 | 23° 9 | 9°20 | 19°29 | 5°17 | 9°50 | 18°27 | 14°R27 | 21°52 | 21°52 | 20°13 | 1°27 | T 8 |
| W 9 | 21 34 54 | 22° 8'11 | 16° 7 | 9°46 | 24°22 | 9°58 | 19°28 | 5°17 | 9°53 | 18°29 | 14°27 | 21°52 | 21°49 | 20°20 | 1°24 | W 9 |
| T 10 | 21 38 51 | 23° 6'11 | 28°34 | 11°22 | 25°35 | 10°36 | 19°26 | 5°18 | 9°56 | 18°30 | 14°27 | 21°52 | 21°46 | 20°27 | 1°21 | T 10 |
| F 11 | 21 42 47 | 24° 4'12 | 10♐45 | 12°57 | 26°47 | 11°14 | 19°25 | 5°19 | 9°59 | 18°31 | 14°27 | 21°52 | 21°42 | 20°33 | 1°18 | F 11 |
| S 12 | 21 46 44 | 25° 2'15 | 22°44 | 14°31 | 28° 0 | 11°52 | 19°23 | 5°20 | 10° 2 | 18°33 | 14°27 | 21°52 | 21°39 | 20°40 | 1°15 | S 12 |
| S 13 | 21 50 40 | 26° 0'20 | 4♑37 | 16° 3 | 29°13 | 12°31 | 19°21 | 5°20 | 10° 5 | 18°34 | 14°27 | 21°52 | 21°36 | 20°47 | 1°13 | S 13 |
| M14 | 21 54 37 | 26°58'25 | 16°26 | 17°34 | 0♌26 | 13° 9 | 19°19 | 5°21 | 10° 8 | 18°36 | 14°26 | 21°53 | 21°33 | 20°53 | 1°10 | M14 |
| T 15 | 21 58 33 | 27°56'33 | 28°16 | 19° 3 | 1°39 | 13°47 | 19°17 | 5°23 | 10°11 | 18°38 | 14°26 | 21°53 | 21°30 | 21° 0 | 1° 7 | T 15 |
| W16 | 22 2 30 | 28°54'42 | 10♒ 9 | 20°32 | 2°52 | 14°25 | 19°14 | 5°24 | 10°14 | 18°39 | 14°26 | 21°54 | 21°26 | 21° 7 | 1° 4 | W16 |
| T 17 | 22 6 27 | 29°52'53 | 22° 9 | 21°59 | 4° 5 | 15° 3 | 19°11 | 5°25 | 10°17 | 18°41 | 14°26 | 21°R54 | 21°23 | 21°13 | 1° 1 | T 17 |
| F 18 | 22 10 23 | 0♍51'05 | 4♓16 | 23°25 | 5°18 | 15°41 | 19° 8 | 5°26 | 10°20 | 18°42 | 14°26 | 21°54 | 21°20 | 21°20 | 0°58 | F 18 |
| S 19 | 22 14 20 | 1°49'19 | 16°34 | 24°49 | 6°31 | 16°19 | 19° 5 | 5°28 | 10°23 | 18°44 | 14°26 | 21°53 | 21°17 | 21°27 | 0°55 | S 19 |
| S 20 | 22 18 16 | 2°47'35 | 29° 3 | 26°12 | 7°45 | 16°57 | 19° 2 | 5°29 | 10°26 | 18°46 | 14°25 | 21°52 | 21°14 | 21°33 | 0°52 | S 20 |
| M21 | 22 22 13 | 3°45'53 | 11♈45 | 27°34 | 8°58 | 17°35 | 18°58 | 5°31 | 10°29 | 18°47 | 14°25 | 21°50 | 21°11 | 21°40 | 0°49 | M21 |
| T 22 | 22 26 9 | 4°44'13 | 24°40 | 28°54 | 10°11 | 18°13 | 18°55 | 5°33 | 10°33 | 18°49 | 14°25 | 21°49 | 21° 7 | 21°47 | 0°46 | T 22 |
| W23 | 22 30 6 | 5°42'35 | 7♉50 | 0♎13 | 11°25 | 18°52 | 18°51 | 5°35 | 10°36 | 18°51 | 14°25 | 21°47 | 21° 4 | 21°53 | 0°44 | W23 |
| T 24 | 22 34 2 | 6°41'00 | 21°16 | 1°30 | 12°38 | 19°30 | 18°47 | 5°37 | 10°39 | 18°53 | 14°24 | 21°46 | 21° 1 | 22° 0 | 0°41 | T 24 |
| F 25 | 22 37 59 | 7°39'26 | 4♊59 | 2°45 | 13°52 | 20° 8 | 18°42 | 5°39 | 10°42 | 18°54 | 14°24 | 21°D45 | 20°58 | 22° 7 | 0°38 | F 25 |
| S 26 | 22 41 56 | 8°37'55 | 18°57 | 3°59 | 15° 5 | 20°46 | 18°38 | 5°41 | 10°46 | 18°56 | 14°24 | 21°46 | 20°55 | 22°13 | 0°35 | S 26 |
| S 27 | 22 45 52 | 9°36'27 | 3♋12 | 5°12 | 16°19 | 21°24 | 18°33 | 5°43 | 10°49 | 18°58 | 14°23 | 21°46 | 20°52 | 22°20 | 0°32 | S 27 |
| M28 | 22 49 49 | 10°35'00 | 17°39 | 6°22 | 17°32 | 22° 2 | 18°29 | 5°45 | 10°52 | 19° 0 | 14°23 | 21°48 | 20°48 | 22°27 | 0°29 | M28 |
| T 29 | 22 53 45 | 11°33'36 | 2♌17 | 7°31 | 18°46 | 22°40 | 18°24 | 5°48 | 10°56 | 19° 2 | 14°22 | 21°49 | 20°45 | 22°33 | 0°26 | T 29 |
| W30 | 22 57 42 | 12°32'13 | 17° 0 | 8°38 | 20° 0 | 23°18 | 18°19 | 5°50 | 10°59 | 19° 4 | 14°22 | 21°R50 | 20°42 | 22°40 | 0°24 | W30 |
| T 31 | 23 1 38 | 13♍30'53 | 1♍43 | 9♎42 | 21♌14 | 23♌56 | 18♈13 | 5♐53 | 11♎ 3 | 19♎ 5 | 14♉21 | 21♒49 | 20♒39 | 22♑47 | 0♓21 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n35 | 24n 2 | 2n32 | 14n10 | 1n23 | 22n29 | 0s15 | 20n14 | 1n 8 | 6n18 | 1s30 | 19s47 | 1n31 | 3s13 | 0n38 | 5s34 | 1n47 | 2n34 | 14s17 | 14s17 | 14s10 | 24s54 | 5s27 | 5n50 |
| W 2 | 16 18 | 19 28 | 1 14 | 13 28 | 1 18 | 22 24 | 0 12 | 20 5 | 1 8 | 6 17 | 1 30 | 19 47 | 1 31 | 3 14 | 0 38 | 5 34 | 1 47 | 2 34 | 14 18 | 14 18 | 14 11 | 24 52 | 5 28 | 5 50 |
| T 3 | 16 1 | 13 41 | 0s 8 | 12 46 | 1 13 | 22 18 | 0 9 | 19 55 | 1 8 | 6 17 | 1 30 | 19 48 | 1 31 | 3 15 | 0 38 | 5 35 | 1 47 | 2 34 | 14 18 | 14 18 | 14 12 | 24 51 | 5 29 | 5 50 |
| F 4 | 15 43 | 7 12 | 1 29 | 12 4 | 1 8 | 22 11 | 0 6 | 19 46 | 1 8 | 6 17 | 1 31 | 19 48 | 1 31 | 3 16 | 0 38 | 5 35 | 1 47 | 2 34 | 14 18 | 14 18 | 14 13 | 24 49 | 5 29 | 5 50 |
| S 5 | 15 25 | 0 30 | 2 42 | 11 21 | 1 2 | 22 4 | 0 3 | 19 36 | 1 8 | 6 16 | 1 31 | 19 48 | 1 30 | 3 17 | 0 38 | 5 36 | 1 47 | 2 33 | 14 18 | 14 17 | 14 14 | 24 47 | 5 30 | 5 50 |
| S 6 | 15 7 | 6s 2 | 3 44 | 10 39 | 0 56 | 21 56 | 0 0 | 19 27 | 1 9 | 6 16 | 1 31 | 19 48 | 1 30 | 3 18 | 0 38 | 5 36 | 1 47 | 2 33 | 14 19 | 14 17 | 14 15 | 24 45 | 5 31 | 5 50 |
| M 7 | 14 49 | 12 5 | 4 30 | 9 56 | 0 49 | 21 48 | 0n 3 | 19 17 | 1 9 | 6 15 | 1 31 | 19 49 | 1 30 | 3 19 | 0 38 | 5 37 | 1 47 | 2 33 | 14 19 | 14 17 | 14 16 | 24 44 | 5 32 | 5 50 |
| T 8 | 14 31 | 17 24 | 5 1 | 9 13 | 0 42 | 21 39 | 0 5 | 19 7 | 1 9 | 6 15 | 1 32 | 19 49 | 1 30 | 3 20 | 0 38 | 5 37 | 1 47 | 2 33 | 14 19 | 14 17 | 14 17 | 24 42 | 5 33 | 5 50 |
| W 9 | 14 12 | 21 46 | 5 16 | 8 29 | 0 36 | 21 29 | 0 8 | 18 57 | 1 9 | 6 14 | 1 32 | 19 49 | 1 29 | 3 22 | 0 38 | 5 38 | 1 47 | 2 32 | 14 19 | 14 17 | 14 18 | 24 40 | 5 34 | 5 50 |
| T 10 | 13 53 | 25 3 | 5 15 | 7 46 | 0 28 | 21 19 | 0 11 | 18 46 | 1 9 | 6 13 | 1 32 | 19 49 | 1 29 | 3 23 | 0 38 | 5 39 | 1 47 | 2 32 | 14 20 | 14 17 | 14 19 | 24 38 | 5 35 | 5 50 |
| F 11 | 13 34 | 27 7 | 5 1 | 7 3 | 0 21 | 21 7 | 0 14 | 18 36 | 1 9 | 6 13 | 1 32 | 19 50 | 1 29 | 3 24 | 0 38 | 5 39 | 1 46 | 2 32 | 14 20 | 14 17 | 14 20 | 24 37 | 5 36 | 5 50 |
| S 12 | 13 14 | 27 54 | 4 33 | 6 20 | 0 14 | 20 56 | 0 17 | 18 25 | 1 9 | 6 12 | 1 33 | 19 50 | 1 29 | 3 25 | 0 38 | 5 40 | 1 46 | 2 32 | 14 20 | 14 17 | 14 21 | 24 35 | 5 37 | 5 50 |
| S 13 | 12 55 | 27 22 | 3 53 | 5 37 | 0 6 | 20 44 | 0 19 | 18 15 | 1 10 | 6 11 | 1 33 | 19 50 | 1 29 | 3 26 | 0 37 | 5 40 | 1 46 | 2 31 | 14 21 | 14 17 | 14 22 | 24 33 | 5 38 | 5 50 |
| M14 | 12 35 | 25 35 | 3 4 | 4 55 | 0s 2 | 20 31 | 0 22 | 18 4 | 1 10 | 6 10 | 1 33 | 19 51 | 1 28 | 3 27 | 0 37 | 5 41 | 1 46 | 2 31 | 14 21 | 14 17 | 14 23 | 24 31 | 5 39 | 5 50 |
| T 15 | 12 15 | 22 41 | 2 7 | 4 12 | 0 10 | 20 17 | 0 25 | 17 53 | 1 10 | 6 9 | 1 33 | 19 51 | 1 28 | 3 29 | 0 37 | 5 42 | 1 46 | 2 31 | 14 21 | 14 17 | 14 24 | 24 29 | 5 40 | 5 50 |
| W16 | 11 54 | 18 49 | 1 5 | 3 30 | 0 18 | 20 3 | 0 27 | 17 42 | 1 10 | 6 7 | 1 34 | 19 52 | 1 28 | 3 30 | 0 37 | 5 42 | 1 46 | 2 31 | 14 21 | 14 17 | 14 25 | 24 28 | 5 41 | 5 50 |
| T 17 | 11 34 | 14 10 | 0n 1 | 2 48 | 0 26 | 19 49 | 0 30 | 17 31 | 1 10 | 6 6 | 1 34 | 19 52 | 1 28 | 3 31 | 0 37 | 5 43 | 1 46 | 2 30 | 14 22 | 14 16 | 14 26 | 24 26 | 5 43 | 5 50 |
| F 18 | 11 13 | 8 56 | 1 8 | 2 6 | 0 34 | 19 34 | 0 32 | 17 20 | 1 10 | 6 5 | 1 34 | 19 53 | 1 28 | 3 32 | 0 37 | 5 44 | 1 46 | 2 30 | 14 22 | 14 17 | 14 27 | 24 24 | 5 44 | 5 50 |
| S 19 | 10 53 | 3 18 | 2 13 | 1 25 | 0 42 | 19 18 | 0 35 | 17 8 | 1 10 | 6 3 | 1 34 | 19 53 | 1 27 | 3 34 | 0 37 | 5 44 | 1 46 | 2 30 | 14 22 | 14 17 | 14 28 | 24 22 | 5 45 | 5 50 |
| S 20 | 10 32 | 2n33 | 3 12 | 0 45 | 0 51 | 19 1 | 0 37 | 16 57 | 1 11 | 6 2 | 1 34 | 19 54 | 1 27 | 3 35 | 0 37 | 5 45 | 1 46 | 2 29 | 14 22 | 14 17 | 14 29 | 24 20 | 5 46 | 5 50 |
| M21 | 10 10 | 8 23 | 4 2 | 0 4 | 0 59 | 18 45 | 0 40 | 16 45 | 1 11 | 6 0 | 1 35 | 19 54 | 1 27 | 3 36 | 0 37 | 5 46 | 1 46 | 2 29 | 14 23 | 14 18 | 14 31 | 24 18 | 5 47 | 5 50 |
| T 22 | 9 49 | 13 58 | 4 42 | 0s35 | 1 7 | 18 27 | 0 42 | 16 34 | 1 11 | 5 59 | 1 35 | 19 55 | 1 27 | 3 37 | 0 37 | 5 46 | 1 46 | 2 29 | 14 23 | 14 18 | 14 32 | 24 17 | 5 48 | 5 50 |
| W23 | 9 28 | 19 1 | 5 7 | 1 15 | 1 16 | 18 9 | 0 45 | 16 22 | 1 11 | 5 57 | 1 35 | 19 55 | 1 27 | 3 39 | 0 37 | 5 47 | 1 46 | 2 28 | 14 23 | 14 19 | 14 33 | 24 15 | 5 49 | 5 50 |
| T 24 | 9 6 | 23 15 | 5 16 | 1 53 | 1 24 | 17 51 | 0 47 | 16 10 | 1 11 | 5 55 | 1 35 | 19 56 | 1 26 | 3 40 | 0 37 | 5 48 | 1 46 | 2 28 | 14 23 | 14 19 | 14 34 | 24 13 | 5 50 | 5 50 |
| F 25 | 8 44 | 26 16 | 5 8 | 2 31 | 1 33 | 17 32 | 0 49 | 15 58 | 1 11 | 5 54 | 1 35 | 19 56 | 1 26 | 3 41 | 0 37 | 5 48 | 1 46 | 2 28 | 14 24 | 14 19 | 14 35 | 24 11 | 5 51 | 5 49 |
| S 26 | 8 22 | 27 46 | 4 41 | 3 8 | 1 41 | 17 12 | 0 51 | 15 46 | 1 11 | 5 52 | 1 36 | 19 57 | 1 26 | 3 43 | 0 37 | 5 49 | 1 46 | 2 27 | 14 24 | 14 19 | 14 36 | 24 9 | 5 52 | 5 49 |
| S 27 | 8 0 | 27 28 | 3 57 | 3 45 | 1 49 | 16 52 | 0 53 | 15 34 | 1 11 | 5 50 | 1 36 | 19 57 | 1 26 | 3 44 | 0 37 | 5 50 | 1 46 | 2 27 | 14 24 | 14 19 | 14 37 | 24 7 | 5 53 | 5 49 |
| M28 | 7 38 | 25 19 | 2 58 | 4 20 | 1 57 | 16 32 | 0 55 | 15 22 | 1 12 | 5 48 | 1 36 | 19 58 | 1 26 | 3 45 | 0 37 | 5 51 | 1 46 | 2 27 | 14 24 | 14 19 | 14 38 | 24 5 | 5 54 | 5 49 |
| T 29 | 7 16 | 21 28 | 1 46 | 4 55 | 2 6 | 16 11 | 0 58 | 15 9 | 1 12 | 5 46 | 1 36 | 19 59 | 1 25 | 3 47 | 0 37 | 5 51 | 1 46 | 2 26 | 14 25 | 14 18 | 14 39 | 24 4 | 5 55 | 5 49 |
| W30 | 6 53 | 16 14 | 0 27 | 5 29 | 2 14 | 15 49 | 0 59 | 14 57 | 1 12 | 5 44 | 1 36 | 19 59 | 1 25 | 3 48 | 0 37 | 5 52 | 1 46 | 2 26 | 14 25 | 14 18 | 14 40 | 24 2 | 5 57 | 5 49 |
| T 31 | 6n31 | 10n 4 | 0s54 | 6s 2 | 2s21 | 15n28 | 1n 1 | 14n44 | 1n12 | 5n41 | 1s37 | 20s 0 | 1n25 | 3s49 | 0n37 | 5s53 | 1n46 | 2n26 | 14s25 | 14s18 | 14s41 | 24s 0 | 5s58 | 5n49 |

Julian Day Number = 2135098.5, Delta T = 16m02s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'39, Lahiri = 11°46'40 Julian Calendar 1 Aug. 1133 == Greg. Calendar 8 Aug. 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## SEPTEMBER 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 5 35 | 14♍29'35 | 16♍17 | 10♎44 | 22♌28 | 24♌34 | 18°R 8 | 5♐56 | 11♎ 6 | 19♎ 7 | 14°R21 | 21°R48 | 20♒36 | 22♉53 | 0°R18 | F 1 |
| S 2 | 23 9 31 | 15°28'19 | 0♎37 | 11°44 | 23°42 | 25°12 | 18♈ 2 | 5°58 | 11°10 | 19° 9 | 14♉20 | 21♒46 | 20°32 | 23° 0 | 0♓15 | S 2 |
| S 3 | 23 13 28 | 16°27'04 | 14°38 | 12°41 | 24°56 | 25°50 | 17°56 | 6° 1 | 11°13 | 19°11 | 14°20 | 21°42 | 20°29 | 23° 6 | 0°12 | S 3 |
| M 4 | 23 17 25 | 17°25'52 | 28°16 | 13°35 | 26°10 | 26°28 | 17°51 | 6° 4 | 11°17 | 19°13 | 14°19 | 21°38 | 20°26 | 23°13 | 0°10 | M 4 |
| T 5 | 23 21 21 | 18°24'41 | 11♏29 | 14°27 | 27°24 | 27° 6 | 17°44 | 6° 7 | 11°20 | 19°15 | 14°19 | 21°35 | 20°23 | 23°20 | 0° 7 | T 5 |
| W 6 | 23 25 18 | 19°23'33 | 24°20 | 15°15 | 28°38 | 27°44 | 17°38 | 6°10 | 11°24 | 19°17 | 14°18 | 21°31 | 20°20 | 23°26 | 0° 4 | W 6 |
| T 7 | 23 29 14 | 20°22'26 | 6♐49 | 15°59 | 29°52 | 28°22 | 17°32 | 6°13 | 11°27 | 19°19 | 14°18 | 21°29 | 20°17 | 23°33 | 0° 2 | T 7 |
| F 8 | 23 33 11 | 21°21'21 | 19° 1 | 16°40 | 1♏ 6 | 29° 0 | 17°25 | 6°17 | 11°31 | 19°21 | 14°17 | 21°D28 | 20°13 | 23°40 | 29♒59 | F 8 |
| S 9 | 23 37 7 | 22°20'18 | 1♑ 0 | 17°16 | 2°20 | 29°38 | 17°19 | 6°20 | 11°35 | 19°23 | 14°16 | 21°29 | 20°10 | 23°46 | 29°56 | S 9 |
| S 10 | 23 41 4 | 23°19'16 | 12°52 | 17°48 | 3°35 | 0♏16 | 17°12 | 6°24 | 11°38 | 19°25 | 14°16 | 21°30 | 20° 7 | 23°53 | 29°54 | S 10 |
| M11 | 23 45 0 | 24°18'16 | 24°41 | 18°15 | 4°49 | 0°54 | 17° 5 | 6°27 | 11°42 | 19°27 | 14°15 | 21°32 | 20° 4 | 24° 0 | 29°51 | M11 |
| T 12 | 23 48 57 | 25°17'19 | 6♒32 | 18°36 | 6° 3 | 1°32 | 16°58 | 6°31 | 11°45 | 19°29 | 14°14 | 21°33 | 20° 1 | 24° 6 | 29°49 | T 12 |
| W13 | 23 52 53 | 26°16'23 | 18°29 | 18°52 | 7°18 | 2°10 | 16°51 | 6°34 | 11°49 | 19°31 | 14°14 | 21°R34 | 19°57 | 24°13 | 29°46 | W13 |
| T 14 | 23 56 50 | 27°15'28 | 0♓36 | 19° 1 | 8°32 | 2°48 | 16°44 | 6°38 | 11°53 | 19°34 | 14°13 | 21°34 | 19°54 | 24°20 | 29°44 | T 14 |
| F 15 | 0 0 47 | 28°14'36 | 12°56 | 19°R 4 | 9°47 | 3°25 | 16°37 | 6°42 | 11°56 | 19°36 | 14°12 | 21°32 | 19°51 | 24°26 | 29°41 | F 15 |
| S 16 | 0 4 43 | 29°13'46 | 25°30 | 19° 0 | 11° 1 | 4° 3 | 16°29 | 6°46 | 12° 0 | 19°38 | 14°12 | 21°28 | 19°48 | 24°33 | 29°39 | S 16 |
| S 17 | 0 8 40 | 0♎12'58 | 8♈19 | 18°48 | 12°16 | 4°41 | 16°22 | 6°50 | 12° 4 | 19°40 | 14°11 | 21°23 | 19°45 | 24°40 | 29°36 | S 17 |
| M18 | 0 12 36 | 1°12'12 | 21°23 | 18°29 | 13°30 | 5°19 | 16°14 | 6°54 | 12° 8 | 19°42 | 14°10 | 21°16 | 19°42 | 24°46 | 29°34 | M18 |
| T 19 | 0 16 33 | 2°11'28 | 4♉41 | 18° 1 | 14°45 | 5°57 | 16° 7 | 6°58 | 12°11 | 19°44 | 14° 9 | 21° 9 | 19°38 | 24°53 | 29°32 | T 19 |
| W20 | 0 20 29 | 3°10'46 | 18°11 | 17°26 | 15°59 | 6°35 | 15°59 | 7° 3 | 12°15 | 19°46 | 14° 8 | 21° 2 | 19°35 | 25° 0 | 29°29 | W20 |
| T 21 | 0 24 26 | 4°10'07 | 1♊53 | 16°42 | 17°14 | 7°13 | 15°51 | 7° 7 | 12°19 | 19°49 | 14° 8 | 20°57 | 19°32 | 25° 6 | 29°27 | T 21 |
| F 22 | 0 28 22 | 5° 9'31 | 15°43 | 15°51 | 18°29 | 7°51 | 15°44 | 7°11 | 12°23 | 19°51 | 14° 7 | 20°53 | 19°29 | 25°13 | 29°25 | F 22 |
| S 23 | 0 32 19 | 6° 8'56 | 29°42 | 14°52 | 19°44 | 8°29 | 15°36 | 7°16 | 12°26 | 19°53 | 14° 6 | 20°52 | 19°26 | 25°20 | 29°23 | S 23 |
| S 24 | 0 36 16 | 7° 8'24 | 13♋47 | 13°48 | 20°58 | 9° 7 | 15°28 | 7°20 | 12°30 | 19°55 | 14° 5 | 20°D52 | 19°23 | 25°26 | 29°21 | S 24 |
| M25 | 0 40 12 | 8° 7'55 | 27°58 | 12°39 | 22°13 | 9°45 | 15°20 | 7°25 | 12°34 | 19°57 | 14° 4 | 20°53 | 19°19 | 25°33 | 29°19 | M25 |
| T 26 | 0 44 9 | 9° 7'27 | 12♌14 | 11°27 | 23°28 | 10°22 | 15°12 | 7°30 | 12°38 | 20° 0 | 14° 3 | 20°54 | 19°16 | 25°40 | 29°16 | T 26 |
| W27 | 0 48 5 | 10° 7'02 | 26°31 | 10°13 | 24°43 | 11° 0 | 15° 4 | 7°34 | 12°41 | 20° 2 | 14° 2 | 20°R54 | 19°13 | 25°46 | 29°14 | W27 |
| T 28 | 0 52 2 | 11° 6'40 | 10♍47 | 9° 1 | 25°58 | 11°38 | 14°56 | 7°39 | 12°45 | 20° 4 | 14° 2 | 20°52 | 19°10 | 25°53 | 29°13 | T 28 |
| F 29 | 0 55 58 | 12° 6'19 | 24°58 | 7°51 | 27°13 | 12°16 | 14°47 | 7°44 | 12°49 | 20° 6 | 14° 1 | 20°48 | 19° 7 | 26° 0 | 29°11 | F 29 |
| S 30 | 0 59 55 | 13♎ 6'00 | 8♎59 | 6♎46 | 28♍28 | 12♍54 | 14♈39 | 7♐49 | 12♎53 | 20♎ 8 | 14♉ 0 | 20♒42 | 19♒ 3 | 26♑ 6 | 29♒ 9 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n 8 | 3n26 | 2s11 | 6s33 | 2s29 | 15n 5 | 1n 3 | 14n32 | 1n12 | 5n39 | 1s37 | 20s 0 | 1n25 | 3s51 | 0n37 | 5s54 | 1n46 | 2n25 | 14s25 | 14s18 | 14s42 | 23s58 | 5s59 | 5n49 |
| S 2 | 5 45 | 3s16 | 3 18 | 7 4 | 2 37 | 14 43 | 1 5 | 14 19 | 1 12 | 5 37 | 1 37 | 20 1 | 1 24 | 3 52 | 0 37 | 5 54 | 1 46 | 2 25 | 14 26 | 14 19 | 14 43 | 23 56 | 6 0 | 5 48 |
| S 3 | 5 22 | 9 38 | 4 11 | 7 33 | 2 44 | 14 19 | 1 7 | 14 6 | 1 12 | 5 34 | 1 37 | 20 2 | 1 24 | 3 54 | 0 37 | 5 55 | 1 46 | 2 24 | 14 26 | 14 20 | 14 44 | 23 54 | 6 1 | 5 48 |
| M 4 | 4 59 | 15 23 | 4 48 | 8 1 | 2 51 | 13 56 | 1 8 | 13 53 | 1 12 | 5 32 | 1 37 | 20 3 | 1 24 | 3 55 | 0 37 | 5 56 | 1 46 | 2 24 | 14 26 | 14 22 | 14 45 | 23 52 | 6 2 | 5 48 |
| T 5 | 4 36 | 20 14 | 5 9 | 8 27 | 2 58 | 13 32 | 1 10 | 13 40 | 1 12 | 5 30 | 1 37 | 20 3 | 1 24 | 3 56 | 0 37 | 5 57 | 1 46 | 2 24 | 14 26 | 14 23 | 14 46 | 23 50 | 6 3 | 5 48 |
| W 6 | 4 13 | 24 0 | 5 13 | 8 52 | 3 4 | 13 7 | 1 12 | 13 27 | 1 13 | 5 27 | 1 38 | 20 4 | 1 24 | 3 58 | 0 37 | 5 57 | 1 46 | 2 23 | 14 26 | 14 24 | 14 47 | 23 48 | 6 4 | 5 48 |
| T 7 | 3 50 | 26 31 | 5 3 | 9 14 | 3 10 | 12 43 | 1 13 | 13 14 | 1 13 | 5 25 | 1 38 | 20 5 | 1 24 | 3 59 | 0 37 | 5 58 | 1 46 | 2 23 | 14 27 | 14 24 | 14 48 | 23 46 | 6 5 | 5 48 |
| F 8 | 3 27 | 27 43 | 4 38 | 9 35 | 3 16 | 12 18 | 1 15 | 13 1 | 1 13 | 5 22 | 1 38 | 20 6 | 1 23 | 4 1 | 0 37 | 5 59 | 1 45 | 2 23 | 14 27 | 14 25 | 14 49 | 23 44 | 6 6 | 5 48 |
| S 9 | 3 3 | 27 35 | 4 2 | 9 54 | 3 21 | 11 52 | 1 16 | 12 47 | 1 13 | 5 19 | 1 38 | 20 6 | 1 23 | 4 2 | 0 37 | 6 0 | 1 45 | 2 22 | 14 27 | 14 25 | 14 50 | 23 42 | 6 8 | 5 47 |
| S 10 | 2 40 | 26 11 | 3 16 | 10 10 | 3 25 | 11 27 | 1 17 | 12 34 | 1 13 | 5 17 | 1 38 | 20 7 | 1 23 | 4 3 | 0 37 | 6 1 | 1 45 | 2 22 | 14 27 | 14 24 | 14 51 | 23 41 | 6 9 | 5 47 |
| M11 | 2 16 | 23 37 | 2 22 | 10 24 | 3 29 | 11 0 | 1 19 | 12 21 | 1 13 | 5 14 | 1 38 | 20 8 | 1 23 | 4 5 | 0 37 | 6 1 | 1 45 | 2 22 | 14 27 | 14 24 | 14 52 | 23 39 | 6 10 | 5 47 |
| T 12 | 1 53 | 20 2 | 1 21 | 10 36 | 3 32 | 10 34 | 1 20 | 12 7 | 1 13 | 5 11 | 1 38 | 20 9 | 1 23 | 4 6 | 0 37 | 6 2 | 1 45 | 2 21 | 14 28 | 14 23 | 14 53 | 23 37 | 6 11 | 5 47 |
| W13 | 1 29 | 15 38 | 0 17 | 10 44 | 3 35 | 10 7 | 1 21 | 11 53 | 1 13 | 5 8 | 1 38 | 20 9 | 1 22 | 4 8 | 0 37 | 6 3 | 1 45 | 2 21 | 14 28 | 14 23 | 14 54 | 23 35 | 6 12 | 5 47 |
| T 14 | 1 6 | 10 33 | 0n49 | 10 49 | 3 36 | 9 40 | 1 22 | 11 40 | 1 13 | 5 6 | 1 39 | 20 10 | 1 22 | 4 9 | 0 37 | 6 4 | 1 45 | 2 20 | 14 28 | 14 23 | 14 55 | 23 33 | 6 13 | 5 46 |
| F 15 | 0 42 | 4 59 | 1 54 | 10 50 | 3 36 | 9 13 | 1 23 | 11 26 | 1 13 | 5 3 | 1 39 | 20 11 | 1 22 | 4 11 | 0 37 | 6 5 | 1 45 | 2 20 | 14 28 | 14 24 | 14 56 | 23 31 | 6 14 | 5 46 |
| S 16 | 0 18 | 0n52 | 2 54 | 10 48 | 3 35 | 8 45 | 1 24 | 11 12 | 1 13 | 5 0 | 1 39 | 20 12 | 1 22 | 4 12 | 0 37 | 6 5 | 1 45 | 2 20 | 14 28 | 14 25 | 14 57 | 23 29 | 6 15 | 5 46 |
| S 17 | 0s 5 | 6 47 | 3 47 | 10 41 | 3 33 | 8 18 | 1 25 | 10 58 | 1 13 | 4 57 | 1 39 | 20 13 | 1 22 | 4 14 | 0 37 | 6 6 | 1 45 | 2 19 | 14 29 | 14 27 | 14 58 | 23 27 | 6 16 | 5 46 |
| M18 | 0 29 | 12 31 | 4 28 | 10 30 | 3 30 | 7 50 | 1 25 | 10 45 | 1 13 | 4 54 | 1 39 | 20 14 | 1 21 | 4 15 | 0 37 | 6 7 | 1 45 | 2 19 | 14 29 | 14 29 | 14 59 | 23 25 | 6 17 | 5 45 |
| T 19 | 0 53 | 17 47 | 4 57 | 10 15 | 3 24 | 7 21 | 1 26 | 10 31 | 1 13 | 4 51 | 1 39 | 20 15 | 1 21 | 4 17 | 0 37 | 6 8 | 1 45 | 2 18 | 14 29 | 14 31 | 15 0 | 23 23 | 6 18 | 5 45 |
| W20 | 1 16 | 22 16 | 5 9 | 9 55 | 3 17 | 6 53 | 1 27 | 10 17 | 1 14 | 4 48 | 1 39 | 20 15 | 1 21 | 4 18 | 0 37 | 6 9 | 1 45 | 2 18 | 14 29 | 14 33 | 15 1 | 23 21 | 6 19 | 5 45 |
| T 21 | 1 40 | 25 35 | 5 4 | 9 30 | 3 9 | 6 24 | 1 27 | 10 2 | 1 14 | 4 45 | 1 39 | 20 16 | 1 21 | 4 19 | 0 37 | 6 10 | 1 45 | 2 18 | 14 29 | 14 35 | 15 2 | 23 19 | 6 20 | 5 45 |
| F 22 | 2 4 | 27 26 | 4 41 | 9 0 | 2 58 | 5 55 | 1 28 | 9 48 | 1 14 | 4 42 | 1 39 | 20 17 | 1 21 | 4 21 | 0 37 | 6 10 | 1 45 | 2 17 | 14 30 | 14 36 | 15 3 | 23 17 | 6 21 | 5 44 |
| S 23 | 2 27 | 27 34 | 4 1 | 8 26 | 2 46 | 5 26 | 1 28 | 9 34 | 1 14 | 4 39 | 1 39 | 20 18 | 1 21 | 4 22 | 0 37 | 6 11 | 1 45 | 2 17 | 14 30 | 14 37 | 15 4 | 23 15 | 6 22 | 5 44 |
| S 24 | 2 51 | 25 56 | 3 7 | 7 47 | 2 31 | 4 57 | 1 29 | 9 20 | 1 14 | 4 36 | 1 39 | 20 19 | 1 20 | 4 24 | 0 37 | 6 12 | 1 45 | 2 16 | 14 30 | 14 37 | 15 5 | 23 13 | 6 23 | 5 44 |
| M25 | 3 14 | 22 38 | 2 1 | 7 6 | 2 15 | 4 28 | 1 29 | 9 5 | 1 14 | 4 32 | 1 39 | 20 20 | 1 20 | 4 25 | 0 37 | 6 13 | 1 45 | 2 16 | 14 30 | 14 36 | 15 6 | 23 11 | 6 24 | 5 44 |
| T 26 | 3 38 | 17 57 | 0 47 | 6 21 | 1 58 | 3 58 | 1 29 | 8 51 | 1 14 | 4 29 | 1 39 | 20 21 | 1 20 | 4 27 | 0 37 | 6 14 | 1 45 | 2 16 | 14 30 | 14 36 | 15 7 | 23 8 | 6 25 | 5 43 |
| W27 | 4 2 | 12 16 | 0s30 | 5 35 | 1 39 | 3 28 | 1 29 | 8 37 | 1 14 | 4 26 | 1 39 | 20 22 | 1 20 | 4 28 | 0 37 | 6 15 | 1 45 | 2 15 | 14 30 | 14 36 | 15 8 | 23 6 | 6 26 | 5 43 |
| T 28 | 4 25 | 5 56 | 1 45 | 4 48 | 1 19 | 2 59 | 1 29 | 8 22 | 1 14 | 4 23 | 1 39 | 20 23 | 1 20 | 4 30 | 0 37 | 6 15 | 1 45 | 2 15 | 14 30 | 14 36 | 15 9 | 23 4 | 6 27 | 5 43 |
| F 29 | 4 48 | 0s38 | 2 53 | 4 1 | 0 58 | 2 29 | 1 29 | 8 8 | 1 14 | 4 20 | 1 39 | 20 24 | 1 20 | 4 31 | 0 37 | 6 16 | 1 45 | 2 15 | 14 31 | 14 38 | 15 10 | 23 2 | 6 28 | 5 43 |
| S 30 | 5s12 | 7s 5 | 3s49 | 3s17 | 0s38 | 1n59 | 1n29 | 7n53 | 1n14 | 4n17 | 1s39 | 20s25 | 1n19 | 4s33 | 0n37 | 6s17 | 1n45 | 2n14 | 14s31 | 14s40 | 15s11 | 23s 0 | 6s29 | 5n42 |

Julian Day Number = 2135129.5, Delta T = 16m02s
Ecliptic obliquity = 23°33'14, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'44, Lahiri = 11°46'44 Julian Calendar 1 Sept. 1133 == Greg. Calendar 8 Sept. 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## OCTOBER 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 3 51 | 14♎ 5'44 | 22♎46 | 5°R49 | 29♍43 | 13♍32 | 14°R31 | 7♐54 | 12♎56 | 20♎11 | 13°R59 | 20°R33 | 19♒ 0 | 26♉13 | 29°R 7 | S 1 |
| M 2 | 1 7 48 | 15° 5'30 | 6♏15 | 5♎ 0 | 0♎58 | 14°10 | 14♈23 | 7°59 | 13° 0 | 20°13 | 13♉58 | 20♒24 | 18°57 | 26°20 | 29♒ 5 | M 2 |
| T 3 | 1 11 45 | 16° 5'17 | 19°25 | 4°21 | 2°13 | 14°48 | 14°15 | 8° 4 | 13° 4 | 20°15 | 13°57 | 20°14 | 18°54 | 26°26 | 29° 3 | T 3 |
| W 4 | 1 15 41 | 17° 5'07 | 2♐14 | 3°53 | 3°28 | 15°25 | 14° 7 | 8°10 | 13° 8 | 20°17 | 13°56 | 20° 5 | 18°51 | 26°33 | 29° 2 | W 4 |
| T 5 | 1 19 38 | 18° 4'58 | 14°43 | 3°36 | 4°43 | 16° 3 | 13°59 | 8°15 | 13°11 | 20°20 | 13°55 | 19°58 | 18°48 | 26°40 | 29° 0 | T 5 |
| F 6 | 1 23 34 | 19° 4'51 | 26°55 | 3°D30 | 5°58 | 16°41 | 13°51 | 8°20 | 13°15 | 20°22 | 13°54 | 19°53 | 18°44 | 26°46 | 28°59 | F 6 |
| S 7 | 1 27 31 | 20° 4'46 | 8♑55 | 3°36 | 7°13 | 17°19 | 13°43 | 8°26 | 13°19 | 20°24 | 13°53 | 19°50 | 18°41 | 26°53 | 28°57 | S 7 |
| S 8 | 1 31 27 | 21° 4'42 | 20°46 | 3°52 | 8°28 | 17°57 | 13°35 | 8°31 | 13°23 | 20°26 | 13°52 | 19°D49 | 18°38 | 27° 0 | 28°56 | S 8 |
| M 9 | 1 35 24 | 22° 4'41 | 2♒34 | 4°19 | 9°44 | 18°35 | 13°27 | 8°37 | 13°27 | 20°29 | 13°51 | 19°50 | 18°35 | 27° 6 | 28°54 | M 9 |
| T 10 | 1 39 20 | 23° 4'40 | 14°25 | 4°55 | 10°59 | 19°12 | 13°19 | 8°42 | 13°30 | 20°31 | 13°50 | 19°R50 | 18°32 | 27°13 | 28°53 | T 10 |
| W11 | 1 43 17 | 24° 4'42 | 26°24 | 5°39 | 12°14 | 19°50 | 13°11 | 8°48 | 13°34 | 20°33 | 13°49 | 19°50 | 18°29 | 27°19 | 28°51 | W11 |
| T 12 | 1 47 14 | 25° 4'45 | 8♓36 | 6°31 | 13°29 | 20°28 | 13° 3 | 8°54 | 13°38 | 20°35 | 13°48 | 19°49 | 18°25 | 27°26 | 28°50 | T 12 |
| F 13 | 1 51 10 | 26° 4'50 | 21° 4 | 7°30 | 14°44 | 21° 6 | 12°55 | 8°59 | 13°41 | 20°38 | 13°47 | 19°44 | 18°22 | 27°33 | 28°49 | F 13 |
| S 14 | 1 55 7 | 27° 4'56 | 3♈52 | 8°35 | 16° 0 | 21°44 | 12°48 | 9° 5 | 13°45 | 20°40 | 13°45 | 19°37 | 18°19 | 27°39 | 28°48 | S 14 |
| S 15 | 1 59 3 | 28° 5'04 | 16°59 | 9°45 | 17°15 | 22°21 | 12°40 | 9°11 | 13°49 | 20°42 | 13°44 | 19°28 | 18°16 | 27°46 | 28°47 | S 15 |
| M16 | 2 3 0 | 29° 5'15 | 0♉26 | 11° 0 | 18°30 | 22°59 | 12°33 | 9°17 | 13°52 | 20°44 | 13°43 | 19°17 | 18°13 | 27°53 | 28°46 | M16 |
| T 17 | 2 6 56 | 0♏ 5'26 | 14°11 | 12°18 | 19°46 | 23°37 | 12°25 | 9°23 | 13°56 | 20°46 | 13°42 | 19° 5 | 18° 9 | 27°59 | 28°45 | T 17 |
| W18 | 2 10 53 | 1° 5'40 | 28° 9 | 13°40 | 21° 1 | 24°15 | 12°18 | 9°29 | 14° 0 | 20°49 | 13°41 | 18°54 | 18° 6 | 28° 6 | 28°44 | W18 |
| T 19 | 2 14 49 | 2° 5'56 | 12♊15 | 15° 4 | 22°16 | 24°53 | 12°11 | 9°35 | 14° 3 | 20°51 | 13°40 | 18°44 | 18° 3 | 28°13 | 28°43 | T 19 |
| F 20 | 2 18 46 | 3° 6'14 | 26°26 | 16°31 | 23°32 | 25°30 | 12° 4 | 9°41 | 14° 7 | 20°53 | 13°39 | 18°37 | 18° 0 | 28°19 | 28°42 | F 20 |
| S 21 | 2 22 43 | 4° 6'34 | 10♋38 | 18° 0 | 24°47 | 26° 8 | 11°57 | 9°47 | 14°11 | 20°55 | 13°38 | 18°33 | 17°57 | 28°26 | 28°41 | S 21 |
| S 22 | 2 26 39 | 5° 6'56 | 24°48 | 19°30 | 26° 2 | 26°46 | 11°50 | 9°54 | 14°14 | 20°58 | 13°37 | 18°31 | 17°54 | 28°33 | 28°41 | S 22 |
| M23 | 2 30 36 | 6° 7'20 | 8♌53 | 21° 1 | 27°18 | 27°24 | 11°43 | 10° 0 | 14°18 | 21° 0 | 13°36 | 18°D31 | 17°50 | 28°39 | 28°40 | M23 |
| T 24 | 2 34 32 | 7° 7'46 | 22°55 | 22°34 | 28°33 | 28° 2 | 11°36 | 10° 6 | 14°21 | 21° 2 | 13°35 | 18°R31 | 17°47 | 28°46 | 28°39 | T 24 |
| W25 | 2 38 29 | 8° 8'14 | 6♍51 | 24° 7 | 29°49 | 28°39 | 11°30 | 10°12 | 14°25 | 21° 4 | 13°33 | 18°30 | 17°44 | 28°53 | 28°39 | W25 |
| T 26 | 2 42 25 | 9° 8'43 | 20°42 | 25°41 | 1♏ 4 | 29°17 | 11°24 | 10°19 | 14°29 | 21° 6 | 13°32 | 18°26 | 17°41 | 28°59 | 28°38 | T 26 |
| F 27 | 2 46 22 | 10° 9'15 | 4♎27 | 27°15 | 2°19 | 29°55 | 11°17 | 10°25 | 14°32 | 21° 8 | 13°31 | 18°20 | 17°38 | 29° 6 | 28°38 | F 27 |
| S 28 | 2 50 18 | 11° 9'48 | 18° 2 | 28°50 | 3°35 | 0♎33 | 11°11 | 10°32 | 14°36 | 21°11 | 13°30 | 18°11 | 17°34 | 29°13 | 28°38 | S 28 |
| S 29 | 2 54 15 | 12°10'23 | 1♏27 | 0♏25 | 4°50 | 1°10 | 11° 5 | 10°38 | 14°39 | 21°13 | 13°29 | 17°59 | 17°31 | 29°19 | 28°37 | S 29 |
| M30 | 2 58 12 | 13°11'00 | 14°38 | 2° 0 | 6° 6 | 1°48 | 11° 0 | 10°45 | 14°42 | 21°15 | 13°28 | 17°46 | 17°28 | 29°26 | 28°37 | M30 |
| T 31 | 3 2 8 | 14♏11'38 | 27♏34 | 3♏35 | 7♏21 | 2♎26 | 10♈54 | 10♐51 | 14♎46 | 21♎17 | 13♉27 | 17♒32 | 17♒25 | 29♉33 | 28♒37 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s35 | 13s 5 | 4s31 | 2s35 | 0s17 | 1n29 | 1n29 | 7n39 | 1n14 | 4n14 | 1s39 | 20s26 | 1n19 | 4s34 | 0n37 | 6s18 | 1n45 | 2n14 | 14s31 | 14s42 | 15s12 | 22s58 | 6s30 | 5n42 |
| M 2 | 5 58 | 18 19 | 4 56 | 1 57 | 0n 3 | 0 58 | 1 29 | 7 24 | 1 14 | 4 11 | 1 39 | 20 27 | 1 19 | 4 36 | 0 37 | 6 19 | 1 45 | 2 13 | 14 31 | 14 46 | 15 13 | 22 56 | 6 30 | 5 42 |
| T 3 | 6 21 | 22 33 | 5 5 | 1 24 | 0 21 | 0 28 | 1 29 | 7 9 | 1 14 | 4 8 | 1 39 | 20 28 | 1 19 | 4 37 | 0 37 | 6 20 | 1 45 | 2 13 | 14 31 | 14 49 | 15 14 | 22 54 | 6 31 | 5 41 |
| W 4 | 6 45 | 25 35 | 4 59 | 0 57 | 0 39 | 0s 2 | 1 28 | 6 54 | 1 14 | 4 4 | 1 39 | 20 29 | 1 19 | 4 39 | 0 37 | 6 21 | 1 45 | 2 13 | 14 31 | 14 51 | 15 15 | 22 52 | 6 32 | 5 41 |
| T 5 | 7 8 | 27 16 | 4 38 | 0 35 | 0 55 | 0 32 | 1 28 | 6 40 | 1 14 | 4 1 | 1 39 | 20 30 | 1 19 | 4 40 | 0 37 | 6 21 | 1 45 | 2 12 | 14 31 | 14 54 | 15 16 | 22 50 | 6 33 | 5 41 |
| F 6 | 7 30 | 27 35 | 4 4 | 0 20 | 1 10 | 1 3 | 1 28 | 6 25 | 1 14 | 3 58 | 1 39 | 20 31 | 1 18 | 4 42 | 0 37 | 6 22 | 1 45 | 2 12 | 14 31 | 14 55 | 15 17 | 22 48 | 6 34 | 5 40 |
| S 7 | 7 53 | 26 35 | 3 21 | 0 10 | 1 23 | 1 33 | 1 27 | 6 10 | 1 14 | 3 55 | 1 39 | 20 32 | 1 18 | 4 43 | 0 37 | 6 23 | 1 45 | 2 11 | 14 31 | 14 56 | 15 18 | 22 46 | 6 35 | 5 40 |
| S 8 | 8 16 | 24 24 | 2 29 | 0 6 | 1 34 | 2 3 | 1 26 | 5 55 | 1 14 | 3 52 | 1 38 | 20 33 | 1 18 | 4 45 | 0 37 | 6 24 | 1 45 | 2 11 | 14 32 | 14 56 | 15 19 | 22 43 | 6 35 | 5 40 |
| M 9 | 8 38 | 21 9 | 1 31 | 0 8 | 1 44 | 2 33 | 1 26 | 5 40 | 1 14 | 3 49 | 1 38 | 20 34 | 1 18 | 4 46 | 0 37 | 6 25 | 1 45 | 2 11 | 14 32 | 14 56 | 15 20 | 22 41 | 6 36 | 5 39 |
| T 10 | 9 1 | 17 3 | 0 29 | 0 15 | 1 52 | 3 4 | 1 25 | 5 26 | 1 14 | 3 46 | 1 38 | 20 35 | 1 18 | 4 48 | 0 37 | 6 26 | 1 45 | 2 10 | 14 32 | 14 56 | 15 21 | 22 39 | 6 37 | 5 39 |
| W11 | 9 23 | 12 14 | 0n35 | 0 27 | 1 58 | 3 34 | 1 24 | 5 11 | 1 14 | 3 43 | 1 38 | 20 36 | 1 18 | 4 49 | 0 37 | 6 26 | 1 45 | 2 10 | 14 32 | 14 56 | 15 22 | 22 37 | 6 38 | 5 39 |
| T 12 | 9 45 | 6 52 | 1 38 | 0 43 | 2 3 | 4 4 | 1 23 | 4 56 | 1 14 | 3 40 | 1 38 | 20 37 | 1 18 | 4 50 | 0 37 | 6 27 | 1 45 | 2 10 | 14 32 | 14 57 | 15 23 | 22 35 | 6 39 | 5 38 |
| F 13 | 10 7 | 1 8 | 2 38 | 1 3 | 2 7 | 4 34 | 1 23 | 4 41 | 1 14 | 3 37 | 1 38 | 20 38 | 1 17 | 4 52 | 0 37 | 6 28 | 1 45 | 2 9 | 14 32 | 14 58 | 15 24 | 22 33 | 6 39 | 5 38 |
| S 14 | 10 29 | 4n47 | 3 32 | 1 26 | 2 9 | 5 4 | 1 22 | 4 26 | 1 14 | 3 35 | 1 38 | 20 39 | 1 17 | 4 53 | 0 37 | 6 29 | 1 45 | 2 9 | 14 32 | 15 0 | 15 25 | 22 31 | 6 40 | 5 38 |
| S 15 | 10 51 | 10 38 | 4 15 | 1 53 | 2 11 | 5 34 | 1 21 | 4 11 | 1 14 | 3 32 | 1 38 | 20 40 | 1 17 | 4 55 | 0 37 | 6 30 | 1 45 | 2 9 | 14 32 | 15 3 | 15 26 | 22 29 | 6 41 | 5 37 |
| M16 | 11 12 | 16 8 | 4 46 | 2 22 | 2 11 | 6 4 | 1 19 | 3 56 | 1 14 | 3 29 | 1 37 | 20 41 | 1 17 | 4 56 | 0 37 | 6 31 | 1 45 | 2 8 | 14 32 | 15 7 | 15 27 | 22 26 | 6 41 | 5 37 |
| T 17 | 11 33 | 20 57 | 5 1 | 2 53 | 2 10 | 6 33 | 1 18 | 3 41 | 1 14 | 3 26 | 1 37 | 20 42 | 1 17 | 4 58 | 0 37 | 6 31 | 1 45 | 2 8 | 14 32 | 15 10 | 15 28 | 22 24 | 6 42 | 5 37 |
| W18 | 11 55 | 24 40 | 4 58 | 3 26 | 2 9 | 7 3 | 1 17 | 3 26 | 1 14 | 3 24 | 1 37 | 20 43 | 1 17 | 4 59 | 0 37 | 6 32 | 1 45 | 2 7 | 14 32 | 15 14 | 15 29 | 22 22 | 6 43 | 5 36 |
| T 19 | 12 16 | 26 57 | 4 37 | 4 1 | 2 7 | 7 32 | 1 16 | 3 11 | 1 14 | 3 21 | 1 37 | 20 44 | 1 17 | 5 0 | 0 37 | 6 33 | 1 45 | 2 7 | 14 32 | 15 17 | 15 30 | 22 20 | 6 43 | 5 36 |
| F 20 | 12 36 | 27 29 | 3 59 | 4 37 | 2 4 | 8 1 | 1 15 | 2 55 | 1 14 | 3 18 | 1 37 | 20 45 | 1 16 | 5 2 | 0 37 | 6 34 | 1 45 | 2 7 | 14 32 | 15 19 | 15 31 | 22 18 | 6 44 | 5 36 |
| S 21 | 12 57 | 26 13 | 3 6 | 5 14 | 2 0 | 8 30 | 1 13 | 2 40 | 1 14 | 3 16 | 1 37 | 20 46 | 1 16 | 5 3 | 0 37 | 6 35 | 1 45 | 2 6 | 14 32 | 15 20 | 15 32 | 22 16 | 6 45 | 5 35 |
| S 22 | 13 17 | 23 16 | 2 2 | 5 52 | 1 56 | 8 59 | 1 12 | 2 25 | 1 14 | 3 13 | 1 36 | 20 47 | 1 16 | 5 5 | 0 37 | 6 35 | 1 45 | 2 6 | 14 32 | 15 21 | 15 33 | 22 13 | 6 45 | 5 35 |
| M23 | 13 38 | 18 56 | 0 51 | 6 31 | 1 52 | 9 28 | 1 10 | 2 10 | 1 14 | 3 11 | 1 36 | 20 48 | 1 16 | 5 6 | 0 37 | 6 36 | 1 45 | 2 6 | 14 32 | 15 21 | 15 33 | 22 11 | 6 46 | 5 35 |
| T 24 | 13 57 | 13 35 | 0s23 | 7 10 | 1 47 | 9 56 | 1 9 | 1 55 | 1 14 | 3 8 | 1 36 | 20 49 | 1 16 | 5 7 | 0 37 | 6 37 | 1 45 | 2 5 | 14 32 | 15 21 | 15 34 | 22 9 | 6 46 | 5 34 |
| W25 | 14 17 | 7 33 | 1 35 | 7 49 | 1 42 | 10 25 | 1 7 | 1 40 | 1 14 | 3 6 | 1 36 | 20 50 | 1 16 | 5 9 | 0 37 | 6 38 | 1 45 | 2 5 | 14 32 | 15 21 | 15 35 | 22 7 | 6 47 | 5 34 |
| T 26 | 14 37 | 1 14 | 2 41 | 8 28 | 1 36 | 10 53 | 1 6 | 1 25 | 1 14 | 3 4 | 1 36 | 20 51 | 1 16 | 5 10 | 0 37 | 6 39 | 1 45 | 2 5 | 14 32 | 15 22 | 15 36 | 22 5 | 6 47 | 5 34 |
| F 27 | 14 56 | 5s 6 | 3 37 | 9 8 | 1 31 | 11 20 | 1 4 | 1 10 | 1 14 | 3 1 | 1 35 | 20 52 | 1 16 | 5 11 | 0 37 | 6 39 | 1 45 | 2 5 | 14 32 | 15 24 | 15 37 | 22 2 | 6 48 | 5 33 |
| S 28 | 15 15 | 11 6 | 4 20 | 9 47 | 1 25 | 11 48 | 1 2 | 0 54 | 1 14 | 2 59 | 1 35 | 20 53 | 1 15 | 5 13 | 0 37 | 6 40 | 1 45 | 2 4 | 14 32 | 15 27 | 15 38 | 22 0 | 6 48 | 5 33 |
| S 29 | 15 34 | 16 31 | 4 48 | 10 27 | 1 19 | 12 15 | 1 0 | 0 39 | 1 14 | 2 57 | 1 35 | 20 54 | 1 15 | 5 14 | 0 37 | 6 41 | 1 45 | 2 4 | 14 32 | 15 31 | 15 39 | 21 58 | 6 49 | 5 32 |
| M30 | 15 52 | 21 4 | 4 59 | 11 6 | 1 12 | 12 42 | 0 59 | 0 24 | 1 13 | 2 55 | 1 35 | 20 55 | 1 15 | 5 15 | 0 37 | 6 42 | 1 45 | 2 4 | 14 32 | 15 35 | 15 40 | 21 56 | 6 49 | 5 32 |
| T 31 | 16s10 | 24s30 | 4s55 | 11s44 | 1n 6 | 13s 8 | 0n57 | 0n 9 | 1n13 | 2n53 | 1s34 | 20s56 | 1n15 | 5s17 | 0n37 | 6s43 | 1n46 | 2n 3 | 14s32 | 15s39 | 15s41 | 21s53 | 6s49 | 5n32 |

Julian Day Number = 2135159.5, Delta T = 16m02s
Ecliptic obliquity = 23°33'13, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'48, Lahiri = 11°46'48 Julian Calendar 1 Oct. 1133 == Greg. Calendar 8 Oct. 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## NOVEMBER 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 6 5 | 15♏12'17 | 10♐14 | 5♏11 | 8♏37 | 3♎ 3 | 10°R49 | 10♐58 | 14♎49 | 21♎19 | 13°R25 | 17°R19 | 17♒22 | 29♑39 | 28°R37 | W 1 |
| T 2 | 3 10 1 | 16°12'59 | 22°38 | 6°46 | 9°52 | 3°41 | 10♈43 | 11° 4 | 14°53 | 21°21 | 13♉24 | 17♒ 8 | 17°19 | 29°46 | 28°D37 | T 2 |
| F 3 | 3 13 58 | 17°13'41 | 4♑47 | 8°21 | 11° 8 | 4°19 | 10°38 | 11°11 | 14°56 | 21°23 | 13°23 | 17° 0 | 17°15 | 29°53 | 28♒37 | F 3 |
| S 4 | 3 17 54 | 18°14'24 | 16°45 | 9°57 | 12°23 | 4°57 | 10°33 | 11°18 | 14°59 | 21°25 | 13°22 | 16°54 | 17°12 | 29°59 | 28°37 | S 4 |
| S 5 | 3 21 51 | 19°15'09 | 28°35 | 11°32 | 13°39 | 5°34 | 10°29 | 11°24 | 15° 3 | 21°27 | 13°21 | 16°51 | 17° 9 | 0♒ 6 | 28°37 | S 5 |
| M 6 | 3 25 47 | 20°15'55 | 10♒22 | 13° 7 | 14°54 | 6°12 | 10°24 | 11°31 | 15° 6 | 21°29 | 13°20 | 16°50 | 17° 6 | 0°12 | 28°37 | M 6 |
| T 7 | 3 29 44 | 21°16'42 | 22°11 | 14°42 | 16°10 | 6°50 | 10°20 | 11°38 | 15° 9 | 21°31 | 13°19 | 16°50 | 17° 3 | 0°19 | 28°37 | T 7 |
| W 8 | 3 33 41 | 22°17'29 | 4♓ 9 | 16°17 | 17°25 | 7°27 | 10°16 | 11°45 | 15°12 | 21°33 | 13°18 | 16°50 | 17° 0 | 0°26 | 28°38 | W 8 |
| T 9 | 3 37 37 | 23°18'18 | 16°20 | 17°51 | 18°41 | 8° 5 | 10°11 | 11°51 | 15°16 | 21°35 | 13°17 | 16°48 | 16°56 | 0°32 | 28°38 | T 9 |
| F 10 | 3 41 34 | 24°19'08 | 28°50 | 19°26 | 19°56 | 8°42 | 10° 8 | 11°58 | 15°19 | 21°37 | 13°15 | 16°44 | 16°53 | 0°39 | 28°38 | F 10 |
| S 11 | 3 45 30 | 25°19'58 | 11♈43 | 21° 1 | 21°12 | 9°20 | 10° 4 | 12° 5 | 15°22 | 21°39 | 13°14 | 16°37 | 16°50 | 0°46 | 28°39 | S 11 |
| S 12 | 3 49 27 | 26°20'50 | 25° 1 | 22°35 | 22°27 | 9°58 | 10° 1 | 12°12 | 15°25 | 21°41 | 13°13 | 16°28 | 16°47 | 0°52 | 28°39 | S 12 |
| M13 | 3 53 23 | 27°21'43 | 8♉44 | 24° 9 | 23°43 | 10°35 | 9°57 | 12°19 | 15°28 | 21°43 | 13°12 | 16°16 | 16°44 | 0°59 | 28°40 | M13 |
| T 14 | 3 57 20 | 28°22'37 | 22°49 | 25°44 | 24°58 | 11°13 | 9°54 | 12°26 | 15°31 | 21°45 | 13°11 | 16° 4 | 16°40 | 1° 6 | 28°41 | T 14 |
| W15 | 4 1 16 | 29°23'31 | 7♊12 | 27°18 | 26°14 | 11°50 | 9°51 | 12°33 | 15°34 | 21°47 | 13°10 | 15°52 | 16°37 | 1°12 | 28°41 | W15 |
| T 16 | 4 5 13 | 0♐24'27 | 21°47 | 28°52 | 27°29 | 12°28 | 9°49 | 12°40 | 15°37 | 21°49 | 13° 9 | 15°42 | 16°34 | 1°19 | 28°42 | T 16 |
| F 17 | 4 9 10 | 1°25'25 | 6♋25 | 0♐27 | 28°45 | 13° 6 | 9°46 | 12°47 | 15°40 | 21°51 | 13° 8 | 15°34 | 16°31 | 1°26 | 28°43 | F 17 |
| S 18 | 4 13 6 | 2°26'23 | 21° 1 | 2° 1 | 0♐ 0 | 13°43 | 9°44 | 12°54 | 15°43 | 21°52 | 13° 7 | 15°30 | 16°28 | 1°32 | 28°44 | S 18 |
| S 19 | 4 17 3 | 3°27'22 | 5♌28 | 3°35 | 1°16 | 14°21 | 9°42 | 13° 1 | 15°46 | 21°54 | 13° 6 | 15°28 | 16°25 | 1°39 | 28°45 | S 19 |
| M20 | 4 20 59 | 4°28'23 | 19°44 | 5° 9 | 2°32 | 14°58 | 9°40 | 13° 8 | 15°48 | 21°56 | 13° 5 | 15°D27 | 16°21 | 1°46 | 28°46 | M20 |
| T 21 | 4 24 56 | 5°29'25 | 3♍46 | 6°44 | 3°47 | 15°36 | 9°39 | 13°15 | 15°51 | 21°58 | 13° 4 | 15°R28 | 16°18 | 1°52 | 28°47 | T 21 |
| W22 | 4 28 52 | 6°30'27 | 17°35 | 8°18 | 5° 3 | 16°13 | 9°37 | 13°22 | 15°54 | 21°59 | 13° 3 | 15°27 | 16°15 | 1°59 | 28°48 | W22 |
| T 23 | 4 32 49 | 7°31'31 | 1♎11 | 9°53 | 6°18 | 16°51 | 9°36 | 13°29 | 15°57 | 22° 1 | 13° 2 | 15°25 | 16°12 | 2° 6 | 28°49 | T 23 |
| F 24 | 4 36 45 | 8°32'36 | 14°35 | 11°27 | 7°34 | 17°28 | 9°35 | 13°36 | 15°59 | 22° 3 | 13° 1 | 15°20 | 16° 9 | 2°12 | 28°51 | F 24 |
| S 25 | 4 40 42 | 9°33'42 | 27°48 | 13° 2 | 8°49 | 18° 6 | 9°34 | 13°43 | 16° 2 | 22° 5 | 13° 0 | 15°12 | 16° 6 | 2°19 | 28°52 | S 25 |
| S 26 | 4 44 39 | 10°34'49 | 10♏48 | 14°37 | 10° 5 | 18°43 | 9°34 | 13°50 | 16° 5 | 22° 6 | 12°59 | 15° 2 | 16° 2 | 2°25 | 28°53 | S 26 |
| M27 | 4 48 35 | 11°35'57 | 23°38 | 16°12 | 11°20 | 19°21 | 9°33 | 13°57 | 16° 7 | 22° 8 | 12°58 | 14°50 | 15°59 | 2°32 | 28°55 | M27 |
| T 28 | 4 52 32 | 12°37'05 | 6♐15 | 17°47 | 12°36 | 19°58 | 9°D33 | 14° 4 | 16°10 | 22° 9 | 12°57 | 14°38 | 15°56 | 2°39 | 28°56 | T 28 |
| W29 | 4 56 28 | 13°38'14 | 18°40 | 19°22 | 13°51 | 20°36 | 9°33 | 14°11 | 16°12 | 22°11 | 12°56 | 14°26 | 15°53 | 2°45 | 28°58 | W29 |
| T 30 | 5 0 25 | 14♐39'24 | 0♑53 | 20♐57 | 15♐ 7 | 21♎13 | 9♈33 | 14♐18 | 16♎14 | 22♎13 | 12♉55 | 14♒17 | 15♒50 | 2♒52 | 28♒59 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16s28 | 26s39 | 4s37 | 12s23 | 0n59 | 13s34 | 0n55 | 0s 6 | 1n13 | 2n51 | 1s34 | 20s57 | 1n15 | 5s18 | 0n37 | 6s43 | 1n46 | 2n 3 | 14s32 | 15s43 | 15s42 | 21s51 | 6s50 | 5n31 | W 1 |
| T 2 | 16 46 | 27 26 | 4 5 | 13 1 | 0 53 | 14 0 | 0 53 | 0 21 | 1 13 | 2 49 | 1 34 | 20 58 | 1 15 | 5 19 | 0 37 | 6 44 | 1 46 | 2 3 | 14 32 | 15 46 | 15 43 | 21 49 | 6 50 | 5 31 | T 2 |
| F 3 | 17 3 | 26 51 | 3 23 | 13 38 | 0 46 | 14 26 | 0 51 | 0 36 | 1 13 | 2 48 | 1 34 | 20 59 | 1 15 | 5 21 | 0 37 | 6 45 | 1 46 | 2 3 | 14 32 | 15 49 | 15 44 | 21 47 | 6 51 | 5 31 | F 3 |
| S 4 | 17 21 | 25 1 | 2 32 | 14 15 | 0 39 | 14 51 | 0 49 | 0 51 | 1 13 | 2 46 | 1 33 | 21 0 | 1 15 | 5 22 | 0 37 | 6 46 | 1 46 | 2 2 | 14 32 | 15 51 | 15 45 | 21 44 | 6 51 | 5 30 | S 4 |
| S 5 | 17 37 | 22 6 | 1 35 | 14 51 | 0 32 | 15 16 | 0 47 | 1 6 | 1 13 | 2 44 | 1 33 | 21 2 | 1 15 | 5 23 | 0 37 | 6 46 | 1 46 | 2 2 | 14 32 | 15 52 | 15 46 | 21 42 | 6 51 | 5 30 | S 5 |
| M 6 | 17 54 | 18 17 | 0 34 | 15 27 | 0 25 | 15 40 | 0 45 | 1 21 | 1 13 | 2 43 | 1 33 | 21 3 | 1 14 | 5 24 | 0 37 | 6 47 | 1 46 | 2 2 | 14 32 | 15 52 | 15 47 | 21 40 | 6 51 | 5 30 | M 6 |
| T 7 | 18 10 | 13 44 | 0n28 | 16 2 | 0 19 | 16 4 | 0 43 | 1 36 | 1 13 | 2 41 | 1 33 | 21 4 | 1 14 | 5 26 | 0 37 | 6 48 | 1 46 | 2 1 | 14 32 | 15 52 | 15 48 | 21 38 | 6 52 | 5 29 | T 7 |
| W 8 | 18 26 | 8 38 | 1 30 | 16 36 | 0 12 | 16 28 | 0 41 | 1 52 | 1 13 | 2 40 | 1 32 | 21 5 | 1 14 | 5 27 | 0 37 | 6 49 | 1 46 | 2 1 | 14 32 | 15 52 | 15 49 | 21 35 | 6 52 | 5 29 | W 8 |
| T 9 | 18 41 | 3 7 | 2 29 | 17 9 | 0 5 | 16 51 | 0 39 | 2 7 | 1 13 | 2 39 | 1 32 | 21 6 | 1 14 | 5 28 | 0 37 | 6 49 | 1 46 | 2 1 | 14 32 | 15 52 | 15 50 | 21 33 | 6 52 | 5 28 | T 9 |
| F 10 | 18 56 | 2n38 | 3 23 | 17 42 | 0s 2 | 17 13 | 0 36 | 2 21 | 1 13 | 2 37 | 1 32 | 21 7 | 1 14 | 5 29 | 0 37 | 6 50 | 1 46 | 2 1 | 14 32 | 15 54 | 15 51 | 21 31 | 6 52 | 5 28 | F 10 |
| S 11 | 19 11 | 8 27 | 4 8 | 18 14 | 0 8 | 17 36 | 0 34 | 2 36 | 1 12 | 2 36 | 1 31 | 21 8 | 1 14 | 5 31 | 0 37 | 6 51 | 1 46 | 2 1 | 14 32 | 15 56 | 15 52 | 21 29 | 6 53 | 5 28 | S 11 |
| S 12 | 19 26 | 14 4 | 4 40 | 18 45 | 0 15 | 17 57 | 0 32 | 2 51 | 1 12 | 2 35 | 1 31 | 21 9 | 1 14 | 5 32 | 0 37 | 6 51 | 1 46 | 2 0 | 14 32 | 15 59 | 15 53 | 21 26 | 6 53 | 5 27 | S 12 |
| M13 | 19 40 | 19 11 | 4 58 | 19 15 | 0 22 | 18 19 | 0 30 | 3 6 | 1 12 | 2 34 | 1 31 | 21 10 | 1 14 | 5 33 | 0 37 | 6 52 | 1 46 | 2 0 | 14 31 | 16 2 | 15 54 | 21 24 | 6 53 | 5 27 | M13 |
| T 14 | 19 54 | 23 23 | 4 59 | 19 44 | 0 28 | 18 39 | 0 28 | 3 21 | 1 12 | 2 33 | 1 31 | 21 11 | 1 14 | 5 34 | 0 37 | 6 53 | 1 46 | 2 0 | 14 31 | 16 6 | 15 55 | 21 22 | 6 53 | 5 27 | T 14 |
| W15 | 20 7 | 26 14 | 4 41 | 20 13 | 0 35 | 19 0 | 0 25 | 3 36 | 1 12 | 2 32 | 1 30 | 21 12 | 1 14 | 5 35 | 0 37 | 6 53 | 1 46 | 2 0 | 14 31 | 16 9 | 15 56 | 21 19 | 6 53 | 5 26 | W15 |
| T 16 | 20 20 | 27 21 | 4 4 | 20 40 | 0 41 | 19 19 | 0 23 | 3 51 | 1 12 | 2 32 | 1 30 | 21 12 | 1 14 | 5 36 | 0 37 | 6 54 | 1 46 | 2 0 | 14 31 | 16 12 | 15 57 | 21 17 | 6 53 | 5 26 | T 16 |
| F 17 | 20 33 | 26 35 | 3 11 | 21 6 | 0 47 | 19 38 | 0 21 | 4 6 | 1 12 | 2 31 | 1 30 | 21 13 | 1 13 | 5 37 | 0 37 | 6 55 | 1 46 | 1 59 | 14 31 | 16 15 | 15 58 | 21 15 | 6 53 | 5 25 | F 17 |
| S 18 | 20 45 | 23 58 | 2 6 | 21 32 | 0 53 | 19 57 | 0 18 | 4 20 | 1 12 | 2 30 | 1 29 | 21 14 | 1 13 | 5 39 | 0 37 | 6 55 | 1 46 | 1 59 | 14 31 | 16 16 | 15 59 | 21 12 | 6 53 | 5 25 | S 18 |
| S 19 | 20 57 | 19 51 | 0 53 | 21 56 | 0 59 | 20 15 | 0 16 | 4 35 | 1 11 | 2 30 | 1 29 | 21 15 | 1 13 | 5 40 | 0 37 | 6 56 | 1 46 | 1 59 | 14 31 | 16 17 | 16 0 | 21 10 | 6 53 | 5 25 | S 19 |
| M20 | 21 8 | 14 37 | 0s23 | 22 19 | 1 5 | 20 33 | 0 14 | 4 50 | 1 11 | 2 29 | 1 29 | 21 16 | 1 13 | 5 41 | 0 37 | 6 57 | 1 46 | 1 59 | 14 31 | 16 17 | 16 1 | 21 8 | 6 53 | 5 24 | M20 |
| T 21 | 21 19 | 8 41 | 1 36 | 22 41 | 1 10 | 20 50 | 0 11 | 5 4 | 1 11 | 2 29 | 1 28 | 21 17 | 1 13 | 5 42 | 0 37 | 6 57 | 1 46 | 1 59 | 14 30 | 16 17 | 16 2 | 21 5 | 6 53 | 5 24 | T 21 |
| W22 | 21 30 | 2 27 | 2 42 | 23 2 | 1 16 | 21 6 | 0 9 | 5 19 | 1 11 | 2 29 | 1 28 | 21 18 | 1 13 | 5 43 | 0 37 | 6 58 | 1 46 | 1 59 | 14 30 | 16 17 | 16 2 | 21 3 | 6 53 | 5 24 | W22 |
| T 23 | 21 40 | 3s48 | 3 38 | 23 22 | 1 21 | 21 21 | 0 6 | 5 34 | 1 11 | 2 29 | 1 28 | 21 19 | 1 13 | 5 44 | 0 37 | 6 58 | 1 46 | 1 58 | 14 30 | 16 17 | 16 3 | 21 1 | 6 53 | 5 23 | T 23 |
| F 24 | 21 50 | 9 47 | 4 21 | 23 41 | 1 26 | 21 37 | 0 4 | 5 48 | 1 11 | 2 28 | 1 28 | 21 20 | 1 13 | 5 45 | 0 37 | 6 59 | 1 46 | 1 58 | 14 30 | 16 19 | 16 4 | 20 58 | 6 53 | 5 23 | F 24 |
| S 25 | 21 59 | 15 14 | 4 49 | 23 58 | 1 31 | 21 51 | 0 2 | 6 3 | 1 11 | 2 28 | 1 27 | 21 21 | 1 13 | 5 46 | 0 37 | 7 0 | 1 46 | 1 58 | 14 30 | 16 21 | 16 5 | 20 56 | 6 53 | 5 23 | S 25 |
| S 26 | 22 8 | 19 55 | 5 2 | 24 15 | 1 36 | 22 5 | 0s 1 | 6 17 | 1 10 | 2 29 | 1 27 | 21 22 | 1 13 | 5 47 | 0 37 | 7 0 | 1 46 | 1 58 | 14 30 | 16 24 | 16 6 | 20 54 | 6 53 | 5 22 | S 26 |
| M27 | 22 17 | 23 36 | 4 59 | 24 29 | 1 40 | 22 18 | 0 3 | 6 32 | 1 10 | 2 29 | 1 27 | 21 23 | 1 13 | 5 48 | 0 37 | 7 1 | 1 47 | 1 58 | 14 29 | 16 28 | 16 7 | 20 51 | 6 53 | 5 22 | M27 |
| T 28 | 22 25 | 26 5 | 4 42 | 24 43 | 1 44 | 22 30 | 0 6 | 6 46 | 1 10 | 2 29 | 1 26 | 21 24 | 1 13 | 5 49 | 0 37 | 7 1 | 1 47 | 1 58 | 14 29 | 16 31 | 16 8 | 20 49 | 6 52 | 5 22 | T 28 |
| W29 | 22 33 | 27 14 | 4 11 | 24 55 | 1 48 | 22 42 | 0 8 | 7 0 | 1 10 | 2 29 | 1 26 | 21 25 | 1 13 | 5 50 | 0 37 | 7 2 | 1 47 | 1 58 | 14 29 | 16 35 | 16 9 | 20 47 | 6 52 | 5 21 | W29 |
| T 30 | 22s40 | 27s 2 | 3s29 | 25s 6 | 1s52 | 22s53 | 0s10 | 7s14 | 1n10 | 2n30 | 1s26 | 21s25 | 1n13 | 5s51 | 0n37 | 7s 2 | 1n47 | 1n58 | 14s29 | 16s38 | 16s10 | 20s44 | 6s52 | 5n21 | T 30 |

Julian Day Number = 2135190.5, Delta T = 16m01s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'52, Lahiri = 11°46'52 Julian Calendar 1 Nov. 1133 == Greg. Calendar 8 Nov. 1133


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# ASTRODIENST EPHEMERIS for the year 1133
# geocentric

## DECEMBER 1133 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 4 21 | 15♐40'34 | 12♑56 | 22♐33 | 16♐22 | 21♎51 | 9♈34 | 14♐25 | 16♎17 | 22♎14 | 12°R54 | 14°R 9 | 15♒46 | 2♒59 | 29♒ 1 | F 1 |
| S 2 | 5 8 18 | 16°41'44 | 24°50 | 24° 8 | 17°38 | 22°28 | 9°35 | 14°32 | 16°19 | 22°16 | 12♉53 | 14♒ 4 | 15°43 | 3° 5 | 29° 3 | S 2 |
| S 3 | 5 12 15 | 17°42'55 | 6♒38 | 25°44 | 18°54 | 23° 5 | 9°35 | 14°40 | 16°21 | 22°17 | 12°52 | 14° 2 | 15°40 | 3°12 | 29° 4 | S 3 |
| M 4 | 5 16 11 | 18°44'06 | 18°24 | 27°20 | 20° 9 | 23°43 | 9°37 | 14°47 | 16°24 | 22°18 | 12°51 | 14°D 2 | 15°37 | 3°19 | 29° 6 | M 4 |
| T 5 | 5 20 8 | 19°45'17 | 0♓12 | 28°56 | 21°25 | 24°20 | 9°38 | 14°54 | 16°26 | 22°20 | 12°50 | 14° 3 | 15°34 | 3°25 | 29° 8 | T 5 |
| W 6 | 5 24 4 | 20°46'27 | 12° 7 | 0♑32 | 22°40 | 24°57 | 9°39 | 15° 1 | 16°28 | 22°21 | 12°49 | 14° 4 | 15°31 | 3°32 | 29°10 | W 6 |
| T 7 | 5 28 1 | 21°47'38 | 24°16 | 2° 8 | 23°56 | 25°35 | 9°41 | 15° 8 | 16°30 | 22°23 | 12°48 | 14°R 4 | 15°27 | 3°39 | 29°12 | T 7 |
| F 8 | 5 31 57 | 22°48'49 | 6♈42 | 3°45 | 25°11 | 26°12 | 9°43 | 15°15 | 16°32 | 22°24 | 12°48 | 14° 3 | 15°24 | 3°45 | 29°14 | F 8 |
| S 9 | 5 35 54 | 23°50'00 | 19°32 | 5°21 | 26°27 | 26°49 | 9°45 | 15°22 | 16°34 | 22°25 | 12°47 | 14° 0 | 15°21 | 3°52 | 29°16 | S 9 |
| S 10 | 5 39 50 | 24°51'11 | 2♉48 | 6°57 | 27°42 | 27°27 | 9°47 | 15°29 | 16°36 | 22°27 | 12°46 | 13°55 | 15°18 | 3°59 | 29°18 | S 10 |
| M11 | 5 43 47 | 25°52'21 | 16°33 | 8°33 | 28°58 | 28° 4 | 9°50 | 15°36 | 16°38 | 22°28 | 12°45 | 13°48 | 15°15 | 4° 5 | 29°20 | M11 |
| T 12 | 5 47 44 | 26°53'32 | 0♊45 | 10° 8 | 0♑13 | 28°41 | 9°53 | 15°43 | 16°40 | 22°29 | 12°44 | 13°40 | 15°12 | 4°12 | 29°23 | T 12 |
| W13 | 5 51 40 | 27°54'42 | 15°21 | 11°44 | 1°28 | 29°18 | 9°56 | 15°50 | 16°42 | 22°30 | 12°44 | 13°32 | 15° 8 | 4°19 | 29°25 | W13 |
| T 14 | 5 55 37 | 28°55'53 | 0♋14 | 13°19 | 2°44 | 29°55 | 9°59 | 15°57 | 16°43 | 22°31 | 12°43 | 13°25 | 15° 5 | 4°25 | 29°27 | T 14 |
| F 15 | 5 59 33 | 29°57'03 | 15°15 | 14°53 | 3°59 | 0♏33 | 10° 2 | 16° 4 | 16°45 | 22°32 | 12°42 | 13°21 | 15° 2 | 4°32 | 29°29 | F 15 |
| S 16 | 6 3 30 | 0♑58'14 | 0♌16 | 16°26 | 5°15 | 1°10 | 10° 6 | 16°11 | 16°47 | 22°34 | 12°41 | 13°18 | 14°59 | 4°38 | 29°32 | S 16 |
| S 17 | 6 7 26 | 1°59'24 | 15° 8 | 17°58 | 6°30 | 1°47 | 10° 9 | 16°18 | 16°48 | 22°35 | 12°41 | 13°D17 | 14°56 | 4°45 | 29°34 | S 17 |
| M18 | 6 11 23 | 3° 0'35 | 29°45 | 19°29 | 7°46 | 2°24 | 10°13 | 16°24 | 16°50 | 22°36 | 12°40 | 13°18 | 14°52 | 4°52 | 29°37 | M18 |
| T 19 | 6 15 19 | 4° 1'45 | 14♍ 2 | 20°59 | 9° 1 | 3° 1 | 10°17 | 16°31 | 16°51 | 22°37 | 12°39 | 13°19 | 14°49 | 4°58 | 29°39 | T 19 |
| W20 | 6 19 16 | 5° 2'56 | 27°58 | 22°26 | 10°17 | 3°38 | 10°22 | 16°38 | 16°53 | 22°38 | 12°39 | 13°21 | 14°46 | 5° 5 | 29°42 | W20 |
| T 21 | 6 23 13 | 6° 4'06 | 11♎33 | 23°51 | 11°32 | 4°15 | 10°26 | 16°45 | 16°54 | 22°39 | 12°38 | 13°R21 | 14°43 | 5°12 | 29°45 | T 21 |
| F 22 | 6 27 9 | 7° 5'17 | 24°50 | 25°14 | 12°47 | 4°52 | 10°31 | 16°52 | 16°56 | 22°40 | 12°38 | 13°19 | 14°40 | 5°18 | 29°47 | F 22 |
| S 23 | 6 31 6 | 8° 6'28 | 7♏49 | 26°33 | 14° 3 | 5°29 | 10°36 | 16°59 | 16°57 | 22°40 | 12°37 | 13°16 | 14°37 | 5°25 | 29°50 | S 23 |
| S 24 | 6 35 2 | 9° 7'38 | 20°33 | 27°48 | 15°18 | 6° 6 | 10°41 | 17° 5 | 16°58 | 22°41 | 12°36 | 13°11 | 14°33 | 5°32 | 29°53 | S 24 |
| M25 | 6 38 59 | 10° 8'48 | 3♐ 4 | 28°58 | 16°34 | 6°43 | 10°46 | 17°12 | 16°59 | 22°42 | 12°36 | 13° 5 | 14°30 | 5°38 | 29°56 | M25 |
| T 26 | 6 42 55 | 11° 9'59 | 15°23 | 0♒ 3 | 17°49 | 7°20 | 10°51 | 17°19 | 17° 1 | 22°43 | 12°35 | 12°59 | 14°27 | 5°45 | 29°58 | T 26 |
| W27 | 6 46 52 | 12°11'08 | 27°33 | 1° 2 | 19° 4 | 7°57 | 10°57 | 17°25 | 17° 2 | 22°44 | 12°35 | 12°54 | 14°24 | 5°52 | 0♓ 1 | W27 |
| T 28 | 6 50 48 | 13°12'18 | 9♑34 | 1°54 | 20°20 | 8°34 | 11° 3 | 17°32 | 17° 3 | 22°44 | 12°34 | 12°49 | 14°21 | 5°58 | 0° 4 | T 28 |
| F 29 | 6 54 45 | 14°13'26 | 21°29 | 2°38 | 21°35 | 9°11 | 11° 8 | 17°39 | 17° 4 | 22°45 | 12°34 | 12°45 | 14°18 | 6° 5 | 0° 7 | F 29 |
| S 30 | 6 58 42 | 15°14'34 | 3♒18 | 3°13 | 22°50 | 9°48 | 11°15 | 17°45 | 17° 5 | 22°46 | 12°33 | 12°43 | 14°14 | 6°12 | 0°10 | S 30 |
| S 31 | 7 2 38 | 16♑15'41 | 15♒ 5 | 3♒39 | 24♑ 6 | 10♏24 | 11♈21 | 17♐52 | 17♎ 5 | 22♎46 | 12♉33 | 12°D43 | 14♒11 | 6♒18 | 0♓13 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s47 | 25s33 | 2s39 | 25s16 | 1s55 | 23s 4 | 0s13 | 7s29 | 1n 9 | 2n30 | 1s25 | 21s26 | 1n12 | 5s51 | 0n37 | 7s 3 | 1n47 | 1n57 | 14s29 | 16s40 | 16s11 | 20s42 | 6s52 | 5n21 |
| S 2 | 22 53 | 22 55 | 1 41 | 25 24 | 1 58 | 23 13 | 0 15 | 7 43 | 1 9 | 2 31 | 1 25 | 21 27 | 1 12 | 5 52 | 0 37 | 7 3 | 1 47 | 1 57 | 14 29 | 16 41 | 16 12 | 20 39 | 6 51 | 5 20 |
| S 3 | 22 59 | 19 21 | 0 40 | 25 30 | 2 1 | 23 22 | 0 17 | 7 57 | 1 9 | 2 31 | 1 25 | 21 28 | 1 12 | 5 53 | 0 37 | 7 4 | 1 47 | 1 57 | 14 28 | 16 42 | 16 13 | 20 37 | 6 51 | 5 20 |
| M 4 | 23 4 | 15 1 | 0n23 | 25 35 | 2 4 | 23 31 | 0 20 | 8 11 | 1 9 | 2 32 | 1 24 | 21 29 | 1 12 | 5 54 | 0 37 | 7 4 | 1 47 | 1 57 | 14 28 | 16 42 | 16 14 | 20 35 | 6 51 | 5 20 |
| T 5 | 23 9 | 10 7 | 1 26 | 25 39 | 2 6 | 23 38 | 0 22 | 8 25 | 1 9 | 2 33 | 1 24 | 21 30 | 1 12 | 5 55 | 0 37 | 7 5 | 1 47 | 1 57 | 14 28 | 16 41 | 16 15 | 20 32 | 6 51 | 5 19 |
| W 6 | 23 14 | 4 48 | 2 25 | 25 41 | 2 7 | 23 45 | 0 24 | 8 39 | 1 8 | 2 34 | 1 24 | 21 31 | 1 12 | 5 56 | 0 37 | 7 5 | 1 47 | 1 57 | 14 28 | 16 41 | 16 16 | 20 30 | 6 50 | 5 19 |
| T 7 | 23 18 | 0n46 | 3 19 | 25 41 | 2 9 | 23 51 | 0 27 | 8 53 | 1 8 | 2 35 | 1 23 | 21 31 | 1 12 | 5 56 | 0 37 | 7 6 | 1 47 | 1 57 | 14 27 | 16 41 | 16 17 | 20 27 | 6 50 | 5 19 |
| F 8 | 23 21 | 6 26 | 4 5 | 25 40 | 2 10 | 23 57 | 0 29 | 9 6 | 1 8 | 2 36 | 1 23 | 21 32 | 1 12 | 5 57 | 0 38 | 7 6 | 1 47 | 1 57 | 14 27 | 16 41 | 16 18 | 20 25 | 6 49 | 5 18 |
| S 9 | 23 25 | 12 0 | 4 41 | 25 37 | 2 10 | 24 1 | 0 31 | 9 20 | 1 8 | 2 37 | 1 23 | 21 33 | 1 12 | 5 58 | 0 38 | 7 7 | 1 47 | 1 57 | 14 27 | 16 42 | 16 19 | 20 23 | 6 49 | 5 18 |
| S 10 | 23 27 | 17 14 | 5 2 | 25 32 | 2 10 | 24 5 | 0 33 | 9 34 | 1 7 | 2 38 | 1 22 | 21 34 | 1 12 | 5 59 | 0 38 | 7 7 | 1 47 | 1 57 | 14 27 | 16 44 | 16 20 | 20 20 | 6 49 | 5 18 |
| M11 | 23 29 | 21 46 | 5 8 | 25 26 | 2 10 | 24 9 | 0 36 | 9 47 | 1 7 | 2 39 | 1 22 | 21 35 | 1 12 | 5 59 | 0 38 | 7 7 | 1 47 | 1 57 | 14 27 | 16 46 | 16 20 | 20 18 | 6 48 | 5 17 |
| T 12 | 23 31 | 25 12 | 4 55 | 25 18 | 2 9 | 24 11 | 0 38 | 10 1 | 1 7 | 2 41 | 1 22 | 21 35 | 1 12 | 6 0 | 0 38 | 7 8 | 1 47 | 1 57 | 14 26 | 16 48 | 16 21 | 20 15 | 6 48 | 5 17 |
| W13 | 23 32 | 27 5 | 4 22 | 25 9 | 2 7 | 24 13 | 0 40 | 10 14 | 1 7 | 2 42 | 1 21 | 21 36 | 1 12 | 6 1 | 0 38 | 7 8 | 1 47 | 1 57 | 14 26 | 16 50 | 16 22 | 20 13 | 6 47 | 5 17 |
| T 14 | 23 33 | 27 5 | 3 32 | 24 58 | 2 5 | 24 14 | 0 42 | 10 28 | 1 6 | 2 44 | 1 21 | 21 37 | 1 12 | 6 1 | 0 38 | 7 9 | 1 47 | 1 57 | 14 26 | 16 52 | 16 23 | 20 10 | 6 47 | 5 16 |
| F 15 | 23 33 | 25 6 | 2 26 | 24 45 | 2 2 | 24 14 | 0 44 | 10 41 | 1 6 | 2 45 | 1 21 | 21 38 | 1 12 | 6 2 | 0 38 | 7 9 | 1 47 | 1 57 | 14 26 | 16 54 | 16 24 | 20 8 | 6 46 | 5 16 |
| S 16 | 23 33 | 21 20 | 1 10 | 24 30 | 1 59 | 24 13 | 0 46 | 10 54 | 1 6 | 2 47 | 1 20 | 21 39 | 1 12 | 6 3 | 0 38 | 7 9 | 1 48 | 1 57 | 14 25 | 16 54 | 16 25 | 20 6 | 6 46 | 5 16 |
| S 17 | 23 32 | 16 13 | 0s10 | 24 14 | 1 55 | 24 12 | 0 48 | 11 7 | 1 6 | 2 49 | 1 20 | 21 39 | 1 12 | 6 3 | 0 38 | 7 10 | 1 48 | 1 57 | 14 25 | 16 55 | 16 26 | 20 3 | 6 45 | 5 15 |
| M18 | 23 31 | 10 14 | 1 28 | 23 57 | 1 50 | 24 10 | 0 50 | 11 20 | 1 5 | 2 51 | 1 20 | 21 40 | 1 12 | 6 4 | 0 38 | 7 10 | 1 48 | 1 57 | 14 25 | 16 54 | 16 27 | 20 1 | 6 44 | 5 15 |
| T 19 | 23 29 | 3 52 | 2 39 | 23 38 | 1 45 | 24 7 | 0 52 | 11 33 | 1 5 | 2 52 | 1 20 | 21 41 | 1 12 | 6 4 | 0 38 | 7 10 | 1 48 | 1 57 | 14 25 | 16 54 | 16 28 | 19 58 | 6 44 | 5 15 |
| W20 | 23 27 | 2s32 | 3 39 | 23 17 | 1 38 | 24 3 | 0 54 | 11 46 | 1 5 | 2 54 | 1 19 | 21 41 | 1 12 | 6 5 | 0 38 | 7 11 | 1 48 | 1 57 | 14 24 | 16 54 | 16 29 | 19 56 | 6 43 | 5 15 |
| T 21 | 23 25 | 8 39 | 4 25 | 22 56 | 1 31 | 23 59 | 0 56 | 11 59 | 1 4 | 2 56 | 1 19 | 21 42 | 1 12 | 6 5 | 0 38 | 7 11 | 1 48 | 1 58 | 14 24 | 16 54 | 16 30 | 19 53 | 6 43 | 5 14 |
| F 22 | 23 22 | 14 14 | 4 56 | 22 33 | 1 23 | 23 54 | 0 58 | 12 12 | 1 4 | 2 59 | 1 19 | 21 43 | 1 12 | 6 6 | 0 38 | 7 11 | 1 48 | 1 58 | 14 24 | 16 54 | 16 31 | 19 51 | 6 42 | 5 14 |
| S 23 | 23 18 | 19 4 | 5 10 | 22 9 | 1 13 | 23 48 | 1 0 | 12 25 | 1 4 | 3 1 | 1 18 | 21 44 | 1 12 | 6 6 | 0 38 | 7 11 | 1 48 | 1 58 | 14 23 | 16 55 | 16 32 | 19 48 | 6 41 | 5 14 |
| S 24 | 23 14 | 22 56 | 5 9 | 21 44 | 1 3 | 23 41 | 1 1 | 12 37 | 1 4 | 3 3 | 1 18 | 21 44 | 1 12 | 6 7 | 0 38 | 7 12 | 1 48 | 1 58 | 14 23 | 16 56 | 16 33 | 19 46 | 6 41 | 5 13 |
| M25 | 23 10 | 25 40 | 4 53 | 21 19 | 0 52 | 23 34 | 1 3 | 12 50 | 1 3 | 3 5 | 1 18 | 21 45 | 1 12 | 6 7 | 0 38 | 7 12 | 1 48 | 1 58 | 14 23 | 16 58 | 16 34 | 19 43 | 6 40 | 5 13 |
| T 26 | 23 5 | 27 7 | 4 24 | 20 53 | 0 40 | 23 26 | 1 5 | 13 2 | 1 3 | 3 8 | 1 17 | 21 45 | 1 12 | 6 8 | 0 38 | 7 12 | 1 48 | 1 58 | 14 23 | 17 0 | 16 34 | 19 41 | 6 39 | 5 13 |
| W27 | 23 0 | 27 14 | 3 43 | 20 28 | 0 27 | 23 17 | 1 6 | 13 14 | 1 2 | 3 10 | 1 17 | 21 46 | 1 11 | 6 8 | 0 38 | 7 12 | 1 48 | 1 58 | 14 22 | 17 1 | 16 35 | 19 38 | 6 38 | 5 13 |
| T 28 | 22 54 | 26 4 | 2 52 | 20 2 | 0 13 | 23 8 | 1 8 | 13 27 | 1 2 | 3 13 | 1 17 | 21 47 | 1 11 | 6 8 | 0 38 | 7 13 | 1 48 | 1 58 | 14 22 | 17 3 | 16 36 | 19 36 | 6 38 | 5 12 |
| F 29 | 22 47 | 23 42 | 1 54 | 19 37 | 0n 3 | 22 57 | 1 10 | 13 39 | 1 2 | 3 15 | 1 17 | 21 47 | 1 11 | 6 9 | 0 38 | 7 13 | 1 48 | 1 59 | 14 22 | 17 4 | 16 37 | 19 33 | 6 37 | 5 12 |
| S 30 | 22 41 | 20 21 | 0 52 | 19 14 | 0 19 | 22 47 | 1 11 | 13 51 | 1 1 | 3 18 | 1 16 | 21 48 | 1 11 | 6 9 | 0 38 | 7 13 | 1 48 | 1 59 | 14 21 | 17 4 | 16 38 | 19 31 | 6 36 | 5 12 |
| S 31 | 22s33 | 16s11 | 0n13 | 18s51 | 0n36 | 22s35 | 1s12 | 14s 3 | 1n 1 | 3n21 | 1s16 | 21s49 | 1n11 | 6s 9 | 0n38 | 7s13 | 1n48 | 1n59 | 14s21 | 17s 4 | 16s39 | 19s28 | 6s35 | 5n12 |

Julian Day Number = 2135220.5, Delta T = 16m01s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°39'56, Lahiri = 11°46'56 Julian Calendar 1 Dec. 1133 == Greg. Calendar 8 Dec. 1133


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## JANUARY 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 6 35 | 17♉16'48 | 26♒52 | 3♒54 | 25♉21 | 11♏ 1 | 11♈27 | 17♐58 | 17♎ 6 | 22♎47 | 12°R33 | 12♒44 | 14♒ 8 | 6♒25 | 0♓16 | M 1 |
| T 2 | 7 10 31 | 18°17'53 | 8♓41 | 3°R58 | 26°36 | 11°38 | 11°34 | 18° 5 | 17° 7 | 22°47 | 12♋32 | 12°45 | 14° 5 | 6°31 | 0°19 | T 2 |
| W 3 | 7 14 28 | 19°18'58 | 20°38 | 3°51 | 27°52 | 12°15 | 11°41 | 18°11 | 17° 8 | 22°48 | 12°32 | 12°47 | 14° 2 | 6°38 | 0°23 | W 3 |
| T 4 | 7 18 24 | 20°20'01 | 2♈46 | 3°33 | 29° 7 | 12°51 | 11°47 | 18°17 | 17° 8 | 22°48 | 12°31 | 12°49 | 13°58 | 6°45 | 0°26 | T 4 |
| F 5 | 7 22 21 | 21°21'04 | 15° 9 | 3° 2 | 0♒22 | 13°28 | 11°55 | 18°24 | 17° 9 | 22°49 | 12°31 | 12°50 | 13°55 | 6°51 | 0°29 | F 5 |
| S 6 | 7 26 17 | 22°22'05 | 27°53 | 2°22 | 1°38 | 14° 4 | 12° 2 | 18°30 | 17° 9 | 22°49 | 12°31 | 12°R50 | 13°52 | 6°58 | 0°32 | S 6 |
| S 7 | 7 30 14 | 23°23'05 | 11♋ 1 | 1°31 | 2°53 | 14°41 | 12° 9 | 18°36 | 17°10 | 22°50 | 12°31 | 12°49 | 13°49 | 7° 5 | 0°35 | S 7 |
| M 8 | 7 34 11 | 24°24'04 | 24°37 | 0°31 | 4° 8 | 15°17 | 12°17 | 18°43 | 17°10 | 22°50 | 12°30 | 12°47 | 13°46 | 7°11 | 0°39 | M 8 |
| T 9 | 7 38 7 | 25°25'02 | 8♊41 | 29♉25 | 5°23 | 15°54 | 12°24 | 18°49 | 17°11 | 22°50 | 12°30 | 12°45 | 13°43 | 7°18 | 0°42 | T 9 |
| W10 | 7 42 4 | 26°25'58 | 23°12 | 28°13 | 6°38 | 16°30 | 12°32 | 18°55 | 17°11 | 22°50 | 12°30 | 12°43 | 13°39 | 7°25 | 0°45 | W10 |
| T 11 | 7 46 0 | 27°26'54 | 8♋ 5 | 26°59 | 7°54 | 17° 7 | 12°40 | 19° 1 | 17°11 | 22°51 | 12°30 | 12°41 | 13°36 | 7°31 | 0°49 | T 11 |
| F 12 | 7 49 57 | 28°27'48 | 23°13 | 25°45 | 9° 9 | 17°43 | 12°49 | 19° 7 | 17°11 | 22°51 | 12°29 | 12°39 | 13°33 | 7°38 | 0°52 | F 12 |
| S 13 | 7 53 53 | 29°28'41 | 8♌28 | 24°31 | 10°24 | 18°20 | 12°57 | 19°13 | 17°11 | 22°51 | 12°29 | 12°D39 | 13°30 | 7°45 | 0°56 | S 13 |
| S 14 | 7 57 50 | 0♒29'33 | 23°38 | 23°22 | 11°39 | 18°56 | 13° 5 | 19°19 | 17°11 | 22°51 | 12°29 | 12°39 | 13°27 | 7°51 | 0°59 | S 14 |
| M15 | 8 1 47 | 1°30'24 | 8♍35 | 22°17 | 12°54 | 19°32 | 13°14 | 19°25 | 17°R12 | 22°51 | 12°29 | 12°39 | 13°24 | 7°58 | 1° 3 | M15 |
| T 16 | 8 5 43 | 2°31'13 | 23°12 | 21°19 | 14° 9 | 20° 8 | 13°23 | 19°30 | 17°11 | 22°51 | 12°29 | 12°40 | 13°20 | 8° 5 | 1° 6 | T 16 |
| W17 | 8 9 40 | 3°32'02 | 7♎25 | 20°28 | 15°24 | 20°45 | 13°31 | 19°36 | 17°11 | 22°R51 | 12°29 | 12°41 | 13°17 | 8°11 | 1°10 | W17 |
| T 18 | 8 13 36 | 4°32'50 | 21°11 | 19°45 | 16°40 | 21°21 | 13°40 | 19°42 | 17°11 | 22°51 | 12°29 | 12°42 | 13°14 | 8°18 | 1°13 | T 18 |
| F 19 | 8 17 33 | 5°33'37 | 4♏32 | 19°10 | 17°55 | 21°57 | 13°49 | 19°48 | 17°11 | 22°51 | 12°29 | 12°R42 | 13°11 | 8°24 | 1°17 | F 19 |
| S 20 | 8 21 29 | 6°34'23 | 17°29 | 18°44 | 19°10 | 22°33 | 13°59 | 19°53 | 17°11 | 22°51 | 12°D29 | 12°42 | 13° 8 | 8°31 | 1°20 | S 20 |
| S 21 | 8 25 26 | 7°35'07 | 0♐ 7 | 18°26 | 20°25 | 23° 9 | 14° 8 | 19°59 | 17°10 | 22°51 | 12°29 | 12°41 | 13° 4 | 8°38 | 1°24 | S 21 |
| M22 | 8 29 22 | 8°35'51 | 12°28 | 18°15 | 21°40 | 23°45 | 14°18 | 20° 4 | 17°10 | 22°51 | 12°29 | 12°41 | 13° 1 | 8°44 | 1°28 | M22 |
| T 23 | 8 33 19 | 9°36'34 | 24°36 | 18°D13 | 22°55 | 24°21 | 14°27 | 20°10 | 17°10 | 22°51 | 12°29 | 12°41 | 12°58 | 8°51 | 1°31 | T 23 |
| W24 | 8 37 16 | 10°37'15 | 6♑35 | 18°17 | 24°10 | 24°57 | 14°37 | 20°15 | 17° 9 | 22°51 | 12°29 | 12°40 | 12°55 | 8°58 | 1°35 | W24 |
| T 25 | 8 41 12 | 11°37'55 | 18°27 | 18°28 | 25°25 | 25°33 | 14°47 | 20°20 | 17° 9 | 22°50 | 12°29 | 12°40 | 12°52 | 9° 4 | 1°39 | T 25 |
| F 26 | 8 45 9 | 12°38'34 | 0♒16 | 18°46 | 26°40 | 26° 9 | 14°57 | 20°25 | 17° 8 | 22°50 | 12°29 | 12°D40 | 12°49 | 9°11 | 1°43 | F 26 |
| S 27 | 8 49 5 | 13°39'11 | 12° 3 | 19° 9 | 27°54 | 26°44 | 15° 7 | 20°31 | 17° 7 | 22°50 | 12°29 | 12°R40 | 12°45 | 9°18 | 1°46 | S 27 |
| S 28 | 8 53 2 | 14°39'47 | 23°51 | 19°38 | 29° 9 | 27°20 | 15°17 | 20°36 | 17° 7 | 22°49 | 12°30 | 12°40 | 12°42 | 9°24 | 1°50 | S 28 |
| M29 | 8 56 58 | 15°40'20 | 5♓41 | 20°12 | 0♓24 | 27°56 | 15°28 | 20°41 | 17° 6 | 22°49 | 12°30 | 12°40 | 12°39 | 9°31 | 1°54 | M29 |
| T 30 | 9 0 55 | 16°40'53 | 17°37 | 20°50 | 1°39 | 28°31 | 15°38 | 20°46 | 17° 5 | 22°49 | 12°30 | 12°39 | 12°36 | 9°38 | 1°58 | T 30 |
| W31 | 9 4 51 | 17♒41'23 | 29♓40 | 21♉32 | 2♓54 | 29♏ 7 | 15♈49 | 20♐51 | 17♎ 4 | 22♎48 | 12♋30 | 12♒39 | 12♒33 | 9♒44 | 2♓ 1 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s26 | 11s25 | 1n17 | 18s30 | 0n53 | 22s23 | 1s14 | 14s15 | 1n 1 | 3n23 | 1s16 | 21s49 | 1n11 | 6s10 | 0n38 | 7s13 | 1n49 | 1n59 | 14s21 | 17s 4 | 16s40 | 19s26 | 6s34 | 5n11 |
| T 2 | 22 18 | 6 13 | 2 18 | 18 12 | 1 11 | 22 10 | 1 15 | 14 26 | 1 0 | 3 26 | 1 15 | 21 50 | 1 11 | 6 10 | 0 38 | 7 13 | 1 49 | 1 59 | 14 21 | 17 4 | 16 41 | 19 23 | 6 33 | 5 11 |
| W 3 | 22 9 | 0 45 | 3 14 | 17 56 | 1 30 | 21 56 | 1 16 | 14 38 | 1 0 | 3 29 | 1 15 | 21 50 | 1 11 | 6 10 | 0 38 | 7 14 | 1 49 | 1 59 | 14 20 | 17 3 | 16 42 | 19 21 | 6 33 | 5 11 |
| T 4 | 22 0 | 4n48 | 4 2 | 17 42 | 1 48 | 21 42 | 1 18 | 14 50 | 0 59 | 3 32 | 1 15 | 21 51 | 1 11 | 6 10 | 0 38 | 7 14 | 1 49 | 2 0 | 14 20 | 17 3 | 16 43 | 19 18 | 6 32 | 5 11 |
| F 5 | 21 51 | 10 18 | 4 40 | 17 31 | 2 6 | 21 27 | 1 19 | 15 1 | 0 59 | 3 35 | 1 15 | 21 51 | 1 11 | 6 11 | 0 38 | 7 14 | 1 49 | 2 0 | 14 20 | 17 2 | 16 44 | 19 16 | 6 31 | 5 10 |
| S 6 | 21 41 | 15 31 | 5 6 | 17 24 | 2 24 | 21 11 | 1 20 | 15 12 | 0 59 | 3 38 | 1 14 | 21 52 | 1 11 | 6 11 | 0 38 | 7 14 | 1 49 | 2 0 | 14 19 | 17 2 | 16 45 | 19 13 | 6 30 | 5 10 |
| S 7 | 21 31 | 20 12 | 5 16 | 17 19 | 2 40 | 20 55 | 1 21 | 15 24 | 0 58 | 3 41 | 1 14 | 21 53 | 1 11 | 6 11 | 0 38 | 7 14 | 1 49 | 2 0 | 14 19 | 17 3 | 16 46 | 19 11 | 6 29 | 5 10 |
| M 8 | 21 20 | 24 1 | 5 10 | 17 17 | 2 55 | 20 38 | 1 22 | 15 35 | 0 58 | 3 45 | 1 14 | 21 53 | 1 11 | 6 11 | 0 38 | 7 14 | 1 49 | 2 0 | 14 19 | 17 3 | 16 46 | 19 8 | 6 28 | 5 10 |
| T 9 | 21 9 | 26 32 | 4 45 | 17 18 | 3 8 | 20 21 | 1 23 | 15 46 | 0 57 | 3 48 | 1 13 | 21 54 | 1 11 | 6 11 | 0 38 | 7 14 | 1 49 | 2 1 | 14 18 | 17 4 | 16 47 | 19 5 | 6 27 | 5 9 |
| W10 | 20 58 | 27 23 | 4 1 | 17 22 | 3 19 | 20 3 | 1 24 | 15 57 | 0 57 | 3 51 | 1 13 | 21 54 | 1 11 | 6 11 | 0 38 | 7 14 | 1 49 | 2 1 | 14 18 | 17 5 | 16 48 | 19 3 | 6 26 | 5 9 |
| T 11 | 20 46 | 26 18 | 3 0 | 17 28 | 3 28 | 19 45 | 1 25 | 16 7 | 0 56 | 3 55 | 1 13 | 21 55 | 1 11 | 6 11 | 0 38 | 7 14 | 1 49 | 2 1 | 14 18 | 17 5 | 16 49 | 19 0 | 6 25 | 5 9 |
| F 12 | 20 34 | 23 17 | 1 46 | 17 35 | 3 34 | 19 25 | 1 25 | 16 18 | 0 56 | 3 58 | 1 13 | 21 55 | 1 11 | 6 11 | 0 39 | 7 14 | 1 49 | 2 1 | 14 17 | 17 5 | 16 50 | 18 58 | 6 24 | 5 9 |
| S 13 | 20 21 | 18 36 | 0 23 | 17 45 | 3 38 | 19 6 | 1 26 | 16 29 | 0 55 | 4 2 | 1 12 | 21 56 | 1 11 | 6 11 | 0 39 | 7 14 | 1 49 | 2 2 | 14 17 | 17 6 | 16 51 | 18 55 | 6 23 | 5 9 |
| S 14 | 20 8 | 12 45 | 1s 1 | 17 55 | 3 39 | 18 46 | 1 27 | 16 39 | 0 55 | 4 5 | 1 12 | 21 56 | 1 11 | 6 11 | 0 39 | 7 14 | 1 49 | 2 2 | 14 17 | 17 6 | 16 52 | 18 53 | 6 22 | 5 8 |
| M15 | 19 55 | 6 14 | 2 19 | 18 6 | 3 38 | 18 25 | 1 27 | 16 50 | 0 54 | 4 9 | 1 12 | 21 56 | 1 11 | 6 11 | 0 39 | 7 14 | 1 49 | 2 2 | 14 16 | 17 5 | 16 53 | 18 50 | 6 21 | 5 8 |
| T 16 | 19 41 | 0s27 | 3 27 | 18 19 | 3 35 | 18 3 | 1 28 | 17 0 | 0 54 | 4 12 | 1 12 | 21 57 | 1 11 | 6 11 | 0 39 | 7 14 | 1 49 | 2 2 | 14 16 | 17 5 | 16 54 | 18 47 | 6 20 | 5 8 |
| W17 | 19 27 | 6 55 | 4 20 | 18 31 | 3 30 | 17 42 | 1 28 | 17 10 | 0 53 | 4 16 | 1 11 | 21 57 | 1 11 | 6 11 | 0 39 | 7 14 | 1 50 | 2 3 | 14 16 | 17 5 | 16 55 | 18 45 | 6 19 | 5 8 |
| T 18 | 19 13 | 12 52 | 4 56 | 18 44 | 3 24 | 17 19 | 1 29 | 17 20 | 0 53 | 4 20 | 1 11 | 21 58 | 1 11 | 6 11 | 0 39 | 7 14 | 1 50 | 2 3 | 14 15 | 17 5 | 16 56 | 18 42 | 6 18 | 5 8 |
| F 19 | 18 58 | 18 1 | 5 15 | 18 56 | 3 16 | 16 57 | 1 29 | 17 30 | 0 52 | 4 23 | 1 11 | 21 58 | 1 12 | 6 11 | 0 39 | 7 14 | 1 50 | 2 3 | 14 15 | 17 5 | 16 56 | 18 40 | 6 17 | 5 8 |
| S 20 | 18 43 | 22 11 | 5 17 | 19 9 | 3 7 | 16 33 | 1 29 | 17 40 | 0 52 | 4 27 | 1 11 | 21 59 | 1 12 | 6 11 | 0 39 | 7 14 | 1 50 | 2 4 | 14 15 | 17 5 | 16 57 | 18 37 | 6 15 | 5 7 |
| S 21 | 18 28 | 25 12 | 5 3 | 19 21 | 2 57 | 16 10 | 1 29 | 17 49 | 0 51 | 4 31 | 1 10 | 21 59 | 1 12 | 6 11 | 0 39 | 7 14 | 1 50 | 2 4 | 14 15 | 17 5 | 16 58 | 18 35 | 6 14 | 5 7 |
| M22 | 18 12 | 26 57 | 4 36 | 19 33 | 2 46 | 15 46 | 1 29 | 17 59 | 0 51 | 4 35 | 1 10 | 21 59 | 1 12 | 6 11 | 0 39 | 7 14 | 1 50 | 2 4 | 14 14 | 17 5 | 16 59 | 18 32 | 6 13 | 5 7 |
| T 23 | 17 56 | 27 23 | 3 57 | 19 45 | 2 35 | 15 21 | 1 29 | 18 8 | 0 50 | 4 39 | 1 10 | 22 0 | 1 12 | 6 10 | 0 39 | 7 14 | 1 50 | 2 5 | 14 14 | 17 5 | 17 0 | 18 29 | 6 12 | 5 7 |
| W24 | 17 39 | 26 31 | 3 8 | 19 55 | 2 24 | 14 56 | 1 29 | 18 18 | 0 49 | 4 43 | 1 10 | 22 0 | 1 12 | 6 10 | 0 39 | 7 13 | 1 50 | 2 5 | 14 14 | 17 5 | 17 1 | 18 27 | 6 11 | 5 7 |
| T 25 | 17 23 | 24 26 | 2 11 | 20 6 | 2 12 | 14 31 | 1 29 | 18 27 | 0 49 | 4 47 | 1 9 | 22 1 | 1 12 | 6 10 | 0 39 | 7 13 | 1 50 | 2 5 | 14 13 | 17 5 | 17 2 | 18 24 | 6 10 | 5 7 |
| F 26 | 17 6 | 21 18 | 1 8 | 20 15 | 2 0 | 14 5 | 1 29 | 18 36 | 0 48 | 4 51 | 1 9 | 22 1 | 1 12 | 6 10 | 0 39 | 7 13 | 1 50 | 2 6 | 14 13 | 17 5 | 17 3 | 18 21 | 6 9 | 5 7 |
| S 27 | 16 48 | 17 19 | 0 3 | 20 24 | 1 48 | 13 39 | 1 29 | 18 45 | 0 47 | 4 55 | 1 9 | 22 1 | 1 12 | 6 9 | 0 39 | 7 13 | 1 50 | 2 6 | 14 13 | 17 5 | 17 4 | 18 19 | 6 7 | 5 6 |
| S 28 | 16 31 | 12 40 | 1n 2 | 20 31 | 1 36 | 13 12 | 1 29 | 18 54 | 0 47 | 5 0 | 1 9 | 22 2 | 1 12 | 6 9 | 0 39 | 7 13 | 1 50 | 2 6 | 14 12 | 17 5 | 17 5 | 18 16 | 6 6 | 5 6 |
| M29 | 16 13 | 7 32 | 2 5 | 20 38 | 1 24 | 12 45 | 1 28 | 19 3 | 0 46 | 5 4 | 1 9 | 22 2 | 1 12 | 6 9 | 0 39 | 7 13 | 1 50 | 2 7 | 14 12 | 17 5 | 17 6 | 18 14 | 6 5 | 5 6 |
| T 30 | 15 55 | 2 7 | 3 2 | 20 44 | 1 13 | 12 18 | 1 28 | 19 11 | 0 46 | 5 8 | 1 8 | 22 2 | 1 12 | 6 9 | 0 39 | 7 12 | 1 50 | 2 7 | 14 12 | 17 5 | 17 6 | 18 11 | 6 4 | 5 6 |
| W31 | 15s36 | 3n26 | 3n53 | 20s49 | 1n 1 | 11s51 | 1s27 | 19s20 | 0n45 | 5n12 | 1s 8 | 22s 3 | 1n12 | 6s 8 | 0n39 | 7s12 | 1n50 | 2n 7 | 14s11 | 17s 6 | 17s 7 | 18s 8 | 6s 2 | 5n 6 |

Julian Day Number = 2135251.5, Delta T = 16m01s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'00, Lahiri = 11°47'01 Julian Calendar 1 Jan. 1134 == Greg. Calendar 8 Jan. 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## FEBRUARY 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 8 48 | 18♒41'52 | 11♈54 | 22♉19 | 4♓ 9 | 29♏42 | 15♈59 | 20♐55 | 17°R 3 | 22°R48 | 12♉30 | 12°R38 | 12♒30 | 9♒51 | 2♓ 5 | T 1 |
| F 2 | 9 12 45 | 19°42'19 | 24°21 | 23° 8 | 5°24 | 0♐17 | 16°10 | 21° 0 | 17♎ 2 | 22♎47 | 12°31 | 12♒37 | 12°26 | 9°58 | 2° 9 | F 2 |
| S 3 | 9 16 41 | 20°42'43 | 7♉ 5 | 24° 2 | 6°38 | 0°53 | 16°21 | 21° 5 | 17° 1 | 22°47 | 12°31 | 12°37 | 12°23 | 10° 4 | 2°13 | S 3 |
| S 4 | 9 20 38 | 21°43'06 | 20° 8 | 24°58 | 7°53 | 1°28 | 16°32 | 21° 9 | 17° 0 | 22°46 | 12°31 | 12°D36 | 12°20 | 10°11 | 2°17 | S 4 |
| M 5 | 9 24 34 | 22°43'27 | 3♊34 | 25°57 | 9° 8 | 2° 3 | 16°43 | 21°14 | 16°59 | 22°46 | 12°32 | 12°36 | 12°17 | 10°17 | 2°21 | M 5 |
| T 6 | 9 28 31 | 23°43'46 | 17°24 | 26°59 | 10°22 | 2°38 | 16°54 | 21°18 | 16°58 | 22°45 | 12°32 | 12°37 | 12°14 | 10°24 | 2°25 | T 6 |
| W 7 | 9 32 27 | 24°44'03 | 1♋39 | 28° 3 | 11°37 | 3°14 | 17° 6 | 21°23 | 16°57 | 22°44 | 12°32 | 12°38 | 12°10 | 10°31 | 2°28 | W 7 |
| T 8 | 9 36 24 | 25°44'18 | 16°17 | 29°10 | 12°52 | 3°49 | 17°17 | 21°27 | 16°56 | 22°44 | 12°33 | 12°39 | 12° 7 | 10°37 | 2°32 | T 8 |
| F 9 | 9 40 20 | 26°44'31 | 1♌13 | 0♒18 | 14° 6 | 4°24 | 17°28 | 21°31 | 16°54 | 22°43 | 12°33 | 12°40 | 12° 4 | 10°44 | 2°36 | F 9 |
| S 10 | 9 44 17 | 27°44'42 | 16°22 | 1°29 | 15°21 | 4°58 | 17°40 | 21°36 | 16°53 | 22°42 | 12°34 | 12°R40 | 12° 1 | 10°51 | 2°40 | S 10 |
| S 11 | 9 48 14 | 28°44'51 | 1♍33 | 2°41 | 16°35 | 5°33 | 17°52 | 21°40 | 16°52 | 22°41 | 12°34 | 12°39 | 11°58 | 10°57 | 2°44 | S 11 |
| M12 | 9 52 10 | 29°44'58 | 16°37 | 3°56 | 17°50 | 6° 8 | 18° 3 | 21°44 | 16°50 | 22°41 | 12°35 | 12°38 | 11°55 | 11° 4 | 2°48 | M12 |
| T 13 | 9 56 7 | 0♓45'03 | 1♎26 | 5°12 | 19° 4 | 6°43 | 18°15 | 21°48 | 16°49 | 22°40 | 12°35 | 12°36 | 11°51 | 11°11 | 2°52 | T 13 |
| W14 | 10 0 3 | 1°45'06 | 15°52 | 6°30 | 20°19 | 7°17 | 18°27 | 21°51 | 16°47 | 22°39 | 12°36 | 12°33 | 11°48 | 11°17 | 2°56 | W14 |
| T 15 | 10 4 0 | 2°45'08 | 29°51 | 7°49 | 21°33 | 7°52 | 18°39 | 21°55 | 16°46 | 22°38 | 12°36 | 12°31 | 11°45 | 11°24 | 2°59 | T 15 |
| F 16 | 10 7 56 | 3°45'08 | 13♏22 | 9°10 | 22°47 | 8°26 | 18°51 | 21°59 | 16°44 | 22°37 | 12°37 | 12°28 | 11°42 | 11°31 | 3° 3 | F 16 |
| S 17 | 10 11 53 | 4°45'07 | 26°26 | 10°33 | 24° 2 | 9° 1 | 19° 3 | 22° 2 | 16°42 | 22°36 | 12°37 | 12°27 | 11°39 | 11°37 | 3° 7 | S 17 |
| S 18 | 10 15 49 | 5°45'04 | 9♐ 6 | 11°57 | 25°16 | 9°35 | 19°16 | 22° 6 | 16°41 | 22°35 | 12°38 | 12°D27 | 11°36 | 11°44 | 3°11 | S 18 |
| M19 | 10 19 46 | 6°44'59 | 21°26 | 13°22 | 26°30 | 10° 9 | 19°28 | 22° 9 | 16°39 | 22°34 | 12°39 | 12°28 | 11°32 | 11°50 | 3°15 | M19 |
| T 20 | 10 23 43 | 7°44'53 | 3♑30 | 14°48 | 27°45 | 10°43 | 19°40 | 22°13 | 16°37 | 22°33 | 12°39 | 12°29 | 11°29 | 11°57 | 3°19 | T 20 |
| W21 | 10 27 39 | 8°44'45 | 15°24 | 16°16 | 28°59 | 11°17 | 19°53 | 22°16 | 16°35 | 22°32 | 12°40 | 12°31 | 11°26 | 12° 4 | 3°23 | W21 |
| T 22 | 10 31 36 | 9°44'35 | 27°12 | 17°46 | 0♈13 | 11°51 | 20° 5 | 22°19 | 16°34 | 22°31 | 12°41 | 12°33 | 11°23 | 12°10 | 3°27 | T 22 |
| F 23 | 10 35 32 | 10°44'23 | 8♒58 | 19°16 | 1°27 | 12°25 | 20°18 | 22°22 | 16°32 | 22°30 | 12°41 | 12°R34 | 11°20 | 12°17 | 3°31 | F 23 |
| S 24 | 10 39 29 | 11°44'09 | 20°45 | 20°48 | 2°41 | 12°59 | 20°31 | 22°25 | 16°30 | 22°29 | 12°42 | 12°33 | 11°16 | 12°24 | 3°34 | S 24 |
| S 25 | 10 43 25 | 12°43'53 | 2♓37 | 22°21 | 3°55 | 13°33 | 20°43 | 22°28 | 16°28 | 22°28 | 12°43 | 12°32 | 11°13 | 12°30 | 3°38 | S 25 |
| M26 | 10 47 22 | 13°43'35 | 14°35 | 23°55 | 5° 9 | 14° 6 | 20°56 | 22°31 | 16°26 | 22°26 | 12°44 | 12°28 | 11°10 | 12°37 | 3°42 | M26 |
| T 27 | 10 51 18 | 14°43'16 | 26°42 | 25°31 | 6°24 | 14°40 | 21° 9 | 22°34 | 16°24 | 22°25 | 12°44 | 12°23 | 11° 7 | 12°44 | 3°46 | T 27 |
| W28 | 10 55 15 | 15♓42'54 | 8♈58 | 27♒ 8 | 7♈37 | 15♐13 | 21♈22 | 22♐36 | 16♎22 | 22♎24 | 12♉45 | 12♒18 | 11♒ 4 | 12♒50 | 3♓50 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15s18 | 8n55 | 4n33 | 20s53 | 0n50 | 11s23 | 1s27 | 19s28 | 0n44 | 5n17 | 1s 8 | 22s 3 | 1n12 | 6s 8 | 0n39 | 7s12 | 1n50 | 2n 8 | 14s11 | 17s 6 | 17s 8 | 18s 6 | 6s 1 | 5n 6 | T 1 |
| F 2 | 14 59 | 14 9 | 5 2 | 20 55 | 0 39 | 10 55 | 1 26 | 19 36 | 0 43 | 5 21 | 1 8 | 22 3 | 1 12 | 6 7 | 0 39 | 7 12 | 1 51 | 2 8 | 14 11 | 17 6 | 17 9 | 18 3 | 6 0 | 5 6 | F 2 |
| S 3 | 14 39 | 18 55 | 5 16 | 20 57 | 0 28 | 10 26 | 1 25 | 19 44 | 0 43 | 5 25 | 1 7 | 22 3 | 1 12 | 6 7 | 0 39 | 7 11 | 1 51 | 2 9 | 14 10 | 17 6 | 17 10 | 18 0 | 5 59 | 5 6 | S 3 |
| S 4 | 14 20 | 22 55 | 5 15 | 20 57 | 0 17 | 9 58 | 1 25 | 19 52 | 0 42 | 5 30 | 1 7 | 22 4 | 1 12 | 6 7 | 0 39 | 7 11 | 1 51 | 2 9 | 14 10 | 17 6 | 17 11 | 17 58 | 5 57 | 5 5 | S 4 |
| M 5 | 14 0 | 25 49 | 4 57 | 20 57 | 0 7 | 9 29 | 1 24 | 20 0 | 0 41 | 5 34 | 1 7 | 22 4 | 1 12 | 6 6 | 0 39 | 7 11 | 1 51 | 2 9 | 14 10 | 17 6 | 17 12 | 17 55 | 5 56 | 5 5 | M 5 |
| T 6 | 13 40 | 27 17 | 4 21 | 20 55 | 0s 3 | 9 0 | 1 23 | 20 8 | 0 40 | 5 39 | 1 7 | 22 4 | 1 12 | 6 6 | 0 39 | 7 11 | 1 51 | 2 10 | 14 9 | 17 6 | 17 13 | 17 52 | 5 55 | 5 5 | T 6 |
| W 7 | 13 20 | 27 1 | 3 29 | 20 51 | 0 13 | 8 30 | 1 22 | 20 15 | 0 40 | 5 43 | 1 7 | 22 4 | 1 12 | 6 5 | 0 39 | 7 10 | 1 51 | 2 10 | 14 9 | 17 6 | 17 14 | 17 50 | 5 54 | 5 5 | W 7 |
| T 8 | 13 0 | 24 54 | 2 21 | 20 47 | 0 22 | 8 1 | 1 21 | 20 23 | 0 39 | 5 48 | 1 6 | 22 5 | 1 12 | 6 5 | 0 39 | 7 10 | 1 51 | 2 11 | 14 9 | 17 6 | 17 14 | 17 47 | 5 52 | 5 5 | T 8 |
| F 9 | 12 40 | 21 0 | 1 3 | 20 41 | 0 31 | 7 31 | 1 20 | 20 30 | 0 38 | 5 52 | 1 6 | 22 5 | 1 12 | 6 4 | 0 39 | 7 10 | 1 51 | 2 11 | 14 8 | 17 5 | 17 15 | 17 44 | 5 51 | 5 5 | F 9 |
| S 10 | 12 19 | 15 41 | 0s20 | 20 34 | 0 39 | 7 1 | 1 19 | 20 37 | 0 37 | 5 57 | 1 6 | 22 5 | 1 12 | 6 4 | 0 39 | 7 9 | 1 51 | 2 12 | 14 8 | 17 5 | 17 16 | 17 42 | 5 50 | 5 5 | S 10 |
| S 11 | 11 58 | 9 23 | 1 43 | 20 26 | 0 48 | 6 30 | 1 18 | 20 44 | 0 36 | 6 2 | 1 6 | 22 5 | 1 12 | 6 3 | 0 39 | 7 9 | 1 51 | 2 12 | 14 8 | 17 5 | 17 17 | 17 39 | 5 48 | 5 5 | S 11 |
| M12 | 11 37 | 2 35 | 2 57 | 20 16 | 0 56 | 6 0 | 1 16 | 20 51 | 0 36 | 6 6 | 1 6 | 22 6 | 1 12 | 6 3 | 0 39 | 7 9 | 1 51 | 2 12 | 14 7 | 17 6 | 17 18 | 17 36 | 5 47 | 5 5 | M12 |
| T 13 | 11 16 | 4s13 | 3 58 | 20 5 | 1 3 | 5 30 | 1 15 | 20 58 | 0 35 | 6 11 | 1 5 | 22 6 | 1 12 | 6 2 | 0 39 | 7 8 | 1 51 | 2 13 | 14 7 | 17 6 | 17 19 | 17 34 | 5 46 | 5 5 | T 13 |
| W14 | 10 54 | 10 36 | 4 42 | 19 53 | 1 11 | 4 59 | 1 14 | 21 4 | 0 34 | 6 16 | 1 5 | 22 6 | 1 12 | 6 1 | 0 39 | 7 8 | 1 51 | 2 13 | 14 7 | 17 7 | 17 20 | 17 31 | 5 44 | 5 5 | W14 |
| T 15 | 10 33 | 16 16 | 5 8 | 19 39 | 1 18 | 4 28 | 1 12 | 21 11 | 0 33 | 6 20 | 1 5 | 22 6 | 1 12 | 6 1 | 0 39 | 7 7 | 1 51 | 2 14 | 14 7 | 17 8 | 17 21 | 17 28 | 5 43 | 5 5 | T 15 |
| F 16 | 10 11 | 20 56 | 5 16 | 19 24 | 1 24 | 3 57 | 1 11 | 21 17 | 0 32 | 6 25 | 1 5 | 22 6 | 1 12 | 6 0 | 0 39 | 7 7 | 1 51 | 2 14 | 14 6 | 17 9 | 17 22 | 17 26 | 5 42 | 5 5 | F 16 |
| S 17 | 9 49 | 24 25 | 5 7 | 19 7 | 1 30 | 3 26 | 1 9 | 21 24 | 0 31 | 6 30 | 1 5 | 22 6 | 1 12 | 5 59 | 0 39 | 7 7 | 1 51 | 2 15 | 14 6 | 17 9 | 17 22 | 17 23 | 5 40 | 5 5 | S 17 |
| S 18 | 9 27 | 26 34 | 4 42 | 18 50 | 1 36 | 2 55 | 1 7 | 21 30 | 0 30 | 6 35 | 1 5 | 22 7 | 1 12 | 5 59 | 0 39 | 7 6 | 1 51 | 2 15 | 14 6 | 17 9 | 17 23 | 17 20 | 5 39 | 5 5 | S 18 |
| M19 | 9 5 | 27 22 | 4 6 | 18 30 | 1 41 | 2 24 | 1 6 | 21 36 | 0 29 | 6 40 | 1 4 | 22 7 | 1 13 | 5 58 | 0 39 | 7 6 | 1 51 | 2 16 | 14 5 | 17 9 | 17 24 | 17 18 | 5 38 | 5 5 | M19 |
| T 20 | 8 42 | 26 49 | 3 19 | 18 10 | 1 46 | 1 53 | 1 4 | 21 42 | 0 28 | 6 44 | 1 4 | 22 7 | 1 13 | 5 57 | 0 40 | 7 5 | 1 52 | 2 16 | 14 5 | 17 8 | 17 25 | 17 15 | 5 36 | 5 5 | T 20 |
| W21 | 8 20 | 25 3 | 2 24 | 17 48 | 1 51 | 1 21 | 1 2 | 21 47 | 0 27 | 6 49 | 1 4 | 22 7 | 1 13 | 5 57 | 0 40 | 7 5 | 1 52 | 2 16 | 14 5 | 17 8 | 17 26 | 17 12 | 5 35 | 5 5 | W21 |
| T 22 | 7 57 | 22 11 | 1 24 | 17 25 | 1 55 | 0 50 | 1 0 | 21 53 | 0 26 | 6 54 | 1 4 | 22 7 | 1 13 | 5 56 | 0 40 | 7 5 | 1 52 | 2 17 | 14 4 | 17 7 | 17 27 | 17 9 | 5 33 | 5 5 | T 22 |
| F 23 | 7 34 | 18 25 | 0 20 | 17 0 | 1 59 | 0 19 | 0 58 | 21 59 | 0 25 | 6 59 | 1 4 | 22 7 | 1 13 | 5 55 | 0 40 | 7 4 | 1 52 | 2 17 | 14 4 | 17 7 | 17 28 | 17 7 | 5 32 | 5 5 | F 23 |
| S 24 | 7 12 | 13 56 | 0n45 | 16 34 | 2 3 | 0n13 | 0 56 | 22 4 | 0 24 | 7 4 | 1 4 | 22 7 | 1 13 | 5 54 | 0 40 | 7 4 | 1 52 | 2 18 | 14 4 | 17 7 | 17 29 | 17 4 | 5 31 | 5 5 | S 24 |
| S 25 | 6 49 | 8 55 | 1 48 | 16 6 | 2 6 | 0 44 | 0 54 | 22 9 | 0 23 | 7 9 | 1 3 | 22 8 | 1 13 | 5 54 | 0 40 | 7 3 | 1 52 | 2 18 | 14 4 | 17 8 | 17 30 | 17 1 | 5 29 | 5 5 | S 25 |
| M26 | 6 26 | 3 32 | 2 47 | 15 38 | 2 8 | 1 16 | 0 52 | 22 14 | 0 22 | 7 14 | 1 3 | 22 8 | 1 13 | 5 53 | 0 40 | 7 3 | 1 52 | 2 19 | 14 3 | 17 9 | 17 30 | 16 59 | 5 28 | 5 5 | M26 |
| T 27 | 6 3 | 2n 1 | 3 38 | 15 7 | 2 11 | 1 47 | 0 50 | 22 19 | 0 21 | 7 19 | 1 3 | 22 8 | 1 13 | 5 52 | 0 40 | 7 2 | 1 52 | 2 19 | 14 3 | 17 10 | 17 31 | 16 56 | 5 27 | 5 5 | T 27 |
| W28 | 5s40 | 7n33 | 4n21 | 14s36 | 2s12 | 2n18 | 0s48 | 22s24 | 0n20 | 7n24 | 1s 3 | 22s 8 | 1n13 | 5s51 | 0n40 | 7s 2 | 1n52 | 2n20 | 14s 3 | 17s12 | 17s32 | 16s53 | 5s25 | 5n 5 | W28 |

Julian Day Number = 2135282.5, Delta T = 16m01s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'05, Lahiri = 11°47'05 Julian Calendar 1 Feb. 1134 == Greg. Calendar 8 Feb. 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## MARCH 1134 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 59 11 | 16♓42'30 | 21♈25 | 28♒46 | 8♈51 | 15♐46 | 21♈35 | 22♐39 | 16°R20 | 22°R23 | 12♉46 | 12°R12 | 11♒ 1 | 12♒57 | 3♓54 | T 1 |
| F 2 | 11 3 8 | 17°42'03 | 4♉ 5 | 0♓25 | 10° 5 | 16°19 | 21°48 | 22°41 | 16♎18 | 22♎22 | 12°47 | 12♒ 6 | 10°57 | 13° 4 | 3°57 | F 2 |
| S 3 | 11 7 5 | 18°41'35 | 16°58 | 2° 6 | 11°19 | 16°52 | 22° 1 | 22°44 | 16°15 | 22°20 | 12°48 | 12° 1 | 10°54 | 13°10 | 4° 1 | S 3 |
| S 4 | 11 11 1 | 19°41'04 | 0♊ 5 | 3°48 | 12°33 | 17°25 | 22°14 | 22°46 | 16°13 | 22°19 | 12°49 | 11°57 | 10°51 | 13°17 | 4° 5 | S 4 |
| M 5 | 11 14 58 | 20°40'31 | 13°30 | 5°31 | 13°47 | 17°58 | 22°27 | 22°48 | 16°11 | 22°18 | 12°49 | 11°56 | 10°48 | 13°23 | 4° 9 | M 5 |
| T 6 | 11 18 54 | 21°39'56 | 27°11 | 7°16 | 15° 1 | 18°31 | 22°41 | 22°50 | 16° 9 | 22°16 | 12°50 | 11°D55 | 10°45 | 13°30 | 4°13 | T 6 |
| W 7 | 11 22 51 | 22°39'18 | 11♋12 | 9° 2 | 16°14 | 19° 3 | 22°54 | 22°52 | 16° 7 | 22°15 | 12°51 | 11°56 | 10°42 | 13°37 | 4°16 | W 7 |
| T 8 | 11 26 47 | 23°38'38 | 25°31 | 10°49 | 17°28 | 19°36 | 23° 7 | 22°54 | 16° 4 | 22°14 | 12°52 | 11°58 | 10°38 | 13°43 | 4°20 | T 8 |
| F 9 | 11 30 44 | 24°37'55 | 10♌ 6 | 12°37 | 18°42 | 20° 8 | 23°21 | 22°56 | 16° 2 | 22°12 | 12°53 | 11°R59 | 10°35 | 13°50 | 4°24 | F 9 |
| S 10 | 11 34 40 | 25°37'11 | 24°53 | 14°27 | 19°55 | 20°40 | 23°34 | 22°57 | 16° 0 | 22°11 | 12°54 | 11°58 | 10°32 | 13°57 | 4°27 | S 10 |
| S 11 | 11 38 37 | 26°36'23 | 9♍48 | 16°18 | 21° 9 | 21°12 | 23°48 | 22°59 | 15°57 | 22° 9 | 12°55 | 11°55 | 10°29 | 14° 3 | 4°31 | S 11 |
| M12 | 11 42 34 | 27°35'34 | 24°41 | 18°11 | 22°22 | 21°44 | 24° 1 | 23° 0 | 15°55 | 22° 8 | 12°56 | 11°51 | 10°26 | 14°10 | 4°35 | M12 |
| T 13 | 11 46 30 | 28°34'42 | 9♎24 | 20° 5 | 23°35 | 22°16 | 24°15 | 23° 2 | 15°53 | 22° 6 | 12°57 | 11°44 | 10°22 | 14°17 | 4°38 | T 13 |
| W14 | 11 50 27 | 29°33'49 | 23°51 | 22° 0 | 24°49 | 22°48 | 24°28 | 23° 3 | 15°50 | 22° 5 | 12°58 | 11°36 | 10°19 | 14°23 | 4°42 | W14 |
| T 15 | 11 54 23 | 0♈32'53 | 7♏54 | 23°57 | 26° 2 | 23°19 | 24°42 | 23° 4 | 15°48 | 22° 3 | 12°59 | 11°29 | 10°16 | 14°30 | 4°46 | T 15 |
| F 16 | 11 58 20 | 1°31'56 | 21°31 | 25°55 | 27°15 | 23°51 | 24°56 | 23° 5 | 15°45 | 22° 2 | 13° 0 | 11°22 | 10°13 | 14°37 | 4°49 | F 16 |
| S 17 | 12 2 16 | 2°30'57 | 4♐40 | 27°54 | 28°29 | 24°22 | 25° 9 | 23° 6 | 15°43 | 22° 0 | 13° 1 | 11°16 | 10°10 | 14°43 | 4°53 | S 17 |
| S 18 | 12 6 13 | 3°29'56 | 17°25 | 29°54 | 29°42 | 24°53 | 25°23 | 23° 7 | 15°40 | 21°59 | 13° 2 | 11°13 | 10° 7 | 14°50 | 4°56 | S 18 |
| M19 | 12 10 9 | 4°28'53 | 29°48 | 1♈56 | 0♉55 | 25°24 | 25°37 | 23° 8 | 15°38 | 21°57 | 13° 3 | 11°D11 | 10° 3 | 14°57 | 5° 0 | M19 |
| T 20 | 12 14 6 | 5°27'49 | 11♑53 | 3°59 | 2° 8 | 25°55 | 25°51 | 23° 9 | 15°35 | 21°56 | 13° 4 | 11°11 | 10° 0 | 15° 3 | 5° 3 | T 20 |
| W21 | 12 18 3 | 6°26'43 | 23°48 | 6° 3 | 3°21 | 26°25 | 26° 5 | 23° 9 | 15°33 | 21°54 | 13° 6 | 11°12 | 9°57 | 15°10 | 5° 7 | W21 |
| T 22 | 12 21 59 | 7°25'35 | 5♒35 | 8° 7 | 4°34 | 26°56 | 26°19 | 23°10 | 15°30 | 21°53 | 13° 7 | 11°R13 | 9°54 | 15°16 | 5°10 | T 22 |
| F 23 | 12 25 56 | 8°24'25 | 17°22 | 10°13 | 5°47 | 27°26 | 26°33 | 23°10 | 15°28 | 21°51 | 13° 8 | 11°13 | 9°51 | 15°23 | 5°14 | F 23 |
| S 24 | 12 29 52 | 9°23'13 | 29°12 | 12°18 | 7° 0 | 27°56 | 26°47 | 23°11 | 15°25 | 21°50 | 13° 9 | 11°11 | 9°47 | 15°30 | 5°17 | S 24 |
| S 25 | 12 33 49 | 10°21'59 | 11♓ 9 | 14°25 | 8°13 | 28°26 | 27° 1 | 23°11 | 15°23 | 21°48 | 13°10 | 11° 7 | 9°44 | 15°36 | 5°20 | S 25 |
| M26 | 12 37 45 | 11°20'44 | 23°16 | 16°31 | 9°26 | 28°55 | 27°15 | 23°11 | 15°20 | 21°46 | 13°11 | 11° 0 | 9°41 | 15°43 | 5°24 | M26 |
| T 27 | 12 41 42 | 12°19'26 | 5♈35 | 18°37 | 10°39 | 29°25 | 27°29 | 23°R11 | 15°18 | 21°45 | 13°12 | 10°51 | 9°38 | 15°50 | 5°27 | T 27 |
| W28 | 12 45 38 | 13°18'07 | 18° 8 | 20°43 | 11°51 | 29°54 | 27°43 | 23°11 | 15°15 | 21°43 | 13°14 | 10°41 | 9°35 | 15°56 | 5°30 | W28 |
| T 29 | 12 49 35 | 14°16'45 | 0♉54 | 22°48 | 13° 4 | 0♑23 | 27°57 | 23°11 | 15°12 | 21°42 | 13°15 | 10°29 | 9°32 | 16° 3 | 5°33 | T 29 |
| F 30 | 12 53 32 | 15°15'22 | 13°53 | 24°52 | 14°17 | 0°52 | 28°11 | 23°10 | 15°10 | 21°40 | 13°16 | 10°18 | 9°28 | 16°10 | 5°37 | F 30 |
| S 31 | 12 57 28 | 16♈13'57 | 27♉ 4 | 26♈54 | 15♉29 | 1♑21 | 28♈25 | 23♐10 | 15♎ 7 | 21♎38 | 13♉17 | 10♒ 9 | 9♒25 | 16♒16 | 5♓40 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s16 | 12n53 | 4n51 | 14s 3 | 2s14 | 2n50 | 0s46 | 22s29 | 0n19 | 7n29 | 1s 3 | 22s 8 | 1n13 | 5s50 | 0n40 | 7s 1 | 1n52 | 2n20 | 14s 3 | 17s13 | 17s33 | 16s50 | 5s24 | 5n 5 |
| F 2 | 4 53 | 17 46 | 5 8 | 13 28 | 2 14 | 3 21 | 0 44 | 22 34 | 0 17 | 7 34 | 1 3 | 22 8 | 1 13 | 5 50 | 0 40 | 7 1 | 1 52 | 2 21 | 14 2 | 17 15 | 17 34 | 16 48 | 5 22 | 5 5 |
| S 3 | 4 30 | 21 56 | 5 10 | 12 52 | 2 15 | 3 52 | 0 41 | 22 38 | 0 16 | 7 39 | 1 2 | 22 8 | 1 13 | 5 49 | 0 40 | 7 0 | 1 52 | 2 21 | 14 2 | 17 16 | 17 35 | 16 45 | 5 21 | 5 5 |
| S 4 | 4 6 | 25 5 | 4 56 | 12 15 | 2 15 | 4 23 | 0 39 | 22 42 | 0 15 | 7 44 | 1 2 | 22 8 | 1 13 | 5 48 | 0 40 | 7 0 | 1 52 | 2 22 | 14 2 | 17 17 | 17 36 | 16 42 | 5 20 | 5 5 |
| M 5 | 3 43 | 26 55 | 4 26 | 11 37 | 2 14 | 4 54 | 0 37 | 22 47 | 0 14 | 7 49 | 1 2 | 22 8 | 1 13 | 5 47 | 0 40 | 6 59 | 1 52 | 2 22 | 14 1 | 17 18 | 17 37 | 16 39 | 5 18 | 5 5 |
| T 6 | 3 19 | 27 11 | 3 39 | 10 57 | 2 13 | 5 25 | 0 34 | 22 51 | 0 13 | 7 54 | 1 2 | 22 8 | 1 13 | 5 46 | 0 40 | 6 59 | 1 52 | 2 23 | 14 1 | 17 18 | 17 37 | 16 37 | 5 17 | 5 5 |
| W 7 | 2 56 | 25 44 | 2 39 | 10 16 | 2 12 | 5 56 | 0 32 | 22 55 | 0 11 | 7 59 | 1 2 | 22 8 | 1 13 | 5 45 | 0 40 | 6 58 | 1 52 | 2 23 | 14 1 | 17 18 | 17 38 | 16 34 | 5 15 | 5 5 |
| T 8 | 2 32 | 22 35 | 1 28 | 9 33 | 2 10 | 6 26 | 0 29 | 22 59 | 0 10 | 8 4 | 1 2 | 22 8 | 1 13 | 5 44 | 0 40 | 6 58 | 1 52 | 2 24 | 14 1 | 17 17 | 17 39 | 16 31 | 5 14 | 5 5 |
| F 9 | 2 9 | 17 58 | 0 10 | 8 49 | 2 8 | 6 57 | 0 27 | 23 3 | 0 9 | 8 9 | 1 2 | 22 8 | 1 13 | 5 44 | 0 40 | 6 57 | 1 52 | 2 24 | 14 0 | 17 17 | 17 40 | 16 28 | 5 13 | 5 5 |
| S 10 | 1 45 | 12 12 | 1s10 | 8 4 | 2 5 | 7 27 | 0 24 | 23 6 | 0 7 | 8 15 | 1 2 | 22 9 | 1 13 | 5 43 | 0 40 | 6 56 | 1 52 | 2 25 | 14 0 | 17 17 | 17 41 | 16 26 | 5 11 | 5 5 |
| S 11 | 1 21 | 5 42 | 2 25 | 7 17 | 2 1 | 7 57 | 0 21 | 23 10 | 0 6 | 8 20 | 1 1 | 22 9 | 1 14 | 5 42 | 0 40 | 6 56 | 1 52 | 2 25 | 14 0 | 17 18 | 17 42 | 16 23 | 5 10 | 5 5 |
| M12 | 0 58 | 1s 5 | 3 30 | 6 29 | 1 57 | 8 27 | 0 19 | 23 13 | 0 4 | 8 25 | 1 1 | 22 9 | 1 14 | 5 41 | 0 40 | 6 55 | 1 52 | 2 26 | 14 0 | 17 19 | 17 43 | 16 20 | 5 9 | 5 5 |
| T 13 | 0 34 | 7 44 | 4 21 | 5 40 | 1 53 | 8 57 | 0 16 | 23 17 | 0 3 | 8 30 | 1 1 | 22 9 | 1 14 | 5 40 | 0 40 | 6 55 | 1 52 | 2 26 | 14 0 | 17 21 | 17 43 | 16 17 | 5 7 | 5 5 |
| W14 | 0 10 | 13 50 | 4 53 | 4 50 | 1 48 | 9 27 | 0 13 | 23 20 | 0 2 | 8 35 | 1 1 | 22 9 | 1 14 | 5 39 | 0 40 | 6 54 | 1 52 | 2 27 | 13 59 | 17 23 | 17 44 | 16 15 | 5 6 | 5 5 |
| T 15 | 0n13 | 19 3 | 5 7 | 3 59 | 1 42 | 9 56 | 0 11 | 23 23 | 0 0 | 8 40 | 1 1 | 22 9 | 1 14 | 5 38 | 0 40 | 6 54 | 1 52 | 2 27 | 13 59 | 17 25 | 17 45 | 16 12 | 5 4 | 5 5 |
| F 16 | 0 37 | 23 6 | 5 3 | 3 6 | 1 36 | 10 25 | 0 8 | 23 26 | 0s 1 | 8 45 | 1 1 | 22 9 | 1 14 | 5 37 | 0 40 | 6 53 | 1 52 | 2 28 | 13 59 | 17 27 | 17 46 | 16 9 | 5 3 | 5 5 |
| S 17 | 1 0 | 25 48 | 4 43 | 2 12 | 1 29 | 10 54 | 0 5 | 23 29 | 0 3 | 8 50 | 1 1 | 22 9 | 1 14 | 5 36 | 0 40 | 6 52 | 1 52 | 2 28 | 13 59 | 17 29 | 17 47 | 16 6 | 5 2 | 5 5 |
| S 18 | 1 24 | 27 5 | 4 9 | 1 18 | 1 22 | 11 23 | 0 2 | 23 32 | 0 4 | 8 56 | 1 1 | 22 9 | 1 14 | 5 35 | 0 40 | 6 52 | 1 53 | 2 29 | 13 58 | 17 30 | 17 48 | 16 3 | 5 0 | 5 5 |
| M19 | 1 47 | 26 57 | 3 24 | 0 22 | 1 15 | 11 51 | 0n 0 | 23 34 | 0 6 | 9 1 | 1 0 | 22 9 | 1 14 | 5 34 | 0 40 | 6 51 | 1 53 | 2 29 | 13 58 | 17 30 | 17 49 | 16 1 | 4 59 | 5 6 |
| T 20 | 2 11 | 25 32 | 2 31 | 0n34 | 1 6 | 12 19 | 0 3 | 23 37 | 0 8 | 9 6 | 1 0 | 22 9 | 1 14 | 5 33 | 0 40 | 6 51 | 1 53 | 2 30 | 13 58 | 17 30 | 17 49 | 15 58 | 4 58 | 5 6 |
| W21 | 2 34 | 22 58 | 1 32 | 1 32 | 0 58 | 12 47 | 0 6 | 23 40 | 0 9 | 9 11 | 1 0 | 22 9 | 1 14 | 5 32 | 0 40 | 6 50 | 1 53 | 2 30 | 13 58 | 17 30 | 17 50 | 15 55 | 4 56 | 5 6 |
| T 22 | 2 58 | 19 27 | 0 30 | 2 29 | 0 49 | 13 15 | 0 9 | 23 42 | 0 11 | 9 16 | 1 0 | 22 9 | 1 14 | 5 31 | 0 40 | 6 49 | 1 53 | 2 31 | 13 58 | 17 30 | 17 51 | 15 52 | 4 55 | 5 6 |
| F 23 | 3 21 | 15 11 | 0n33 | 3 28 | 0 39 | 13 42 | 0 12 | 23 44 | 0 13 | 9 21 | 1 0 | 22 9 | 1 14 | 5 30 | 0 40 | 6 49 | 1 53 | 2 31 | 13 57 | 17 30 | 17 52 | 15 49 | 4 54 | 5 6 |
| S 24 | 3 44 | 10 20 | 1 35 | 4 26 | 0 29 | 14 9 | 0 15 | 23 47 | 0 14 | 9 26 | 1 0 | 22 8 | 1 14 | 5 29 | 0 40 | 6 48 | 1 53 | 2 32 | 13 57 | 17 30 | 17 53 | 15 47 | 4 52 | 5 6 |
| S 25 | 4 7 | 5 4 | 2 33 | 5 25 | 0 19 | 14 35 | 0 18 | 23 49 | 0 16 | 9 32 | 1 0 | 22 8 | 1 14 | 5 28 | 0 40 | 6 48 | 1 53 | 2 32 | 13 57 | 17 31 | 17 54 | 15 44 | 4 51 | 5 6 |
| M26 | 4 31 | 0n27 | 3 25 | 6 23 | 0 9 | 15 2 | 0 21 | 23 51 | 0 18 | 9 37 | 1 0 | 22 8 | 1 14 | 5 27 | 0 40 | 6 47 | 1 53 | 2 33 | 13 57 | 17 33 | 17 55 | 15 41 | 4 50 | 5 6 |
| T 27 | 4 54 | 6 1 | 4 8 | 7 22 | 0n 2 | 15 27 | 0 23 | 23 53 | 0 20 | 9 42 | 1 0 | 22 8 | 1 14 | 5 26 | 0 40 | 6 46 | 1 53 | 2 33 | 13 57 | 17 36 | 17 55 | 15 38 | 4 48 | 5 6 |
| W28 | 5 17 | 11 27 | 4 40 | 8 20 | 0 13 | 15 53 | 0 26 | 23 55 | 0 22 | 9 47 | 1 0 | 22 8 | 1 14 | 5 25 | 0 40 | 6 46 | 1 53 | 2 34 | 13 56 | 17 38 | 17 56 | 15 35 | 4 47 | 5 7 |
| T 29 | 5 39 | 16 30 | 4 59 | 9 17 | 0 24 | 16 18 | 0 29 | 23 57 | 0 23 | 9 52 | 0 59 | 22 8 | 1 14 | 5 24 | 0 40 | 6 45 | 1 53 | 2 34 | 13 56 | 17 42 | 17 57 | 15 33 | 4 46 | 5 7 |
| F 30 | 6 2 | 20 53 | 5 3 | 10 13 | 0 35 | 16 43 | 0 32 | 23 58 | 0 25 | 9 57 | 0 59 | 22 8 | 1 15 | 5 23 | 0 40 | 6 45 | 1 53 | 2 35 | 13 56 | 17 45 | 17 58 | 15 30 | 4 44 | 5 7 |
| S 31 | 6n25 | 24n18 | 4n50 | 11n 8 | 0n46 | 17n 7 | 0n35 | 24s 0 | 0s27 | 10n 2 | 0s59 | 22s 8 | 1n15 | 5s22 | 0n40 | 6s44 | 1n53 | 2n35 | 13s56 | 17s47 | 17s59 | 15s27 | 4s43 | 5n 7 |

Julian Day Number = 2135310.5, Delta T = 16m00s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'08, Lahiri = 11°47'09 Julian Calendar 1 March 1134 == Greg. Calendar 8 March 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## APRIL 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 1 25 | 17♈12'29 | 10♊27 | 28♈55 | 16♉42 | 1♋49 | 28♈39 | 23°R10 | 15°R 5 | 21°R37 | 13♉19 | 10°R 1 | 9♒22 | 16♒23 | 5♓43 | S 1 |
| M 2 | 13 5 21 | 18°10'59 | 24° 1 | 0♉54 | 17°54 | 2°17 | 28°53 | 23♐ 9 | 15♎ 2 | 21♎35 | 13°20 | 9♒57 | 9°19 | 16°30 | 5°46 | M 2 |
| T 3 | 13 9 18 | 19° 9'28 | 7♋46 | 2°50 | 19° 7 | 2°45 | 29° 8 | 23° 8 | 15° 0 | 21°33 | 13°21 | 9°54 | 9°16 | 16°36 | 5°49 | T 3 |
| W 4 | 13 13 14 | 20° 7'54 | 21°42 | 4°44 | 20°19 | 3°13 | 29°22 | 23° 8 | 14°57 | 21°32 | 13°22 | 9°D54 | 9°13 | 16°43 | 5°52 | W 4 |
| T 5 | 13 17 11 | 21° 6'17 | 5♌48 | 6°34 | 21°31 | 3°40 | 29°36 | 23° 7 | 14°54 | 21°30 | 13°24 | 9°R54 | 9° 9 | 16°49 | 5°55 | T 5 |
| F 6 | 13 21 7 | 22° 4'39 | 20° 5 | 8°22 | 22°43 | 4° 7 | 29°50 | 23° 6 | 14°52 | 21°28 | 13°25 | 9°54 | 9° 6 | 16°56 | 5°58 | F 6 |
| S 7 | 13 25 4 | 23° 2'58 | 4♍30 | 10° 6 | 23°55 | 4°34 | 0♉ 4 | 23° 5 | 14°49 | 21°27 | 13°26 | 9°52 | 9° 3 | 17° 3 | 6° 1 | S 7 |
| S 8 | 13 29 1 | 24° 1'15 | 18°59 | 11°47 | 25° 8 | 5° 1 | 0°19 | 23° 4 | 14°47 | 21°25 | 13°27 | 9°47 | 9° 0 | 17° 9 | 6° 4 | S 8 |
| M 9 | 13 32 57 | 24°59'30 | 3♎29 | 13°23 | 26°20 | 5°28 | 0°33 | 23° 2 | 14°44 | 21°24 | 13°29 | 9°40 | 8°57 | 17°16 | 6° 7 | M 9 |
| T 10 | 13 36 54 | 25°57'43 | 17°52 | 14°56 | 27°32 | 5°54 | 0°47 | 23° 1 | 14°42 | 21°22 | 13°30 | 9°30 | 8°53 | 17°23 | 6° 9 | T 10 |
| W11 | 13 40 50 | 26°55'55 | 2♏ 4 | 16°25 | 28°43 | 6°20 | 1° 1 | 23° 0 | 14°39 | 21°20 | 13°31 | 9°19 | 8°50 | 17°29 | 6°12 | W11 |
| T 12 | 13 44 47 | 27°54'04 | 15°57 | 17°49 | 29°55 | 6°45 | 1°16 | 22°58 | 14°37 | 21°19 | 13°33 | 9° 8 | 8°47 | 17°36 | 6°15 | T 12 |
| F 13 | 13 48 43 | 28°52'12 | 29°28 | 19°10 | 1♊ 7 | 7°11 | 1°30 | 22°56 | 14°34 | 21°17 | 13°34 | 8°57 | 8°44 | 17°43 | 6°18 | F 13 |
| S 14 | 13 52 40 | 29°50'19 | 12♐36 | 20°26 | 2°19 | 7°36 | 1°44 | 22°55 | 14°32 | 21°15 | 13°35 | 8°48 | 8°41 | 17°49 | 6°20 | S 14 |
| S 15 | 13 56 36 | 0♉48'24 | 25°21 | 21°37 | 3°30 | 8° 0 | 1°58 | 22°53 | 14°30 | 21°14 | 13°36 | 8°41 | 8°38 | 17°56 | 6°23 | S 15 |
| M16 | 14 0 33 | 1°46'27 | 7♋45 | 22°44 | 4°42 | 8°25 | 2°13 | 22°51 | 14°27 | 21°12 | 13°38 | 8°37 | 8°34 | 18° 3 | 6°25 | M16 |
| T 17 | 14 4 30 | 2°44'29 | 19°52 | 23°47 | 5°53 | 8°49 | 2°27 | 22°49 | 14°25 | 21°11 | 13°39 | 8°35 | 8°31 | 18° 9 | 6°28 | T 17 |
| W18 | 14 8 26 | 3°42'30 | 1♒48 | 24°45 | 7° 5 | 9°13 | 2°41 | 22°47 | 14°22 | 21° 9 | 13°40 | 8°35 | 8°28 | 18°16 | 6°30 | W18 |
| T 19 | 14 12 23 | 4°40'29 | 13°37 | 25°38 | 8°16 | 9°36 | 2°55 | 22°45 | 14°20 | 21° 7 | 13°42 | 8°35 | 8°25 | 18°23 | 6°33 | T 19 |
| F 20 | 14 16 19 | 5°38'27 | 25°25 | 26°27 | 9°28 | 9°59 | 3°10 | 22°43 | 14°18 | 21° 6 | 13°43 | 8°34 | 8°22 | 18°29 | 6°35 | F 20 |
| S 21 | 14 20 16 | 6°36'23 | 7♓18 | 27°10 | 10°39 | 10°22 | 3°24 | 22°40 | 14°15 | 21° 4 | 13°45 | 8°31 | 8°19 | 18°36 | 6°38 | S 21 |
| S 22 | 14 24 12 | 7°34'18 | 19°20 | 27°49 | 11°50 | 10°44 | 3°38 | 22°38 | 14°13 | 21° 3 | 13°46 | 8°27 | 8°15 | 18°42 | 6°40 | S 22 |
| M23 | 14 28 9 | 8°32'12 | 1♈34 | 28°23 | 13° 1 | 11° 6 | 3°52 | 22°36 | 14°11 | 21° 1 | 13°47 | 8°19 | 8°12 | 18°49 | 6°42 | M23 |
| T 24 | 14 32 5 | 9°30'04 | 14° 5 | 28°52 | 14°12 | 11°28 | 4° 7 | 22°33 | 14° 9 | 21° 0 | 13°49 | 8° 9 | 8° 9 | 18°56 | 6°44 | T 24 |
| W25 | 14 36 2 | 10°27'55 | 26°53 | 29°16 | 15°23 | 11°49 | 4°21 | 22°30 | 14° 6 | 20°58 | 13°50 | 7°57 | 8° 6 | 19° 2 | 6°47 | W25 |
| T 26 | 14 39 58 | 11°25'45 | 9♉58 | 29°35 | 16°34 | 12°10 | 4°35 | 22°28 | 14° 4 | 20°57 | 13°51 | 7°45 | 8° 3 | 19° 9 | 6°49 | T 26 |
| F 27 | 14 43 55 | 12°23'33 | 23°19 | 29°49 | 17°45 | 12°30 | 4°49 | 22°25 | 14° 2 | 20°55 | 13°53 | 7°32 | 7°59 | 19°16 | 6°51 | F 27 |
| S 28 | 14 47 52 | 13°21'20 | 6♊54 | 29°58 | 18°56 | 12°50 | 5° 3 | 22°22 | 14° 0 | 20°54 | 13°54 | 7°21 | 7°56 | 19°22 | 6°53 | S 28 |
| S 29 | 14 51 48 | 14°19'05 | 20°40 | 0°R 2 | 20° 6 | 13° 9 | 5°18 | 22°19 | 13°58 | 20°52 | 13°55 | 7°13 | 7°53 | 19°29 | 6°55 | S 29 |
| M30 | 14 55 45 | 15♉16'49 | 4♋34 | 0♊ 1 | 21♊17 | 13♋28 | 5♉32 | 22♐16 | 13♎56 | 20♎51 | 13♉57 | 7♒ 7 | 7♒50 | 19♒36 | 6♓57 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n47 | 26n26 | 4n22 | 12n 2 | 0n57 | 17n31 | 0n38 | 24s 2 | 0s29 | 10n 8 | 0s59 | 22s 8 | 1n15 | 5s21 | 0n40 | 6s43 | 1n53 | 2n36 | 13s56 | 17s49 | 18s 0 | 15s24 | 4s42 | 5n 7 |
| M 2 | 7 10 | 27 3 | 3 39 | 12 54 | 1 8 | 17 54 | 0 41 | 24 3 | 0 31 | 10 13 | 0 59 | 22 8 | 1 15 | 5 20 | 0 40 | 6 43 | 1 53 | 2 36 | 13 56 | 17 50 | 18 1 | 15 21 | 4 41 | 5 7 |
| T 3 | 7 32 | 26 1 | 2 42 | 13 44 | 1 18 | 18 17 | 0 44 | 24 5 | 0 33 | 10 18 | 0 59 | 22 8 | 1 15 | 5 19 | 0 40 | 6 42 | 1 53 | 2 37 | 13 56 | 17 51 | 18 1 | 15 18 | 4 39 | 5 7 |
| W 4 | 7 54 | 23 22 | 1 35 | 14 33 | 1 29 | 18 40 | 0 47 | 24 6 | 0 35 | 10 23 | 0 59 | 22 8 | 1 15 | 5 18 | 0 40 | 6 41 | 1 53 | 2 37 | 13 55 | 17 51 | 18 2 | 15 16 | 4 38 | 5 8 |
| T 5 | 8 16 | 19 16 | 0 22 | 15 19 | 1 38 | 19 2 | 0 50 | 24 8 | 0 38 | 10 28 | 0 59 | 22 8 | 1 15 | 5 17 | 0 40 | 6 41 | 1 53 | 2 38 | 13 55 | 17 51 | 18 3 | 15 13 | 4 37 | 5 8 |
| F 6 | 8 38 | 14 0 | 0s54 | 16 3 | 1 47 | 19 23 | 0 52 | 24 9 | 0 40 | 10 33 | 0 59 | 22 8 | 1 15 | 5 16 | 0 40 | 6 40 | 1 53 | 2 38 | 13 55 | 17 51 | 18 4 | 15 10 | 4 36 | 5 8 |
| S 7 | 9 0 | 7 57 | 2 7 | 16 45 | 1 56 | 19 44 | 0 55 | 24 10 | 0 42 | 10 38 | 0 59 | 22 8 | 1 15 | 5 15 | 0 40 | 6 40 | 1 53 | 2 39 | 13 55 | 17 52 | 18 5 | 15 7 | 4 34 | 5 8 |
| S 8 | 9 22 | 1 27 | 3 11 | 17 24 | 2 4 | 20 5 | 0 58 | 24 12 | 0 44 | 10 43 | 0 59 | 22 7 | 1 15 | 5 15 | 0 40 | 6 39 | 1 53 | 2 39 | 13 55 | 17 53 | 18 6 | 15 4 | 4 33 | 5 8 |
| M 9 | 9 43 | 5s 7 | 4 4 | 18 1 | 2 11 | 20 25 | 1 1 | 24 13 | 0 46 | 10 48 | 0 59 | 22 7 | 1 15 | 5 14 | 0 40 | 6 38 | 1 53 | 2 40 | 13 55 | 17 55 | 18 6 | 15 1 | 4 32 | 5 8 |
| T 10 | 10 4 | 11 21 | 4 40 | 18 35 | 2 18 | 20 44 | 1 4 | 24 14 | 0 49 | 10 53 | 0 58 | 22 7 | 1 15 | 5 13 | 0 40 | 6 38 | 1 53 | 2 40 | 13 55 | 17 57 | 18 7 | 14 58 | 4 31 | 5 9 |
| W11 | 10 26 | 16 55 | 4 59 | 19 7 | 2 24 | 21 3 | 1 6 | 24 15 | 0 51 | 10 58 | 0 58 | 22 7 | 1 15 | 5 12 | 0 40 | 6 37 | 1 53 | 2 41 | 13 55 | 18 0 | 18 8 | 14 56 | 4 30 | 5 9 |
| T 12 | 10 47 | 21 27 | 4 59 | 19 36 | 2 29 | 21 21 | 1 9 | 24 16 | 0 53 | 11 3 | 0 58 | 22 7 | 1 15 | 5 11 | 0 40 | 6 37 | 1 53 | 2 41 | 13 54 | 18 4 | 18 9 | 14 53 | 4 28 | 5 9 |
| F 13 | 11 7 | 24 43 | 4 42 | 20 3 | 2 33 | 21 39 | 1 12 | 24 17 | 0 56 | 11 8 | 0 58 | 22 7 | 1 15 | 5 10 | 0 40 | 6 36 | 1 53 | 2 42 | 13 54 | 18 6 | 18 10 | 14 50 | 4 27 | 5 9 |
| S 14 | 11 28 | 26 34 | 4 11 | 20 27 | 2 36 | 21 56 | 1 14 | 24 18 | 0 58 | 11 13 | 0 58 | 22 7 | 1 15 | 5 9 | 0 40 | 6 35 | 1 53 | 2 42 | 13 54 | 18 9 | 18 11 | 14 47 | 4 26 | 5 9 |
| S 15 | 11 49 | 26 56 | 3 28 | 20 48 | 2 38 | 22 13 | 1 17 | 24 19 | 1 1 | 11 18 | 0 58 | 22 7 | 1 15 | 5 8 | 0 40 | 6 35 | 1 53 | 2 43 | 13 54 | 18 11 | 18 11 | 14 44 | 4 25 | 5 10 |
| M16 | 12 9 | 25 55 | 2 36 | 21 7 | 2 40 | 22 29 | 1 20 | 24 20 | 1 3 | 11 23 | 0 58 | 22 6 | 1 15 | 5 7 | 0 40 | 6 34 | 1 53 | 2 43 | 13 54 | 18 12 | 18 12 | 14 41 | 4 24 | 5 10 |
| T 17 | 12 29 | 23 41 | 1 37 | 21 24 | 2 40 | 22 44 | 1 22 | 24 21 | 1 6 | 11 28 | 0 58 | 22 6 | 1 15 | 5 6 | 0 40 | 6 34 | 1 53 | 2 44 | 13 54 | 18 12 | 18 13 | 14 38 | 4 23 | 5 10 |
| W18 | 12 49 | 20 26 | 0 36 | 21 38 | 2 40 | 22 59 | 1 25 | 24 22 | 1 9 | 11 33 | 0 58 | 22 6 | 1 15 | 5 5 | 0 40 | 6 33 | 1 53 | 2 44 | 13 54 | 18 12 | 18 14 | 14 36 | 4 22 | 5 10 |
| T 19 | 13 8 | 16 23 | 0n27 | 21 49 | 2 38 | 23 14 | 1 27 | 24 23 | 1 11 | 11 38 | 0 58 | 22 6 | 1 15 | 5 4 | 0 40 | 6 32 | 1 53 | 2 44 | 13 54 | 18 12 | 18 15 | 14 33 | 4 21 | 5 10 |
| F 20 | 13 28 | 11 44 | 1 28 | 21 58 | 2 36 | 23 27 | 1 30 | 24 24 | 1 14 | 11 43 | 0 58 | 22 6 | 1 15 | 5 3 | 0 40 | 6 32 | 1 53 | 2 45 | 13 54 | 18 12 | 18 16 | 14 30 | 4 20 | 5 11 |
| S 21 | 13 47 | 6 37 | 2 26 | 22 5 | 2 32 | 23 40 | 1 32 | 24 25 | 1 17 | 11 48 | 0 58 | 22 6 | 1 15 | 5 2 | 0 39 | 6 31 | 1 53 | 2 45 | 13 54 | 18 13 | 18 16 | 14 27 | 4 19 | 5 11 |
| S 22 | 14 6 | 1 13 | 3 18 | 22 9 | 2 27 | 23 52 | 1 34 | 24 27 | 1 20 | 11 53 | 0 58 | 22 6 | 1 15 | 5 2 | 0 39 | 6 31 | 1 53 | 2 46 | 13 54 | 18 14 | 18 17 | 14 24 | 4 17 | 5 11 |
| M23 | 14 25 | 4n19 | 4 2 | 22 11 | 2 21 | 24 4 | 1 37 | 24 28 | 1 23 | 11 58 | 0 58 | 22 5 | 1 15 | 5 1 | 0 39 | 6 30 | 1 53 | 2 46 | 13 54 | 18 16 | 18 18 | 14 21 | 4 16 | 5 11 |
| T 24 | 14 44 | 9 48 | 4 35 | 22 11 | 2 15 | 24 15 | 1 39 | 24 29 | 1 26 | 12 3 | 0 58 | 22 5 | 1 15 | 5 0 | 0 39 | 6 29 | 1 53 | 2 47 | 13 53 | 18 19 | 18 19 | 14 18 | 4 15 | 5 11 |
| W25 | 15 2 | 14 59 | 4 55 | 22 9 | 2 7 | 24 25 | 1 41 | 24 30 | 1 29 | 12 8 | 0 58 | 22 5 | 1 15 | 4 59 | 0 39 | 6 29 | 1 53 | 2 47 | 13 53 | 18 22 | 18 20 | 14 15 | 4 14 | 5 12 |
| T 26 | 15 20 | 19 37 | 5 0 | 22 4 | 1 58 | 24 35 | 1 43 | 24 31 | 1 32 | 12 12 | 0 58 | 22 5 | 1 15 | 4 58 | 0 39 | 6 28 | 1 53 | 2 48 | 13 53 | 18 25 | 18 21 | 14 12 | 4 13 | 5 12 |
| F 27 | 15 38 | 23 21 | 4 49 | 21 57 | 1 48 | 24 44 | 1 45 | 24 32 | 1 35 | 12 17 | 0 58 | 22 5 | 1 15 | 4 57 | 0 39 | 6 28 | 1 53 | 2 48 | 13 53 | 18 28 | 18 21 | 14 10 | 4 12 | 5 12 |
| S 28 | 15 55 | 25 52 | 4 22 | 21 49 | 1 37 | 24 52 | 1 47 | 24 33 | 1 38 | 12 22 | 0 58 | 22 5 | 1 15 | 4 57 | 0 39 | 6 27 | 1 53 | 2 48 | 13 53 | 18 31 | 18 22 | 14 7 | 4 12 | 5 12 |
| S 29 | 16 13 | 26 52 | 3 39 | 21 38 | 1 25 | 25 0 | 1 49 | 24 34 | 1 41 | 12 27 | 0 57 | 22 4 | 1 15 | 4 56 | 0 39 | 6 27 | 1 53 | 2 49 | 13 53 | 18 33 | 18 23 | 14 4 | 4 11 | 5 13 |
| M30 | 16n30 | 26n11 | 2n43 | 21n25 | 1n11 | 25n 7 | 1n51 | 24s36 | 1s44 | 12n31 | 0s57 | 22s 4 | 1n15 | 4s55 | 0n39 | 6s26 | 1n53 | 2n49 | 13s53 | 18s35 | 18s24 | 14s 1 | 4s10 | 5n13 |

Julian Day Number = 2135341.5, Delta T = 16m00s
Ecliptic obliquity = 23°33'12, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'13, Lahiri = 11°47'13 Julian Calendar 1 Apr. 1134 == Greg. Calendar 8 Apr. 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## MAY 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 59 41 | 16♉14'31 | 18♋34 | 29°R56 | 22♊27 | 13♏47 | 5♉46 | 22°R13 | 13°R54 | 20°R49 | 13♉58 | 7°R 4 | 7♒47 | 19♒42 | 6♓59 | T 1 |
| W 2 | 15 3 38 | 17°12'11 | 2♌38 | 29♉46 | 23°38 | 14° 5 | 6° 0 | 22♐10 | 13♎52 | 20♎48 | 13°59 | 7°D 3 | 7°44 | 19°49 | 7° 0 | W 2 |
| T 3 | 15 7 34 | 18° 9'50 | 16°44 | 29°32 | 24°48 | 14°22 | 6°14 | 22° 7 | 13°50 | 20°46 | 14° 1 | 7°R 3 | 7°40 | 19°56 | 7° 2 | T 3 |
| F 4 | 15 11 31 | 19° 7'27 | 0♍52 | 29°14 | 25°58 | 14°40 | 6°28 | 22° 3 | 13°48 | 20°45 | 14° 2 | 7♒ 3 | 7°37 | 20° 2 | 7° 4 | F 4 |
| S 5 | 15 15 28 | 20° 5'03 | 15° 0 | 28°52 | 27° 8 | 14°56 | 6°42 | 22° 0 | 13°46 | 20°44 | 14° 3 | 7° 1 | 7°34 | 20° 9 | 7° 6 | S 5 |
| S 6 | 15 19 24 | 21° 2'36 | 29° 8 | 28°27 | 28°18 | 15°12 | 6°56 | 21°57 | 13°44 | 20°42 | 14° 5 | 6°57 | 7°31 | 20°16 | 7° 7 | S 6 |
| M 7 | 15 23 21 | 22° 0'09 | 13♎12 | 28° 0 | 29°28 | 15°28 | 7°10 | 21°53 | 13°42 | 20°41 | 14° 6 | 6°50 | 7°28 | 20°22 | 7° 9 | M 7 |
| T 8 | 15 27 17 | 22°57'40 | 27°10 | 27°30 | 0♏38 | 15°43 | 7°24 | 21°50 | 13°40 | 20°40 | 14° 8 | 6°41 | 7°24 | 20°29 | 7°10 | T 8 |
| W 9 | 15 31 14 | 23°55'10 | 10♏56 | 26°58 | 1°48 | 15°58 | 7°38 | 21°46 | 13°38 | 20°38 | 14° 9 | 6°30 | 7°21 | 20°35 | 7°12 | W 9 |
| T 10 | 15 35 10 | 24°52'39 | 24°29 | 26°25 | 2°58 | 16°12 | 7°52 | 21°42 | 13°37 | 20°37 | 14°10 | 6°18 | 7°18 | 20°42 | 7°13 | T 10 |
| F 11 | 15 39 7 | 25°50'07 | 7♐44 | 25°51 | 4° 7 | 16°25 | 8° 6 | 21°39 | 13°35 | 20°36 | 14°12 | 6° 8 | 7°15 | 20°49 | 7°15 | F 11 |
| S 12 | 15 43 3 | 26°47'33 | 20°41 | 25°17 | 5°17 | 16°38 | 8°20 | 21°35 | 13°33 | 20°34 | 14°13 | 5°59 | 7°12 | 20°55 | 7°16 | S 12 |
| S 13 | 15 47 0 | 27°44'59 | 3♑19 | 24°44 | 6°26 | 16°50 | 8°34 | 21°31 | 13°32 | 20°33 | 14°14 | 5°52 | 7° 9 | 21° 2 | 7°17 | S 13 |
| M14 | 15 50 57 | 28°42'24 | 15°39 | 24°12 | 7°35 | 17° 2 | 8°47 | 21°27 | 13°30 | 20°32 | 14°16 | 5°48 | 7° 5 | 21° 9 | 7°18 | M14 |
| T 15 | 15 54 53 | 29°39'48 | 27°45 | 23°42 | 8°44 | 17°13 | 9° 1 | 21°23 | 13°29 | 20°31 | 14°17 | 5°46 | 7° 2 | 21°15 | 7°20 | T 15 |
| W16 | 15 58 50 | 0♊37'12 | 9♒40 | 23°13 | 9°53 | 17°23 | 9°15 | 21°19 | 13°27 | 20°30 | 14°18 | 5°D46 | 6°59 | 21°22 | 7°21 | W16 |
| T 17 | 16 2 46 | 1°34'34 | 21°30 | 22°47 | 11° 2 | 17°33 | 9°29 | 21°15 | 13°26 | 20°28 | 14°19 | 5°46 | 6°56 | 21°29 | 7°22 | T 17 |
| F 18 | 16 6 43 | 2°31'56 | 3♓19 | 22°25 | 12°11 | 17°42 | 9°42 | 21°11 | 13°24 | 20°27 | 14°21 | 5°R47 | 6°53 | 21°35 | 7°23 | F 18 |
| S 19 | 16 10 39 | 3°29'18 | 15°13 | 22° 5 | 13°20 | 17°51 | 9°56 | 21° 7 | 13°23 | 20°26 | 14°22 | 5°46 | 6°50 | 21°42 | 7°24 | S 19 |
| S 20 | 16 14 36 | 4°26'39 | 27°18 | 21°50 | 14°29 | 17°59 | 10° 9 | 21° 3 | 13°22 | 20°25 | 14°23 | 5°43 | 6°46 | 21°49 | 7°25 | S 20 |
| M21 | 16 18 32 | 5°23'59 | 9♈36 | 21°38 | 15°37 | 18° 6 | 10°23 | 20°59 | 13°20 | 20°24 | 14°25 | 5°38 | 6°43 | 21°55 | 7°25 | M21 |
| T 22 | 16 22 29 | 6°21'19 | 22°13 | 21°30 | 16°45 | 18°12 | 10°36 | 20°55 | 13°19 | 20°23 | 14°26 | 5°31 | 6°40 | 22° 2 | 7°26 | T 22 |
| W23 | 16 26 26 | 7°18'38 | 5♉11 | 21°D27 | 17°54 | 18°18 | 10°50 | 20°51 | 13°18 | 20°22 | 14°27 | 5°23 | 6°37 | 22° 9 | 7°27 | W23 |
| T 24 | 16 30 22 | 8°15'56 | 18°31 | 21°28 | 19° 2 | 18°23 | 11° 3 | 20°46 | 13°17 | 20°21 | 14°28 | 5°14 | 6°34 | 22°15 | 7°28 | T 24 |
| F 25 | 16 34 19 | 9°13'15 | 2♊11 | 21°34 | 20°10 | 18°27 | 11°17 | 20°42 | 13°16 | 20°20 | 14°30 | 5° 4 | 6°30 | 22°22 | 7°28 | F 25 |
| S 26 | 16 38 15 | 10°10'32 | 16° 8 | 21°44 | 21°18 | 18°31 | 11°30 | 20°38 | 13°15 | 20°19 | 14°31 | 4°56 | 6°27 | 22°29 | 7°29 | S 26 |
| S 27 | 16 42 12 | 11° 7'49 | 0♋19 | 21°59 | 22°25 | 18°33 | 11°43 | 20°33 | 13°14 | 20°18 | 14°32 | 4°50 | 6°24 | 22°35 | 7°29 | S 27 |
| M28 | 16 46 8 | 12° 5'06 | 14°38 | 22°18 | 23°33 | 18°35 | 11°57 | 20°29 | 13°13 | 20°17 | 14°33 | 4°46 | 6°21 | 22°42 | 7°30 | M28 |
| T 29 | 16 50 5 | 13° 2'21 | 29° 1 | 22°42 | 24°40 | 18°37 | 12°10 | 20°25 | 13°12 | 20°17 | 14°35 | 4°D44 | 6°18 | 22°49 | 7°30 | T 29 |
| W30 | 16 54 1 | 13°59'36 | 13♌22 | 23°11 | 25°48 | 18°R37 | 12°23 | 20°20 | 13°11 | 20°16 | 14°36 | 4°45 | 6°15 | 22°55 | 7°30 | W30 |
| T 31 | 16 57 58 | 14♊56'50 | 27♌40 | 23♉44 | 26♋55 | 18♏37 | 12♉36 | 20♐16 | 13♎10 | 20♎15 | 14♉37 | 4♒45 | 6♒11 | 23♒ 2 | 7♓31 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n47 | 23n51 | 1n36 | 21n10 | 0n58 | 25n13 | 1n53 | 24s37 | 1s47 | 12n36 | 0s57 | 22s 4 | 1n15 | 4s54 | 0n39 | 6s26 | 1n52 | 2n50 | 13s53 | 18s36 | 18s25 | 13s58 | 4s 9 | 5n13 |
| W 2 | 17 3 | 20 3 | 0 23 | 20 54 | 0 43 | 25 19 | 1 55 | 24 38 | 1 51 | 12 41 | 0 57 | 22 4 | 1 15 | 4 53 | 0 39 | 6 25 | 1 52 | 2 50 | 13 53 | 18 36 | 18 25 | 13 55 | 4 8 | 5 13 |
| T 3 | 17 19 | 15 5 | 0s51 | 20 35 | 0 27 | 25 23 | 1 56 | 24 40 | 1 54 | 12 46 | 0 57 | 22 4 | 1 15 | 4 53 | 0 39 | 6 25 | 1 52 | 2 50 | 13 53 | 18 36 | 18 26 | 13 52 | 4 7 | 5 13 |
| F 4 | 17 35 | 9 19 | 2 3 | 20 16 | 0 11 | 25 28 | 1 58 | 24 41 | 1 58 | 12 50 | 0 57 | 22 4 | 1 15 | 4 52 | 0 39 | 6 24 | 1 52 | 2 51 | 13 53 | 18 36 | 18 27 | 13 49 | 4 6 | 5 14 |
| S 5 | 17 51 | 3 4 | 3 7 | 19 55 | 0s 5 | 25 31 | 2 0 | 24 43 | 2 1 | 12 55 | 0 57 | 22 3 | 1 15 | 4 51 | 0 39 | 6 24 | 1 52 | 2 51 | 13 53 | 18 36 | 18 28 | 13 46 | 4 5 | 5 14 |
| S 6 | 18 6 | 3s18 | 3 59 | 19 33 | 0 23 | 25 34 | 2 1 | 24 45 | 2 5 | 13 0 | 0 57 | 22 3 | 1 15 | 4 51 | 0 39 | 6 23 | 1 52 | 2 51 | 13 53 | 18 37 | 18 29 | 13 43 | 4 4 | 5 14 |
| M 7 | 18 21 | 9 29 | 4 37 | 19 10 | 0 40 | 25 36 | 2 3 | 24 46 | 2 8 | 13 4 | 0 57 | 22 3 | 1 15 | 4 50 | 0 39 | 6 23 | 1 52 | 2 52 | 13 53 | 18 39 | 18 30 | 13 40 | 4 4 | 5 14 |
| T 8 | 18 36 | 15 8 | 4 58 | 18 46 | 0 57 | 25 37 | 2 4 | 24 48 | 2 12 | 13 9 | 0 57 | 22 3 | 1 15 | 4 49 | 0 39 | 6 22 | 1 52 | 2 52 | 13 53 | 18 42 | 18 30 | 13 37 | 4 3 | 5 15 |
| W 9 | 18 50 | 19 56 | 5 1 | 18 22 | 1 15 | 25 38 | 2 5 | 24 50 | 2 16 | 13 13 | 0 57 | 22 3 | 1 15 | 4 49 | 0 39 | 6 22 | 1 52 | 2 53 | 13 53 | 18 44 | 18 31 | 13 35 | 4 2 | 5 15 |
| T 10 | 19 5 | 23 37 | 4 47 | 17 57 | 1 32 | 25 37 | 2 6 | 24 52 | 2 19 | 13 18 | 0 57 | 22 2 | 1 15 | 4 48 | 0 39 | 6 21 | 1 52 | 2 53 | 13 53 | 18 47 | 18 32 | 13 32 | 4 1 | 5 15 |
| F 11 | 19 18 | 25 56 | 4 18 | 17 33 | 1 49 | 25 37 | 2 7 | 24 54 | 2 23 | 13 22 | 0 57 | 22 2 | 1 15 | 4 47 | 0 39 | 6 21 | 1 52 | 2 53 | 13 53 | 18 50 | 18 33 | 13 29 | 4 1 | 5 15 |
| S 12 | 19 32 | 26 48 | 3 36 | 17 9 | 2 5 | 25 35 | 2 8 | 24 57 | 2 27 | 13 27 | 0 57 | 22 2 | 1 15 | 4 47 | 0 39 | 6 20 | 1 52 | 2 54 | 13 53 | 18 52 | 18 34 | 13 26 | 4 0 | 5 16 |
| S 13 | 19 45 | 26 14 | 2 44 | 16 46 | 2 21 | 25 33 | 2 9 | 24 59 | 2 31 | 13 31 | 0 57 | 22 2 | 1 15 | 4 46 | 0 39 | 6 20 | 1 52 | 2 54 | 13 53 | 18 54 | 18 34 | 13 23 | 3 59 | 5 16 |
| M14 | 19 58 | 24 22 | 1 45 | 16 24 | 2 36 | 25 30 | 2 10 | 25 1 | 2 35 | 13 36 | 0 57 | 22 1 | 1 15 | 4 45 | 0 39 | 6 20 | 1 52 | 2 54 | 13 53 | 18 55 | 18 35 | 13 20 | 3 59 | 5 16 |
| T 15 | 20 10 | 21 24 | 0 43 | 16 3 | 2 50 | 25 26 | 2 11 | 25 4 | 2 39 | 13 40 | 0 57 | 22 1 | 1 15 | 4 45 | 0 39 | 6 19 | 1 52 | 2 55 | 13 53 | 18 55 | 18 36 | 13 17 | 3 58 | 5 16 |
| W16 | 20 23 | 17 35 | 0n21 | 15 43 | 3 2 | 25 22 | 2 12 | 25 6 | 2 43 | 13 44 | 0 57 | 22 1 | 1 15 | 4 44 | 0 39 | 6 19 | 1 52 | 2 55 | 13 53 | 18 55 | 18 37 | 13 14 | 3 57 | 5 17 |
| T 17 | 20 34 | 13 5 | 1 23 | 15 25 | 3 14 | 25 17 | 2 12 | 25 9 | 2 47 | 13 49 | 0 57 | 22 1 | 1 15 | 4 44 | 0 39 | 6 18 | 1 52 | 2 55 | 13 53 | 18 55 | 18 38 | 13 11 | 3 57 | 5 17 |
| F 18 | 20 46 | 8 8 | 2 22 | 15 9 | 3 25 | 25 11 | 2 13 | 25 12 | 2 51 | 13 53 | 0 57 | 22 0 | 1 15 | 4 43 | 0 39 | 6 18 | 1 52 | 2 56 | 13 54 | 18 55 | 18 38 | 13 8 | 3 56 | 5 17 |
| S 19 | 20 57 | 2 51 | 3 15 | 14 55 | 3 34 | 25 5 | 2 13 | 25 15 | 2 55 | 13 57 | 0 57 | 22 0 | 1 15 | 4 43 | 0 39 | 6 18 | 1 52 | 2 56 | 13 54 | 18 55 | 18 39 | 13 5 | 3 55 | 5 17 |
| S 20 | 21 8 | 2n35 | 4 0 | 14 43 | 3 43 | 24 58 | 2 13 | 25 18 | 2 59 | 14 2 | 0 57 | 22 0 | 1 15 | 4 42 | 0 39 | 6 17 | 1 52 | 2 56 | 13 54 | 18 56 | 18 40 | 13 2 | 3 55 | 5 18 |
| M21 | 21 18 | 8 1 | 4 35 | 14 34 | 3 50 | 24 50 | 2 13 | 25 21 | 3 4 | 14 6 | 0 57 | 22 0 | 1 15 | 4 42 | 0 39 | 6 17 | 1 52 | 2 56 | 13 54 | 18 57 | 18 41 | 12 59 | 3 54 | 5 18 |
| T 22 | 21 28 | 13 17 | 4 57 | 14 26 | 3 55 | 24 42 | 2 13 | 25 25 | 3 8 | 14 10 | 0 57 | 22 0 | 1 15 | 4 41 | 0 39 | 6 17 | 1 52 | 2 57 | 13 54 | 18 59 | 18 42 | 12 56 | 3 54 | 5 18 |
| W23 | 21 38 | 18 6 | 5 5 | 14 21 | 4 0 | 24 33 | 2 13 | 25 28 | 3 12 | 14 14 | 0 57 | 21 59 | 1 15 | 4 41 | 0 39 | 6 16 | 1 52 | 2 57 | 13 54 | 19 1 | 18 42 | 12 53 | 3 53 | 5 19 |
| T 24 | 21 47 | 22 10 | 4 57 | 14 18 | 4 3 | 24 24 | 2 13 | 25 32 | 3 17 | 14 19 | 0 57 | 21 59 | 1 15 | 4 41 | 0 39 | 6 16 | 1 52 | 2 57 | 13 54 | 19 3 | 18 43 | 12 50 | 3 53 | 5 19 |
| F 25 | 21 56 | 25 8 | 4 32 | 14 18 | 4 5 | 24 13 | 2 13 | 25 36 | 3 21 | 14 23 | 0 57 | 21 59 | 1 15 | 4 40 | 0 39 | 6 16 | 1 52 | 2 58 | 13 54 | 19 5 | 18 44 | 12 47 | 3 52 | 5 19 |
| S 26 | 22 5 | 26 39 | 3 50 | 14 19 | 4 6 | 24 2 | 2 13 | 25 40 | 3 26 | 14 27 | 0 57 | 21 59 | 1 15 | 4 40 | 0 38 | 6 15 | 1 52 | 2 58 | 13 54 | 19 7 | 18 45 | 12 44 | 3 52 | 5 19 |
| S 27 | 22 13 | 26 27 | 2 54 | 14 23 | 4 6 | 23 51 | 2 12 | 25 44 | 3 30 | 14 31 | 0 57 | 21 58 | 1 15 | 4 39 | 0 38 | 6 15 | 1 52 | 2 58 | 13 54 | 19 9 | 18 46 | 12 41 | 3 51 | 5 20 |
| M28 | 22 21 | 24 30 | 1 46 | 14 29 | 4 5 | 23 39 | 2 12 | 25 48 | 3 35 | 14 35 | 0 57 | 21 58 | 1 15 | 4 39 | 0 38 | 6 15 | 1 51 | 2 58 | 13 54 | 19 10 | 18 46 | 12 39 | 3 51 | 5 20 |
| T 29 | 22 28 | 20 57 | 0 31 | 14 38 | 4 2 | 23 26 | 2 11 | 25 52 | 3 39 | 14 39 | 0 57 | 21 58 | 1 15 | 4 39 | 0 38 | 6 14 | 1 51 | 2 59 | 13 54 | 19 10 | 18 47 | 12 36 | 3 51 | 5 20 |
| W30 | 22 35 | 16 9 | 0s46 | 14 48 | 3 59 | 23 13 | 2 10 | 25 57 | 3 44 | 14 43 | 0 57 | 21 58 | 1 15 | 4 39 | 0 38 | 6 14 | 1 51 | 2 59 | 13 55 | 19 10 | 18 48 | 12 33 | 3 50 | 5 20 |
| T 31 | 22n42 | 10n28 | 2s 0 | 15n 0 | 3s55 | 22n59 | 2n 9 | 26s 1 | 3s49 | 14n47 | 0s57 | 21s57 | 1n15 | 4s38 | 0n38 | 6s14 | 1n51 | 2n59 | 13s55 | 19s10 | 18s49 | 12s30 | 3s50 | 5n21 |

Julian Day Number = 2135371.5, Delta T = 16m00s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'17, Lahiri = 11°47'17 Julian Calendar 1 May 1134 == Greg. Calendar 8 May 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## JUNE 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 1 55 | 15♊54'03 | 11♍51 | 24♉21 | 28♋ 2 | 18°R36 | 12♉49 | 20°R12 | 13°R10 | 20°R14 | 14♉38 | 4°R46 | 6♒ 8 | 23♒ 8 | 7♓31 | F 1 |
| S 2 | 17 5 51 | 16°51'16 | 25°54 | 25° 2 | 29° 9 | 18♏35 | 13° 2 | 20♐ 7 | 13♎ 9 | 20♎13 | 14°39 | 4♒46 | 6° 5 | 23°15 | 7°31 | S 2 |
| S 3 | 17 9 48 | 17°48'27 | 9♎49 | 25°48 | 0♌16 | 18°32 | 13°15 | 20° 3 | 13° 8 | 20°13 | 14°41 | 4°44 | 6° 2 | 23°22 | 7°31 | S 3 |
| M 4 | 17 13 44 | 18°45'38 | 23°34 | 26°38 | 1°22 | 18°29 | 13°28 | 19°58 | 13° 8 | 20°12 | 14°42 | 4°40 | 5°59 | 23°28 | 7°R31 | M 4 |
| T 5 | 17 17 41 | 19°42'49 | 7♏ 7 | 27°32 | 2°28 | 18°25 | 13°40 | 19°54 | 13° 7 | 20°11 | 14°43 | 4°34 | 5°56 | 23°35 | 7°31 | T 5 |
| W 6 | 17 21 37 | 20°39'59 | 20°29 | 28°30 | 3°35 | 18°20 | 13°53 | 19°50 | 13° 7 | 20°11 | 14°44 | 4°27 | 5°52 | 23°42 | 7°31 | W 6 |
| T 7 | 17 25 34 | 21°37'09 | 3♐37 | 29°32 | 4°41 | 18°15 | 14° 6 | 19°45 | 13° 6 | 20°10 | 14°45 | 4°20 | 5°49 | 23°48 | 7°31 | T 7 |
| F 8 | 17 29 30 | 22°34'18 | 16°31 | 0♊38 | 5°47 | 18° 9 | 14°18 | 19°41 | 13° 6 | 20°10 | 14°46 | 4°13 | 5°46 | 23°55 | 7°31 | F 8 |
| S 9 | 17 33 27 | 23°31'27 | 29°11 | 1°48 | 6°52 | 18° 2 | 14°31 | 19°36 | 13° 6 | 20° 9 | 14°47 | 4° 8 | 5°43 | 24° 2 | 7°31 | S 9 |
| S 10 | 17 37 24 | 24°28'37 | 11♑36 | 3° 2 | 7°58 | 17°55 | 14°43 | 19°32 | 13° 5 | 20° 9 | 14°48 | 4° 4 | 5°40 | 24° 8 | 7°30 | S 10 |
| M11 | 17 41 20 | 25°25'46 | 23°48 | 4°19 | 9° 3 | 17°46 | 14°56 | 19°28 | 13° 5 | 20° 8 | 14°50 | 4° 2 | 5°36 | 24°15 | 7°30 | M11 |
| T 12 | 17 45 17 | 26°22'55 | 5♒49 | 5°40 | 10° 8 | 17°37 | 15° 8 | 19°23 | 13° 5 | 20° 8 | 14°51 | 4°D 1 | 5°33 | 24°22 | 7°30 | T 12 |
| W13 | 17 49 13 | 27°20'04 | 17°42 | 7° 5 | 11°13 | 17°28 | 15°20 | 19°19 | 13° 5 | 20° 7 | 14°52 | 4° 2 | 5°30 | 24°28 | 7°29 | W13 |
| T 14 | 17 53 10 | 28°17'13 | 29°31 | 8°34 | 12°18 | 17°18 | 15°33 | 19°14 | 13° 5 | 20° 7 | 14°53 | 4° 3 | 5°27 | 24°35 | 7°29 | T 14 |
| F 15 | 17 57 6 | 29°14'22 | 11♓20 | 10° 6 | 13°22 | 17° 7 | 15°45 | 19°10 | 13°D 5 | 20° 6 | 14°54 | 4° 5 | 5°24 | 24°42 | 7°28 | F 15 |
| S 16 | 18 1 3 | 0♋11'32 | 23°14 | 11°41 | 14°26 | 16°55 | 15°57 | 19° 6 | 13° 5 | 20° 6 | 14°55 | 4° 6 | 5°21 | 24°48 | 7°27 | S 16 |
| S 17 | 18 4 59 | 1° 8'42 | 5♈19 | 13°20 | 15°30 | 16°43 | 16° 9 | 19° 1 | 13° 5 | 20° 6 | 14°56 | 4°R 6 | 5°17 | 24°55 | 7°27 | S 17 |
| M18 | 18 8 56 | 2° 5'52 | 17°38 | 15° 3 | 16°34 | 16°30 | 16°21 | 18°57 | 13° 5 | 20° 6 | 14°57 | 4° 5 | 5°14 | 25° 2 | 7°26 | M18 |
| T 19 | 18 12 53 | 3° 3'03 | 0♉16 | 16°48 | 17°38 | 16°17 | 16°32 | 18°53 | 13° 5 | 20° 5 | 14°58 | 4° 3 | 5°11 | 25° 8 | 7°25 | T 19 |
| W20 | 18 16 49 | 4° 0'14 | 13°16 | 18°37 | 18°41 | 16° 3 | 16°44 | 18°49 | 13° 5 | 20° 5 | 14°59 | 3°59 | 5° 8 | 25°15 | 7°24 | W20 |
| T 21 | 18 20 46 | 4°57'26 | 26°41 | 20°29 | 19°44 | 15°49 | 16°56 | 18°45 | 13° 6 | 20° 5 | 15° 0 | 3°55 | 5° 5 | 25°22 | 7°24 | T 21 |
| F 22 | 18 24 42 | 5°54'38 | 10♊31 | 22°23 | 20°47 | 15°35 | 17° 7 | 18°41 | 13° 6 | 20° 5 | 15° 1 | 3°51 | 5° 2 | 25°28 | 7°23 | F 22 |
| S 23 | 18 28 39 | 6°51'51 | 24°43 | 24°21 | 21°49 | 15°19 | 17°19 | 18°36 | 13° 6 | 20° 5 | 15° 1 | 3°47 | 4°58 | 25°35 | 7°22 | S 23 |
| S 24 | 18 32 35 | 7°49'04 | 9♋13 | 26°20 | 22°52 | 15° 4 | 17°30 | 18°32 | 13° 7 | 20° 5 | 15° 2 | 3°44 | 4°55 | 25°42 | 7°21 | S 24 |
| M25 | 18 36 32 | 8°46'18 | 23°55 | 28°22 | 23°54 | 14°48 | 17°42 | 18°28 | 13° 7 | 20° 5 | 15° 3 | 3°43 | 4°52 | 25°48 | 7°19 | M25 |
| T 26 | 18 40 29 | 9°43'31 | 8♌42 | 0♋25 | 24°55 | 14°32 | 17°53 | 18°24 | 13° 8 | 20°D 5 | 15° 4 | 3°D43 | 4°49 | 25°55 | 7°18 | T 26 |
| W27 | 18 44 25 | 10°40'45 | 23°26 | 2°30 | 25°57 | 14°16 | 18° 4 | 18°20 | 13° 8 | 20° 5 | 15° 5 | 3°44 | 4°46 | 26° 1 | 7°17 | W27 |
| T 28 | 18 48 22 | 11°37'59 | 8♍ 3 | 4°36 | 26°58 | 14° 0 | 18°15 | 18°17 | 13° 9 | 20° 5 | 15° 6 | 3°45 | 4°42 | 26° 8 | 7°16 | T 28 |
| F 29 | 18 52 18 | 12°35'13 | 22°28 | 6°43 | 27°59 | 13°43 | 18°26 | 18°13 | 13°10 | 20° 5 | 15° 7 | 3°46 | 4°39 | 26°15 | 7°15 | F 29 |
| S 30 | 18 56 15 | 13♋32'27 | 6♎37 | 8♋51 | 28♌59 | 13♏26 | 18♉37 | 18♐ 9 | 13♎11 | 20♎ 5 | 15♉ 7 | 3♒47 | 4♒36 | 26♒21 | 7♓13 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n48 | 4n17 | 3s 6 | 15n14 | 3s50 | 22n45 | 2n 8 | 26s 6 | 3s53 | 14n51 | 0s57 | 21s57 | 1n14 | 4s38 | 0n38 | 6s14 | 1n51 | 2n59 | 13s55 | 19s10 | 18s50 | 12s27 | 3s50 | 5n21 |
| S 2 | 22 54 | 2s 3 | 4 1 | 15 29 | 3 44 | 22 30 | 2 7 | 26 11 | 3 58 | 14 55 | 0 57 | 21 57 | 1 14 | 4 38 | 0 38 | 6 13 | 1 51 | 2 59 | 13 55 | 19 10 | 18 50 | 12 24 | 3 49 | 5 21 |
| S 3 | 22 59 | 8 11 | 4 40 | 15 47 | 3 37 | 22 14 | 2 6 | 26 16 | 4 2 | 14 59 | 0 57 | 21 57 | 1 14 | 4 38 | 0 38 | 6 13 | 1 51 | 3 0 | 13 55 | 19 10 | 18 51 | 12 21 | 3 49 | 5 21 |
| M 4 | 23 4 | 13 52 | 5 3 | 16 5 | 3 30 | 21 58 | 2 4 | 26 21 | 4 7 | 15 3 | 0 57 | 21 56 | 1 14 | 4 37 | 0 38 | 6 13 | 1 51 | 3 0 | 13 55 | 19 11 | 18 52 | 12 18 | 3 49 | 5 22 |
| T 5 | 23 9 | 18 48 | 5 8 | 16 25 | 3 22 | 21 42 | 2 3 | 26 26 | 4 12 | 15 6 | 0 57 | 21 56 | 1 14 | 4 37 | 0 38 | 6 13 | 1 51 | 3 0 | 13 55 | 19 13 | 18 53 | 12 15 | 3 48 | 5 22 |
| W 6 | 23 13 | 22 43 | 4 57 | 16 46 | 3 13 | 21 25 | 2 1 | 26 31 | 4 16 | 15 10 | 0 57 | 21 56 | 1 14 | 4 37 | 0 38 | 6 13 | 1 51 | 3 0 | 13 55 | 19 14 | 18 54 | 12 12 | 3 48 | 5 22 |
| T 7 | 23 17 | 25 23 | 4 30 | 17 9 | 3 4 | 21 7 | 2 0 | 26 37 | 4 21 | 15 14 | 0 57 | 21 55 | 1 14 | 4 37 | 0 38 | 6 12 | 1 51 | 3 0 | 13 56 | 19 16 | 18 54 | 12 9 | 3 48 | 5 22 |
| F 8 | 23 21 | 26 40 | 3 49 | 17 32 | 2 55 | 20 49 | 1 58 | 26 42 | 4 26 | 15 18 | 0 57 | 21 55 | 1 14 | 4 37 | 0 38 | 6 12 | 1 51 | 3 1 | 13 56 | 19 18 | 18 55 | 12 6 | 3 48 | 5 23 |
| S 9 | 23 24 | 26 31 | 2 58 | 17 56 | 2 44 | 20 31 | 1 56 | 26 48 | 4 30 | 15 21 | 0 57 | 21 55 | 1 14 | 4 37 | 0 38 | 6 12 | 1 51 | 3 1 | 13 56 | 19 19 | 18 56 | 12 3 | 3 48 | 5 23 |
| S 10 | 23 26 | 25 1 | 1 59 | 18 21 | 2 34 | 20 12 | 1 54 | 26 53 | 4 35 | 15 25 | 0 58 | 21 55 | 1 14 | 4 37 | 0 38 | 6 12 | 1 51 | 3 1 | 13 56 | 19 20 | 18 57 | 12 0 | 3 48 | 5 23 |
| M11 | 23 28 | 22 21 | 0 55 | 18 46 | 2 23 | 19 52 | 1 52 | 26 59 | 4 39 | 15 29 | 0 58 | 21 54 | 1 14 | 4 37 | 0 38 | 6 12 | 1 51 | 3 1 | 13 56 | 19 20 | 18 57 | 11 57 | 3 47 | 5 23 |
| T 12 | 23 30 | 18 45 | 0n10 | 19 12 | 2 11 | 19 32 | 1 49 | 27 4 | 4 44 | 15 32 | 0 58 | 21 54 | 1 14 | 4 37 | 0 38 | 6 12 | 1 51 | 3 1 | 13 56 | 19 21 | 18 58 | 11 54 | 3 47 | 5 24 |
| W13 | 23 32 | 14 26 | 1 14 | 19 38 | 1 59 | 19 12 | 1 47 | 27 10 | 4 48 | 15 36 | 0 58 | 21 54 | 1 13 | 4 37 | 0 38 | 6 12 | 1 51 | 3 1 | 13 56 | 19 20 | 18 59 | 11 51 | 3 47 | 5 24 |
| T 14 | 23 33 | 9 35 | 2 15 | 20 4 | 1 47 | 18 52 | 1 44 | 27 16 | 4 52 | 15 39 | 0 58 | 21 54 | 1 13 | 4 37 | 0 38 | 6 12 | 1 51 | 3 1 | 13 57 | 19 20 | 19 0 | 11 48 | 3 47 | 5 24 |
| F 15 | 23 33 | 4 25 | 3 10 | 20 30 | 1 35 | 18 30 | 1 41 | 27 21 | 4 57 | 15 43 | 0 58 | 21 53 | 1 13 | 4 37 | 0 38 | 6 11 | 1 51 | 3 2 | 13 57 | 19 20 | 19 1 | 11 45 | 3 47 | 5 25 |
| S 16 | 23 33 | 0n56 | 3 57 | 20 56 | 1 23 | 18 9 | 1 39 | 27 27 | 5 1 | 15 46 | 0 58 | 21 53 | 1 13 | 4 37 | 0 38 | 6 11 | 1 50 | 3 2 | 13 57 | 19 19 | 19 1 | 11 42 | 3 47 | 5 25 |
| S 17 | 23 33 | 6 19 | 4 35 | 21 21 | 1 10 | 17 47 | 1 36 | 27 33 | 5 5 | 15 49 | 0 58 | 21 53 | 1 13 | 4 37 | 0 38 | 6 11 | 1 50 | 3 2 | 13 57 | 19 19 | 19 2 | 11 39 | 3 47 | 5 25 |
| M18 | 23 32 | 11 34 | 5 0 | 21 45 | 0 58 | 17 25 | 1 33 | 27 38 | 5 9 | 15 53 | 0 58 | 21 53 | 1 13 | 4 37 | 0 38 | 6 11 | 1 50 | 3 2 | 13 57 | 19 20 | 19 3 | 11 36 | 3 47 | 5 25 |
| T 19 | 23 31 | 16 29 | 5 12 | 22 8 | 0 46 | 17 2 | 1 29 | 27 44 | 5 13 | 15 56 | 0 58 | 21 52 | 1 13 | 4 37 | 0 38 | 6 11 | 1 50 | 3 2 | 13 58 | 19 20 | 19 4 | 11 33 | 3 47 | 5 25 |
| W20 | 23 30 | 20 48 | 5 9 | 22 31 | 0 33 | 16 40 | 1 26 | 27 50 | 5 17 | 16 0 | 0 58 | 21 52 | 1 13 | 4 37 | 0 38 | 6 11 | 1 50 | 3 2 | 13 58 | 19 21 | 19 4 | 11 30 | 3 47 | 5 26 |
| T 21 | 23 28 | 24 11 | 4 49 | 22 52 | 0 21 | 16 16 | 1 22 | 27 55 | 5 21 | 16 3 | 0 58 | 21 52 | 1 13 | 4 37 | 0 37 | 6 11 | 1 50 | 3 2 | 13 58 | 19 22 | 19 5 | 11 27 | 3 48 | 5 26 |
| F 22 | 23 25 | 26 17 | 4 12 | 23 11 | 0 9 | 15 53 | 1 19 | 28 1 | 5 25 | 16 6 | 0 58 | 21 52 | 1 13 | 4 37 | 0 37 | 6 11 | 1 50 | 3 2 | 13 58 | 19 23 | 19 6 | 11 24 | 3 48 | 5 26 |
| S 23 | 23 22 | 26 45 | 3 18 | 23 28 | 0n 3 | 15 29 | 1 15 | 28 6 | 5 28 | 16 9 | 0 58 | 21 52 | 1 12 | 4 38 | 0 37 | 6 11 | 1 50 | 3 2 | 13 58 | 19 24 | 19 7 | 11 21 | 3 48 | 5 26 |
| S 24 | 23 19 | 25 24 | 2 11 | 23 44 | 0 14 | 15 5 | 1 11 | 28 11 | 5 32 | 16 12 | 0 58 | 21 51 | 1 12 | 4 38 | 0 37 | 6 11 | 1 50 | 3 2 | 13 58 | 19 24 | 19 8 | 11 18 | 3 48 | 5 27 |
| M25 | 23 16 | 22 18 | 0 54 | 23 57 | 0 25 | 14 40 | 1 7 | 28 16 | 5 35 | 16 15 | 0 58 | 21 51 | 1 12 | 4 38 | 0 37 | 6 11 | 1 50 | 3 2 | 13 59 | 19 25 | 19 8 | 11 15 | 3 48 | 5 27 |
| T 26 | 23 12 | 17 44 | 0s27 | 24 8 | 0 35 | 14 16 | 1 3 | 28 21 | 5 38 | 16 19 | 0 58 | 21 51 | 1 12 | 4 38 | 0 37 | 6 11 | 1 50 | 3 2 | 13 59 | 19 25 | 19 9 | 11 12 | 3 48 | 5 27 |
| W27 | 23 7 | 12 6 | 1 47 | 24 17 | 0 45 | 13 51 | 0 59 | 28 26 | 5 41 | 16 22 | 0 58 | 21 51 | 1 12 | 4 38 | 0 37 | 6 11 | 1 50 | 3 2 | 13 59 | 19 25 | 19 10 | 11 9 | 3 49 | 5 27 |
| T 28 | 23 2 | 5 50 | 2 58 | 24 22 | 0 54 | 13 26 | 0 54 | 28 31 | 5 44 | 16 25 | 0 58 | 21 50 | 1 12 | 4 39 | 0 37 | 6 11 | 1 50 | 3 2 | 13 59 | 19 24 | 19 11 | 11 6 | 3 49 | 5 28 |
| F 29 | 22 57 | 0s38 | 3 57 | 24 25 | 1 3 | 13 0 | 0 50 | 28 35 | 5 47 | 16 28 | 0 58 | 21 50 | 1 12 | 4 39 | 0 37 | 6 12 | 1 50 | 3 2 | 14 0 | 19 24 | 19 11 | 11 3 | 3 49 | 5 28 |
| S 30 | 22n52 | 6s56 | 4s41 | 24n26 | 1n11 | 12n35 | 0n45 | 28s40 | 5s49 | 16n31 | 0s58 | 21s50 | 1n12 | 4s39 | 0n37 | 6s12 | 1n50 | 3n 2 | 14s 0 | 19s24 | 19s12 | 11s 0 | 3s49 | 5n28 |

Julian Day Number = 2135402.5, Delta T = 16m00s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'21, Lahiri = 11°47'21 Julian Calendar 1 June 1134 == Greg. Calendar 8 June 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## JULY 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 0 11 | 14♋29'41 | 20♎28 | 10♋59 | 29♌59 | 13°R10 | 18♉48 | 18°R 5 | 13♎11 | 20♎ 5 | 15♉ 8 | 3°R47 | 4♒33 | 26♒28 | 7°R12 | S 1 |
| M 2 | 19 4 8 | 15°26'56 | 4♏ 3 | 13° 7 | 0♍59 | 12♑53 | 18°58 | 18♐ 2 | 13°12 | 20° 5 | 15° 9 | 3♒46 | 4°30 | 26°35 | 7♓10 | M 2 |
| T 3 | 19 8 4 | 16°24'11 | 17°21 | 15°15 | 1°59 | 12°36 | 19° 9 | 17°58 | 13°13 | 20° 6 | 15°10 | 3°45 | 4°27 | 26°41 | 7° 9 | T 3 |
| W 4 | 19 12 1 | 17°21'27 | 0♐23 | 17°22 | 2°58 | 12°20 | 19°19 | 17°54 | 13°14 | 20° 6 | 15°10 | 3°42 | 4°23 | 26°48 | 7° 7 | W 4 |
| T 5 | 19 15 58 | 18°18'43 | 13°10 | 19°28 | 3°57 | 12° 3 | 19°30 | 17°51 | 13°15 | 20° 6 | 15°11 | 3°40 | 4°20 | 26°55 | 7° 6 | T 5 |
| F 6 | 19 19 54 | 19°15'59 | 25°44 | 21°34 | 4°55 | 11°47 | 19°40 | 17°47 | 13°16 | 20° 6 | 15°12 | 3°38 | 4°17 | 27° 1 | 7° 4 | F 6 |
| S 7 | 19 23 51 | 20°13'16 | 8♑ 6 | 23°39 | 5°53 | 11°31 | 19°50 | 17°44 | 13°17 | 20° 7 | 15°12 | 3°37 | 4°14 | 27° 8 | 7° 2 | S 7 |
| S 8 | 19 27 47 | 21°10'34 | 20°17 | 25°42 | 6°50 | 11°15 | 20° 0 | 17°41 | 13°19 | 20° 7 | 15°13 | 3°36 | 4°11 | 27°15 | 7° 1 | S 8 |
| M 9 | 19 31 44 | 22° 7'53 | 2♒19 | 27°44 | 7°47 | 11° 0 | 20°10 | 17°37 | 13°20 | 20° 8 | 15°14 | 3°D35 | 4° 8 | 27°21 | 6°59 | M 9 |
| T 10 | 19 35 40 | 23° 5'12 | 14°14 | 29°45 | 8°44 | 10°45 | 20°20 | 17°34 | 13°21 | 20° 8 | 15°14 | 3°35 | 4° 4 | 27°28 | 6°57 | T 10 |
| W11 | 19 39 37 | 24° 2'32 | 26° 4 | 1♌44 | 9°40 | 10°30 | 20°29 | 17°31 | 13°22 | 20° 8 | 15°15 | 3°36 | 4° 1 | 27°35 | 6°55 | W11 |
| T 12 | 19 43 33 | 24°59'53 | 7♓52 | 3°42 | 10°36 | 10°16 | 20°39 | 17°28 | 13°24 | 20° 9 | 15°16 | 3°37 | 3°58 | 27°41 | 6°53 | T 12 |
| F 13 | 19 47 30 | 25°57'16 | 19°42 | 5°38 | 11°31 | 10° 2 | 20°49 | 17°25 | 13°25 | 20°10 | 15°16 | 3°38 | 3°55 | 27°48 | 6°51 | F 13 |
| S 14 | 19 51 27 | 26°54'39 | 1♈37 | 7°33 | 12°25 | 9°49 | 20°58 | 17°22 | 13°27 | 20°10 | 15°17 | 3°38 | 3°52 | 27°55 | 6°49 | S 14 |
| S 15 | 19 55 23 | 27°52'04 | 13°40 | 9°26 | 13°19 | 9°36 | 21° 7 | 17°19 | 13°28 | 20°11 | 15°17 | 3°39 | 3°48 | 28° 1 | 6°47 | S 15 |
| M16 | 19 59 20 | 28°49'29 | 25°58 | 11°18 | 14°13 | 9°23 | 21°16 | 17°17 | 13°30 | 20°11 | 15°18 | 3°R39 | 3°45 | 28° 8 | 6°45 | M16 |
| T 17 | 20 3 16 | 29°46'57 | 8♉33 | 13° 8 | 15° 6 | 9°12 | 21°25 | 17°14 | 13°31 | 20°12 | 15°18 | 3°39 | 3°42 | 28°15 | 6°43 | T 17 |
| W18 | 20 7 13 | 0♌44'25 | 21°31 | 14°56 | 15°58 | 9° 1 | 21°34 | 17°11 | 13°33 | 20°13 | 15°19 | 3°39 | 3°39 | 28°21 | 6°41 | W18 |
| T 19 | 20 11 9 | 1°41'55 | 4♊53 | 16°43 | 16°50 | 8°50 | 21°43 | 17° 9 | 13°35 | 20°13 | 15°19 | 3°39 | 3°36 | 28°28 | 6°39 | T 19 |
| F 20 | 20 15 6 | 2°39'26 | 18°41 | 18°28 | 17°42 | 8°41 | 21°52 | 17° 6 | 13°36 | 20°14 | 15°20 | 3°38 | 3°33 | 28°35 | 6°36 | F 20 |
| S 21 | 20 19 2 | 3°36'59 | 2♋55 | 20°12 | 18°32 | 8°32 | 22° 0 | 17° 4 | 13°38 | 20°15 | 15°20 | 3°D38 | 3°29 | 28°41 | 6°34 | S 21 |
| S 22 | 20 22 59 | 4°34'33 | 17°33 | 21°54 | 19°22 | 8°23 | 22° 8 | 17° 2 | 13°40 | 20°16 | 15°20 | 3°38 | 3°26 | 28°48 | 6°32 | S 22 |
| M23 | 20 26 56 | 5°32'08 | 2♌27 | 23°34 | 20°11 | 8°16 | 22°17 | 16°59 | 13°42 | 20°17 | 15°21 | 3°R39 | 3°23 | 28°55 | 6°30 | M23 |
| T 24 | 20 30 52 | 6°29'45 | 17°32 | 25°13 | 21° 0 | 8° 9 | 22°25 | 16°57 | 13°44 | 20°18 | 15°21 | 3°38 | 3°20 | 29° 1 | 6°27 | T 24 |
| W25 | 20 34 49 | 7°27'22 | 2♍37 | 26°51 | 21°47 | 8° 3 | 22°33 | 16°55 | 13°46 | 20°18 | 15°21 | 3°38 | 3°17 | 29° 8 | 6°25 | W25 |
| T 26 | 20 38 45 | 8°25'01 | 17°35 | 28°27 | 22°34 | 7°58 | 22°41 | 16°53 | 13°48 | 20°19 | 15°22 | 3°38 | 3°14 | 29°15 | 6°22 | T 26 |
| F 27 | 20 42 42 | 9°22'40 | 2♎17 | 0♍ 2 | 23°21 | 7°54 | 22°48 | 16°52 | 13°50 | 20°20 | 15°22 | 3°37 | 3°10 | 29°21 | 6°20 | F 27 |
| S 28 | 20 46 38 | 10°20'21 | 16°39 | 1°35 | 24° 6 | 7°50 | 22°56 | 16°50 | 13°52 | 20°21 | 15°22 | 3°37 | 3° 7 | 29°28 | 6°17 | S 28 |
| S 29 | 20 50 35 | 11°18'03 | 0♏37 | 3° 6 | 24°50 | 7°47 | 23° 3 | 16°48 | 13°54 | 20°22 | 15°22 | 3°36 | 3° 4 | 29°35 | 6°15 | S 29 |
| M30 | 20 54 31 | 12°15'46 | 14°11 | 4°36 | 25°34 | 7°45 | 23°10 | 16°47 | 13°57 | 20°23 | 15°23 | 3°D36 | 3° 1 | 29°41 | 6°12 | M30 |
| T 31 | 20 58 28 | 13♌13'30 | 27♏23 | 6♍ 4 | 26♍16 | 7♑44 | 23♉17 | 16♐45 | 13♎59 | 20♎25 | 15♉23 | 3♒36 | 2♒58 | 29♒48 | 6♓10 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n46 | 12s46 | 5s 7 | 24n23 | 1n18 | 12n 9 | 0n40 | 28s44 | 5s52 | 16n33 | 0s59 | 21s50 | 1n11 | 4s40 | 0n37 | 6s12 | 1n50 | 3n 2 | 14s 0 | 19s24 | 19s13 | 10s57 | 3s50 | 5n28 |
| M 2 | 22 39 | 17 52 | 5 16 | 24 18 | 1 24 | 11 43 | 0 35 | 28 48 | 5 54 | 16 36 | 0 59 | 21 50 | 1 11 | 4 40 | 0 37 | 6 12 | 1 50 | 3 2 | 14 0 | 19 24 | 19 14 | 10 53 | 3 50 | 5 28 |
| T 3 | 22 32 | 21 59 | 5 7 | 24 10 | 1 30 | 11 17 | 0 30 | 28 52 | 5 56 | 16 39 | 0 59 | 21 49 | 1 11 | 4 41 | 0 37 | 6 12 | 1 50 | 3 2 | 14 0 | 19 24 | 19 14 | 10 50 | 3 50 | 5 29 |
| W 4 | 22 25 | 24 55 | 4 42 | 23 59 | 1 35 | 10 51 | 0 25 | 28 55 | 5 58 | 16 42 | 0 59 | 21 49 | 1 11 | 4 41 | 0 37 | 6 12 | 1 49 | 3 2 | 14 1 | 19 25 | 19 15 | 10 47 | 3 51 | 5 29 |
| T 5 | 22 18 | 26 31 | 4 4 | 23 45 | 1 39 | 10 25 | 0 19 | 28 59 | 6 0 | 16 45 | 0 59 | 21 49 | 1 11 | 4 41 | 0 37 | 6 12 | 1 49 | 3 2 | 14 1 | 19 25 | 19 16 | 10 44 | 3 51 | 5 29 |
| F 6 | 22 10 | 26 43 | 3 14 | 23 30 | 1 42 | 9 58 | 0 14 | 29 2 | 6 1 | 16 47 | 0 59 | 21 49 | 1 11 | 4 42 | 0 37 | 6 13 | 1 49 | 3 2 | 14 1 | 19 26 | 19 17 | 10 41 | 3 52 | 5 29 |
| S 7 | 22 1 | 25 35 | 2 17 | 23 11 | 1 45 | 9 31 | 0 8 | 29 5 | 6 3 | 16 50 | 0 59 | 21 49 | 1 11 | 4 42 | 0 37 | 6 13 | 1 49 | 3 2 | 14 1 | 19 26 | 19 17 | 10 38 | 3 52 | 5 29 |
| S 8 | 21 53 | 23 13 | 1 13 | 22 51 | 1 46 | 9 5 | 0 2 | 29 7 | 6 4 | 16 53 | 0 59 | 21 49 | 1 10 | 4 43 | 0 37 | 6 13 | 1 49 | 3 2 | 14 2 | 19 27 | 19 18 | 10 35 | 3 53 | 5 30 |
| M 9 | 21 44 | 19 51 | 0 7 | 22 28 | 1 48 | 8 38 | 0s 4 | 29 10 | 6 5 | 16 55 | 0 59 | 21 48 | 1 10 | 4 43 | 0 37 | 6 13 | 1 49 | 3 2 | 14 2 | 19 27 | 19 19 | 10 32 | 3 53 | 5 30 |
| T 10 | 21 34 | 15 42 | 0n59 | 22 3 | 1 48 | 8 11 | 0 10 | 29 12 | 6 6 | 16 58 | 0 59 | 21 48 | 1 10 | 4 44 | 0 37 | 6 13 | 1 49 | 3 2 | 14 2 | 19 27 | 19 20 | 10 29 | 3 53 | 5 30 |
| W11 | 21 24 | 10 59 | 2 2 | 21 37 | 1 48 | 7 44 | 0 16 | 29 14 | 6 7 | 17 0 | 0 59 | 21 48 | 1 10 | 4 44 | 0 37 | 6 14 | 1 49 | 3 2 | 14 2 | 19 26 | 19 21 | 10 26 | 3 54 | 5 30 |
| T 12 | 21 14 | 5 53 | 2 59 | 21 9 | 1 47 | 7 17 | 0 22 | 29 15 | 6 7 | 17 3 | 0 59 | 21 48 | 1 10 | 4 45 | 0 37 | 6 14 | 1 49 | 3 2 | 14 2 | 19 26 | 19 21 | 10 23 | 3 55 | 5 30 |
| F 13 | 21 3 | 0 35 | 3 49 | 20 39 | 1 46 | 6 50 | 0 29 | 29 17 | 6 8 | 17 5 | 0 59 | 21 48 | 1 10 | 4 46 | 0 37 | 6 14 | 1 49 | 3 2 | 14 3 | 19 26 | 19 22 | 10 20 | 3 55 | 5 31 |
| S 14 | 20 52 | 4n45 | 4 29 | 20 8 | 1 44 | 6 23 | 0 36 | 29 18 | 6 8 | 17 8 | 1 0 | 21 48 | 1 9 | 4 46 | 0 37 | 6 14 | 1 49 | 3 2 | 14 3 | 19 26 | 19 23 | 10 17 | 3 56 | 5 31 |
| S 15 | 20 41 | 10 0 | 4 59 | 19 36 | 1 41 | 5 56 | 0 42 | 29 19 | 6 8 | 17 10 | 1 0 | 21 48 | 1 9 | 4 47 | 0 37 | 6 15 | 1 49 | 3 2 | 14 3 | 19 26 | 19 24 | 10 14 | 3 56 | 5 31 |
| M16 | 20 30 | 14 57 | 5 15 | 19 2 | 1 38 | 5 29 | 0 49 | 29 20 | 6 8 | 17 12 | 1 0 | 21 48 | 1 9 | 4 47 | 0 36 | 6 15 | 1 49 | 3 2 | 14 3 | 19 26 | 19 24 | 10 11 | 3 57 | 5 31 |
| T 17 | 20 18 | 19 24 | 5 16 | 18 28 | 1 34 | 5 2 | 0 56 | 29 21 | 6 8 | 17 14 | 1 0 | 21 48 | 1 9 | 4 48 | 0 36 | 6 15 | 1 49 | 3 2 | 14 4 | 19 26 | 19 25 | 10 8 | 3 57 | 5 31 |
| W18 | 20 5 | 23 5 | 5 2 | 17 52 | 1 30 | 4 35 | 1 4 | 29 21 | 6 7 | 17 17 | 1 0 | 21 47 | 1 9 | 4 49 | 0 36 | 6 16 | 1 49 | 3 1 | 14 4 | 19 26 | 19 26 | 10 5 | 3 58 | 5 31 |
| T 19 | 19 53 | 25 40 | 4 32 | 17 16 | 1 26 | 4 8 | 1 11 | 29 21 | 6 7 | 17 19 | 1 0 | 21 47 | 1 9 | 4 50 | 0 36 | 6 16 | 1 49 | 3 1 | 14 4 | 19 26 | 19 26 | 10 2 | 3 59 | 5 32 |
| F 20 | 19 40 | 26 48 | 3 45 | 16 39 | 1 21 | 3 41 | 1 18 | 29 21 | 6 6 | 17 21 | 1 0 | 21 47 | 1 9 | 4 50 | 0 36 | 6 16 | 1 49 | 3 1 | 14 4 | 19 26 | 19 27 | 9 59 | 3 59 | 5 32 |
| S 21 | 19 26 | 26 14 | 2 43 | 16 1 | 1 16 | 3 14 | 1 26 | 29 21 | 6 5 | 17 23 | 1 0 | 21 47 | 1 8 | 4 51 | 0 36 | 6 17 | 1 48 | 3 1 | 14 5 | 19 26 | 19 28 | 9 56 | 4 0 | 5 32 |
| S 22 | 19 13 | 23 51 | 1 28 | 15 23 | 1 10 | 2 47 | 1 34 | 29 21 | 6 4 | 17 25 | 1 0 | 21 47 | 1 8 | 4 52 | 0 36 | 6 17 | 1 48 | 3 1 | 14 5 | 19 26 | 19 29 | 9 53 | 4 1 | 5 32 |
| M23 | 18 59 | 19 49 | 0 7 | 14 44 | 1 4 | 2 21 | 1 42 | 29 20 | 6 3 | 17 27 | 1 0 | 21 47 | 1 8 | 4 52 | 0 36 | 6 17 | 1 48 | 3 1 | 14 5 | 19 26 | 19 29 | 9 50 | 4 2 | 5 32 |
| T 24 | 18 44 | 14 26 | 1s16 | 14 5 | 0 58 | 1 54 | 1 50 | 29 19 | 6 2 | 17 29 | 1 0 | 21 47 | 1 8 | 4 53 | 0 36 | 6 18 | 1 48 | 3 1 | 14 6 | 19 26 | 19 30 | 9 46 | 4 2 | 5 32 |
| W25 | 18 30 | 8 12 | 2 34 | 13 25 | 0 51 | 1 28 | 1 58 | 29 18 | 6 1 | 17 31 | 1 1 | 21 47 | 1 8 | 4 54 | 0 36 | 6 18 | 1 48 | 3 1 | 14 6 | 19 26 | 19 31 | 9 43 | 4 3 | 5 32 |
| T 26 | 18 15 | 1 33 | 3 41 | 12 45 | 0 44 | 1 2 | 2 6 | 29 17 | 5 59 | 17 33 | 1 1 | 21 47 | 1 8 | 4 55 | 0 36 | 6 18 | 1 48 | 3 0 | 14 6 | 19 26 | 19 32 | 9 40 | 4 4 | 5 32 |
| F 27 | 17 59 | 5s 3 | 4 31 | 12 5 | 0 37 | 0 36 | 2 15 | 29 16 | 5 58 | 17 35 | 1 1 | 21 47 | 1 7 | 4 56 | 0 36 | 6 19 | 1 48 | 3 0 | 14 6 | 19 26 | 19 32 | 9 37 | 4 5 | 5 32 |
| S 28 | 17 44 | 11 14 | 5 4 | 11 25 | 0 29 | 0 10 | 2 23 | 29 14 | 5 56 | 17 37 | 1 1 | 21 47 | 1 7 | 4 57 | 0 36 | 6 19 | 1 48 | 3 0 | 14 7 | 19 26 | 19 33 | 9 34 | 4 6 | 5 33 |
| S 29 | 17 28 | 16 41 | 5 17 | 10 45 | 0 21 | 0s16 | 2 32 | 29 13 | 5 54 | 17 38 | 1 1 | 21 47 | 1 7 | 4 57 | 0 36 | 6 20 | 1 48 | 3 0 | 14 7 | 19 26 | 19 34 | 9 31 | 4 6 | 5 33 |
| M30 | 17 12 | 21 8 | 5 12 | 10 5 | 0 14 | 0 41 | 2 41 | 29 11 | 5 52 | 17 40 | 1 1 | 21 47 | 1 7 | 4 58 | 0 36 | 6 20 | 1 48 | 3 0 | 14 7 | 19 26 | 19 35 | 9 28 | 4 7 | 5 33 |
| T 31 | 16n56 | 24s23 | 4s51 | 9n25 | 0n 5 | 1s 6 | 2s50 | 29s 9 | 5s50 | 17n42 | 1s 1 | 21s47 | 1n 7 | 4s59 | 0n36 | 6s21 | 1n48 | 2n59 | 14s 7 | 19s26 | 19s35 | 9s25 | 4s 8 | 5n33 |

Julian Day Number = 2135432.5, Delta T = 15m59s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'25, Lahiri = 11°47'26 Julian Calendar 1 July 1134 == Greg. Calendar 8 July 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## AUGUST 1134 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 2 25 | 14♌11'15 | 10♐14 | 7♍31 | 26♍58 | 7°D44 | 23♉24 | 16°R44 | 14♎ 1 | 20♎26 | 15♉23 | 3♒37 | 2♒54 | 29♒55 | 6°R 7 | W 1 |
| T 2 | 21 6 21 | 15° 9'02 | 22°47 | 8°57 | 27°38 | 7♑45 | 23°31 | 16♐42 | 14° 3 | 20°27 | 15°23 | 3°38 | 2°51 | 0♓ 1 | 6♓ 5 | T 2 |
| F 3 | 21 10 18 | 16° 6'49 | 5♑ 6 | 10°20 | 28°18 | 7°46 | 23°38 | 16°41 | 14° 6 | 20°28 | 15°23 | 3°39 | 2°48 | 0° 8 | 6° 2 | F 3 |
| S 4 | 21 14 14 | 17° 4'38 | 17°14 | 11°43 | 28°56 | 7°48 | 23°44 | 16°40 | 14° 8 | 20°29 | 15°23 | 3°40 | 2°45 | 0°15 | 5°59 | S 4 |
| S 5 | 21 18 11 | 18° 2'29 | 29°14 | 13° 3 | 29°33 | 7°52 | 23°51 | 16°39 | 14°11 | 20°30 | 15°24 | 3°R41 | 2°42 | 0°21 | 5°57 | S 5 |
| M 6 | 21 22 7 | 19° 0'20 | 11♒ 7 | 14°22 | 0♎ 9 | 7°55 | 23°57 | 16°38 | 14°13 | 20°32 | 15°24 | 3°41 | 2°39 | 0°28 | 5°54 | M 6 |
| T 7 | 21 26 4 | 19°58'14 | 22°57 | 15°39 | 0°44 | 8° 0 | 24° 3 | 16°37 | 14°16 | 20°33 | 15°24 | 3°40 | 2°35 | 0°35 | 5°51 | T 7 |
| W 8 | 21 30 0 | 20°56'08 | 4♓46 | 16°54 | 1°17 | 8° 6 | 24° 9 | 16°37 | 14°18 | 20°34 | 15°24 | 3°38 | 2°32 | 0°41 | 5°49 | W 8 |
| T 9 | 21 33 57 | 21°54'05 | 16°35 | 18° 8 | 1°49 | 8°12 | 24°14 | 16°36 | 14°21 | 20°36 | 15°R24 | 3°35 | 2°29 | 0°48 | 5°46 | T 9 |
| F 10 | 21 37 54 | 22°52'03 | 28°28 | 19°19 | 2°20 | 8°19 | 24°20 | 16°35 | 14°24 | 20°37 | 15°24 | 3°32 | 2°26 | 0°54 | 5°43 | F 10 |
| S 11 | 21 41 50 | 23°50'03 | 10♈26 | 20°28 | 2°49 | 8°27 | 24°25 | 16°35 | 14°26 | 20°38 | 15°24 | 3°29 | 2°23 | 1° 1 | 5°40 | S 11 |
| S 12 | 21 45 47 | 24°48'05 | 22°33 | 21°36 | 3°17 | 8°35 | 24°30 | 16°34 | 14°29 | 20°40 | 15°24 | 3°26 | 2°20 | 1° 8 | 5°37 | S 12 |
| M13 | 21 49 43 | 25°46'09 | 4♉51 | 22°41 | 3°43 | 8°45 | 24°35 | 16°34 | 14°32 | 20°41 | 15°24 | 3°24 | 2°16 | 1°14 | 5°35 | M13 |
| T 14 | 21 53 40 | 26°44'15 | 17°25 | 23°44 | 4° 8 | 8°55 | 24°40 | 16°34 | 14°35 | 20°43 | 15°24 | 3°23 | 2°13 | 1°21 | 5°32 | T 14 |
| W15 | 21 57 36 | 27°42'22 | 0♊18 | 24°44 | 4°31 | 9° 6 | 24°45 | 16°D34 | 14°37 | 20°44 | 15°23 | 3°D22 | 2°10 | 1°28 | 5°29 | W15 |
| T 16 | 22 1 33 | 28°40'32 | 13°32 | 25°42 | 4°52 | 9°17 | 24°49 | 16°34 | 14°40 | 20°46 | 15°23 | 3°23 | 2° 7 | 1°34 | 5°26 | T 16 |
| F 17 | 22 5 29 | 29°38'44 | 27°12 | 26°37 | 5°11 | 9°30 | 24°54 | 16°34 | 14°43 | 20°47 | 15°23 | 3°24 | 2° 4 | 1°41 | 5°23 | F 17 |
| S 18 | 22 9 26 | 0♍36'59 | 11♋18 | 27°30 | 5°29 | 9°43 | 24°58 | 16°34 | 14°46 | 20°49 | 15°23 | 3°26 | 2° 0 | 1°48 | 5°20 | S 18 |
| S 19 | 22 13 23 | 1°35'15 | 25°49 | 28°19 | 5°44 | 9°56 | 25° 2 | 16°35 | 14°49 | 20°50 | 15°23 | 3°27 | 1°57 | 1°54 | 5°18 | S 19 |
| M20 | 22 17 19 | 2°33'33 | 10♌41 | 29° 4 | 5°58 | 10°11 | 25° 6 | 16°35 | 14°52 | 20°52 | 15°23 | 3°R27 | 1°54 | 2° 1 | 5°15 | M20 |
| T 21 | 22 21 16 | 3°31'53 | 25°49 | 29°47 | 6° 9 | 10°26 | 25° 9 | 16°36 | 14°55 | 20°54 | 15°22 | 3°26 | 1°51 | 2° 8 | 5°12 | T 21 |
| W22 | 22 25 12 | 4°30'15 | 11♍ 3 | 0♎25 | 6°19 | 10°42 | 25°13 | 16°36 | 14°58 | 20°55 | 15°22 | 3°23 | 1°48 | 2°14 | 5° 9 | W22 |
| T 23 | 22 29 9 | 5°28'38 | 26°14 | 0°59 | 6°26 | 10°58 | 25°16 | 16°37 | 15° 1 | 20°57 | 15°22 | 3°19 | 1°45 | 2°21 | 5° 6 | T 23 |
| F 24 | 22 33 5 | 6°27'04 | 11♎11 | 1°29 | 6°31 | 11°15 | 25°19 | 16°38 | 15° 4 | 20°59 | 15°22 | 3°14 | 1°41 | 2°28 | 5° 3 | F 24 |
| S 25 | 22 37 2 | 7°25'31 | 25°47 | 1°54 | 6°34 | 11°33 | 25°22 | 16°39 | 15° 8 | 21° 1 | 15°21 | 3° 9 | 1°38 | 2°34 | 5° 0 | S 25 |
| S 26 | 22 40 58 | 8°24'00 | 9♏56 | 2°14 | 6°R35 | 11°51 | 25°24 | 16°40 | 15°11 | 21° 2 | 15°21 | 3° 5 | 1°35 | 2°41 | 4°57 | S 26 |
| M27 | 22 44 55 | 9°22'30 | 23°36 | 2°29 | 6°33 | 12°10 | 25°27 | 16°41 | 15°14 | 21° 4 | 15°20 | 3° 2 | 1°32 | 2°48 | 4°55 | M27 |
| T 28 | 22 48 52 | 10°21'02 | 6♐49 | 2°38 | 6°29 | 12°29 | 25°29 | 16°42 | 15°17 | 21° 6 | 15°20 | 3°D 1 | 1°29 | 2°54 | 4°52 | T 28 |
| W29 | 22 52 48 | 11°19'36 | 19°38 | 2°R41 | 6°23 | 12°49 | 25°31 | 16°43 | 15°20 | 21° 8 | 15°20 | 3° 2 | 1°26 | 3° 1 | 4°49 | W29 |
| T 30 | 22 56 45 | 12°18'12 | 2♑ 5 | 2°38 | 6°14 | 13°10 | 25°33 | 16°45 | 15°24 | 21° 9 | 15°19 | 3° 3 | 1°22 | 3° 8 | 4°46 | T 30 |
| F 31 | 23 0 41 | 13♍16'49 | 14♑17 | 2♎27 | 6♎ 3 | 13♑31 | 25♉35 | 16♐46 | 15♎27 | 21♎11 | 15♉19 | 3♒ 4 | 1♒19 | 3♓14 | 4♓43 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n39 | 26s17 | 4s15 | 8n45 | 0s 3 | 1s31 | 2s59 | 29s 7 | 5s48 | 17n44 | 1s 1 | 21s47 | 1n 6 | 5s 0 | 0n36 | 6s21 | 1n48 | 2n59 | 14s 8 | 19s26 | 19s36 | 9s22 | 4s 9 | 5n33 |
| T 2 | 16 22 | 26 49 | 3 28 | 8 5 | 0 11 | 1 56 | 3 8 | 29 5 | 5 46 | 17 45 | 1 1 | 21 47 | 1 6 | 5 1 | 0 36 | 6 22 | 1 48 | 2 59 | 14 8 | 19 26 | 19 37 | 9 19 | 4 10 | 5 33 |
| F 3 | 16 5 | 25 59 | 2 32 | 7 25 | 0 20 | 2 20 | 3 17 | 29 3 | 5 44 | 17 47 | 1 1 | 21 47 | 1 6 | 5 2 | 0 36 | 6 22 | 1 48 | 2 59 | 14 8 | 19 26 | 19 38 | 9 16 | 4 11 | 5 33 |
| S 4 | 15 47 | 23 55 | 1 30 | 6 45 | 0 29 | 2 44 | 3 27 | 29 0 | 5 42 | 17 48 | 1 2 | 21 47 | 1 6 | 5 3 | 0 36 | 6 23 | 1 48 | 2 59 | 14 8 | 19 25 | 19 38 | 9 13 | 4 12 | 5 33 |
| S 5 | 15 30 | 20 49 | 0 25 | 6 6 | 0 38 | 3 7 | 3 36 | 28 58 | 5 39 | 17 50 | 1 2 | 21 47 | 1 6 | 5 4 | 0 36 | 6 23 | 1 48 | 2 58 | 14 9 | 19 25 | 19 39 | 9 10 | 4 13 | 5 33 |
| M 6 | 15 12 | 16 52 | 0n41 | 5 28 | 0 47 | 3 31 | 3 46 | 28 55 | 5 37 | 17 51 | 1 2 | 21 47 | 1 6 | 5 5 | 0 36 | 6 24 | 1 48 | 2 58 | 14 9 | 19 25 | 19 40 | 9 7 | 4 14 | 5 33 |
| T 7 | 14 54 | 12 17 | 1 45 | 4 49 | 0 56 | 3 53 | 3 56 | 28 52 | 5 34 | 17 52 | 1 2 | 21 48 | 1 5 | 5 6 | 0 36 | 6 24 | 1 48 | 2 58 | 14 9 | 19 26 | 19 40 | 9 4 | 4 14 | 5 33 |
| W 8 | 14 35 | 7 16 | 2 44 | 4 12 | 1 5 | 4 16 | 4 5 | 28 49 | 5 32 | 17 54 | 1 2 | 21 48 | 1 5 | 5 7 | 0 36 | 6 25 | 1 48 | 2 58 | 14 9 | 19 26 | 19 41 | 9 0 | 4 15 | 5 33 |
| T 9 | 14 16 | 2 1 | 3 35 | 3 34 | 1 15 | 4 38 | 4 15 | 28 46 | 5 29 | 17 55 | 1 2 | 21 48 | 1 5 | 5 8 | 0 36 | 6 25 | 1 47 | 2 57 | 14 10 | 19 27 | 19 42 | 8 57 | 4 16 | 5 33 |
| F 10 | 13 58 | 3n20 | 4 18 | 2 58 | 1 24 | 4 59 | 4 25 | 28 43 | 5 27 | 17 56 | 1 2 | 21 48 | 1 5 | 5 9 | 0 36 | 6 26 | 1 47 | 2 57 | 14 10 | 19 27 | 19 43 | 8 54 | 4 17 | 5 33 |
| S 11 | 13 38 | 8 35 | 4 50 | 2 22 | 1 33 | 5 20 | 4 35 | 28 40 | 5 24 | 17 58 | 1 2 | 21 48 | 1 5 | 5 10 | 0 36 | 6 26 | 1 47 | 2 57 | 14 10 | 19 28 | 19 43 | 8 51 | 4 18 | 5 33 |
| S 12 | 13 19 | 13 35 | 5 9 | 1 46 | 1 43 | 5 40 | 4 45 | 28 37 | 5 21 | 17 59 | 1 2 | 21 48 | 1 5 | 5 11 | 0 36 | 6 27 | 1 47 | 2 57 | 14 11 | 19 29 | 19 44 | 8 48 | 4 19 | 5 33 |
| M13 | 12 59 | 18 8 | 5 15 | 1 12 | 1 52 | 6 0 | 4 56 | 28 33 | 5 18 | 18 0 | 1 2 | 21 48 | 1 4 | 5 12 | 0 36 | 6 28 | 1 47 | 2 56 | 14 11 | 19 29 | 19 45 | 8 45 | 4 20 | 5 33 |
| T 14 | 12 40 | 21 59 | 5 5 | 0 39 | 2 1 | 6 19 | 5 6 | 28 30 | 5 16 | 18 1 | 1 3 | 21 48 | 1 4 | 5 14 | 0 36 | 6 28 | 1 47 | 2 56 | 14 11 | 19 30 | 19 46 | 8 42 | 4 21 | 5 33 |
| W15 | 12 20 | 24 53 | 4 41 | 0 6 | 2 11 | 6 38 | 5 16 | 28 26 | 5 13 | 18 2 | 1 3 | 21 49 | 1 4 | 5 15 | 0 35 | 6 29 | 1 47 | 2 56 | 14 11 | 19 30 | 19 46 | 8 39 | 4 22 | 5 33 |
| T 16 | 11 59 | 26 31 | 4 1 | 0s25 | 2 20 | 6 56 | 5 26 | 28 23 | 5 10 | 18 3 | 1 3 | 21 49 | 1 4 | 5 16 | 0 35 | 6 29 | 1 47 | 2 55 | 14 12 | 19 29 | 19 47 | 8 36 | 4 23 | 5 33 |
| F 17 | 11 39 | 26 38 | 3 6 | 0 56 | 2 29 | 7 13 | 5 37 | 28 19 | 5 7 | 18 4 | 1 3 | 21 49 | 1 4 | 5 17 | 0 35 | 6 30 | 1 47 | 2 55 | 14 12 | 19 29 | 19 48 | 8 33 | 4 25 | 5 33 |
| S 18 | 11 18 | 25 3 | 1 59 | 1 25 | 2 38 | 7 29 | 5 47 | 28 15 | 5 4 | 18 5 | 1 3 | 21 49 | 1 3 | 5 18 | 0 35 | 6 31 | 1 47 | 2 55 | 14 12 | 19 29 | 19 48 | 8 30 | 4 26 | 5 33 |
| S 19 | 10 58 | 21 46 | 0 42 | 1 52 | 2 47 | 7 45 | 5 57 | 28 11 | 5 1 | 18 6 | 1 3 | 21 49 | 1 3 | 5 19 | 0 35 | 6 31 | 1 47 | 2 55 | 14 12 | 19 29 | 19 49 | 8 27 | 4 27 | 5 33 |
| M20 | 10 37 | 17 0 | 0s40 | 2 19 | 2 55 | 8 0 | 6 7 | 28 7 | 4 58 | 18 6 | 1 3 | 21 50 | 1 3 | 5 21 | 0 35 | 6 32 | 1 47 | 2 54 | 14 13 | 19 29 | 19 50 | 8 23 | 4 28 | 5 33 |
| T 21 | 10 16 | 11 6 | 2 0 | 2 43 | 3 4 | 8 13 | 6 17 | 28 3 | 4 55 | 18 7 | 1 3 | 21 50 | 1 3 | 5 22 | 0 35 | 6 33 | 1 47 | 2 54 | 14 13 | 19 29 | 19 51 | 8 20 | 4 29 | 5 33 |
| W22 | 9 54 | 4 30 | 3 11 | 3 6 | 3 12 | 8 26 | 6 28 | 27 59 | 4 53 | 18 8 | 1 4 | 21 50 | 1 3 | 5 23 | 0 35 | 6 33 | 1 47 | 2 54 | 14 13 | 19 30 | 19 51 | 8 17 | 4 30 | 5 33 |
| T 23 | 9 33 | 2s18 | 4 9 | 3 26 | 3 19 | 8 38 | 6 37 | 27 54 | 4 50 | 18 8 | 1 4 | 21 50 | 1 3 | 5 24 | 0 35 | 6 34 | 1 47 | 2 53 | 14 13 | 19 31 | 19 52 | 8 14 | 4 31 | 5 33 |
| F 24 | 9 11 | 8 53 | 4 49 | 3 45 | 3 27 | 8 49 | 6 47 | 27 50 | 4 47 | 18 9 | 1 4 | 21 51 | 1 2 | 5 25 | 0 35 | 6 35 | 1 47 | 2 53 | 14 14 | 19 32 | 19 53 | 8 11 | 4 32 | 5 33 |
| S 25 | 8 49 | 14 48 | 5 9 | 4 1 | 3 33 | 8 59 | 6 57 | 27 45 | 4 44 | 18 10 | 1 4 | 21 51 | 1 2 | 5 27 | 0 35 | 6 35 | 1 47 | 2 53 | 14 14 | 19 33 | 19 53 | 8 8 | 4 33 | 5 33 |
| S 26 | 8 28 | 19 45 | 5 10 | 4 15 | 3 40 | 9 8 | 7 6 | 27 41 | 4 41 | 18 10 | 1 4 | 21 51 | 1 2 | 5 28 | 0 35 | 6 36 | 1 47 | 2 52 | 14 14 | 19 34 | 19 54 | 8 5 | 4 34 | 5 33 |
| M27 | 8 5 | 23 28 | 4 52 | 4 26 | 3 45 | 9 16 | 7 15 | 27 36 | 4 38 | 18 11 | 1 4 | 21 51 | 1 2 | 5 29 | 0 35 | 6 37 | 1 47 | 2 52 | 14 14 | 19 34 | 19 55 | 8 2 | 4 35 | 5 33 |
| T 28 | 7 43 | 25 49 | 4 20 | 4 34 | 3 50 | 9 22 | 7 24 | 27 31 | 4 35 | 18 11 | 1 4 | 21 52 | 1 2 | 5 30 | 0 35 | 6 37 | 1 47 | 2 52 | 14 15 | 19 35 | 19 56 | 7 59 | 4 36 | 5 33 |
| W29 | 7 21 | 26 43 | 3 35 | 4 39 | 3 54 | 9 28 | 7 33 | 27 26 | 4 32 | 18 12 | 1 4 | 21 52 | 1 2 | 5 32 | 0 35 | 6 38 | 1 47 | 2 51 | 14 15 | 19 34 | 19 56 | 7 56 | 4 38 | 5 33 |
| T 30 | 6 59 | 26 13 | 2 41 | 4 40 | 3 57 | 9 31 | 7 41 | 27 21 | 4 29 | 18 12 | 1 4 | 21 52 | 1 1 | 5 33 | 0 35 | 6 39 | 1 47 | 2 51 | 14 15 | 19 34 | 19 57 | 7 52 | 4 39 | 5 33 |
| F 31 | 6n36 | 24s27 | 1s41 | 4s37 | 3s58 | 9s34 | 7s48 | 27s16 | 4s26 | 18n12 | 1s 5 | 21s53 | 1n 1 | 5s34 | 0n35 | 6s39 | 1n47 | 2n51 | 14s15 | 19s34 | 19s58 | 7s49 | 4s40 | 5n33 |

Julian Day Number = 2135463.5, Delta T = 15m59s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'29, Lahiri = 11°47'30 Julian Calendar 1 Aug. 1134 == Greg. Calendar 8 Aug. 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## SEPTEMBER 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 4 38 | 14♍15'28 | 26♑17 | 2°R10 | 5°R49 | 13♑53 | 25♉36 | 16♐48 | 15♎30 | 21♎13 | 15°R18 | 3♒ 6 | 1♒16 | 3♓21 | 4°R40 | S 1 |
| S 2 | 23 8 34 | 15°14'09 | 8♒ 9 | 1♎46 | 5♎33 | 14°15 | 25°38 | 16°49 | 15°34 | 21°15 | 15♉18 | 3°R 6 | 1°13 | 3°28 | 4♓38 | S 2 |
| M 3 | 23 12 31 | 16°12'52 | 19°58 | 1°15 | 5°15 | 14°38 | 25°39 | 16°51 | 15°37 | 21°17 | 15°17 | 3° 4 | 1°10 | 3°34 | 4°35 | M 3 |
| T 4 | 23 16 27 | 17°11'36 | 1♓46 | 0°36 | 4°54 | 15° 1 | 25°40 | 16°53 | 15°41 | 21°19 | 15°17 | 3° 0 | 1° 6 | 3°41 | 4°32 | T 4 |
| W 5 | 23 20 24 | 18°10'23 | 13°36 | 29♍51 | 4°31 | 15°25 | 25°40 | 16°55 | 15°44 | 21°21 | 15°16 | 2°55 | 1° 3 | 3°48 | 4°29 | W 5 |
| T 6 | 23 24 21 | 19° 9'11 | 25°31 | 28°59 | 4° 6 | 15°49 | 25°41 | 16°57 | 15°47 | 21°23 | 15°16 | 2°47 | 1° 0 | 3°54 | 4°26 | T 6 |
| F 7 | 23 28 17 | 20° 8'02 | 7♈30 | 28° 2 | 3°39 | 16°14 | 25°41 | 16°59 | 15°51 | 21°25 | 15°15 | 2°38 | 0°57 | 4° 1 | 4°24 | F 7 |
| S 8 | 23 32 14 | 21° 6'54 | 19°37 | 27° 0 | 3°11 | 16°39 | 25°R41 | 17° 2 | 15°54 | 21°27 | 15°15 | 2°29 | 0°54 | 4° 8 | 4°21 | S 8 |
| S 9 | 23 36 10 | 22° 5'49 | 1♉52 | 25°54 | 2°40 | 17° 5 | 25°41 | 17° 4 | 15°58 | 21°29 | 15°14 | 2°20 | 0°51 | 4°14 | 4°18 | S 9 |
| M10 | 23 40 7 | 23° 4'46 | 14°18 | 24°47 | 2° 8 | 17°31 | 25°41 | 17° 6 | 16° 1 | 21°31 | 15°13 | 2°13 | 0°47 | 4°21 | 4°16 | M10 |
| T 11 | 23 44 3 | 24° 3'46 | 26°56 | 23°39 | 1°35 | 17°57 | 25°40 | 17° 9 | 16° 5 | 21°33 | 15°13 | 2° 7 | 0°44 | 4°28 | 4°13 | T 11 |
| W12 | 23 48 0 | 25° 2'48 | 9♊48 | 22°32 | 1° 0 | 18°24 | 25°40 | 17°11 | 16° 8 | 21°35 | 15°12 | 2° 4 | 0°41 | 4°34 | 4°10 | W12 |
| T 13 | 23 51 56 | 26° 1'52 | 22°59 | 21°29 | 0°25 | 18°51 | 25°39 | 17°14 | 16°12 | 21°37 | 15°12 | 2°D 3 | 0°38 | 4°41 | 4° 8 | T 13 |
| F 14 | 23 55 53 | 27° 0'58 | 6♋29 | 20°31 | 29♍49 | 19°19 | 25°38 | 17°17 | 16°16 | 21°39 | 15°11 | 2° 3 | 0°35 | 4°48 | 4° 5 | F 14 |
| S 15 | 23 59 50 | 28° 0'07 | 20°22 | 19°39 | 29°12 | 19°47 | 25°36 | 17°20 | 16°19 | 21°41 | 15°10 | 2° 4 | 0°31 | 4°54 | 4° 3 | S 15 |
| S 16 | 0 3 46 | 28°59'19 | 4♌38 | 18°55 | 28°36 | 20°15 | 25°35 | 17°23 | 16°23 | 21°43 | 15° 9 | 2°R 4 | 0°28 | 5° 1 | 4° 0 | S 16 |
| M17 | 0 7 43 | 29°58'32 | 19°16 | 18°20 | 27°59 | 20°44 | 25°33 | 17°26 | 16°27 | 21°45 | 15° 9 | 2° 3 | 0°25 | 5° 8 | 3°58 | M17 |
| T 18 | 0 11 39 | 0♎57'48 | 4♍12 | 17°56 | 27°23 | 21°13 | 25°31 | 17°29 | 16°30 | 21°47 | 15° 8 | 2° 0 | 0°22 | 5°14 | 3°55 | T 18 |
| W19 | 0 15 36 | 1°57'06 | 19°18 | 17°42 | 26°47 | 21°43 | 25°29 | 17°32 | 16°34 | 21°49 | 15° 7 | 1°54 | 0°19 | 5°21 | 3°53 | W19 |
| T 20 | 0 19 32 | 2°56'26 | 4♎26 | 17°D38 | 26°12 | 22°13 | 25°27 | 17°36 | 16°38 | 21°52 | 15° 6 | 1°45 | 0°16 | 5°28 | 3°50 | T 20 |
| F 21 | 0 23 29 | 3°55'49 | 19°25 | 17°46 | 25°37 | 22°43 | 25°24 | 17°39 | 16°41 | 21°54 | 15° 6 | 1°36 | 0°12 | 5°34 | 3°48 | F 21 |
| S 22 | 0 27 25 | 4°55'13 | 4♏ 7 | 18° 3 | 25° 4 | 23°13 | 25°22 | 17°42 | 16°45 | 21°56 | 15° 5 | 1°26 | 0° 9 | 5°41 | 3°46 | S 22 |
| S 23 | 0 31 22 | 5°54'39 | 18°23 | 18°31 | 24°33 | 23°44 | 25°19 | 17°46 | 16°49 | 21°58 | 15° 4 | 1°17 | 0° 6 | 5°48 | 3°43 | S 23 |
| M24 | 0 35 18 | 6°54'08 | 2♐11 | 19° 9 | 24° 2 | 24°15 | 25°16 | 17°50 | 16°52 | 22° 0 | 15° 3 | 1°10 | 0° 3 | 5°54 | 3°41 | M24 |
| T 25 | 0 39 15 | 7°53'38 | 15°29 | 19°55 | 23°34 | 24°47 | 25°12 | 17°53 | 16°56 | 22° 2 | 15° 2 | 1° 5 | 29♑59 | 6° 1 | 3°39 | T 25 |
| W26 | 0 43 12 | 8°53'10 | 28°21 | 20°49 | 23° 7 | 25°19 | 25° 9 | 17°57 | 17° 0 | 22° 5 | 15° 1 | 1° 3 | 29°57 | 6° 8 | 3°37 | W26 |
| T 27 | 0 47 8 | 9°52'44 | 10♑49 | 21°50 | 22°43 | 25°51 | 25° 5 | 18° 1 | 17° 4 | 22° 7 | 15° 0 | 1°D 3 | 29°53 | 6°15 | 3°34 | T 27 |
| F 28 | 0 51 5 | 10°52'19 | 22°59 | 22°58 | 22°20 | 26°23 | 25° 1 | 18° 5 | 17° 7 | 22° 9 | 15° 0 | 1° 3 | 29°50 | 6°21 | 3°32 | F 28 |
| S 29 | 0 55 1 | 11°51'56 | 4♒57 | 24°11 | 22° 0 | 26°56 | 24°57 | 18° 9 | 17°11 | 22°11 | 14°59 | 1°R 3 | 29°47 | 6°28 | 3°30 | S 29 |
| S 30 | 0 58 58 | 12♎51'35 | 16♒47 | 25♍29 | 21♍42 | 27♑28 | 24♉53 | 18♐13 | 17♎15 | 22♎13 | 14♉58 | 1♒ 2 | 29♑44 | 6♓35 | 3♓28 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n13 | 21s36 | 0s37 | 4s31 | 3s59 | 9s35 | 7s56 | 27s11 | 4s23 | 18n12 | 1s 5 | 21s53 | 1n 1 | 5s36 | 0n35 | 6s40 | 1n47 | 2n50 | 14s16 | 19s34 | 19s58 | 7s46 | 4s41 | 5n32 |
| S 2 | 5 51 | 17 52 | 0n27 | 4 21 | 3 58 | 9 35 | 8 2 | 27 5 | 4 20 | 18 13 | 1 5 | 21 53 | 1 1 | 5 37 | 0 35 | 6 41 | 1 47 | 2 50 | 14 16 | 19 34 | 19 59 | 7 43 | 4 42 | 5 32 |
| M 3 | 5 28 | 13 28 | 1 30 | 4 6 | 3 56 | 9 33 | 8 9 | 27 0 | 4 17 | 18 13 | 1 5 | 21 54 | 1 1 | 5 38 | 0 35 | 6 42 | 1 46 | 2 50 | 14 16 | 19 34 | 20 0 | 7 40 | 4 43 | 5 32 |
| T 4 | 5 5 | 8 35 | 2 29 | 3 47 | 3 52 | 9 30 | 8 14 | 26 54 | 4 14 | 18 13 | 1 5 | 21 54 | 1 0 | 5 40 | 0 35 | 6 42 | 1 46 | 2 49 | 14 16 | 19 35 | 20 0 | 7 37 | 4 44 | 5 32 |
| W 5 | 4 42 | 3 23 | 3 21 | 3 23 | 3 46 | 9 26 | 8 19 | 26 49 | 4 11 | 18 13 | 1 5 | 21 54 | 1 0 | 5 41 | 0 35 | 6 43 | 1 46 | 2 49 | 14 16 | 19 36 | 20 1 | 7 34 | 4 45 | 5 32 |
| T 6 | 4 19 | 1n57 | 4 5 | 2 56 | 3 38 | 9 20 | 8 23 | 26 43 | 4 8 | 18 13 | 1 5 | 21 55 | 1 0 | 5 42 | 0 35 | 6 44 | 1 46 | 2 49 | 14 17 | 19 38 | 20 2 | 7 31 | 4 46 | 5 32 |
| F 7 | 3 56 | 7 15 | 4 38 | 2 24 | 3 29 | 9 12 | 8 27 | 26 37 | 4 5 | 18 13 | 1 5 | 21 55 | 1 0 | 5 44 | 0 35 | 6 45 | 1 46 | 2 48 | 14 17 | 19 40 | 20 3 | 7 28 | 4 48 | 5 32 |
| S 8 | 3 32 | 12 19 | 4 59 | 1 49 | 3 17 | 9 3 | 8 30 | 26 31 | 4 2 | 18 13 | 1 5 | 21 56 | 1 0 | 5 45 | 0 35 | 6 45 | 1 46 | 2 48 | 14 17 | 19 42 | 20 3 | 7 25 | 4 49 | 5 32 |
| S 9 | 3 9 | 16 58 | 5 7 | 1 10 | 3 3 | 8 53 | 8 32 | 26 25 | 3 59 | 18 13 | 1 6 | 21 56 | 1 0 | 5 46 | 0 35 | 6 46 | 1 46 | 2 47 | 14 17 | 19 44 | 20 4 | 7 21 | 4 50 | 5 31 |
| M10 | 2 46 | 20 58 | 5 0 | 0 29 | 2 48 | 8 41 | 8 33 | 26 18 | 3 56 | 18 13 | 1 6 | 21 56 | 0 59 | 5 48 | 0 35 | 6 47 | 1 46 | 2 47 | 14 18 | 19 46 | 20 5 | 7 18 | 4 51 | 5 31 |
| T 11 | 2 22 | 24 5 | 4 39 | 0n13 | 2 31 | 8 28 | 8 33 | 26 12 | 3 53 | 18 12 | 1 6 | 21 57 | 0 59 | 5 49 | 0 35 | 6 48 | 1 46 | 2 47 | 14 18 | 19 47 | 20 5 | 7 15 | 4 52 | 5 31 |
| W12 | 1 59 | 26 2 | 4 3 | 0 56 | 2 13 | 8 13 | 8 32 | 26 5 | 3 50 | 18 12 | 1 6 | 21 57 | 0 59 | 5 51 | 0 35 | 6 49 | 1 46 | 2 46 | 14 18 | 19 48 | 20 6 | 7 12 | 4 53 | 5 31 |
| T 13 | 1 35 | 26 36 | 3 14 | 1 39 | 1 54 | 7 58 | 8 31 | 25 58 | 3 48 | 18 12 | 1 6 | 21 58 | 0 59 | 5 52 | 0 35 | 6 49 | 1 46 | 2 46 | 14 18 | 19 48 | 20 7 | 7 9 | 4 54 | 5 31 |
| F 14 | 1 12 | 25 36 | 2 13 | 2 20 | 1 34 | 7 41 | 8 28 | 25 52 | 3 45 | 18 11 | 1 6 | 21 58 | 0 59 | 5 53 | 0 35 | 6 50 | 1 46 | 2 46 | 14 18 | 19 48 | 20 7 | 7 6 | 4 55 | 5 31 |
| S 15 | 0 48 | 23 2 | 1 2 | 3 0 | 1 13 | 7 23 | 8 24 | 25 45 | 3 42 | 18 11 | 1 6 | 21 58 | 0 59 | 5 55 | 0 35 | 6 51 | 1 46 | 2 45 | 14 19 | 19 48 | 20 8 | 7 3 | 4 56 | 5 30 |
| S 16 | 0 24 | 18 58 | 0s14 | 3 35 | 0 53 | 7 5 | 8 20 | 25 38 | 3 39 | 18 11 | 1 6 | 21 59 | 0 58 | 5 56 | 0 35 | 6 52 | 1 46 | 2 45 | 14 19 | 19 48 | 20 9 | 7 0 | 4 58 | 5 30 |
| M17 | 0 1 | 13 41 | 1 31 | 4 7 | 0 33 | 6 45 | 8 15 | 25 30 | 3 36 | 18 10 | 1 6 | 21 59 | 0 58 | 5 58 | 0 35 | 6 53 | 1 46 | 2 44 | 14 19 | 19 48 | 20 9 | 6 57 | 4 59 | 5 30 |
| T 18 | 0s23 | 7 29 | 2 43 | 4 35 | 0 14 | 6 25 | 8 8 | 25 23 | 3 33 | 18 9 | 1 6 | 22 0 | 0 58 | 5 59 | 0 35 | 6 53 | 1 46 | 2 44 | 14 19 | 19 49 | 20 10 | 6 54 | 5 0 | 5 30 |
| W19 | 0 47 | 0 49 | 3 45 | 4 57 | 0n 5 | 6 4 | 8 1 | 25 15 | 3 31 | 18 9 | 1 6 | 22 0 | 0 58 | 6 0 | 0 35 | 6 54 | 1 46 | 2 44 | 14 19 | 19 50 | 20 11 | 6 50 | 5 1 | 5 30 |
| T 20 | 1 10 | 5s54 | 4 30 | 5 15 | 0 22 | 5 43 | 7 53 | 25 8 | 3 28 | 18 8 | 1 7 | 22 1 | 0 58 | 6 2 | 0 35 | 6 55 | 1 46 | 2 43 | 14 19 | 19 52 | 20 11 | 6 47 | 5 2 | 5 29 |
| F 21 | 1 34 | 12 13 | 4 57 | 5 27 | 0 38 | 5 21 | 7 45 | 25 0 | 3 25 | 18 8 | 1 7 | 22 1 | 0 58 | 6 3 | 0 35 | 6 56 | 1 46 | 2 43 | 14 20 | 19 54 | 20 12 | 6 44 | 5 3 | 5 29 |
| S 22 | 1 58 | 17 42 | 5 3 | 5 33 | 0 53 | 4 59 | 7 35 | 24 52 | 3 22 | 18 7 | 1 7 | 22 2 | 0 57 | 6 5 | 0 35 | 6 57 | 1 46 | 2 43 | 14 20 | 19 56 | 20 13 | 6 41 | 5 4 | 5 29 |
| S 23 | 2 22 | 22 2 | 4 50 | 5 34 | 1 6 | 4 37 | 7 25 | 24 44 | 3 20 | 18 6 | 1 7 | 22 2 | 0 57 | 6 6 | 0 35 | 6 57 | 1 46 | 2 42 | 14 20 | 19 58 | 20 14 | 6 38 | 5 5 | 5 29 |
| M24 | 2 45 | 24 57 | 4 21 | 5 30 | 1 18 | 4 16 | 7 14 | 24 36 | 3 17 | 18 5 | 1 7 | 22 3 | 0 57 | 6 8 | 0 35 | 6 58 | 1 46 | 2 42 | 14 20 | 20 0 | 20 14 | 6 35 | 5 6 | 5 28 |
| T 25 | 3 9 | 26 22 | 3 38 | 5 21 | 1 28 | 3 54 | 7 3 | 24 27 | 3 14 | 18 4 | 1 7 | 22 3 | 0 57 | 6 9 | 0 35 | 6 59 | 1 46 | 2 41 | 14 20 | 20 1 | 20 15 | 6 32 | 5 7 | 5 28 |
| W26 | 3 32 | 26 17 | 2 45 | 5 8 | 1 37 | 3 33 | 6 51 | 24 19 | 3 12 | 18 4 | 1 7 | 22 4 | 0 57 | 6 10 | 0 35 | 7 0 | 1 46 | 2 41 | 14 20 | 20 1 | 20 16 | 6 29 | 5 8 | 5 28 |
| T 27 | 3 56 | 24 52 | 1 46 | 4 51 | 1 44 | 3 12 | 6 38 | 24 10 | 3 9 | 18 3 | 1 7 | 22 4 | 0 57 | 6 12 | 0 35 | 7 1 | 1 46 | 2 41 | 14 21 | 20 1 | 20 16 | 6 25 | 5 9 | 5 28 |
| F 28 | 4 19 | 22 17 | 0 43 | 4 29 | 1 50 | 2 51 | 6 26 | 24 1 | 3 6 | 18 2 | 1 7 | 22 5 | 0 57 | 6 13 | 0 35 | 7 2 | 1 46 | 2 40 | 14 21 | 20 1 | 20 17 | 6 22 | 5 10 | 5 28 |
| S 29 | 4 43 | 18 47 | 0n21 | 4 4 | 1 55 | 2 31 | 6 13 | 23 52 | 3 4 | 18 1 | 1 7 | 22 5 | 0 56 | 6 15 | 0 35 | 7 2 | 1 46 | 2 40 | 14 21 | 20 1 | 20 18 | 6 19 | 5 11 | 5 27 |
| S 30 | 5s 6 | 14s34 | 1n23 | 3n36 | 1n58 | 2s12 | 5s59 | 23s43 | 3s 1 | 17n59 | 1s 7 | 22s 6 | 0n56 | 6s16 | 0n35 | 7s 3 | 1n46 | 2n39 | 14s21 | 20s 1 | 20s18 | 6s16 | 5s12 | 5n27 |

Julian Day Number = 2135494.5, Delta T = 15m59s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'34, Lahiri = 11°47'34 Julian Calendar 1 Sept. 1134 == Greg. Calendar 8 Sept. 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## OCTOBER 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 2 54 | 13♎51'16 | 28♒35 | 26♍52 | 21°R27 | 28♑ 2 | 24°R49 | 18♐18 | 17♎19 | 22♎16 | 14°R57 | 0°R59 | 29♑41 | 6♓41 | 3°R26 | M 1 |
| T 2 | 1 6 51 | 14°50'59 | 10♓24 | 28°18 | 21♍14 | 28°35 | 24♉44 | 18°22 | 17°22 | 22°18 | 14♉56 | 0♒52 | 29°37 | 6°48 | 3♓24 | T 2 |
| W 3 | 1 10 47 | 15°50'43 | 22°18 | 29°47 | 21° 3 | 29° 9 | 24°39 | 18°26 | 17°26 | 22°20 | 14°55 | 0°44 | 29°34 | 6°55 | 3°22 | W 3 |
| T 4 | 1 14 44 | 16°50'30 | 4♈19 | 1♎18 | 20°55 | 29°42 | 24°35 | 18°31 | 17°30 | 22°22 | 14°54 | 0°32 | 29°31 | 7° 1 | 3°20 | T 4 |
| F 5 | 1 18 41 | 17°50'18 | 16°29 | 2°52 | 20°49 | 0♒16 | 24°29 | 18°35 | 17°34 | 22°25 | 14°53 | 0°19 | 29°28 | 7° 8 | 3°19 | F 5 |
| S 6 | 1 22 37 | 18°50'08 | 28°49 | 4°27 | 20°46 | 0°51 | 24°24 | 18°40 | 17°37 | 22°27 | 14°52 | 0° 5 | 29°25 | 7°15 | 3°17 | S 6 |
| S 7 | 1 26 34 | 19°50'01 | 11♉19 | 6° 3 | 20°D45 | 1°25 | 24°19 | 18°44 | 17°41 | 22°29 | 14°51 | 29♑52 | 29°22 | 7°21 | 3°15 | S 7 |
| M 8 | 1 30 30 | 20°49'55 | 24° 0 | 7°41 | 20°46 | 2° 0 | 24°13 | 18°49 | 17°45 | 22°31 | 14°50 | 29°40 | 29°18 | 7°28 | 3°13 | M 8 |
| T 9 | 1 34 27 | 21°49'52 | 6♊51 | 9°19 | 20°50 | 2°35 | 24° 7 | 18°54 | 17°49 | 22°34 | 14°49 | 29°31 | 29°15 | 7°35 | 3°12 | T 9 |
| W10 | 1 38 23 | 22°49'51 | 19°54 | 10°57 | 20°57 | 3°10 | 24° 1 | 18°59 | 17°53 | 22°36 | 14°48 | 29°25 | 29°12 | 7°41 | 3°10 | W10 |
| T 11 | 1 42 20 | 23°49'52 | 3♋ 9 | 12°37 | 21° 5 | 3°45 | 23°55 | 19° 4 | 17°56 | 22°38 | 14°47 | 29°22 | 29° 9 | 7°48 | 3° 9 | T 11 |
| F 12 | 1 46 16 | 24°49'55 | 16°39 | 14°16 | 21°16 | 4°21 | 23°49 | 19° 9 | 18° 0 | 22°40 | 14°46 | 29°20 | 29° 6 | 7°55 | 3° 7 | F 12 |
| S 13 | 1 50 13 | 25°50'01 | 0♌24 | 15°55 | 21°29 | 4°57 | 23°43 | 19°14 | 18° 4 | 22°43 | 14°45 | 29°20 | 29° 3 | 8° 1 | 3° 6 | S 13 |
| S 14 | 1 54 10 | 26°50'09 | 14°27 | 17°35 | 21°44 | 5°32 | 23°36 | 19°19 | 18° 8 | 22°45 | 14°44 | 29°20 | 28°59 | 8° 8 | 3° 4 | S 14 |
| M15 | 1 58 6 | 27°50'18 | 28°46 | 19°14 | 22° 1 | 6° 8 | 23°30 | 19°24 | 18°11 | 22°47 | 14°43 | 29°18 | 28°56 | 8°15 | 3° 3 | M15 |
| T 16 | 2 2 3 | 28°50'30 | 13♍20 | 20°53 | 22°20 | 6°45 | 23°23 | 19°29 | 18°15 | 22°49 | 14°42 | 29°13 | 28°53 | 8°21 | 3° 2 | T 16 |
| W17 | 2 5 59 | 29°50'44 | 28° 5 | 22°32 | 22°42 | 7°21 | 23°16 | 19°35 | 18°19 | 22°52 | 14°40 | 29° 6 | 28°50 | 8°28 | 3° 0 | W17 |
| T 18 | 2 9 56 | 0♏51'00 | 12♎54 | 24°11 | 23° 4 | 7°58 | 23° 9 | 19°40 | 18°22 | 22°54 | 14°39 | 28°56 | 28°47 | 8°35 | 2°59 | T 18 |
| F 19 | 2 13 52 | 1°51'18 | 27°38 | 25°50 | 23°29 | 8°34 | 23° 2 | 19°46 | 18°26 | 22°56 | 14°38 | 28°44 | 28°43 | 8°41 | 2°58 | F 19 |
| S 20 | 2 17 49 | 2°51'38 | 12♏10 | 27°28 | 23°56 | 9°11 | 22°55 | 19°51 | 18°30 | 22°58 | 14°37 | 28°32 | 28°40 | 8°48 | 2°57 | S 20 |
| S 21 | 2 21 45 | 3°51'59 | 26°22 | 29° 6 | 24°24 | 9°48 | 22°48 | 19°57 | 18°33 | 23° 0 | 14°36 | 28°20 | 28°37 | 8°55 | 2°56 | S 21 |
| M22 | 2 25 42 | 4°52'23 | 10♐ 9 | 0♏43 | 24°54 | 10°26 | 22°40 | 20° 2 | 18°37 | 23° 3 | 14°35 | 28°11 | 28°34 | 9° 1 | 2°55 | M22 |
| T 23 | 2 29 39 | 5°52'47 | 23°30 | 2°21 | 25°25 | 11° 3 | 22°33 | 20° 8 | 18°41 | 23° 5 | 14°34 | 28° 4 | 28°31 | 9° 8 | 2°54 | T 23 |
| W24 | 2 33 35 | 6°53'14 | 6♑24 | 3°57 | 25°58 | 11°40 | 22°25 | 20°14 | 18°44 | 23° 7 | 14°33 | 28° 0 | 28°28 | 9°15 | 2°53 | W24 |
| T 25 | 2 37 32 | 7°53'41 | 18°55 | 5°34 | 26°32 | 12°18 | 22°17 | 20°20 | 18°48 | 23° 9 | 14°32 | 27°59 | 28°24 | 9°21 | 2°53 | T 25 |
| F 26 | 2 41 28 | 8°54'10 | 1♒ 8 | 7°10 | 27° 8 | 12°56 | 22°10 | 20°25 | 18°52 | 23°11 | 14°30 | 27°D59 | 28°21 | 9°28 | 2°52 | F 26 |
| S 27 | 2 45 25 | 9°54'41 | 13° 7 | 8°46 | 27°45 | 13°34 | 22° 2 | 20°31 | 18°55 | 23°14 | 14°29 | 27°R59 | 28°18 | 9°35 | 2°51 | S 27 |
| S 28 | 2 49 21 | 10°55'13 | 24°58 | 10°22 | 28°23 | 14°12 | 21°54 | 20°37 | 18°59 | 23°16 | 14°28 | 27°58 | 28°15 | 9°41 | 2°51 | S 28 |
| M29 | 2 53 18 | 11°55'45 | 6♓47 | 11°58 | 29° 3 | 14°50 | 21°46 | 20°43 | 19° 2 | 23°18 | 14°27 | 27°55 | 28°12 | 9°48 | 2°50 | M29 |
| T 30 | 2 57 14 | 12°56'20 | 18°38 | 13°33 | 29°44 | 15°28 | 21°38 | 20°49 | 19° 6 | 23°20 | 14°26 | 27°50 | 28° 8 | 9°55 | 2°49 | T 30 |
| W31 | 3 1 11 | 13♏56'55 | 0♈36 | 15♏ 8 | 0♎26 | 16♒ 6 | 21♉30 | 20♐55 | 19♎ 9 | 23♎22 | 14♉25 | 27♑42 | 28♑ 5 | 10♓ 2 | 2♓49 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s29 | 9s50 | 2n21 | 3n 6 | 2n 1 | 1s53 | 5s46 | 23s34 | 2s58 | 17n58 | 1s 7 | 22s 6 | 0n56 | 6s18 | 0n35 | 7s 4 | 1n46 | 2n39 | 14s21 | 20s 2 | 20s19 | 6s13 | 5s13 | 5n27 |
| T 2 | 5 53 | 4 44 | 3 13 | 2 33 | 2 2 | 1 35 | 5 32 | 23 25 | 2 56 | 17 57 | 1 7 | 22 7 | 0 56 | 6 19 | 0 35 | 7 5 | 1 46 | 2 39 | 14 21 | 20 3 | 20 20 | 6 10 | 5 14 | 5 26 |
| W 3 | 6 16 | 0n33 | 3 56 | 1 58 | 2 3 | 1 18 | 5 18 | 23 15 | 2 53 | 17 56 | 1 7 | 22 7 | 0 56 | 6 21 | 0 35 | 7 6 | 1 46 | 2 38 | 14 21 | 20 5 | 20 20 | 6 7 | 5 15 | 5 26 |
| T 4 | 6 39 | 5 51 | 4 30 | 1 21 | 2 2 | 1 2 | 5 4 | 23 5 | 2 51 | 17 55 | 1 7 | 22 8 | 0 56 | 6 22 | 0 35 | 7 7 | 1 46 | 2 38 | 14 22 | 20 8 | 20 21 | 6 4 | 5 16 | 5 26 |
| F 5 | 7 2 | 11 0 | 4 52 | 0 43 | 2 1 | 0 47 | 4 50 | 22 56 | 2 48 | 17 53 | 1 8 | 22 8 | 0 55 | 6 24 | 0 35 | 7 7 | 1 46 | 2 38 | 14 22 | 20 11 | 20 22 | 6 1 | 5 17 | 5 26 |
| S 6 | 7 25 | 15 46 | 5 0 | 0 3 | 1 59 | 0 33 | 4 36 | 22 46 | 2 46 | 17 52 | 1 8 | 22 9 | 0 55 | 6 25 | 0 35 | 7 8 | 1 46 | 2 37 | 14 22 | 20 14 | 20 22 | 5 57 | 5 18 | 5 25 |
| S 7 | 7 48 | 19 57 | 4 54 | 0s38 | 1 57 | 0 20 | 4 22 | 22 35 | 2 43 | 17 51 | 1 8 | 22 9 | 0 55 | 6 26 | 0 35 | 7 9 | 1 46 | 2 37 | 14 22 | 20 17 | 20 23 | 5 54 | 5 18 | 5 25 |
| M 8 | 8 10 | 23 17 | 4 34 | 1 19 | 1 54 | 0 8 | 4 8 | 22 25 | 2 41 | 17 49 | 1 8 | 22 10 | 0 55 | 6 28 | 0 35 | 7 10 | 1 46 | 2 36 | 14 22 | 20 19 | 20 24 | 5 51 | 5 19 | 5 25 |
| T 9 | 8 33 | 25 29 | 4 0 | 2 1 | 1 50 | 0n 3 | 3 54 | 22 15 | 2 38 | 17 48 | 1 8 | 22 10 | 0 55 | 6 29 | 0 35 | 7 11 | 1 46 | 2 36 | 14 22 | 20 21 | 20 24 | 5 48 | 5 20 | 5 24 |
| W10 | 8 55 | 26 22 | 3 12 | 2 44 | 1 46 | 0 14 | 3 41 | 22 4 | 2 36 | 17 46 | 1 8 | 22 11 | 0 55 | 6 31 | 0 35 | 7 12 | 1 46 | 2 36 | 14 22 | 20 22 | 20 25 | 5 45 | 5 21 | 5 24 |
| T 11 | 9 17 | 25 45 | 2 14 | 3 26 | 1 42 | 0 23 | 3 27 | 21 53 | 2 34 | 17 45 | 1 8 | 22 12 | 0 55 | 6 32 | 0 35 | 7 12 | 1 46 | 2 35 | 14 22 | 20 23 | 20 26 | 5 42 | 5 22 | 5 24 |
| F 12 | 9 40 | 23 37 | 1 7 | 4 9 | 1 37 | 0 30 | 3 14 | 21 43 | 2 31 | 17 43 | 1 8 | 22 12 | 0 54 | 6 34 | 0 35 | 7 13 | 1 46 | 2 35 | 14 22 | 20 23 | 20 26 | 5 39 | 5 23 | 5 24 |
| S 13 | 10 2 | 20 4 | 0s 6 | 4 53 | 1 32 | 0 37 | 3 1 | 21 32 | 2 29 | 17 42 | 1 8 | 22 13 | 0 54 | 6 35 | 0 35 | 7 14 | 1 46 | 2 35 | 14 22 | 20 23 | 20 27 | 5 36 | 5 23 | 5 23 |
| S 14 | 10 24 | 15 19 | 1 19 | 5 36 | 1 27 | 0 43 | 2 48 | 21 20 | 2 26 | 17 40 | 1 8 | 22 13 | 0 54 | 6 37 | 0 35 | 7 15 | 1 46 | 2 34 | 14 22 | 20 23 | 20 28 | 5 32 | 5 24 | 5 23 |
| M15 | 10 45 | 9 38 | 2 29 | 6 19 | 1 21 | 0 48 | 2 35 | 21 9 | 2 24 | 17 39 | 1 8 | 22 14 | 0 54 | 6 38 | 0 35 | 7 16 | 1 46 | 2 34 | 14 22 | 20 24 | 20 28 | 5 29 | 5 25 | 5 23 |
| T 16 | 11 7 | 3 21 | 3 30 | 7 2 | 1 15 | 0 52 | 2 23 | 20 58 | 2 22 | 17 37 | 1 8 | 22 14 | 0 54 | 6 39 | 0 35 | 7 17 | 1 46 | 2 34 | 14 23 | 20 25 | 20 29 | 5 26 | 5 26 | 5 22 |
| W17 | 11 28 | 3s10 | 4 18 | 7 44 | 1 9 | 0 55 | 2 11 | 20 46 | 2 19 | 17 35 | 1 8 | 22 15 | 0 54 | 6 41 | 0 35 | 7 17 | 1 46 | 2 33 | 14 23 | 20 26 | 20 29 | 5 23 | 5 26 | 5 22 |
| T 18 | 11 49 | 9 32 | 4 49 | 8 26 | 1 3 | 0 57 | 1 59 | 20 34 | 2 17 | 17 33 | 1 8 | 22 15 | 0 54 | 6 42 | 0 35 | 7 18 | 1 46 | 2 33 | 14 23 | 20 28 | 20 30 | 5 20 | 5 27 | 5 22 |
| F 19 | 12 10 | 15 20 | 5 0 | 9 8 | 0 57 | 0 58 | 1 47 | 20 22 | 2 15 | 17 32 | 1 8 | 22 16 | 0 54 | 6 44 | 0 35 | 7 19 | 1 46 | 2 32 | 14 23 | 20 31 | 20 31 | 5 17 | 5 28 | 5 21 |
| S 20 | 12 31 | 20 11 | 4 52 | 9 50 | 0 51 | 0 58 | 1 36 | 20 10 | 2 13 | 17 30 | 1 8 | 22 17 | 0 53 | 6 45 | 0 35 | 7 20 | 1 46 | 2 32 | 14 23 | 20 33 | 20 31 | 5 14 | 5 29 | 5 21 |
| S 21 | 12 52 | 23 44 | 4 26 | 10 31 | 0 44 | 0 57 | 1 24 | 19 58 | 2 10 | 17 28 | 1 8 | 22 17 | 0 53 | 6 46 | 0 35 | 7 21 | 1 46 | 2 32 | 14 23 | 20 35 | 20 32 | 5 11 | 5 29 | 5 21 |
| M22 | 13 12 | 25 46 | 3 44 | 11 12 | 0 38 | 0 55 | 1 14 | 19 46 | 2 8 | 17 26 | 1 8 | 22 18 | 0 53 | 6 48 | 0 35 | 7 22 | 1 46 | 2 31 | 14 23 | 20 37 | 20 33 | 5 8 | 5 30 | 5 20 |
| T 23 | 13 33 | 26 15 | 2 52 | 11 52 | 0 31 | 0 52 | 1 3 | 19 33 | 2 6 | 17 24 | 1 8 | 22 18 | 0 53 | 6 49 | 0 35 | 7 22 | 1 46 | 2 31 | 14 23 | 20 39 | 20 33 | 5 4 | 5 31 | 5 20 |
| W24 | 13 53 | 25 15 | 1 52 | 12 31 | 0 24 | 0 48 | 0 52 | 19 21 | 2 4 | 17 22 | 1 7 | 22 19 | 0 53 | 6 51 | 0 35 | 7 23 | 1 46 | 2 31 | 14 23 | 20 39 | 20 34 | 5 1 | 5 31 | 5 20 |
| T 25 | 14 12 | 23 0 | 0 48 | 13 10 | 0 18 | 0 44 | 0 42 | 19 8 | 2 2 | 17 21 | 1 7 | 22 19 | 0 53 | 6 52 | 0 35 | 7 24 | 1 46 | 2 31 | 14 23 | 20 40 | 20 35 | 4 58 | 5 32 | 5 19 |
| F 26 | 14 32 | 19 44 | 0n17 | 13 48 | 0 11 | 0 39 | 0 33 | 18 55 | 2 0 | 17 19 | 1 7 | 22 20 | 0 53 | 6 53 | 0 35 | 7 25 | 1 46 | 2 30 | 14 23 | 20 40 | 20 35 | 4 55 | 5 32 | 5 19 |
| S 27 | 14 51 | 15 41 | 1 19 | 14 26 | 0 4 | 0 33 | 0 23 | 18 42 | 1 57 | 17 17 | 1 7 | 22 20 | 0 53 | 6 55 | 0 35 | 7 25 | 1 46 | 2 30 | 14 23 | 20 40 | 20 36 | 4 52 | 5 33 | 5 19 |
| S 28 | 15 10 | 11 6 | 2 18 | 15 2 | 0s 3 | 0 26 | 0 14 | 18 29 | 1 55 | 17 15 | 1 7 | 22 21 | 0 52 | 6 56 | 0 35 | 7 26 | 1 46 | 2 30 | 14 23 | 20 40 | 20 37 | 4 49 | 5 33 | 5 18 |
| M29 | 15 29 | 6 7 | 3 10 | 15 39 | 0 9 | 0 19 | 0 5 | 18 16 | 1 53 | 17 13 | 1 7 | 22 21 | 0 52 | 6 57 | 0 35 | 7 27 | 1 46 | 2 29 | 14 23 | 20 41 | 20 37 | 4 46 | 5 34 | 5 18 |
| T 30 | 15 48 | 0 55 | 3 55 | 16 14 | 0 16 | 0 10 | 0n 4 | 18 3 | 1 51 | 17 11 | 1 7 | 22 22 | 0 52 | 6 59 | 0 35 | 7 28 | 1 46 | 2 29 | 14 23 | 20 42 | 20 38 | 4 43 | 5 34 | 5 18 |
| W31 | 16s 6 | 4n21 | 4n29 | 16s48 | 0s22 | 0n 1 | 0n13 | 17s49 | 1s49 | 17n 9 | 1s 7 | 22s22 | 0n52 | 7s 0 | 0n35 | 7s29 | 1n46 | 2n29 | 14s23 | 20s43 | 20s39 | 4s39 | 5s35 | 5n17 |

Julian Day Number = 2135524.5, Delta T = 15m59s
Ecliptic obliquity = 23°33'11, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'38, Lahiri = 11°47'38 Julian Calendar 1 Oct. 1134 == Greg. Calendar 8 Oct. 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## NOVEMBER 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 5 8 | 14♏57'32 | 12♈44 | 16♏43 | 1♎ 9 | 16♒45 | 21°R22 | 21♐ 1 | 19♎13 | 23♎24 | 14°R24 | 27°R31 | 28♉ 2 | 10♓ 8 | 2°R49 | T 1 |
| F 2 | 3 9 4 | 15°58'11 | 25° 4 | 18°17 | 1°53 | 17°23 | 21♉14 | 21° 8 | 19°16 | 23°27 | 14♉23 | 27♉19 | 27°59 | 10°15 | 2♓48 | F 2 |
| S 3 | 3 13 1 | 16°58'50 | 7♉38 | 19°52 | 2°38 | 18° 2 | 21° 6 | 21°14 | 19°20 | 23°29 | 14°21 | 27° 6 | 27°56 | 10°22 | 2°48 | S 3 |
| S 4 | 3 16 57 | 17°59'31 | 20°26 | 21°26 | 3°24 | 18°41 | 20°57 | 21°20 | 19°23 | 23°31 | 14°20 | 26°53 | 27°53 | 10°28 | 2°48 | S 4 |
| M 5 | 3 20 54 | 19° 0'14 | 3♊27 | 23° 0 | 4°11 | 19°20 | 20°49 | 21°26 | 19°27 | 23°33 | 14°19 | 26°42 | 27°49 | 10°35 | 2°48 | M 5 |
| T 6 | 3 24 50 | 20° 0'58 | 16°40 | 24°34 | 4°59 | 19°59 | 20°41 | 21°33 | 19°30 | 23°35 | 14°18 | 26°34 | 27°46 | 10°42 | 2°48 | T 6 |
| W 7 | 3 28 47 | 21° 1'43 | 0♋ 3 | 26° 7 | 5°48 | 20°38 | 20°33 | 21°39 | 19°33 | 23°37 | 14°17 | 26°28 | 27°43 | 10°48 | 2°D48 | W 7 |
| T 8 | 3 32 43 | 22° 2'30 | 13°36 | 27°41 | 6°38 | 21°17 | 20°25 | 21°46 | 19°37 | 23°39 | 14°16 | 26°25 | 27°40 | 10°55 | 2°48 | T 8 |
| F 9 | 3 36 40 | 23° 3'19 | 27°18 | 29°14 | 7°29 | 21°56 | 20°17 | 21°52 | 19°40 | 23°41 | 14°15 | 26°D25 | 27°37 | 11° 2 | 2°48 | F 9 |
| S 10 | 3 40 37 | 24° 4'09 | 11♌ 8 | 0♐48 | 8°20 | 22°35 | 20° 8 | 21°59 | 19°43 | 23°43 | 14°14 | 26°25 | 27°34 | 11° 8 | 2°48 | S 10 |
| S 11 | 3 44 33 | 25° 5'00 | 25° 8 | 2°21 | 9°12 | 23°15 | 20° 0 | 22° 5 | 19°47 | 23°45 | 14°13 | 26°R25 | 27°30 | 11°15 | 2°48 | S 11 |
| M12 | 3 48 30 | 26° 5'53 | 9♍15 | 3°54 | 10° 5 | 23°54 | 19°52 | 22°12 | 19°50 | 23°47 | 14°11 | 26°25 | 27°27 | 11°22 | 2°48 | M12 |
| T 13 | 3 52 26 | 27° 6'48 | 23°31 | 5°28 | 10°59 | 24°34 | 19°44 | 22°18 | 19°53 | 23°49 | 14°10 | 26°22 | 27°24 | 11°28 | 2°49 | T 13 |
| W14 | 3 56 23 | 28° 7'44 | 7♎51 | 7° 1 | 11°53 | 25°13 | 19°36 | 22°25 | 19°56 | 23°51 | 14° 9 | 26°16 | 27°21 | 11°35 | 2°49 | W14 |
| T 15 | 4 0 19 | 29° 8'41 | 22°12 | 8°34 | 12°48 | 25°53 | 19°28 | 22°32 | 19°59 | 23°53 | 14° 8 | 26° 9 | 27°18 | 11°42 | 2°49 | T 15 |
| F 16 | 4 4 16 | 0♐ 9'39 | 6♏29 | 10° 7 | 13°44 | 26°33 | 19°20 | 22°38 | 20° 3 | 23°55 | 14° 7 | 26° 0 | 27°14 | 11°48 | 2°50 | F 16 |
| S 17 | 4 8 12 | 1°10'39 | 20°37 | 11°40 | 14°40 | 27°12 | 19°12 | 22°45 | 20° 6 | 23°57 | 14° 6 | 25°50 | 27°11 | 11°55 | 2°50 | S 17 |
| S 18 | 4 12 9 | 2°11'40 | 4♐30 | 13°13 | 15°37 | 27°52 | 19° 4 | 22°52 | 20° 9 | 23°58 | 14° 5 | 25°41 | 27° 8 | 12° 2 | 2°51 | S 18 |
| M19 | 4 16 6 | 3°12'41 | 18° 5 | 14°45 | 16°34 | 28°32 | 18°57 | 22°59 | 20°12 | 24° 0 | 14° 4 | 25°33 | 27° 5 | 12° 8 | 2°52 | M19 |
| T 20 | 4 20 2 | 4°13'44 | 1♑18 | 16°18 | 17°32 | 29°12 | 18°49 | 23° 6 | 20°15 | 24° 2 | 14° 3 | 25°28 | 27° 2 | 12°15 | 2°52 | T 20 |
| W21 | 4 23 59 | 5°14'47 | 14° 9 | 17°50 | 18°31 | 29°52 | 18°42 | 23°12 | 20°18 | 24° 4 | 14° 2 | 25°25 | 26°59 | 12°22 | 2°53 | W21 |
| T 22 | 4 27 55 | 6°15'51 | 26°40 | 19°23 | 19°30 | 0♓32 | 18°34 | 23°19 | 20°21 | 24° 6 | 14° 1 | 25°D25 | 26°55 | 12°29 | 2°54 | T 22 |
| F 23 | 4 31 52 | 7°16'56 | 8♒54 | 20°55 | 20°29 | 1°12 | 18°27 | 23°26 | 20°23 | 24° 8 | 14° 0 | 25°25 | 26°52 | 12°35 | 2°55 | F 23 |
| S 24 | 4 35 48 | 8°18'01 | 20°55 | 22°27 | 21°29 | 1°53 | 18°19 | 23°33 | 20°26 | 24° 9 | 13°59 | 25°27 | 26°49 | 12°42 | 2°56 | S 24 |
| S 25 | 4 39 45 | 9°19'06 | 2♓48 | 23°58 | 22°29 | 2°33 | 18°12 | 23°40 | 20°29 | 24°11 | 13°58 | 25°28 | 26°46 | 12°49 | 2°57 | S 25 |
| M26 | 4 43 41 | 10°20'12 | 14°38 | 25°29 | 23°30 | 3°13 | 18° 5 | 23°47 | 20°32 | 24°13 | 13°57 | 25°R28 | 26°43 | 12°55 | 2°58 | M26 |
| T 27 | 4 47 38 | 11°21'18 | 26°30 | 27° 0 | 24°31 | 3°54 | 17°58 | 23°54 | 20°35 | 24°14 | 13°56 | 25°27 | 26°40 | 13° 2 | 2°59 | T 27 |
| W28 | 4 51 35 | 12°22'25 | 8♈29 | 28°30 | 25°33 | 4°34 | 17°51 | 24° 1 | 20°37 | 24°16 | 13°55 | 25°23 | 26°36 | 13° 9 | 3° 0 | W28 |
| T 29 | 4 55 31 | 13°23'32 | 20°40 | 29°59 | 26°35 | 5°14 | 17°45 | 24° 8 | 20°40 | 24°18 | 13°54 | 25°18 | 26°33 | 13°15 | 3° 2 | T 29 |
| F 30 | 4 59 28 | 14♐24'40 | 3♉ 6 | 1♑27 | 27♎37 | 5♓55 | 17♉38 | 24♐15 | 20♎43 | 24♎19 | 13♉53 | 25♑11 | 26♑30 | 13♓22 | 3♓ 3 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s24 | 9n31 | 4n52 | 17s22 | 0s29 | 0s 8 | 0n21 | 17s35 | 1s47 | 17n 7 | 1s 7 | 22s23 | 0n52 | 7s 1 | 0n35 | 7s29 | 1n46 | 2n28 | 14s23 | 20s45 | 20s39 | 4s36 | 5s35 | 5n17 |
| F 2 | 16 42 | 14 25 | 5 1 | 17 55 | 0 35 | 0 18 | 0 29 | 17 22 | 1 45 | 17 5 | 1 7 | 22 24 | 0 52 | 7 3 | 0 35 | 7 30 | 1 46 | 2 28 | 14 23 | 20 48 | 20 40 | 4 33 | 5 36 | 5 17 |
| S 3 | 16 59 | 18 47 | 4 56 | 18 27 | 0 42 | 0 29 | 0 37 | 17 8 | 1 43 | 17 3 | 1 7 | 22 24 | 0 52 | 7 4 | 0 35 | 7 31 | 1 46 | 2 28 | 14 23 | 20 50 | 20 40 | 4 30 | 5 36 | 5 16 |
| S 4 | 17 16 | 22 23 | 4 37 | 18 58 | 0 48 | 0 41 | 0 44 | 16 54 | 1 41 | 17 1 | 1 7 | 22 25 | 0 52 | 7 5 | 0 35 | 7 32 | 1 46 | 2 28 | 14 23 | 20 53 | 20 41 | 4 27 | 5 37 | 5 16 |
| M 5 | 17 33 | 24 54 | 4 2 | 19 29 | 0 54 | 0 53 | 0 52 | 16 40 | 1 39 | 16 59 | 1 7 | 22 25 | 0 51 | 7 7 | 0 35 | 7 32 | 1 46 | 2 27 | 14 23 | 20 55 | 20 42 | 4 24 | 5 37 | 5 16 |
| T 6 | 17 50 | 26 7 | 3 15 | 19 58 | 1 0 | 1 6 | 0 59 | 16 25 | 1 37 | 16 56 | 1 6 | 22 26 | 0 51 | 7 8 | 0 35 | 7 33 | 1 46 | 2 27 | 14 22 | 20 56 | 20 42 | 4 21 | 5 37 | 5 15 |
| W 7 | 18 6 | 25 49 | 2 15 | 20 26 | 1 6 | 1 19 | 1 5 | 16 11 | 1 35 | 16 54 | 1 6 | 22 26 | 0 51 | 7 9 | 0 35 | 7 34 | 1 46 | 2 27 | 14 22 | 20 58 | 20 43 | 4 18 | 5 38 | 5 15 |
| T 8 | 18 22 | 23 59 | 1 8 | 20 54 | 1 12 | 1 33 | 1 12 | 15 57 | 1 33 | 16 52 | 1 6 | 22 27 | 0 51 | 7 10 | 0 35 | 7 35 | 1 46 | 2 27 | 14 22 | 20 58 | 20 44 | 4 14 | 5 38 | 5 15 |
| F 9 | 18 37 | 20 43 | 0s 5 | 21 20 | 1 17 | 1 47 | 1 18 | 15 42 | 1 31 | 16 50 | 1 6 | 22 27 | 0 51 | 7 12 | 0 35 | 7 35 | 1 46 | 2 26 | 14 22 | 20 58 | 20 44 | 4 11 | 5 38 | 5 14 |
| S 10 | 18 53 | 16 16 | 1 18 | 21 46 | 1 23 | 2 2 | 1 24 | 15 27 | 1 29 | 16 48 | 1 6 | 22 28 | 0 51 | 7 13 | 0 35 | 7 36 | 1 46 | 2 26 | 14 22 | 20 58 | 20 45 | 4 8 | 5 39 | 5 14 |
| S 11 | 19 8 | 10 54 | 2 27 | 22 10 | 1 28 | 2 17 | 1 30 | 15 13 | 1 28 | 16 46 | 1 6 | 22 28 | 0 51 | 7 14 | 0 35 | 7 37 | 1 47 | 2 26 | 14 22 | 20 58 | 20 45 | 4 5 | 5 39 | 5 14 |
| M12 | 19 22 | 4 55 | 3 28 | 22 33 | 1 33 | 2 33 | 1 36 | 14 58 | 1 26 | 16 44 | 1 6 | 22 29 | 0 51 | 7 15 | 0 35 | 7 37 | 1 47 | 2 26 | 14 22 | 20 58 | 20 46 | 4 2 | 5 39 | 5 13 |
| T 13 | 19 36 | 1s20 | 4 17 | 22 55 | 1 38 | 2 49 | 1 41 | 14 43 | 1 24 | 16 42 | 1 5 | 22 29 | 0 51 | 7 17 | 0 35 | 7 38 | 1 47 | 2 25 | 14 22 | 20 59 | 20 47 | 3 59 | 5 39 | 5 13 |
| W14 | 19 50 | 7 33 | 4 49 | 23 16 | 1 42 | 3 6 | 1 46 | 14 28 | 1 22 | 16 40 | 1 5 | 22 30 | 0 51 | 7 18 | 0 35 | 7 39 | 1 47 | 2 25 | 14 22 | 21 0 | 20 47 | 3 56 | 5 40 | 5 12 |
| T 15 | 20 4 | 13 23 | 5 4 | 23 36 | 1 47 | 3 23 | 1 51 | 14 13 | 1 20 | 16 38 | 1 5 | 22 30 | 0 50 | 7 19 | 0 35 | 7 39 | 1 47 | 2 25 | 14 22 | 21 1 | 20 48 | 3 53 | 5 40 | 5 12 |
| F 16 | 20 17 | 18 27 | 5 0 | 23 54 | 1 51 | 3 40 | 1 56 | 13 57 | 1 18 | 16 36 | 1 5 | 22 31 | 0 50 | 7 20 | 0 35 | 7 40 | 1 47 | 2 25 | 14 22 | 21 3 | 20 49 | 3 49 | 5 40 | 5 12 |
| S 17 | 20 30 | 22 26 | 4 37 | 24 11 | 1 55 | 3 58 | 2 0 | 13 42 | 1 17 | 16 34 | 1 5 | 22 31 | 0 50 | 7 21 | 0 35 | 7 41 | 1 47 | 2 25 | 14 22 | 21 5 | 20 49 | 3 46 | 5 40 | 5 11 |
| S 18 | 20 42 | 25 3 | 3 58 | 24 27 | 1 59 | 4 15 | 2 5 | 13 26 | 1 15 | 16 32 | 1 5 | 22 31 | 0 50 | 7 22 | 0 35 | 7 41 | 1 47 | 2 24 | 14 21 | 21 6 | 20 50 | 3 43 | 5 40 | 5 11 |
| M19 | 20 54 | 26 7 | 3 7 | 24 42 | 2 2 | 4 34 | 2 9 | 13 11 | 1 13 | 16 30 | 1 4 | 22 32 | 0 50 | 7 23 | 0 35 | 7 42 | 1 47 | 2 24 | 14 21 | 21 8 | 20 50 | 3 40 | 5 40 | 5 11 |
| T 20 | 21 5 | 25 39 | 2 6 | 24 55 | 2 5 | 4 52 | 2 13 | 12 55 | 1 11 | 16 28 | 1 4 | 22 32 | 0 50 | 7 25 | 0 35 | 7 43 | 1 47 | 2 24 | 14 21 | 21 9 | 20 51 | 3 37 | 5 40 | 5 10 |
| W21 | 21 17 | 23 48 | 1 0 | 25 7 | 2 8 | 5 11 | 2 16 | 12 40 | 1 10 | 16 26 | 1 4 | 22 33 | 0 50 | 7 26 | 0 35 | 7 43 | 1 47 | 2 24 | 14 21 | 21 9 | 20 52 | 3 34 | 5 40 | 5 10 |
| T 22 | 21 27 | 20 49 | 0n 7 | 25 17 | 2 10 | 5 30 | 2 20 | 12 24 | 1 8 | 16 25 | 1 4 | 22 33 | 0 50 | 7 27 | 0 35 | 7 44 | 1 47 | 2 24 | 14 21 | 21 9 | 20 52 | 3 31 | 5 40 | 5 10 |
| F 23 | 21 38 | 16 57 | 1 12 | 25 26 | 2 12 | 5 50 | 2 23 | 12 8 | 1 6 | 16 23 | 1 4 | 22 34 | 0 50 | 7 28 | 0 35 | 7 45 | 1 47 | 2 24 | 14 21 | 21 9 | 20 53 | 3 28 | 5 40 | 5 9 |
| S 24 | 21 48 | 12 29 | 2 13 | 25 34 | 2 14 | 6 9 | 2 26 | 11 52 | 1 5 | 16 21 | 1 3 | 22 34 | 0 50 | 7 29 | 0 35 | 7 45 | 1 47 | 2 24 | 14 21 | 21 9 | 20 54 | 3 25 | 5 40 | 5 9 |
| S 25 | 21 57 | 7 36 | 3 8 | 25 40 | 2 15 | 6 29 | 2 29 | 11 36 | 1 3 | 16 19 | 1 3 | 22 35 | 0 50 | 7 30 | 0 35 | 7 46 | 1 47 | 2 23 | 14 20 | 21 9 | 20 54 | 3 21 | 5 40 | 5 9 |
| M26 | 22 6 | 2 28 | 3 55 | 25 44 | 2 16 | 6 49 | 2 32 | 11 20 | 1 1 | 16 17 | 1 3 | 22 35 | 0 49 | 7 31 | 0 35 | 7 46 | 1 47 | 2 23 | 14 20 | 21 9 | 20 55 | 3 18 | 5 40 | 5 8 |
| T 27 | 22 15 | 2n45 | 4 31 | 25 47 | 2 16 | 7 9 | 2 35 | 11 3 | 1 0 | 16 16 | 1 3 | 22 35 | 0 49 | 7 32 | 0 35 | 7 47 | 1 47 | 2 23 | 14 20 | 21 9 | 20 55 | 3 15 | 5 40 | 5 8 |
| W28 | 22 23 | 7 55 | 4 56 | 25 48 | 2 16 | 7 29 | 2 37 | 10 47 | 0 58 | 16 14 | 1 3 | 22 36 | 0 49 | 7 33 | 0 35 | 7 47 | 1 47 | 2 23 | 14 20 | 21 10 | 20 56 | 3 12 | 5 40 | 5 8 |
| T 29 | 22 31 | 12 52 | 5 8 | 25 48 | 2 15 | 7 49 | 2 39 | 10 31 | 0 57 | 16 12 | 1 2 | 22 36 | 0 49 | 7 34 | 0 35 | 7 48 | 1 47 | 2 23 | 14 20 | 21 11 | 20 57 | 3 9 | 5 40 | 5 7 |
| F 30 | 22s38 | 17n24 | 5n 7 | 25s46 | 2s14 | 8s10 | 2n41 | 10s14 | 0s55 | 16n11 | 1s 2 | 22s37 | 0n49 | 7s35 | 0n35 | 7s49 | 1n47 | 2n23 | 14s20 | 21s12 | 20s57 | 3s 6 | 5s40 | 5n 7 |

Julian Day Number = 2135555.5, Delta T = 15m59s
Ecliptic obliquity = 23°33'10, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'42, Lahiri = 11°47'42 Julian Calendar 1 Nov. 1134 == Greg. Calendar 8 Nov. 1134


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# ASTRODIENST EPHEMERIS for the year 1134
# geocentric

## DECEMBER 1134 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 3 24 | 15♐25'47 | 15♉50 | 2♑54 | 28♎40 | 6♓35 | 17°R32 | 24♐22 | 20♎45 | 24♎21 | 13°R52 | 25°R 4 | 26♑27 | 13♓29 | 3♓ 4 | S 1 |
| S 2 | 5 7 21 | 16°26'55 | 28°52 | 4°20 | 29°43 | 7°16 | 17♉26 | 24°29 | 20°48 | 24°22 | 13♉51 | 24♑57 | 26°24 | 13°35 | 3° 6 | S 2 |
| M 3 | 5 11 17 | 17°28'04 | 12♊12 | 5°44 | 0♏46 | 7°57 | 17°19 | 24°36 | 20°50 | 24°24 | 13°50 | 24°51 | 26°20 | 13°42 | 3° 7 | M 3 |
| T 4 | 5 15 14 | 18°29'13 | 25°48 | 7° 6 | 1°50 | 8°37 | 17°14 | 24°43 | 20°53 | 24°25 | 13°49 | 24°46 | 26°17 | 13°49 | 3° 9 | T 4 |
| W 5 | 5 19 11 | 19°30'22 | 9♋38 | 8°26 | 2°54 | 9°18 | 17° 8 | 24°50 | 20°55 | 24°27 | 13°48 | 24°43 | 26°14 | 13°55 | 3°10 | W 5 |
| T 6 | 5 23 7 | 20°31'32 | 23°38 | 9°43 | 3°58 | 9°58 | 17° 2 | 24°57 | 20°57 | 24°28 | 13°47 | 24°D42 | 26°11 | 14° 2 | 3°12 | T 6 |
| F 7 | 5 27 4 | 21°32'42 | 7♌44 | 10°57 | 5° 3 | 10°39 | 16°57 | 25° 4 | 21° 0 | 24°30 | 13°46 | 24°43 | 26° 8 | 14° 9 | 3°14 | F 7 |
| S 8 | 5 31 0 | 22°33'53 | 21°55 | 12° 8 | 6° 8 | 11°20 | 16°51 | 25°11 | 21° 2 | 24°31 | 13°46 | 24°44 | 26° 5 | 14°16 | 3°15 | S 8 |
| S 9 | 5 34 57 | 23°35'04 | 6♍ 6 | 13°14 | 7°13 | 12° 1 | 16°46 | 25°18 | 21° 4 | 24°33 | 13°45 | 24°46 | 26° 1 | 14°22 | 3°17 | S 9 |
| M10 | 5 38 53 | 24°36'15 | 20°17 | 14°15 | 8°19 | 12°41 | 16°41 | 25°25 | 21° 6 | 24°34 | 13°44 | 24°R47 | 25°58 | 14°29 | 3°19 | M10 |
| T 11 | 5 42 50 | 25°37'27 | 4♎25 | 15°10 | 9°25 | 13°22 | 16°36 | 25°32 | 21° 9 | 24°35 | 13°43 | 24°46 | 25°55 | 14°36 | 3°21 | T 11 |
| W12 | 5 46 46 | 26°38'40 | 18°28 | 15°59 | 10°31 | 14° 3 | 16°32 | 25°40 | 21°11 | 24°36 | 13°42 | 24°45 | 25°52 | 14°42 | 3°23 | W12 |
| T 13 | 5 50 43 | 27°39'52 | 2♏25 | 16°40 | 11°37 | 14°44 | 16°27 | 25°47 | 21°13 | 24°38 | 13°41 | 24°42 | 25°49 | 14°49 | 3°25 | T 13 |
| F 14 | 5 54 40 | 28°41'05 | 16°14 | 17°14 | 12°44 | 15°25 | 16°23 | 25°54 | 21°15 | 24°39 | 13°41 | 24°38 | 25°46 | 14°56 | 3°27 | F 14 |
| S 15 | 5 58 36 | 29°42'19 | 29°53 | 17°37 | 13°51 | 16° 5 | 16°19 | 26° 1 | 21°17 | 24°40 | 13°40 | 24°34 | 25°42 | 15° 2 | 3°29 | S 15 |
| S 16 | 6 2 33 | 0♑43'32 | 13♐19 | 17°51 | 14°58 | 16°46 | 16°15 | 26° 8 | 21°19 | 24°41 | 13°39 | 24°30 | 25°39 | 15° 9 | 3°31 | S 16 |
| M17 | 6 6 29 | 1°44'46 | 26°30 | 17°R54 | 16° 5 | 17°27 | 16°11 | 26°15 | 21°20 | 24°43 | 13°39 | 24°27 | 25°36 | 15°16 | 3°33 | M17 |
| T 18 | 6 10 26 | 2°45'59 | 9♑26 | 17°46 | 17°12 | 18° 8 | 16° 8 | 26°22 | 21°22 | 24°44 | 13°38 | 24°25 | 25°33 | 15°22 | 3°36 | T 18 |
| W19 | 6 14 22 | 3°47'12 | 22° 6 | 17°26 | 18°20 | 18°49 | 16° 4 | 26°29 | 21°24 | 24°45 | 13°37 | 24°D24 | 25°30 | 15°29 | 3°38 | W19 |
| T 20 | 6 18 19 | 4°48'25 | 4♒31 | 16°53 | 19°28 | 19°30 | 16° 1 | 26°36 | 21°26 | 24°46 | 13°36 | 24°25 | 25°26 | 15°36 | 3°40 | T 20 |
| F 21 | 6 22 15 | 5°49'37 | 16°42 | 16°10 | 20°36 | 20°11 | 15°58 | 26°43 | 21°27 | 24°47 | 13°36 | 24°26 | 25°23 | 15°43 | 3°43 | F 21 |
| S 22 | 6 26 12 | 6°50'49 | 28°42 | 15°16 | 21°44 | 20°52 | 15°55 | 26°50 | 21°29 | 24°48 | 13°35 | 24°27 | 25°20 | 15°49 | 3°45 | S 22 |
| S 23 | 6 30 9 | 7°52'00 | 10♓35 | 14°12 | 22°52 | 21°33 | 15°53 | 26°57 | 21°30 | 24°49 | 13°35 | 24°29 | 25°17 | 15°56 | 3°48 | S 23 |
| M24 | 6 34 5 | 8°53'11 | 22°26 | 13° 2 | 24° 1 | 22°14 | 15°51 | 27° 4 | 21°32 | 24°50 | 13°34 | 24°30 | 25°14 | 16° 3 | 3°50 | M24 |
| T 25 | 6 38 2 | 9°54'20 | 4♈17 | 11°46 | 25° 9 | 22°55 | 15°48 | 27°11 | 21°33 | 24°50 | 13°33 | 24°31 | 25°11 | 16° 9 | 3°53 | T 25 |
| W26 | 6 41 58 | 10°55'30 | 16°16 | 10°27 | 26°18 | 23°36 | 15°47 | 27°18 | 21°35 | 24°51 | 13°33 | 24°R31 | 25° 7 | 16°16 | 3°55 | W26 |
| T 27 | 6 45 55 | 11°56'38 | 28°25 | 9° 8 | 27°27 | 24°17 | 15°45 | 27°25 | 21°36 | 24°52 | 13°32 | 24°30 | 25° 4 | 16°23 | 3°58 | T 27 |
| F 28 | 6 49 51 | 12°57'46 | 10♉50 | 7°51 | 28°36 | 24°58 | 15°43 | 27°32 | 21°37 | 24°53 | 13°32 | 24°29 | 25° 1 | 16°29 | 4° 1 | F 28 |
| S 29 | 6 53 48 | 13°58'53 | 23°35 | 6°39 | 29°45 | 25°39 | 15°42 | 27°39 | 21°39 | 24°54 | 13°31 | 24°28 | 24°58 | 16°36 | 4° 3 | S 29 |
| S 30 | 6 57 44 | 14°59'59 | 6♊42 | 5°32 | 0♐55 | 26°20 | 15°41 | 27°46 | 21°40 | 24°54 | 13°31 | 24°26 | 24°55 | 16°43 | 4° 6 | S 30 |
| M31 | 7 1 41 | 16♑ 1'04 | 20♊11 | 4♑34 | 2♐ 4 | 27♓ 1 | 15♉40 | 27♐53 | 21♎41 | 24♎55 | 13♉30 | 24♑25 | 24♑52 | 16♓49 | 4♓ 9 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s45 | 21n16 | 4n50 | 25s43 | 2s12 | 8s30 | 2n43 | 9s58 | 0s54 | 16n 9 | 1s 2 | 22s37 | 0n49 | 7s36 | 0n35 | 7s49 | 1n47 | 2n23 | 14s19 | 21s13 | 20s58 | 3s 3 | 5s39 | 5n 7 |
| S 2 | 22 52 | 24 11 | 4 17 | 25 38 | 2 9 | 8 51 | 2 45 | 9 41 | 0 52 | 16 8 | 1 2 | 22 37 | 0 49 | 7 37 | 0 35 | 7 50 | 1 47 | 2 23 | 14 19 | 21 14 | 20 58 | 3 0 | 5 39 | 5 6 |
| M 3 | 22 58 | 25 50 | 3 31 | 25 31 | 2 6 | 9 12 | 2 47 | 9 25 | 0 50 | 16 6 | 1 1 | 22 38 | 0 49 | 7 38 | 0 35 | 7 50 | 1 47 | 2 23 | 14 19 | 21 16 | 20 59 | 2 56 | 5 39 | 5 6 |
| T 4 | 23 3 | 26 0 | 2 31 | 25 23 | 2 2 | 9 32 | 2 48 | 9 8 | 0 49 | 16 5 | 1 1 | 22 38 | 0 49 | 7 39 | 0 35 | 7 51 | 1 47 | 2 23 | 14 19 | 21 16 | 21 0 | 2 53 | 5 39 | 5 6 |
| W 5 | 23 8 | 24 33 | 1 21 | 25 13 | 1 57 | 9 53 | 2 49 | 8 51 | 0 47 | 16 3 | 1 1 | 22 38 | 0 49 | 7 40 | 0 35 | 7 51 | 1 48 | 2 22 | 14 19 | 21 17 | 21 0 | 2 50 | 5 39 | 5 5 |
| T 6 | 23 13 | 21 34 | 0 6 | 25 2 | 1 51 | 10 14 | 2 50 | 8 34 | 0 46 | 16 2 | 1 1 | 22 39 | 0 49 | 7 40 | 0 35 | 7 52 | 1 48 | 2 22 | 14 18 | 21 17 | 21 1 | 2 47 | 5 38 | 5 5 |
| F 7 | 23 17 | 17 17 | 1s11 | 24 50 | 1 44 | 10 35 | 2 51 | 8 18 | 0 45 | 16 1 | 1 0 | 22 39 | 0 49 | 7 41 | 0 35 | 7 52 | 1 48 | 2 22 | 14 18 | 21 17 | 21 1 | 2 44 | 5 38 | 5 5 |
| S 8 | 23 21 | 12 1 | 2 23 | 24 36 | 1 36 | 10 56 | 2 52 | 8 1 | 0 43 | 15 59 | 1 0 | 22 39 | 0 49 | 7 42 | 0 35 | 7 53 | 1 48 | 2 22 | 14 18 | 21 17 | 21 2 | 2 41 | 5 38 | 5 4 |
| S 9 | 23 24 | 6 6 | 3 27 | 24 21 | 1 28 | 11 16 | 2 52 | 7 44 | 0 42 | 15 58 | 1 0 | 22 40 | 0 48 | 7 43 | 0 35 | 7 53 | 1 48 | 2 22 | 14 18 | 21 17 | 21 3 | 2 38 | 5 37 | 5 4 |
| M10 | 23 27 | 0s 6 | 4 19 | 24 5 | 1 18 | 11 37 | 2 53 | 7 27 | 0 40 | 15 57 | 1 0 | 22 40 | 0 48 | 7 44 | 0 35 | 7 53 | 1 48 | 2 22 | 14 18 | 21 16 | 21 3 | 2 35 | 5 37 | 5 4 |
| T 11 | 23 29 | 6 15 | 4 54 | 23 48 | 1 7 | 11 58 | 2 53 | 7 10 | 0 39 | 15 56 | 0 59 | 22 40 | 0 48 | 7 45 | 0 35 | 7 54 | 1 48 | 2 22 | 14 17 | 21 16 | 21 4 | 2 32 | 5 37 | 5 3 |
| W12 | 23 31 | 12 4 | 5 11 | 23 30 | 0 55 | 12 18 | 2 53 | 6 53 | 0 37 | 15 55 | 0 59 | 22 41 | 0 48 | 7 45 | 0 35 | 7 54 | 1 48 | 2 22 | 14 17 | 21 17 | 21 4 | 2 28 | 5 36 | 5 3 |
| T 13 | 23 32 | 17 13 | 5 11 | 23 12 | 0 42 | 12 38 | 2 53 | 6 36 | 0 36 | 15 54 | 0 59 | 22 41 | 0 48 | 7 46 | 0 35 | 7 55 | 1 48 | 2 22 | 14 17 | 21 17 | 21 5 | 2 25 | 5 36 | 5 3 |
| F 14 | 23 33 | 21 25 | 4 52 | 22 53 | 0 27 | 12 59 | 2 53 | 6 19 | 0 35 | 15 53 | 0 59 | 22 41 | 0 48 | 7 47 | 0 35 | 7 55 | 1 48 | 2 22 | 14 17 | 21 18 | 21 6 | 2 22 | 5 35 | 5 2 |
| S 15 | 23 33 | 24 23 | 4 16 | 22 35 | 0 12 | 13 19 | 2 53 | 6 1 | 0 33 | 15 52 | 0 58 | 22 42 | 0 48 | 7 47 | 0 35 | 7 56 | 1 48 | 2 22 | 14 16 | 21 19 | 21 6 | 2 19 | 5 35 | 5 2 |
| S 16 | 23 33 | 25 56 | 3 27 | 22 16 | 0n 5 | 13 39 | 2 53 | 5 44 | 0 32 | 15 51 | 0 58 | 22 42 | 0 48 | 7 48 | 0 35 | 7 56 | 1 48 | 2 22 | 14 16 | 21 19 | 21 7 | 2 16 | 5 34 | 5 2 |
| M17 | 23 32 | 25 58 | 2 28 | 21 59 | 0 23 | 13 59 | 2 52 | 5 27 | 0 31 | 15 50 | 0 58 | 22 42 | 0 48 | 7 49 | 0 35 | 7 56 | 1 48 | 2 22 | 14 16 | 21 20 | 21 7 | 2 13 | 5 34 | 5 2 |
| T 18 | 23 31 | 24 34 | 1 22 | 21 41 | 0 41 | 14 18 | 2 52 | 5 10 | 0 29 | 15 49 | 0 58 | 22 42 | 0 48 | 7 49 | 0 35 | 7 57 | 1 48 | 2 22 | 14 16 | 21 20 | 21 8 | 2 10 | 5 33 | 5 1 |
| W19 | 23 30 | 21 56 | 0 13 | 21 25 | 1 0 | 14 38 | 2 51 | 4 52 | 0 28 | 15 49 | 0 57 | 22 43 | 0 48 | 7 50 | 0 35 | 7 57 | 1 48 | 2 23 | 14 15 | 21 20 | 21 9 | 2 7 | 5 33 | 5 1 |
| T 20 | 23 28 | 18 20 | 0n56 | 21 10 | 1 19 | 14 57 | 2 50 | 4 35 | 0 27 | 15 48 | 0 57 | 22 43 | 0 48 | 7 51 | 0 35 | 7 57 | 1 48 | 2 23 | 14 15 | 21 20 | 21 9 | 2 4 | 5 32 | 5 1 |
| F 21 | 23 25 | 14 0 | 2 0 | 20 56 | 1 39 | 15 16 | 2 49 | 4 18 | 0 25 | 15 47 | 0 57 | 22 43 | 0 48 | 7 51 | 0 36 | 7 58 | 1 48 | 2 23 | 14 15 | 21 20 | 21 10 | 2 0 | 5 32 | 5 0 |
| S 22 | 23 22 | 9 12 | 2 58 | 20 44 | 1 58 | 15 35 | 2 48 | 4 0 | 0 24 | 15 47 | 0 57 | 22 43 | 0 48 | 7 52 | 0 36 | 7 58 | 1 48 | 2 23 | 14 15 | 21 20 | 21 10 | 1 57 | 5 31 | 5 0 |
| S 23 | 23 19 | 4 7 | 3 48 | 20 33 | 2 16 | 15 53 | 2 47 | 3 43 | 0 23 | 15 46 | 0 56 | 22 43 | 0 48 | 7 52 | 0 36 | 7 58 | 1 49 | 2 23 | 14 14 | 21 19 | 21 11 | 1 54 | 5 30 | 5 0 |
| M24 | 23 15 | 1n 5 | 4 28 | 20 23 | 2 32 | 16 11 | 2 46 | 3 26 | 0 22 | 15 46 | 0 56 | 22 44 | 0 48 | 7 53 | 0 36 | 7 58 | 1 49 | 2 23 | 14 14 | 21 19 | 21 11 | 1 51 | 5 30 | 4 59 |
| T 25 | 23 11 | 6 15 | 4 57 | 20 15 | 2 47 | 16 29 | 2 44 | 3 8 | 0 20 | 15 46 | 0 56 | 22 44 | 0 47 | 7 54 | 0 36 | 7 59 | 1 49 | 2 23 | 14 14 | 21 19 | 21 12 | 1 48 | 5 29 | 4 59 |
| W26 | 23 6 | 11 14 | 5 13 | 20 9 | 3 0 | 16 47 | 2 43 | 2 51 | 0 19 | 15 45 | 0 55 | 22 44 | 0 47 | 7 54 | 0 36 | 7 59 | 1 49 | 2 23 | 14 13 | 21 19 | 21 13 | 1 45 | 5 28 | 4 59 |
| T 27 | 23 1 | 15 52 | 5 16 | 20 4 | 3 10 | 17 4 | 2 41 | 2 33 | 0 18 | 15 45 | 0 55 | 22 44 | 0 47 | 7 54 | 0 36 | 7 59 | 1 49 | 2 23 | 14 13 | 21 19 | 21 13 | 1 42 | 5 28 | 4 59 |
| F 28 | 22 55 | 19 57 | 5 4 | 20 1 | 3 19 | 17 21 | 2 39 | 2 16 | 0 17 | 15 45 | 0 55 | 22 44 | 0 47 | 7 55 | 0 36 | 7 59 | 1 49 | 2 23 | 14 13 | 21 19 | 21 14 | 1 39 | 5 27 | 4 58 |
| S 29 | 22 49 | 23 13 | 4 37 | 19 59 | 3 24 | 17 38 | 2 37 | 1 59 | 0 16 | 15 45 | 0 55 | 22 45 | 0 47 | 7 55 | 0 36 | 8 0 | 1 49 | 2 24 | 14 13 | 21 20 | 21 14 | 1 36 | 5 26 | 4 58 |
| S 30 | 22 42 | 25 23 | 3 55 | 19 59 | 3 27 | 17 54 | 2 36 | 1 41 | 0 15 | 15 45 | 0 54 | 22 45 | 0 47 | 7 56 | 0 36 | 8 0 | 1 49 | 2 24 | 14 12 | 21 20 | 21 15 | 1 32 | 5 25 | 4 58 |
| M31 | 22s35 | 26n 9 | 2n59 | 20s 1 | 3n28 | 18s10 | 2n34 | 1s24 | 0s13 | 15n45 | 0s54 | 22s45 | 0n47 | 7s56 | 0n36 | 8s 0 | 1n49 | 2n24 | 14s12 | 21s20 | 21s15 | 1s29 | 5s25 | 4n58 |

Julian Day Number = 2135585.5, Delta T = 15m58s
Ecliptic obliquity = 23°33'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'46, Lahiri = 11°47'47 Julian Calendar 1 Dec. 1134 == Greg. Calendar 8 Dec. 1134


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## JANUARY 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 5 38 | 17♉ 2'09 | 4♋ 4 | 3°R43 | 3♐14 | 27♓42 | 15°R39 | 28♐ 0 | 21♎42 | 24♎56 | 13°R30 | 24°R24 | 24♉48 | 16♓56 | 4♓12 | T 1 |
| W 2 | 7 9 34 | 18° 3'13 | 18°15 | 3♉ 2 | 4°23 | 28°23 | 15♉39 | 28° 6 | 21°43 | 24°56 | 13♉30 | 24°D24 | 24°45 | 17° 3 | 4°15 | W 2 |
| T 3 | 7 13 31 | 19° 4'16 | 2♌42 | 2°30 | 5°33 | 29° 4 | 15°39 | 28°13 | 21°44 | 24°57 | 13°29 | 24♉24 | 24°42 | 17°10 | 4°18 | T 3 |
| F 4 | 7 17 27 | 20° 5'18 | 17°19 | 2° 7 | 6°43 | 29°45 | 15°D39 | 28°20 | 21°45 | 24°58 | 13°29 | 24°24 | 24°39 | 17°16 | 4°21 | F 4 |
| S 5 | 7 21 24 | 21° 6'19 | 1♍58 | 1°53 | 7°53 | 0♈26 | 15°39 | 28°27 | 21°46 | 24°58 | 13°28 | 24°25 | 24°36 | 17°23 | 4°24 | S 5 |
| S 6 | 7 25 20 | 22° 7'20 | 16°34 | 1°D48 | 9° 4 | 1° 7 | 15°39 | 28°33 | 21°46 | 24°59 | 13°28 | 24°25 | 24°32 | 17°30 | 4°27 | S 6 |
| M 7 | 7 29 17 | 23° 8'20 | 1♎ 2 | 1°51 | 10°14 | 1°48 | 15°40 | 28°40 | 21°47 | 24°59 | 13°28 | 24°25 | 24°29 | 17°36 | 4°30 | M 7 |
| T 8 | 7 33 14 | 24° 9'20 | 15°18 | 2° 1 | 11°24 | 2°29 | 15°40 | 28°47 | 21°48 | 24°59 | 13°28 | 24°25 | 24°26 | 17°43 | 4°33 | T 8 |
| W 9 | 7 37 10 | 25°10'19 | 29°19 | 2°19 | 12°35 | 3°10 | 15°41 | 28°53 | 21°48 | 25° 0 | 13°27 | 24°25 | 24°23 | 17°50 | 4°36 | W 9 |
| T 10 | 7 41 7 | 26°11'17 | 13♏ 5 | 2°42 | 13°46 | 3°51 | 15°42 | 29° 0 | 21°49 | 25° 0 | 13°27 | 24°25 | 24°20 | 17°56 | 4°39 | T 10 |
| F 11 | 7 45 3 | 27°12'15 | 26°35 | 3°12 | 14°56 | 4°32 | 15°44 | 29° 6 | 21°50 | 25° 1 | 13°27 | 24°26 | 24°17 | 18° 3 | 4°42 | F 11 |
| S 12 | 7 49 0 | 28°13'12 | 9♐49 | 3°47 | 16° 7 | 5°13 | 15°45 | 29°13 | 21°50 | 25° 1 | 13°27 | 24°26 | 24°13 | 18°10 | 4°45 | S 12 |
| S 13 | 7 52 56 | 29°14'08 | 22°50 | 4°26 | 17°18 | 5°54 | 15°47 | 29°19 | 21°50 | 25° 1 | 13°26 | 24°26 | 24°10 | 18°17 | 4°49 | S 13 |
| M14 | 7 56 53 | 0♒15'03 | 5♑37 | 5°11 | 18°29 | 6°35 | 15°49 | 29°26 | 21°51 | 25° 1 | 13°26 | 24°27 | 24° 7 | 18°23 | 4°52 | M14 |
| T 15 | 8 0 49 | 1°15'57 | 18°12 | 5°59 | 19°40 | 7°16 | 15°51 | 29°32 | 21°51 | 25° 1 | 13°26 | 24°R27 | 24° 4 | 18°30 | 4°55 | T 15 |
| W16 | 8 4 46 | 2°16'50 | 0♒35 | 6°50 | 20°51 | 7°57 | 15°54 | 29°39 | 21°51 | 25° 2 | 13°26 | 24°27 | 24° 1 | 18°37 | 4°59 | W16 |
| T 17 | 8 8 43 | 3°17'41 | 12°48 | 7°46 | 22° 3 | 8°38 | 15°56 | 29°45 | 21°51 | 25° 2 | 13°26 | 24°27 | 23°58 | 18°43 | 5° 2 | T 17 |
| F 18 | 8 12 39 | 4°18'32 | 24°52 | 8°44 | 23°14 | 9°19 | 15°59 | 29°51 | 21°52 | 25° 2 | 13°26 | 24°26 | 23°54 | 18°50 | 5° 5 | F 18 |
| S 19 | 8 16 36 | 5°19'20 | 6♓49 | 9°45 | 24°25 | 9°59 | 16° 2 | 29°57 | 21°52 | 25° 2 | 13°26 | 24°24 | 23°51 | 18°57 | 5° 9 | S 19 |
| S 20 | 8 20 32 | 6°20'08 | 18°41 | 10°48 | 25°37 | 10°40 | 16° 5 | 0♑ 4 | 21°R52 | 25°R 2 | 13°26 | 24°22 | 23°48 | 19° 3 | 5°12 | S 20 |
| M21 | 8 24 29 | 7°20'53 | 0♈32 | 11°54 | 26°48 | 11°21 | 16° 8 | 0°10 | 21°52 | 25° 2 | 13°D26 | 24°20 | 23°45 | 19°10 | 5°16 | M21 |
| T 22 | 8 28 25 | 8°21'38 | 12°23 | 13° 2 | 28° 0 | 12° 2 | 16°12 | 0°16 | 21°52 | 25° 2 | 13°26 | 24°19 | 23°42 | 19°17 | 5°19 | T 22 |
| W23 | 8 32 22 | 9°22'20 | 24°20 | 14°13 | 29°11 | 12°43 | 16°16 | 0°22 | 21°51 | 25° 2 | 13°26 | 24°17 | 23°38 | 19°24 | 5°23 | W23 |
| T 24 | 8 36 18 | 10°23'01 | 6♉26 | 15°25 | 0♑23 | 13°24 | 16°20 | 0°28 | 21°51 | 25° 2 | 13°26 | 24°D17 | 23°35 | 19°30 | 5°26 | T 24 |
| F 25 | 8 40 15 | 11°23'41 | 18°47 | 16°38 | 1°35 | 14° 5 | 16°24 | 0°34 | 21°51 | 25° 1 | 13°26 | 24°17 | 23°32 | 19°37 | 5°30 | F 25 |
| S 26 | 8 44 12 | 12°24'18 | 1♊26 | 17°54 | 2°46 | 14°45 | 16°28 | 0°40 | 21°51 | 25° 1 | 13°26 | 24°18 | 23°29 | 19°44 | 5°33 | S 26 |
| S 27 | 8 48 8 | 13°24'54 | 14°28 | 19°11 | 3°58 | 15°26 | 16°32 | 0°46 | 21°50 | 25° 1 | 13°26 | 24°19 | 23°26 | 19°50 | 5°37 | S 27 |
| M28 | 8 52 5 | 14°25'28 | 27°56 | 20°29 | 5°10 | 16° 7 | 16°37 | 0°51 | 21°50 | 25° 1 | 13°26 | 24°21 | 23°23 | 19°57 | 5°41 | M28 |
| T 29 | 8 56 1 | 15°26'00 | 11♋50 | 21°49 | 6°22 | 16°48 | 16°42 | 0°57 | 21°49 | 25° 0 | 13°26 | 24°22 | 23°19 | 20° 4 | 5°44 | T 29 |
| W30 | 8 59 58 | 16°26'31 | 26°11 | 23°10 | 7°34 | 17°28 | 16°47 | 1° 3 | 21°49 | 25° 0 | 13°27 | 24°R22 | 23°16 | 20°10 | 5°48 | W30 |
| T 31 | 9 3 54 | 17♒26'59 | 10♌53 | 24♉33 | 8♉46 | 18♈ 9 | 16♉52 | 1♉ 8 | 21♎48 | 25♎ 0 | 13♉27 | 24♉21 | 23♉13 | 20♓17 | 5♓52 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s28 | 25n20 | 1n51 | 20s 4 | 3n27 | 18s25 | 2n31 | 1s 6 | 0s12 | 15n45 | 0s54 | 22s45 | 0n47 | 7s57 | 0n36 | 8s 0 | 1n49 | 2n24 | 14s12 | 21s20 | 21s16 | 1s26 | 5s24 | 4n57 |
| W 2 | 22 20 | 22 52 | 0 34 | 20 8 | 3 23 | 18 41 | 2 29 | 0 49 | 0 11 | 15 45 | 0 53 | 22 45 | 0 47 | 7 57 | 0 36 | 8 0 | 1 49 | 2 24 | 14 11 | 21 20 | 21 17 | 1 23 | 5 23 | 4 57 |
| T 3 | 22 11 | 18 54 | 0s46 | 20 13 | 3 18 | 18 55 | 2 27 | 0 31 | 0 10 | 15 45 | 0 53 | 22 45 | 0 47 | 7 57 | 0 36 | 8 1 | 1 49 | 2 24 | 14 11 | 21 20 | 21 17 | 1 20 | 5 22 | 4 57 |
| F 4 | 22 2 | 13 45 | 2 4 | 20 20 | 3 12 | 19 9 | 2 25 | 0 14 | 0 9 | 15 45 | 0 53 | 22 46 | 0 47 | 7 58 | 0 36 | 8 1 | 1 49 | 2 25 | 14 11 | 21 20 | 21 18 | 1 17 | 5 21 | 4 57 |
| S 5 | 21 53 | 7 48 | 3 14 | 20 27 | 3 5 | 19 23 | 2 22 | 0n 3 | 0 8 | 15 46 | 0 53 | 22 46 | 0 47 | 7 58 | 0 36 | 8 1 | 1 49 | 2 25 | 14 10 | 21 20 | 21 18 | 1 14 | 5 21 | 4 56 |
| S 6 | 21 44 | 1 28 | 4 11 | 20 36 | 2 57 | 19 37 | 2 20 | 0 21 | 0 7 | 15 46 | 0 52 | 22 46 | 0 47 | 7 58 | 0 36 | 8 1 | 1 49 | 2 25 | 14 10 | 21 20 | 21 19 | 1 11 | 5 20 | 4 56 |
| M 7 | 21 33 | 4s52 | 4 52 | 20 45 | 2 48 | 19 50 | 2 17 | 0 38 | 0 6 | 15 47 | 0 52 | 22 46 | 0 47 | 7 58 | 0 36 | 8 1 | 1 49 | 2 25 | 14 10 | 21 20 | 21 19 | 1 8 | 5 19 | 4 56 |
| T 8 | 21 23 | 10 52 | 5 13 | 20 54 | 2 38 | 20 2 | 2 15 | 0 55 | 0 5 | 15 47 | 0 52 | 22 46 | 0 47 | 7 59 | 0 36 | 8 1 | 1 50 | 2 25 | 14 10 | 21 20 | 21 20 | 1 5 | 5 18 | 4 56 |
| W 9 | 21 12 | 16 12 | 5 16 | 21 4 | 2 28 | 20 14 | 2 12 | 1 13 | 0 4 | 15 48 | 0 52 | 22 46 | 0 47 | 7 59 | 0 36 | 8 1 | 1 50 | 2 26 | 14 9 | 21 20 | 21 21 | 1 2 | 5 17 | 4 56 |
| T 10 | 21 1 | 20 37 | 5 1 | 21 14 | 2 18 | 20 25 | 2 9 | 1 30 | 0 3 | 15 48 | 0 51 | 22 46 | 0 47 | 7 59 | 0 36 | 8 1 | 1 50 | 2 26 | 14 9 | 21 20 | 21 21 | 0 58 | 5 16 | 4 55 |
| F 11 | 20 49 | 23 50 | 4 29 | 21 23 | 2 7 | 20 36 | 2 6 | 1 47 | 0 1 | 15 49 | 0 51 | 22 46 | 0 47 | 7 59 | 0 36 | 8 1 | 1 50 | 2 26 | 14 9 | 21 20 | 21 22 | 0 55 | 5 15 | 4 55 |
| S 12 | 20 37 | 25 42 | 3 43 | 21 33 | 1 57 | 20 47 | 2 4 | 2 4 | 0 0 | 15 50 | 0 51 | 22 46 | 0 47 | 7 59 | 0 36 | 8 1 | 1 50 | 2 26 | 14 8 | 21 20 | 21 22 | 0 52 | 5 14 | 4 55 |
| S 13 | 20 24 | 26 8 | 2 47 | 21 43 | 1 46 | 20 57 | 2 1 | 2 22 | 0n 1 | 15 50 | 0 50 | 22 46 | 0 47 | 7 59 | 0 36 | 8 1 | 1 50 | 2 26 | 14 8 | 21 20 | 21 23 | 0 49 | 5 13 | 4 55 |
| M14 | 20 12 | 25 9 | 1 43 | 21 52 | 1 35 | 21 6 | 1 58 | 2 39 | 0 2 | 15 51 | 0 50 | 22 46 | 0 47 | 8 0 | 0 36 | 8 2 | 1 50 | 2 27 | 14 8 | 21 20 | 21 23 | 0 46 | 5 12 | 4 54 |
| T 15 | 19 58 | 22 53 | 0 35 | 22 0 | 1 25 | 21 15 | 1 55 | 2 56 | 0 2 | 15 52 | 0 50 | 22 47 | 0 47 | 8 0 | 0 36 | 8 2 | 1 50 | 2 27 | 14 7 | 21 20 | 21 24 | 0 43 | 5 11 | 4 54 |
| W16 | 19 45 | 19 34 | 0n34 | 22 8 | 1 14 | 21 23 | 1 52 | 3 13 | 0 3 | 15 53 | 0 50 | 22 47 | 0 47 | 8 0 | 0 36 | 8 2 | 1 50 | 2 27 | 14 7 | 21 20 | 21 24 | 0 40 | 5 10 | 4 54 |
| T 17 | 19 31 | 15 27 | 1 40 | 22 16 | 1 4 | 21 30 | 1 48 | 3 30 | 0 4 | 15 54 | 0 49 | 22 47 | 0 47 | 8 0 | 0 36 | 8 1 | 1 50 | 2 28 | 14 7 | 21 20 | 21 25 | 0 37 | 5 9 | 4 54 |
| F 18 | 19 16 | 10 46 | 2 41 | 22 22 | 0 54 | 21 38 | 1 45 | 3 47 | 0 5 | 15 55 | 0 49 | 22 47 | 0 46 | 8 0 | 0 36 | 8 1 | 1 50 | 2 28 | 14 6 | 21 20 | 21 26 | 0 34 | 5 8 | 4 54 |
| S 19 | 19 2 | 5 44 | 3 34 | 22 28 | 0 44 | 21 44 | 1 42 | 4 4 | 0 6 | 15 56 | 0 49 | 22 47 | 0 46 | 8 0 | 0 36 | 8 1 | 1 50 | 2 28 | 14 6 | 21 20 | 21 26 | 0 31 | 5 7 | 4 54 |
| S 20 | 18 47 | 0 33 | 4 17 | 22 33 | 0 34 | 21 50 | 1 39 | 4 21 | 0 7 | 15 57 | 0 49 | 22 47 | 0 46 | 8 0 | 0 36 | 8 1 | 1 50 | 2 28 | 14 6 | 21 21 | 21 27 | 0 28 | 5 6 | 4 53 |
| M21 | 18 31 | 4n38 | 4 49 | 22 37 | 0 24 | 21 55 | 1 36 | 4 38 | 0 8 | 15 59 | 0 48 | 22 47 | 0 46 | 8 0 | 0 36 | 8 1 | 1 50 | 2 29 | 14 5 | 21 21 | 21 27 | 0 24 | 5 5 | 4 53 |
| T 22 | 18 16 | 9 39 | 5 9 | 22 40 | 0 15 | 22 0 | 1 32 | 4 55 | 0 9 | 16 0 | 0 48 | 22 47 | 0 46 | 8 0 | 0 36 | 8 1 | 1 50 | 2 29 | 14 5 | 21 21 | 21 28 | 0 21 | 5 4 | 4 53 |
| W23 | 18 0 | 14 22 | 5 16 | 22 42 | 0 5 | 22 4 | 1 29 | 5 12 | 0 10 | 16 1 | 0 48 | 22 47 | 0 46 | 8 0 | 0 36 | 8 1 | 1 51 | 2 29 | 14 5 | 21 22 | 21 28 | 0 18 | 5 3 | 4 53 |
| T 24 | 17 43 | 18 35 | 5 9 | 22 43 | 0s 4 | 22 7 | 1 26 | 5 29 | 0 11 | 16 2 | 0 47 | 22 47 | 0 46 | 7 59 | 0 36 | 8 1 | 1 51 | 2 30 | 14 4 | 21 22 | 21 29 | 0 15 | 5 1 | 4 53 |
| F 25 | 17 27 | 22 6 | 4 48 | 22 43 | 0 12 | 22 10 | 1 22 | 5 45 | 0 12 | 16 4 | 0 47 | 22 47 | 0 46 | 7 59 | 0 36 | 8 1 | 1 51 | 2 30 | 14 4 | 21 22 | 21 29 | 0 12 | 5 0 | 4 52 |
| S 26 | 17 10 | 24 39 | 4 12 | 22 42 | 0 21 | 22 13 | 1 19 | 6 2 | 0 13 | 16 5 | 0 47 | 22 47 | 0 46 | 7 59 | 0 36 | 8 1 | 1 51 | 2 30 | 14 4 | 21 22 | 21 30 | 0 9 | 4 59 | 4 52 |
| S 27 | 16 52 | 26 0 | 3 23 | 22 39 | 0 29 | 22 14 | 1 15 | 6 19 | 0 13 | 16 7 | 0 47 | 22 47 | 0 46 | 7 59 | 0 36 | 8 1 | 1 51 | 2 31 | 14 3 | 21 21 | 21 31 | 0 6 | 4 58 | 4 52 |
| M28 | 16 35 | 25 53 | 2 21 | 22 36 | 0 37 | 22 15 | 1 12 | 6 35 | 0 14 | 16 8 | 0 46 | 22 47 | 0 46 | 7 59 | 0 37 | 8 0 | 1 51 | 2 31 | 14 3 | 21 21 | 21 31 | 0 3 | 4 57 | 4 52 |
| T 29 | 16 17 | 24 10 | 1 9 | 22 31 | 0 45 | 22 15 | 1 9 | 6 52 | 0 15 | 16 10 | 0 46 | 22 47 | 0 46 | 7 59 | 0 37 | 8 0 | 1 51 | 2 31 | 14 3 | 21 21 | 21 32 | 0n 0 | 4 56 | 4 52 |
| W30 | 15 59 | 20 51 | 0s10 | 22 25 | 0 52 | 22 15 | 1 5 | 7 8 | 0 16 | 16 12 | 0 46 | 22 47 | 0 46 | 7 58 | 0 37 | 8 0 | 1 51 | 2 32 | 14 3 | 21 21 | 21 32 | 0 3 | 4 54 | 4 52 |
| T 31 | 15s41 | 16n 9 | 1s30 | 22s17 | 0s59 | 22s14 | 1n 2 | 7n25 | 0n17 | 16n13 | 0s46 | 22s47 | 0n46 | 7s58 | 0n37 | 8s 0 | 1n51 | 2n32 | 14s 2 | 21s21 | 21s33 | 0n 6 | 4s53 | 4n52 |

Julian Day Number = 2135616.5, Delta T = 15m58s
Ecliptic obliquity = 23°33'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'50, Lahiri = 11°47'51 Julian Calendar 1 Jan. 1135 == Greg. Calendar 8 Jan. 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## FEBRUARY 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 7 51 | 18♒27'26 | 25♌51 | 25♑56 | 9♑58 | 18♈50 | 16♉57 | 1♑14 | 21°R48 | 24°R59 | 13♉27 | 24°R19 | 23♑10 | 20♓24 | 5♓55 | F 1 |
| S 2 | 9 11 47 | 19°27'52 | 10♍57 | 27°21 | 11°10 | 19°31 | 17° 3 | 1°20 | 21♎47 | 24♎59 | 13°27 | 24♑16 | 23° 7 | 20°31 | 5°59 | S 2 |
| S 3 | 9 15 44 | 20°28'15 | 26° 0 | 28°47 | 12°22 | 20°11 | 17° 9 | 1°25 | 21°46 | 24°58 | 13°28 | 24°13 | 23° 4 | 20°37 | 6° 3 | S 3 |
| M 4 | 9 19 41 | 21°28'37 | 10♎52 | 0♒14 | 13°34 | 20°52 | 17°14 | 1°30 | 21°45 | 24°58 | 13°28 | 24° 9 | 23° 0 | 20°44 | 6° 6 | M 4 |
| T 5 | 9 23 37 | 22°28'58 | 25°26 | 1°43 | 14°47 | 21°32 | 17°20 | 1°36 | 21°44 | 24°57 | 13°28 | 24° 6 | 22°57 | 20°51 | 6°10 | T 5 |
| W 6 | 9 27 34 | 23°29'17 | 9♏38 | 3°12 | 15°59 | 22°13 | 17°27 | 1°41 | 21°44 | 24°57 | 13°29 | 24° 4 | 22°54 | 20°57 | 6°14 | W 6 |
| T 7 | 9 31 30 | 24°29'35 | 23°26 | 4°42 | 17°11 | 22°54 | 17°33 | 1°46 | 21°43 | 24°56 | 13°29 | 24°D 3 | 22°51 | 21° 4 | 6°18 | T 7 |
| F 8 | 9 35 27 | 25°29'52 | 6♐50 | 6°14 | 18°24 | 23°34 | 17°39 | 1°51 | 21°42 | 24°56 | 13°29 | 24° 3 | 22°48 | 21°11 | 6°21 | F 8 |
| S 9 | 9 39 23 | 26°30'07 | 19°53 | 7°47 | 19°36 | 24°15 | 17°46 | 1°56 | 21°41 | 24°55 | 13°30 | 24° 5 | 22°44 | 21°17 | 6°25 | S 9 |
| S 10 | 9 43 20 | 27°30'20 | 2♑38 | 9°20 | 20°48 | 24°55 | 17°53 | 2° 1 | 21°39 | 24°54 | 13°30 | 24° 6 | 22°41 | 21°24 | 6°29 | S 10 |
| M11 | 9 47 16 | 28°30'32 | 15° 7 | 10°55 | 22° 1 | 25°36 | 18° 0 | 2° 6 | 21°38 | 24°54 | 13°31 | 24° 8 | 22°38 | 21°31 | 6°33 | M11 |
| T 12 | 9 51 13 | 29°30'42 | 27°25 | 12°31 | 23°13 | 26°16 | 18° 7 | 2°11 | 21°37 | 24°53 | 13°31 | 24°R 8 | 22°35 | 21°38 | 6°37 | T 12 |
| W13 | 9 55 10 | 0♓30'50 | 9♒33 | 14° 8 | 24°26 | 26°57 | 18°14 | 2°16 | 21°36 | 24°52 | 13°32 | 24° 7 | 22°32 | 21°44 | 6°40 | W13 |
| T 14 | 9 59 6 | 1°30'57 | 21°35 | 15°46 | 25°39 | 27°37 | 18°22 | 2°21 | 21°35 | 24°51 | 13°32 | 24° 4 | 22°29 | 21°51 | 6°44 | T 14 |
| F 15 | 10 3 3 | 2°31'02 | 3♓31 | 17°25 | 26°51 | 28°18 | 18°29 | 2°25 | 21°33 | 24°51 | 13°33 | 23°59 | 22°25 | 21°58 | 6°48 | F 15 |
| S 16 | 10 6 59 | 3°31'04 | 15°24 | 19° 5 | 28° 4 | 28°58 | 18°37 | 2°30 | 21°32 | 24°50 | 13°33 | 23°52 | 22°22 | 22° 4 | 6°52 | S 16 |
| S 17 | 10 10 56 | 4°31'05 | 27°15 | 20°46 | 29°16 | 29°39 | 18°45 | 2°34 | 21°30 | 24°49 | 13°34 | 23°44 | 22°19 | 22°11 | 6°56 | S 17 |
| M18 | 10 14 52 | 5°31'03 | 9♈ 6 | 22°28 | 0♒29 | 0♉19 | 18°53 | 2°39 | 21°29 | 24°48 | 13°34 | 23°36 | 22°16 | 22°18 | 6°59 | M18 |
| T 19 | 10 18 49 | 6°31'00 | 20°59 | 24°12 | 1°42 | 0°59 | 19° 1 | 2°43 | 21°27 | 24°47 | 13°35 | 23°28 | 22°13 | 22°24 | 7° 3 | T 19 |
| W20 | 10 22 45 | 7°30'54 | 2♉57 | 25°56 | 2°54 | 1°40 | 19° 9 | 2°48 | 21°26 | 24°46 | 13°35 | 23°21 | 22°10 | 22°31 | 7° 7 | W20 |
| T 21 | 10 26 42 | 8°30'46 | 15° 3 | 27°42 | 4° 7 | 2°20 | 19°18 | 2°52 | 21°24 | 24°45 | 13°36 | 23°17 | 22° 6 | 22°38 | 7°11 | T 21 |
| F 22 | 10 30 38 | 9°30'36 | 27°21 | 29°29 | 5°20 | 3° 0 | 19°26 | 2°56 | 21°23 | 24°44 | 13°37 | 23°14 | 22° 3 | 22°45 | 7°15 | F 22 |
| S 23 | 10 34 35 | 10°30'24 | 9♊55 | 1♓17 | 6°33 | 3°40 | 19°35 | 3° 0 | 21°21 | 24°43 | 13°37 | 23°D13 | 22° 0 | 22°51 | 7°19 | S 23 |
| S 24 | 10 38 32 | 11°30'10 | 22°50 | 3° 6 | 7°45 | 4°21 | 19°44 | 3° 4 | 21°19 | 24°42 | 13°38 | 23°13 | 21°57 | 22°58 | 7°22 | S 24 |
| M25 | 10 42 28 | 12°29'53 | 6♋ 8 | 4°57 | 8°58 | 5° 1 | 19°53 | 3° 8 | 21°17 | 24°41 | 13°39 | 23°15 | 21°54 | 23° 5 | 7°26 | M25 |
| T 26 | 10 46 25 | 13°29'34 | 19°54 | 6°49 | 10°11 | 5°41 | 20° 2 | 3°12 | 21°16 | 24°40 | 13°40 | 23°R15 | 21°50 | 23°11 | 7°30 | T 26 |
| W27 | 10 50 21 | 14°29'12 | 4♌ 9 | 8°41 | 11°24 | 6°21 | 20°11 | 3°15 | 21°14 | 24°39 | 13°40 | 23°15 | 21°47 | 23°18 | 7°34 | W27 |
| T 28 | 10 54 18 | 15♓28'48 | 18♌50 | 10♓35 | 12♒37 | 7♉ 1 | 20♉20 | 3♑19 | 21♎12 | 24♎37 | 13♉41 | 23♑13 | 21♑44 | 23♓25 | 7♓38 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s22 | 10n23 | 2s45 | 22s 8 | 1s 6 | 22s13 | 0n58 | 7n41 | 0n18 | 16n15 | 0s45 | 22s47 | 0n46 | 7s58 | 0n37 | 8s 0 | 1n51 | 2n33 | 14s 2 | 21s21 | 21s33 | 0n 9 | 4s52 | 4n52 |
| S 2 | 15 3 | 3 58 | 3 49 | 21 58 | 1 12 | 22 10 | 0 55 | 7 57 | 0 18 | 16 17 | 0 45 | 22 47 | 0 46 | 7 58 | 0 37 | 8 0 | 1 51 | 2 33 | 14 2 | 21 22 | 21 34 | 0 12 | 4 51 | 4 51 |
| S 3 | 14 44 | 2s38 | 4 37 | 21 47 | 1 19 | 22 7 | 0 51 | 8 13 | 0 19 | 16 19 | 0 45 | 22 47 | 0 46 | 7 57 | 0 37 | 7 59 | 1 51 | 2 33 | 14 1 | 21 22 | 21 34 | 0 16 | 4 49 | 4 51 |
| M 4 | 14 25 | 9 0 | 5 5 | 21 34 | 1 25 | 22 4 | 0 48 | 8 29 | 0 20 | 16 21 | 0 45 | 22 47 | 0 46 | 7 57 | 0 37 | 7 59 | 1 51 | 2 34 | 14 1 | 21 23 | 21 35 | 0 19 | 4 48 | 4 51 |
| T 5 | 14 5 | 14 44 | 5 13 | 21 20 | 1 30 | 22 0 | 0 44 | 8 45 | 0 21 | 16 23 | 0 44 | 22 46 | 0 46 | 7 57 | 0 37 | 7 59 | 1 51 | 2 34 | 14 1 | 21 24 | 21 35 | 0 22 | 4 47 | 4 51 |
| W 6 | 13 45 | 19 32 | 5 2 | 21 5 | 1 35 | 21 55 | 0 41 | 9 1 | 0 21 | 16 25 | 0 44 | 22 46 | 0 46 | 7 56 | 0 37 | 7 59 | 1 51 | 2 34 | 14 0 | 21 24 | 21 36 | 0 25 | 4 46 | 4 51 |
| T 7 | 13 25 | 23 8 | 4 33 | 20 48 | 1 40 | 21 49 | 0 37 | 9 17 | 0 22 | 16 27 | 0 44 | 22 46 | 0 46 | 7 56 | 0 37 | 7 58 | 1 51 | 2 35 | 14 0 | 21 24 | 21 36 | 0 28 | 4 44 | 4 51 |
| F 8 | 13 5 | 25 20 | 3 50 | 20 29 | 1 45 | 21 43 | 0 34 | 9 33 | 0 23 | 16 29 | 0 44 | 22 46 | 0 46 | 7 56 | 0 37 | 7 58 | 1 52 | 2 35 | 14 0 | 21 24 | 21 37 | 0 31 | 4 43 | 4 51 |
| S 9 | 12 44 | 26 6 | 2 56 | 20 10 | 1 49 | 21 37 | 0 30 | 9 49 | 0 24 | 16 31 | 0 43 | 22 46 | 0 46 | 7 55 | 0 37 | 7 58 | 1 52 | 2 36 | 13 59 | 21 24 | 21 37 | 0 34 | 4 42 | 4 51 |
| S 10 | 12 24 | 25 26 | 1 55 | 19 49 | 1 53 | 21 29 | 0 27 | 10 4 | 0 24 | 16 33 | 0 43 | 22 46 | 0 46 | 7 55 | 0 37 | 7 57 | 1 52 | 2 36 | 13 59 | 21 23 | 21 38 | 0 37 | 4 40 | 4 51 |
| M11 | 12 3 | 23 30 | 0 49 | 19 26 | 1 56 | 21 21 | 0 24 | 10 20 | 0 25 | 16 35 | 0 43 | 22 46 | 0 46 | 7 54 | 0 37 | 7 57 | 1 52 | 2 37 | 13 59 | 21 23 | 21 39 | 0 40 | 4 39 | 4 50 |
| T 12 | 11 42 | 20 29 | 0n18 | 19 2 | 1 59 | 21 13 | 0 20 | 10 35 | 0 26 | 16 37 | 0 43 | 22 46 | 0 46 | 7 54 | 0 37 | 7 57 | 1 52 | 2 37 | 13 58 | 21 23 | 21 39 | 0 43 | 4 38 | 4 50 |
| W13 | 11 21 | 16 37 | 1 23 | 18 37 | 2 2 | 21 4 | 0 17 | 10 51 | 0 27 | 16 40 | 0 43 | 22 46 | 0 46 | 7 53 | 0 37 | 7 56 | 1 52 | 2 37 | 13 58 | 21 23 | 21 40 | 0 46 | 4 37 | 4 50 |
| T 14 | 10 59 | 12 7 | 2 24 | 18 10 | 2 4 | 20 54 | 0 13 | 11 6 | 0 27 | 16 42 | 0 42 | 22 46 | 0 46 | 7 53 | 0 37 | 7 56 | 1 52 | 2 38 | 13 58 | 21 24 | 21 40 | 0 49 | 4 35 | 4 50 |
| F 15 | 10 38 | 7 12 | 3 18 | 17 41 | 2 6 | 20 43 | 0 10 | 11 21 | 0 28 | 16 44 | 0 42 | 22 46 | 0 46 | 7 52 | 0 37 | 7 56 | 1 52 | 2 38 | 13 58 | 21 25 | 21 41 | 0 52 | 4 34 | 4 50 |
| S 16 | 10 16 | 2 4 | 4 2 | 17 11 | 2 8 | 20 32 | 0 7 | 11 36 | 0 29 | 16 47 | 0 42 | 22 46 | 0 46 | 7 52 | 0 37 | 7 55 | 1 52 | 2 39 | 13 57 | 21 26 | 21 41 | 0 55 | 4 33 | 4 50 |
| S 17 | 9 54 | 3n 8 | 4 37 | 16 40 | 2 9 | 20 21 | 0 4 | 11 51 | 0 29 | 16 49 | 0 42 | 22 46 | 0 46 | 7 51 | 0 37 | 7 55 | 1 52 | 2 39 | 13 57 | 21 27 | 21 42 | 0 58 | 4 31 | 4 50 |
| M18 | 9 32 | 8 12 | 4 59 | 16 7 | 2 9 | 20 8 | 0 0 | 12 6 | 0 30 | 16 51 | 0 41 | 22 46 | 0 46 | 7 51 | 0 37 | 7 55 | 1 52 | 2 40 | 13 57 | 21 29 | 21 42 | 1 1 | 4 30 | 4 50 |
| T 19 | 9 10 | 12 59 | 5 8 | 15 33 | 2 10 | 19 55 | 0s 3 | 12 21 | 0 31 | 16 54 | 0 41 | 22 46 | 0 46 | 7 50 | 0 37 | 7 54 | 1 52 | 2 40 | 13 56 | 21 30 | 21 43 | 1 5 | 4 28 | 4 50 |
| W20 | 8 47 | 17 18 | 5 4 | 14 57 | 2 9 | 19 42 | 0 6 | 12 36 | 0 31 | 16 56 | 0 41 | 22 45 | 0 46 | 7 49 | 0 37 | 7 54 | 1 52 | 2 41 | 13 56 | 21 31 | 21 43 | 1 8 | 4 27 | 4 50 |
| T 21 | 8 25 | 20 59 | 4 47 | 14 20 | 2 9 | 19 28 | 0 9 | 12 50 | 0 32 | 16 59 | 0 41 | 22 45 | 0 46 | 7 49 | 0 37 | 7 53 | 1 52 | 2 41 | 13 56 | 21 32 | 21 44 | 1 11 | 4 26 | 4 50 |
| F 22 | 8 2 | 23 49 | 4 16 | 13 42 | 2 7 | 19 14 | 0 12 | 13 5 | 0 33 | 17 1 | 0 41 | 22 45 | 0 46 | 7 48 | 0 37 | 7 53 | 1 52 | 2 41 | 13 55 | 21 33 | 21 44 | 1 14 | 4 24 | 4 50 |
| S 23 | 7 40 | 25 32 | 3 32 | 13 2 | 2 6 | 18 59 | 0 15 | 13 19 | 0 33 | 17 4 | 0 40 | 22 45 | 0 46 | 7 47 | 0 37 | 7 53 | 1 52 | 2 42 | 13 55 | 21 33 | 21 45 | 1 17 | 4 23 | 4 50 |
| S 24 | 7 17 | 25 58 | 2 37 | 12 20 | 2 4 | 18 43 | 0 19 | 13 34 | 0 34 | 17 6 | 0 40 | 22 45 | 0 46 | 7 47 | 0 37 | 7 52 | 1 52 | 2 42 | 13 55 | 21 33 | 21 45 | 1 20 | 4 22 | 4 50 |
| M25 | 6 54 | 24 55 | 1 31 | 11 37 | 2 1 | 18 27 | 0 22 | 13 48 | 0 34 | 17 9 | 0 40 | 22 45 | 0 46 | 7 46 | 0 37 | 7 52 | 1 52 | 2 43 | 13 55 | 21 32 | 21 46 | 1 23 | 4 20 | 4 50 |
| T 26 | 6 31 | 22 22 | 0 18 | 10 53 | 1 58 | 18 10 | 0 24 | 14 2 | 0 35 | 17 12 | 0 40 | 22 45 | 0 46 | 7 45 | 0 37 | 7 51 | 1 52 | 2 43 | 13 54 | 21 32 | 21 46 | 1 26 | 4 19 | 4 50 |
| W27 | 6 8 | 18 22 | 0s58 | 10 7 | 1 54 | 17 53 | 0 27 | 14 16 | 0 36 | 17 14 | 0 39 | 22 45 | 0 46 | 7 45 | 0 37 | 7 51 | 1 52 | 2 44 | 13 54 | 21 32 | 21 47 | 1 29 | 4 17 | 4 50 |
| T 28 | 5s45 | 13n 9 | 2s13 | 9s20 | 1s50 | 17s35 | 0s30 | 14n30 | 0n36 | 17n17 | 0s39 | 22s45 | 0n46 | 7s44 | 0n37 | 7s50 | 1n53 | 2n44 | 13s54 | 21s33 | 21s47 | 1n32 | 4s16 | 4n50 |

Julian Day Number = 2135647.5, Delta T = 15m58s
Ecliptic obliquity = 23°33'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'55, Lahiri = 11°47'55 Julian Calendar 1 Feb. 1135 == Greg. Calendar 8 Feb. 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## MARCH 1135 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 58 14 | 16♓28'22 | 3♍53 | 12♓31 | 13♒49 | 7♉42 | 20♉30 | 3♑23 | 21°R10 | 24°R36 | 13♉42 | 23°R 8 | 21♑41 | 23♓32 | 7♓41 | F 1 |
| S 2 | 11 2 11 | 17°27'54 | 19°10 | 14°27 | 15° 2 | 8°22 | 20°39 | 3°26 | 21♎ 8 | 24♎35 | 13°43 | 23♑ 1 | 21°38 | 23°38 | 7°45 | S 2 |
| S 3 | 11 6 7 | 18°27'24 | 4♎29 | 16°25 | 16°15 | 9° 2 | 20°49 | 3°29 | 21° 6 | 24°34 | 13°44 | 22°53 | 21°35 | 23°45 | 7°49 | S 3 |
| M 4 | 11 10 4 | 19°26'51 | 19°40 | 18°23 | 17°28 | 9°42 | 20°59 | 3°33 | 21° 4 | 24°33 | 13°44 | 22°44 | 21°31 | 23°52 | 7°53 | M 4 |
| T 5 | 11 14 1 | 20°26'17 | 4♏32 | 20°23 | 18°41 | 10°22 | 21° 8 | 3°36 | 21° 2 | 24°31 | 13°45 | 22°36 | 21°28 | 23°58 | 7°56 | T 5 |
| W 6 | 11 17 57 | 21°25'41 | 18°59 | 22°23 | 19°54 | 11° 2 | 21°18 | 3°39 | 21° 0 | 24°30 | 13°46 | 22°30 | 21°25 | 24° 5 | 8° 0 | W 6 |
| T 7 | 11 21 54 | 22°25'03 | 2♐58 | 24°24 | 21° 7 | 11°42 | 21°29 | 3°42 | 20°58 | 24°29 | 13°47 | 22°26 | 21°22 | 24°12 | 8° 4 | T 7 |
| F 8 | 11 25 50 | 23°24'24 | 16°27 | 26°26 | 22°20 | 12°22 | 21°39 | 3°45 | 20°56 | 24°27 | 13°48 | 22°24 | 21°19 | 24°18 | 8° 8 | F 8 |
| S 9 | 11 29 47 | 24°23'43 | 29°30 | 28°28 | 23°33 | 13° 2 | 21°49 | 3°48 | 20°53 | 24°26 | 13°49 | 22°D24 | 21°15 | 24°25 | 8°11 | S 9 |
| S 10 | 11 33 43 | 25°23'00 | 12♑10 | 0♈31 | 24°46 | 13°41 | 21°59 | 3°51 | 20°51 | 24°25 | 13°50 | 22°25 | 21°12 | 24°32 | 8°15 | S 10 |
| M11 | 11 37 40 | 26°22'15 | 24°32 | 2°34 | 25°59 | 14°21 | 22°10 | 3°53 | 20°49 | 24°23 | 13°51 | 22°R25 | 21° 9 | 24°39 | 8°19 | M11 |
| T 12 | 11 41 36 | 27°21'28 | 6♒40 | 4°37 | 27°12 | 15° 1 | 22°21 | 3°56 | 20°47 | 24°22 | 13°52 | 22°24 | 21° 6 | 24°45 | 8°22 | T 12 |
| W13 | 11 45 33 | 28°20'39 | 18°40 | 6°39 | 28°25 | 15°41 | 22°31 | 3°59 | 20°44 | 24°20 | 13°53 | 22°21 | 21° 3 | 24°52 | 8°26 | W13 |
| T 14 | 11 49 30 | 29°19'49 | 0♓33 | 8°40 | 29°38 | 16°21 | 22°42 | 4° 1 | 20°42 | 24°19 | 13°54 | 22°15 | 21° 0 | 24°59 | 8°30 | T 14 |
| F 15 | 11 53 26 | 0♈18'56 | 12°24 | 10°41 | 0♓51 | 17° 1 | 22°53 | 4° 3 | 20°40 | 24°18 | 13°55 | 22° 6 | 20°56 | 25° 5 | 8°33 | F 15 |
| S 16 | 11 57 23 | 1°18'01 | 24°15 | 12°40 | 2° 4 | 17°40 | 23° 4 | 4° 6 | 20°38 | 24°16 | 13°56 | 21°55 | 20°53 | 25°12 | 8°37 | S 16 |
| S 17 | 12 1 19 | 2°17'05 | 6♈ 6 | 14°37 | 3°17 | 18°20 | 23°15 | 4° 8 | 20°35 | 24°15 | 13°57 | 21°42 | 20°50 | 25°19 | 8°40 | S 17 |
| M18 | 12 5 16 | 3°16'06 | 18° 1 | 16°32 | 4°30 | 19° 0 | 23°26 | 4°10 | 20°33 | 24°13 | 13°58 | 21°28 | 20°47 | 25°26 | 8°44 | M18 |
| T 19 | 12 9 12 | 4°15'05 | 29°59 | 18°25 | 5°43 | 19°40 | 23°38 | 4°12 | 20°30 | 24°12 | 13°59 | 21°15 | 20°44 | 25°32 | 8°47 | T 19 |
| W20 | 12 13 9 | 5°14'02 | 12♉ 3 | 20°15 | 6°56 | 20°19 | 23°49 | 4°14 | 20°28 | 24°10 | 14° 0 | 21° 4 | 20°41 | 25°39 | 8°51 | W20 |
| T 21 | 12 17 5 | 6°12'57 | 24°14 | 22° 1 | 8° 9 | 20°59 | 24° 0 | 4°15 | 20°25 | 24° 9 | 14° 1 | 20°55 | 20°37 | 25°46 | 8°54 | T 21 |
| F 22 | 12 21 2 | 7°11'49 | 6♊36 | 23°44 | 9°22 | 21°39 | 24°12 | 4°17 | 20°23 | 24° 7 | 14° 2 | 20°49 | 20°34 | 25°52 | 8°58 | F 22 |
| S 23 | 12 24 59 | 8°10'40 | 19°11 | 25°23 | 10°36 | 22°18 | 24°23 | 4°19 | 20°21 | 24° 5 | 14° 3 | 20°45 | 20°31 | 25°59 | 9° 1 | S 23 |
| S 24 | 12 28 55 | 9° 9'28 | 2♋ 3 | 26°58 | 11°49 | 22°58 | 24°35 | 4°20 | 20°18 | 24° 4 | 14° 4 | 20°44 | 20°28 | 26° 6 | 9° 5 | S 24 |
| M25 | 12 32 52 | 10° 8'13 | 15°15 | 28°28 | 13° 2 | 23°37 | 24°47 | 4°21 | 20°16 | 24° 2 | 14° 6 | 20°44 | 20°25 | 26°13 | 9° 8 | M25 |
| T 26 | 12 36 48 | 11° 6'57 | 28°51 | 29°54 | 14°15 | 24°17 | 24°59 | 4°23 | 20°13 | 24° 1 | 14° 7 | 20°44 | 20°21 | 26°19 | 9°12 | T 26 |
| W27 | 12 40 45 | 12° 5'38 | 12♌54 | 1♉15 | 15°28 | 24°56 | 25°11 | 4°24 | 20°11 | 23°59 | 14° 8 | 20°42 | 20°18 | 26°26 | 9°15 | W27 |
| T 28 | 12 44 41 | 13° 4'17 | 27°22 | 2°30 | 16°41 | 25°36 | 25°23 | 4°25 | 20° 8 | 23°58 | 14° 9 | 20°39 | 20°15 | 26°33 | 9°18 | T 28 |
| F 29 | 12 48 38 | 14° 2'53 | 12♍15 | 3°41 | 17°54 | 26°15 | 25°35 | 4°26 | 20° 6 | 23°56 | 14°10 | 20°32 | 20°12 | 26°39 | 9°21 | F 29 |
| S 30 | 12 52 34 | 15° 1'27 | 27°24 | 4°46 | 19° 7 | 26°55 | 25°47 | 4°27 | 20° 3 | 23°54 | 14°12 | 20°24 | 20° 9 | 26°46 | 9°25 | S 30 |
| S 31 | 12 56 31 | 16♈ 0'00 | 12♎41 | 5♉46 | 20♓20 | 27♉34 | 25♉59 | 4♑28 | 20♎ 0 | 23♎53 | 14♉13 | 20♑13 | 20♑ 6 | 26♓53 | 9♓28 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s22 | 7n 1 | 3s20 | 8s31 | 1s45 | 17s17 | 0s33 | 14n43 | 0n37 | 17n20 | 0s39 | 22s45 | 0n46 | 7s43 | 0n37 | 7s50 | 1n53 | 2n45 | 13s53 | 21s34 | 21s48 | 1n35 | 4s15 | 4n50 |
| S 2 | 4 59 | 0 25 | 4 14 | 7 41 | 1 40 | 16 58 | 0 36 | 14 57 | 0 37 | 17 23 | 0 39 | 22 45 | 0 46 | 7 43 | 0 37 | 7 49 | 1 53 | 2 45 | 13 53 | 21 35 | 21 48 | 1 38 | 4 13 | 4 50 |
| S 3 | 4 35 | 6s13 | 4 50 | 6 50 | 1 34 | 16 39 | 0 39 | 15 10 | 0 38 | 17 25 | 0 39 | 22 44 | 0 46 | 7 42 | 0 37 | 7 49 | 1 53 | 2 46 | 13 53 | 21 36 | 21 49 | 1 41 | 4 12 | 4 50 |
| M 4 | 4 12 | 12 25 | 5 5 | 5 58 | 1 28 | 16 20 | 0 41 | 15 24 | 0 39 | 17 28 | 0 38 | 22 44 | 0 46 | 7 41 | 0 37 | 7 48 | 1 53 | 2 46 | 13 53 | 21 38 | 21 49 | 1 44 | 4 10 | 4 50 |
| T 5 | 3 48 | 17 46 | 4 59 | 5 4 | 1 21 | 15 59 | 0 44 | 15 37 | 0 39 | 17 31 | 0 38 | 22 44 | 0 46 | 7 40 | 0 37 | 7 48 | 1 53 | 2 47 | 13 52 | 21 39 | 21 50 | 1 47 | 4 9 | 4 50 |
| W 6 | 3 25 | 21 56 | 4 33 | 4 10 | 1 14 | 15 39 | 0 46 | 15 50 | 0 40 | 17 34 | 0 38 | 22 44 | 0 46 | 7 39 | 0 37 | 7 47 | 1 53 | 2 47 | 13 52 | 21 40 | 21 50 | 1 50 | 4 8 | 4 50 |
| T 7 | 3 1 | 24 39 | 3 53 | 3 14 | 1 6 | 15 18 | 0 49 | 16 3 | 0 40 | 17 36 | 0 38 | 22 44 | 0 46 | 7 39 | 0 37 | 7 47 | 1 53 | 2 48 | 13 52 | 21 41 | 21 51 | 1 53 | 4 6 | 4 50 |
| F 8 | 2 38 | 25 50 | 3 0 | 2 18 | 0 57 | 14 57 | 0 51 | 16 16 | 0 41 | 17 39 | 0 38 | 22 44 | 0 46 | 7 38 | 0 37 | 7 46 | 1 53 | 2 48 | 13 52 | 21 41 | 21 51 | 1 56 | 4 5 | 4 50 |
| S 9 | 2 14 | 25 32 | 1 59 | 1 21 | 0 48 | 14 35 | 0 54 | 16 29 | 0 41 | 17 42 | 0 38 | 22 44 | 0 46 | 7 37 | 0 37 | 7 46 | 1 53 | 2 49 | 13 51 | 21 41 | 21 52 | 1 59 | 4 4 | 4 50 |
| S 10 | 1 51 | 23 54 | 0 55 | 0 23 | 0 39 | 14 13 | 0 56 | 16 41 | 0 42 | 17 45 | 0 37 | 22 44 | 0 46 | 7 36 | 0 37 | 7 45 | 1 53 | 2 49 | 13 51 | 21 41 | 21 52 | 2 2 | 4 2 | 4 50 |
| M11 | 1 27 | 21 8 | 0n11 | 0n35 | 0 29 | 13 50 | 0 58 | 16 54 | 0 42 | 17 48 | 0 37 | 22 44 | 0 46 | 7 35 | 0 37 | 7 45 | 1 53 | 2 50 | 13 51 | 21 41 | 21 53 | 2 5 | 4 1 | 4 50 |
| T 12 | 1 3 | 17 29 | 1 15 | 1 34 | 0 18 | 13 27 | 1 1 | 17 6 | 0 43 | 17 51 | 0 37 | 22 44 | 0 46 | 7 34 | 0 37 | 7 44 | 1 53 | 2 50 | 13 51 | 21 41 | 21 53 | 2 8 | 3 59 | 4 50 |
| W13 | 0 40 | 13 10 | 2 15 | 2 32 | 0 8 | 13 4 | 1 3 | 17 18 | 0 43 | 17 54 | 0 37 | 22 44 | 0 46 | 7 34 | 0 37 | 7 44 | 1 53 | 2 51 | 13 50 | 21 41 | 21 54 | 2 11 | 3 58 | 4 50 |
| T 14 | 0 16 | 8 24 | 3 8 | 3 31 | 0n 4 | 12 40 | 1 5 | 17 30 | 0 44 | 17 57 | 0 37 | 22 44 | 0 46 | 7 33 | 0 37 | 7 43 | 1 53 | 2 51 | 13 50 | 21 42 | 21 54 | 2 14 | 3 57 | 4 50 |
| F 15 | 0n 8 | 3 21 | 3 53 | 4 29 | 0 15 | 12 16 | 1 7 | 17 42 | 0 44 | 18 0 | 0 36 | 22 44 | 0 46 | 7 32 | 0 37 | 7 43 | 1 53 | 2 52 | 13 50 | 21 44 | 21 55 | 2 17 | 3 55 | 4 50 |
| S 16 | 0 31 | 1n47 | 4 27 | 5 26 | 0 26 | 11 51 | 1 9 | 17 54 | 0 45 | 18 3 | 0 36 | 22 43 | 0 46 | 7 31 | 0 37 | 7 42 | 1 53 | 2 52 | 13 50 | 21 46 | 21 55 | 2 20 | 3 54 | 4 50 |
| S 17 | 0 55 | 6 52 | 4 50 | 6 22 | 0 38 | 11 27 | 1 11 | 18 6 | 0 45 | 18 6 | 0 36 | 22 43 | 0 46 | 7 30 | 0 37 | 7 41 | 1 53 | 2 53 | 13 50 | 21 48 | 21 56 | 2 23 | 3 52 | 4 50 |
| M18 | 1 18 | 11 43 | 5 0 | 7 18 | 0 50 | 11 2 | 1 12 | 18 17 | 0 46 | 18 8 | 0 36 | 22 43 | 0 46 | 7 29 | 0 37 | 7 41 | 1 53 | 2 53 | 13 49 | 21 50 | 21 56 | 2 26 | 3 51 | 4 50 |
| T 19 | 1 42 | 16 9 | 4 57 | 8 12 | 1 1 | 10 36 | 1 14 | 18 28 | 0 46 | 18 11 | 0 36 | 22 43 | 0 46 | 7 28 | 0 37 | 7 40 | 1 53 | 2 54 | 13 49 | 21 52 | 21 57 | 2 29 | 3 50 | 4 50 |
| W20 | 2 5 | 19 59 | 4 41 | 9 4 | 1 13 | 10 11 | 1 16 | 18 40 | 0 47 | 18 14 | 0 36 | 22 43 | 0 46 | 7 27 | 0 37 | 7 40 | 1 53 | 2 54 | 13 49 | 21 54 | 21 57 | 2 32 | 3 48 | 4 50 |
| T 21 | 2 29 | 22 59 | 4 12 | 9 55 | 1 24 | 9 45 | 1 17 | 18 51 | 0 47 | 18 17 | 0 35 | 22 43 | 0 46 | 7 26 | 0 37 | 7 39 | 1 53 | 2 55 | 13 49 | 21 55 | 21 58 | 2 35 | 3 47 | 4 50 |
| F 22 | 2 52 | 24 59 | 3 31 | 10 44 | 1 35 | 9 19 | 1 19 | 19 2 | 0 48 | 18 20 | 0 35 | 22 43 | 0 46 | 7 25 | 0 37 | 7 39 | 1 53 | 2 55 | 13 48 | 21 56 | 21 58 | 2 38 | 3 46 | 4 50 |
| S 23 | 3 16 | 25 45 | 2 39 | 11 30 | 1 46 | 8 52 | 1 21 | 19 12 | 0 48 | 18 23 | 0 35 | 22 43 | 0 46 | 7 25 | 0 37 | 7 38 | 1 53 | 2 56 | 13 48 | 21 57 | 21 59 | 2 41 | 3 44 | 4 51 |
| S 24 | 3 39 | 25 9 | 1 37 | 12 14 | 1 56 | 8 26 | 1 22 | 19 23 | 0 48 | 18 26 | 0 35 | 22 43 | 0 46 | 7 24 | 0 37 | 7 37 | 1 53 | 2 56 | 13 48 | 21 57 | 21 59 | 2 44 | 3 43 | 4 51 |
| M25 | 4 2 | 23 9 | 0 29 | 12 56 | 2 6 | 7 59 | 1 23 | 19 33 | 0 49 | 18 30 | 0 35 | 22 43 | 0 46 | 7 23 | 0 37 | 7 37 | 1 53 | 2 57 | 13 48 | 21 57 | 22 0 | 2 47 | 3 41 | 4 51 |
| T 26 | 4 25 | 19 47 | 0s43 | 13 35 | 2 15 | 7 32 | 1 25 | 19 44 | 0 49 | 18 33 | 0 35 | 22 43 | 0 46 | 7 22 | 0 37 | 7 36 | 1 53 | 2 57 | 13 48 | 21 57 | 22 0 | 2 50 | 3 40 | 4 51 |
| W27 | 4 48 | 15 12 | 1 54 | 14 11 | 2 23 | 7 4 | 1 26 | 19 54 | 0 50 | 18 36 | 0 34 | 22 43 | 0 46 | 7 21 | 0 37 | 7 36 | 1 53 | 2 58 | 13 48 | 21 57 | 22 1 | 2 53 | 3 39 | 4 51 |
| T 28 | 5 11 | 9 37 | 3 1 | 14 45 | 2 30 | 6 37 | 1 27 | 20 4 | 0 50 | 18 39 | 0 34 | 22 43 | 0 46 | 7 20 | 0 37 | 7 35 | 1 53 | 2 58 | 13 47 | 21 57 | 22 1 | 2 56 | 3 37 | 4 51 |
| F 29 | 5 34 | 3 22 | 3 56 | 15 16 | 2 37 | 6 9 | 1 28 | 20 13 | 0 51 | 18 42 | 0 34 | 22 43 | 0 46 | 7 19 | 0 37 | 7 34 | 1 53 | 2 59 | 13 47 | 21 58 | 22 2 | 2 59 | 3 36 | 4 51 |
| S 30 | 5 57 | 3s11 | 4 37 | 15 44 | 2 43 | 5 41 | 1 29 | 20 23 | 0 51 | 18 45 | 0 34 | 22 43 | 0 46 | 7 18 | 0 37 | 7 34 | 1 53 | 2 59 | 13 47 | 22 0 | 22 2 | 3 2 | 3 35 | 4 51 |
| S 31 | 6n19 | 9s36 | 4s58 | 16n 9 | 2n48 | 5s13 | 1s30 | 20n33 | 0n51 | 18n48 | 0s34 | 22s43 | 0n46 | 7s17 | 0n37 | 7s33 | 1n53 | 3n 0 | 13s47 | 22s 1 | 22s 2 | 3n 5 | 3s34 | 4n51 |

Julian Day Number = 2135675.5, Delta T = 15m58s
Ecliptic obliquity = 23°33'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°40'58, Lahiri = 11°47'59 Julian Calendar 1 March 1135 == Greg. Calendar 8 March 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## APRIL 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 0 27 | 16♈58'30 | 27♎54 | 6♉40 | 21♓34 | 28♉14 | 26♉11 | 4♑28 | 19°R58 | 23°R51 | 14♉14 | 20°R 2 | 20♑ 2 | 26♓59 | 9♓31 | M 1 |
| T 2 | 13 4 24 | 17°56'58 | 12♏53 | 7°29 | 22°47 | 28°53 | 26°23 | 4°29 | 19♎55 | 23♎50 | 14°15 | 19♑52 | 19°59 | 27° 6 | 9°34 | T 2 |
| W 3 | 13 8 21 | 18°55'25 | 27°29 | 8°12 | 24° 0 | 29°32 | 26°36 | 4°29 | 19°53 | 23°48 | 14°16 | 19°43 | 19°56 | 27°13 | 9°37 | W 3 |
| T 4 | 13 12 17 | 19°53'50 | 11♐36 | 8°49 | 25°13 | 0♊12 | 26°48 | 4°30 | 19°50 | 23°46 | 14°18 | 19°37 | 19°53 | 27°20 | 9°41 | T 4 |
| F 5 | 13 16 14 | 20°52'14 | 25°13 | 9°20 | 26°26 | 0°51 | 27° 1 | 4°30 | 19°48 | 23°45 | 14°19 | 19°33 | 19°50 | 27°26 | 9°44 | F 5 |
| S 6 | 13 20 10 | 21°50'35 | 8♑22 | 9°46 | 27°39 | 1°30 | 27°13 | 4°30 | 19°45 | 23°43 | 14°20 | 19°32 | 19°47 | 27°33 | 9°47 | S 6 |
| S 7 | 13 24 7 | 22°48'56 | 21° 5 | 10° 5 | 28°53 | 2° 9 | 27°26 | 4°30 | 19°43 | 23°41 | 14°21 | 19°32 | 19°43 | 27°40 | 9°50 | S 7 |
| M 8 | 13 28 3 | 23°47'14 | 3♒27 | 10°19 | 0♈ 6 | 2°49 | 27°38 | 4°R30 | 19°40 | 23°40 | 14°23 | 19°32 | 19°40 | 27°46 | 9°53 | M 8 |
| T 9 | 13 32 0 | 24°45'31 | 15°35 | 10°28 | 1°19 | 3°28 | 27°51 | 4°30 | 19°37 | 23°38 | 14°24 | 19°30 | 19°37 | 27°53 | 9°56 | T 9 |
| W10 | 13 35 57 | 25°43'47 | 27°32 | 10°R30 | 2°32 | 4° 7 | 28° 4 | 4°30 | 19°35 | 23°36 | 14°25 | 19°27 | 19°34 | 28° 0 | 9°59 | W10 |
| T 11 | 13 39 53 | 26°42'00 | 9♓23 | 10°28 | 3°45 | 4°46 | 28°17 | 4°30 | 19°32 | 23°35 | 14°27 | 19°21 | 19°31 | 28° 7 | 10° 1 | T 11 |
| F 12 | 13 43 50 | 27°40'12 | 21°12 | 10°20 | 4°59 | 5°25 | 28°30 | 4°29 | 19°30 | 23°33 | 14°28 | 19°12 | 19°27 | 28°13 | 10° 4 | F 12 |
| S 13 | 13 47 46 | 28°38'23 | 3♈ 3 | 10° 7 | 6°12 | 6° 4 | 28°43 | 4°29 | 19°27 | 23°32 | 14°29 | 19° 1 | 19°24 | 28°20 | 10° 7 | S 13 |
| S 14 | 13 51 43 | 29°36'32 | 14°58 | 9°50 | 7°25 | 6°44 | 28°56 | 4°28 | 19°25 | 23°30 | 14°30 | 18°48 | 19°21 | 28°27 | 10°10 | S 14 |
| M15 | 13 55 39 | 0♉34'39 | 26°58 | 9°28 | 8°38 | 7°23 | 29° 9 | 4°28 | 19°22 | 23°28 | 14°32 | 18°34 | 19°18 | 28°33 | 10°13 | M15 |
| T 16 | 13 59 36 | 1°32'45 | 9♉ 5 | 9° 3 | 9°51 | 8° 2 | 29°22 | 4°27 | 19°20 | 23°27 | 14°33 | 18°21 | 19°15 | 28°40 | 10°15 | T 16 |
| W17 | 14 3 32 | 2°30'49 | 21°19 | 8°34 | 11° 5 | 8°41 | 29°35 | 4°26 | 19°17 | 23°25 | 14°34 | 18° 9 | 19°12 | 28°47 | 10°18 | W17 |
| T 18 | 14 7 29 | 3°28'51 | 3♊43 | 8° 2 | 12°18 | 9°20 | 29°48 | 4°25 | 19°15 | 23°23 | 14°36 | 18° 0 | 19° 8 | 28°54 | 10°21 | T 18 |
| F 19 | 14 11 25 | 4°26'51 | 16°16 | 7°29 | 13°31 | 9°59 | 0♊ 1 | 4°24 | 19°12 | 23°22 | 14°37 | 17°53 | 19° 5 | 29° 0 | 10°23 | F 19 |
| S 20 | 14 15 22 | 5°24'50 | 29° 0 | 6°53 | 14°44 | 10°38 | 0°14 | 4°23 | 19°10 | 23°20 | 14°38 | 17°50 | 19° 2 | 29° 7 | 10°26 | S 20 |
| S 21 | 14 19 19 | 6°22'47 | 11♋58 | 6°17 | 15°57 | 11°17 | 0°28 | 4°22 | 19° 8 | 23°19 | 14°40 | 17°D48 | 18°59 | 29°14 | 10°28 | S 21 |
| M22 | 14 23 15 | 7°20'42 | 25°13 | 5°41 | 17°11 | 11°56 | 0°41 | 4°20 | 19° 5 | 23°17 | 14°41 | 17°48 | 18°56 | 29°20 | 10°31 | M22 |
| T 23 | 14 27 12 | 8°18'35 | 8♌46 | 5° 4 | 18°24 | 12°35 | 0°54 | 4°19 | 19° 3 | 23°16 | 14°42 | 17°R48 | 18°52 | 29°27 | 10°33 | T 23 |
| W24 | 14 31 8 | 9°16'26 | 22°40 | 4°29 | 19°37 | 13°14 | 1° 8 | 4°17 | 19° 1 | 23°14 | 14°44 | 17°48 | 18°49 | 29°34 | 10°35 | W24 |
| T 25 | 14 35 5 | 10°14'15 | 6♍56 | 3°55 | 20°50 | 13°52 | 1°21 | 4°16 | 18°58 | 23°12 | 14°45 | 17°45 | 18°46 | 29°41 | 10°38 | T 25 |
| F 26 | 14 39 1 | 11°12'03 | 21°31 | 3°24 | 22° 4 | 14°31 | 1°35 | 4°14 | 18°56 | 23°11 | 14°47 | 17°40 | 18°43 | 29°47 | 10°40 | F 26 |
| S 27 | 14 42 58 | 12° 9'49 | 6♎21 | 2°55 | 23°17 | 15°10 | 1°48 | 4°12 | 18°54 | 23° 9 | 14°48 | 17°33 | 18°40 | 29°54 | 10°42 | S 27 |
| S 28 | 14 46 54 | 13° 7'33 | 21°20 | 2°29 | 24°30 | 15°49 | 2° 1 | 4°10 | 18°51 | 23° 8 | 14°49 | 17°24 | 18°37 | 0♈ 1 | 10°44 | S 28 |
| M29 | 14 50 51 | 14° 5'15 | 6♏18 | 2° 7 | 25°43 | 16°28 | 2°15 | 4° 8 | 18°49 | 23° 6 | 14°51 | 17°15 | 18°33 | 0° 7 | 10°47 | M29 |
| T 30 | 14 54 48 | 15♉ 2'57 | 21♏ 6 | 1♉48 | 26♈56 | 17♊ 7 | 2♊29 | 4♑ 6 | 18♎47 | 23♎ 5 | 14♉52 | 17♑ 6 | 18♑30 | 0♈14 | 10♓49 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n42 | 15s24 | 4s57 | 16n30 | 2n52 | 4s45 | 1s31 | 20n42 | 0n52 | 18n51 | 0s34 | 22s43 | 0n46 | 7s16 | 0n37 | 7s33 | 1n53 | 3n 0 | 13s47 | 22s 3 | 22s 3 | 3n 8 | 3s32 | 4n51 |
| T 2 | 7 4 | 20 10 | 4 37 | 16 49 | 2 55 | 4 17 | 1 31 | 20 51 | 0 52 | 18 54 | 0 33 | 22 43 | 0 46 | 7 15 | 0 37 | 7 32 | 1 53 | 3 1 | 13 47 | 22 5 | 22 3 | 3 11 | 3 31 | 4 52 |
| W 3 | 7 27 | 23 33 | 3 58 | 17 5 | 2 57 | 3 48 | 1 32 | 21 0 | 0 52 | 18 57 | 0 33 | 22 43 | 0 46 | 7 14 | 0 37 | 7 31 | 1 53 | 3 1 | 13 46 | 22 6 | 22 4 | 3 14 | 3 30 | 4 52 |
| T 4 | 7 49 | 25 21 | 3 6 | 17 18 | 2 57 | 3 20 | 1 33 | 21 9 | 0 53 | 19 0 | 0 33 | 22 43 | 0 46 | 7 13 | 0 37 | 7 31 | 1 53 | 3 2 | 13 46 | 22 7 | 22 4 | 3 17 | 3 28 | 4 52 |
| F 5 | 8 11 | 25 33 | 2 5 | 17 28 | 2 57 | 2 51 | 1 33 | 21 17 | 0 53 | 19 3 | 0 33 | 22 43 | 0 46 | 7 12 | 0 37 | 7 30 | 1 53 | 3 2 | 13 46 | 22 7 | 22 5 | 3 20 | 3 27 | 4 52 |
| S 6 | 8 33 | 24 16 | 0 59 | 17 34 | 2 55 | 2 22 | 1 34 | 21 26 | 0 54 | 19 6 | 0 33 | 22 43 | 0 46 | 7 11 | 0 37 | 7 29 | 1 53 | 3 3 | 13 46 | 22 7 | 22 5 | 3 23 | 3 26 | 4 52 |
| S 7 | 8 55 | 21 45 | 0n 8 | 17 38 | 2 52 | 1 53 | 1 34 | 21 34 | 0 54 | 19 9 | 0 33 | 22 43 | 0 46 | 7 10 | 0 37 | 7 29 | 1 53 | 3 3 | 13 46 | 22 7 | 22 6 | 3 26 | 3 25 | 4 52 |
| M 8 | 9 16 | 18 17 | 1 13 | 17 39 | 2 48 | 1 24 | 1 34 | 21 42 | 0 54 | 19 12 | 0 33 | 22 43 | 0 46 | 7 9 | 0 37 | 7 28 | 1 53 | 3 4 | 13 46 | 22 7 | 22 6 | 3 29 | 3 23 | 4 52 |
| T 9 | 9 38 | 14 7 | 2 13 | 17 36 | 2 43 | 0 55 | 1 35 | 21 50 | 0 55 | 19 15 | 0 32 | 22 43 | 0 46 | 7 8 | 0 37 | 7 28 | 1 53 | 3 4 | 13 46 | 22 8 | 22 7 | 3 32 | 3 22 | 4 52 |
| W10 | 9 59 | 9 28 | 3 6 | 17 31 | 2 36 | 0 26 | 1 35 | 21 58 | 0 55 | 19 18 | 0 32 | 22 43 | 0 46 | 7 7 | 0 37 | 7 27 | 1 53 | 3 5 | 13 45 | 22 8 | 22 7 | 3 35 | 3 21 | 4 53 |
| T 11 | 10 21 | 4 31 | 3 51 | 17 22 | 2 28 | 0n 3 | 1 35 | 22 6 | 0 55 | 19 21 | 0 32 | 22 43 | 0 46 | 7 6 | 0 37 | 7 26 | 1 53 | 3 5 | 13 45 | 22 9 | 22 8 | 3 38 | 3 20 | 4 53 |
| F 12 | 10 42 | 0n34 | 4 26 | 17 11 | 2 19 | 0 32 | 1 35 | 22 13 | 0 56 | 19 24 | 0 32 | 22 43 | 0 46 | 7 5 | 0 37 | 7 26 | 1 53 | 3 6 | 13 45 | 22 10 | 22 8 | 3 41 | 3 18 | 4 53 |
| S 13 | 11 3 | 5 38 | 4 49 | 16 57 | 2 8 | 1 1 | 1 35 | 22 21 | 0 56 | 19 27 | 0 32 | 22 43 | 0 46 | 7 4 | 0 37 | 7 25 | 1 53 | 3 6 | 13 45 | 22 12 | 22 8 | 3 44 | 3 17 | 4 53 |
| S 14 | 11 23 | 10 31 | 4 59 | 16 40 | 1 57 | 1 30 | 1 35 | 22 28 | 0 56 | 19 30 | 0 32 | 22 43 | 0 46 | 7 4 | 0 37 | 7 25 | 1 53 | 3 6 | 13 45 | 22 14 | 22 9 | 3 47 | 3 16 | 4 53 |
| M15 | 11 44 | 15 3 | 4 57 | 16 21 | 1 44 | 1 59 | 1 35 | 22 34 | 0 57 | 19 33 | 0 32 | 22 43 | 0 46 | 7 3 | 0 37 | 7 24 | 1 53 | 3 7 | 13 45 | 22 16 | 22 9 | 3 50 | 3 15 | 4 53 |
| T 16 | 12 4 | 19 1 | 4 41 | 16 0 | 1 30 | 2 28 | 1 35 | 22 41 | 0 57 | 19 36 | 0 31 | 22 43 | 0 46 | 7 2 | 0 37 | 7 23 | 1 53 | 3 7 | 13 45 | 22 17 | 22 10 | 3 53 | 3 14 | 4 54 |
| W17 | 12 24 | 22 14 | 4 12 | 15 37 | 1 15 | 2 57 | 1 34 | 22 48 | 0 57 | 19 39 | 0 31 | 22 43 | 0 46 | 7 1 | 0 37 | 7 23 | 1 53 | 3 8 | 13 45 | 22 19 | 22 10 | 3 56 | 3 13 | 4 54 |
| T 18 | 12 44 | 24 26 | 3 31 | 15 12 | 1 0 | 3 26 | 1 34 | 22 54 | 0 58 | 19 42 | 0 31 | 22 43 | 0 46 | 7 0 | 0 37 | 7 22 | 1 53 | 3 8 | 13 45 | 22 20 | 22 11 | 3 59 | 3 11 | 4 54 |
| F 19 | 13 4 | 25 28 | 2 39 | 14 45 | 0 43 | 3 55 | 1 33 | 23 0 | 0 58 | 19 45 | 0 31 | 22 43 | 0 46 | 6 59 | 0 37 | 7 22 | 1 53 | 3 9 | 13 45 | 22 21 | 22 11 | 4 2 | 3 10 | 4 54 |
| S 20 | 13 23 | 25 11 | 1 38 | 14 18 | 0 27 | 4 24 | 1 33 | 23 6 | 0 58 | 19 48 | 0 31 | 22 43 | 0 46 | 6 58 | 0 37 | 7 21 | 1 53 | 3 9 | 13 44 | 22 22 | 22 12 | 4 5 | 3 9 | 4 54 |
| S 21 | 13 43 | 23 31 | 0 31 | 13 50 | 0 10 | 4 53 | 1 32 | 23 12 | 0 58 | 19 50 | 0 31 | 22 43 | 0 46 | 6 57 | 0 37 | 7 21 | 1 53 | 3 10 | 13 44 | 22 22 | 22 12 | 4 8 | 3 8 | 4 54 |
| M22 | 14 2 | 20 33 | 0s39 | 13 21 | 0s 8 | 5 22 | 1 32 | 23 18 | 0 59 | 19 53 | 0 31 | 22 43 | 0 46 | 6 56 | 0 37 | 7 20 | 1 53 | 3 10 | 13 44 | 22 22 | 22 13 | 4 11 | 3 7 | 4 55 |
| T 23 | 14 21 | 16 24 | 1 49 | 12 53 | 0 25 | 5 51 | 1 31 | 23 23 | 0 59 | 19 56 | 0 31 | 22 43 | 0 46 | 6 55 | 0 37 | 7 19 | 1 53 | 3 10 | 13 44 | 22 22 | 22 13 | 4 14 | 3 6 | 4 55 |
| W24 | 14 39 | 11 17 | 2 54 | 12 25 | 0 42 | 6 19 | 1 30 | 23 28 | 0 59 | 19 59 | 0 30 | 22 43 | 0 46 | 6 54 | 0 37 | 7 19 | 1 53 | 3 11 | 13 44 | 22 22 | 22 13 | 4 17 | 3 5 | 4 55 |
| T 25 | 14 57 | 5 27 | 3 50 | 11 57 | 0 59 | 6 47 | 1 29 | 23 34 | 1 0 | 20 2 | 0 30 | 22 43 | 0 46 | 6 54 | 0 37 | 7 18 | 1 53 | 3 11 | 13 44 | 22 22 | 22 14 | 4 20 | 3 4 | 4 55 |
| F 26 | 15 16 | 0s47 | 4 32 | 11 31 | 1 16 | 7 16 | 1 29 | 23 38 | 1 0 | 20 5 | 0 30 | 22 43 | 0 46 | 6 53 | 0 37 | 7 18 | 1 53 | 3 12 | 13 44 | 22 23 | 22 14 | 4 23 | 3 3 | 4 55 |
| S 27 | 15 33 | 7 5 | 4 57 | 11 6 | 1 32 | 7 44 | 1 28 | 23 43 | 1 0 | 20 8 | 0 30 | 22 43 | 0 46 | 6 52 | 0 37 | 7 17 | 1 53 | 3 12 | 13 44 | 22 24 | 22 15 | 4 26 | 3 2 | 4 56 |
| S 28 | 15 51 | 13 1 | 5 2 | 10 43 | 1 47 | 8 12 | 1 27 | 23 48 | 1 0 | 20 10 | 0 30 | 22 44 | 0 46 | 6 51 | 0 37 | 7 17 | 1 53 | 3 13 | 13 44 | 22 25 | 22 15 | 4 29 | 3 1 | 4 56 |
| M29 | 16 8 | 18 11 | 4 47 | 10 22 | 2 1 | 8 40 | 1 26 | 23 52 | 1 1 | 20 13 | 0 30 | 22 44 | 0 46 | 6 50 | 0 37 | 7 16 | 1 53 | 3 13 | 13 44 | 22 26 | 22 16 | 4 31 | 3 0 | 4 56 |
| T 30 | 16n26 | 22s10 | 4s12 | 10n 3 | 2s15 | 9n 7 | 1s24 | 23n56 | 1n 1 | 20n16 | 0s30 | 22s44 | 0n46 | 6s49 | 0n37 | 7s16 | 1n53 | 3n13 | 13s44 | 22s27 | 22s16 | 4n34 | 2s59 | 4n56 |

Julian Day Number = 2135706.5, Delta T = 15m57s
Ecliptic obliquity = 23°33'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'03, Lahiri = 11°48'03 Julian Calendar 1 Apr. 1135 == Greg. Calendar 8 Apr. 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## MAY 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 58 44 | 16♉ 0'37 | 5♐37 | 1°R33 | 28♈10 | 17♊45 | 2♊42 | 4°R 4 | 18°R45 | 23°R 3 | 14♉53 | 16°R58 | 18♑27 | 0♈21 | 10♓51 | W 1 |
| T 2 | 15 2 41 | 16°58'15 | 19°43 | 1♉23 | 29°23 | 18°24 | 2°56 | 4♑ 2 | 18♎43 | 23♎ 2 | 14°55 | 16♑53 | 18°24 | 0°28 | 10°53 | T 2 |
| F 3 | 15 6 37 | 17°55'53 | 3♑23 | 1°17 | 0♉36 | 19° 3 | 3° 9 | 4° 0 | 18°40 | 23° 0 | 14°56 | 16°50 | 18°21 | 0°34 | 10°55 | F 3 |
| S 4 | 15 10 34 | 18°53'30 | 16°35 | 1°D15 | 1°49 | 19°42 | 3°23 | 3°57 | 18°38 | 22°59 | 14°57 | 16°D50 | 18°18 | 0°41 | 10°57 | S 4 |
| S 5 | 15 14 30 | 19°51'05 | 29°22 | 1°18 | 3° 3 | 20°20 | 3°37 | 3°55 | 18°36 | 22°58 | 14°59 | 16°50 | 18°14 | 0°48 | 10°58 | S 5 |
| M 6 | 15 18 27 | 20°48'40 | 11♒49 | 1°26 | 4°16 | 20°59 | 3°50 | 3°52 | 18°34 | 22°56 | 15° 0 | 16°51 | 18°11 | 0°55 | 11° 0 | M 6 |
| T 7 | 15 22 23 | 21°46'13 | 23°59 | 1°38 | 5°29 | 21°38 | 4° 4 | 3°50 | 18°32 | 22°55 | 15° 1 | 16°R51 | 18° 8 | 1° 1 | 11° 2 | T 7 |
| W 8 | 15 26 20 | 22°43'46 | 5♓58 | 1°54 | 6°43 | 22°16 | 4°18 | 3°47 | 18°30 | 22°53 | 15° 3 | 16°50 | 18° 5 | 1° 8 | 11° 4 | W 8 |
| T 9 | 15 30 17 | 23°41'17 | 17°50 | 2°15 | 7°56 | 22°55 | 4°32 | 3°44 | 18°28 | 22°52 | 15° 4 | 16°47 | 18° 2 | 1°15 | 11° 5 | T 9 |
| F 10 | 15 34 13 | 24°38'48 | 29°41 | 2°40 | 9° 9 | 23°33 | 4°45 | 3°41 | 18°26 | 22°51 | 15° 5 | 16°42 | 17°58 | 1°21 | 11° 7 | F 10 |
| S 11 | 15 38 10 | 25°36'18 | 11♈34 | 3°10 | 10°22 | 24°12 | 4°59 | 3°38 | 18°25 | 22°49 | 15° 7 | 16°35 | 17°55 | 1°28 | 11° 9 | S 11 |
| S 12 | 15 42 6 | 26°33'47 | 23°33 | 3°43 | 11°36 | 24°51 | 5°13 | 3°35 | 18°23 | 22°48 | 15° 8 | 16°27 | 17°52 | 1°35 | 11°10 | S 12 |
| M13 | 15 46 3 | 27°31'15 | 5♉40 | 4°21 | 12°49 | 25°29 | 5°27 | 3°32 | 18°21 | 22°47 | 15° 9 | 16°18 | 17°49 | 1°42 | 11°11 | M13 |
| T 14 | 15 49 59 | 28°28'42 | 17°57 | 5° 3 | 14° 2 | 26° 8 | 5°40 | 3°29 | 18°19 | 22°45 | 15°11 | 16° 9 | 17°46 | 1°48 | 11°13 | T 14 |
| W15 | 15 53 56 | 29°26'08 | 0♊25 | 5°48 | 15°16 | 26°46 | 5°54 | 3°26 | 18°17 | 22°44 | 15°12 | 16° 1 | 17°43 | 1°55 | 11°14 | W15 |
| T 16 | 15 57 52 | 0♊23'34 | 13° 4 | 6°37 | 16°29 | 27°25 | 6° 8 | 3°23 | 18°16 | 22°43 | 15°13 | 15°55 | 17°39 | 2° 2 | 11°16 | T 16 |
| F 17 | 16 1 49 | 1°20'58 | 25°55 | 7°30 | 17°42 | 28° 3 | 6°22 | 3°19 | 18°14 | 22°42 | 15°15 | 15°51 | 17°36 | 2° 8 | 11°17 | F 17 |
| S 18 | 16 5 46 | 2°18'21 | 8♋58 | 8°26 | 18°56 | 28°42 | 6°36 | 3°16 | 18°12 | 22°41 | 15°16 | 15°49 | 17°33 | 2°15 | 11°18 | S 18 |
| S 19 | 16 9 42 | 3°15'44 | 22°13 | 9°26 | 20° 9 | 29°20 | 6°50 | 3°12 | 18°11 | 22°39 | 15°17 | 15°D49 | 17°30 | 2°22 | 11°19 | S 19 |
| M20 | 16 13 39 | 4°13'05 | 5♌41 | 10°29 | 21°22 | 29°59 | 7° 4 | 3° 9 | 18° 9 | 22°38 | 15°19 | 15°50 | 17°27 | 2°29 | 11°20 | M20 |
| T 21 | 16 17 35 | 5°10'25 | 19°22 | 11°36 | 22°36 | 0♍37 | 7°17 | 3° 5 | 18° 8 | 22°37 | 15°20 | 15°52 | 17°24 | 2°35 | 11°21 | T 21 |
| W22 | 16 21 32 | 6° 7'44 | 3♍17 | 12°46 | 23°49 | 1°16 | 7°31 | 3° 2 | 18° 6 | 22°36 | 15°21 | 15°R52 | 17°20 | 2°42 | 11°22 | W22 |
| T 23 | 16 25 28 | 7° 5'02 | 17°25 | 13°59 | 25° 3 | 1°54 | 7°45 | 2°58 | 18° 5 | 22°35 | 15°23 | 15°52 | 17°17 | 2°49 | 11°23 | T 23 |
| F 24 | 16 29 25 | 8° 2'19 | 1♎46 | 15°15 | 26°16 | 2°33 | 7°59 | 2°54 | 18° 4 | 22°34 | 15°24 | 15°50 | 17°14 | 2°55 | 11°24 | F 24 |
| S 25 | 16 33 21 | 8°59'35 | 16°15 | 16°34 | 27°29 | 3°11 | 8°13 | 2°50 | 18° 2 | 22°33 | 15°25 | 15°47 | 17°11 | 3° 2 | 11°25 | S 25 |
| S 26 | 16 37 18 | 9°56'50 | 0♏49 | 17°57 | 28°43 | 3°49 | 8°27 | 2°46 | 18° 1 | 22°32 | 15°26 | 15°42 | 17° 8 | 3° 9 | 11°26 | S 26 |
| M27 | 16 41 15 | 10°54'04 | 15°22 | 19°22 | 29°56 | 4°28 | 8°40 | 2°43 | 18° 0 | 22°31 | 15°28 | 15°37 | 17° 4 | 3°16 | 11°26 | M27 |
| T 28 | 16 45 11 | 11°51'18 | 29°47 | 20°51 | 1♊10 | 5° 6 | 8°54 | 2°39 | 17°59 | 22°30 | 15°29 | 15°32 | 17° 1 | 3°22 | 11°27 | T 28 |
| W29 | 16 49 8 | 12°48'31 | 13♐59 | 22°22 | 2°23 | 5°45 | 9° 8 | 2°35 | 17°58 | 22°29 | 15°30 | 15°28 | 16°58 | 3°29 | 11°28 | W29 |
| T 30 | 16 53 4 | 13°45'44 | 27°52 | 23°57 | 3°36 | 6°23 | 9°22 | 2°31 | 17°57 | 22°28 | 15°31 | 15°25 | 16°55 | 3°36 | 11°28 | T 30 |
| F 31 | 16 57 1 | 14♊42'56 | 11♑23 | 25♉34 | 4♊50 | 7♋ 1 | 9♊36 | 2♑27 | 17♎56 | 22♎27 | 15♉32 | 15°D24 | 16♑52 | 3♈42 | 11♓29 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n42 | 24s39 | 3s21 | 9n46 | 2s28 | 9n34 | 1s23 | 24n 0 | 1n 1 | 20n19 | 0s30 | 22s44 | 0n46 | 6s49 | 0n37 | 7s15 | 1n53 | 3n14 | 13s44 | 22s28 | 22s16 | 4n37 | 2s58 | 4n56 |
| T 2 | 16 59 | 25 28 | 2 19 | 9 31 | 2 39 | 10 2 | 1 22 | 24 4 | 1 1 | 20 22 | 0 30 | 22 44 | 0 46 | 6 48 | 0 37 | 7 14 | 1 53 | 3 14 | 13 44 | 22 29 | 22 17 | 4 40 | 2 57 | 4 57 |
| F 3 | 17 15 | 24 42 | 1 11 | 9 19 | 2 50 | 10 29 | 1 21 | 24 7 | 1 2 | 20 24 | 0 29 | 22 44 | 0 46 | 6 47 | 0 37 | 7 14 | 1 53 | 3 15 | 13 44 | 22 29 | 22 17 | 4 43 | 2 56 | 4 57 |
| S 4 | 17 31 | 22 32 | 0 1 | 9 10 | 3 0 | 10 55 | 1 19 | 24 11 | 1 2 | 20 27 | 0 29 | 22 44 | 0 46 | 6 46 | 0 37 | 7 13 | 1 53 | 3 15 | 13 44 | 22 29 | 22 18 | 4 46 | 2 55 | 4 57 |
| S 5 | 17 47 | 19 17 | 1n 7 | 9 3 | 3 8 | 11 22 | 1 18 | 24 14 | 1 2 | 20 30 | 0 29 | 22 44 | 0 46 | 6 45 | 0 37 | 7 13 | 1 53 | 3 15 | 13 44 | 22 29 | 22 18 | 4 49 | 2 54 | 4 57 |
| M 6 | 18 2 | 15 15 | 2 10 | 8 58 | 3 16 | 11 48 | 1 16 | 24 17 | 1 2 | 20 33 | 0 29 | 22 44 | 0 46 | 6 45 | 0 37 | 7 12 | 1 53 | 3 16 | 13 44 | 22 29 | 22 19 | 4 52 | 2 53 | 4 57 |
| T 7 | 18 18 | 10 40 | 3 5 | 8 56 | 3 22 | 12 14 | 1 15 | 24 20 | 1 3 | 20 35 | 0 29 | 22 44 | 0 45 | 6 44 | 0 37 | 7 12 | 1 53 | 3 16 | 13 44 | 22 29 | 22 19 | 4 55 | 2 52 | 4 58 |
| W 8 | 18 32 | 5 46 | 3 52 | 8 57 | 3 27 | 12 40 | 1 13 | 24 22 | 1 3 | 20 38 | 0 29 | 22 44 | 0 45 | 6 43 | 0 37 | 7 11 | 1 53 | 3 16 | 13 44 | 22 29 | 22 19 | 4 58 | 2 52 | 4 58 |
| T 9 | 18 47 | 0 43 | 4 28 | 9 0 | 3 32 | 13 5 | 1 12 | 24 25 | 1 3 | 20 40 | 0 29 | 22 45 | 0 45 | 6 42 | 0 37 | 7 11 | 1 53 | 3 17 | 13 44 | 22 30 | 22 20 | 5 1 | 2 51 | 4 58 |
| F 10 | 19 1 | 4n21 | 4 53 | 9 5 | 3 35 | 13 30 | 1 10 | 24 27 | 1 3 | 20 43 | 0 29 | 22 45 | 0 45 | 6 42 | 0 37 | 7 11 | 1 53 | 3 17 | 13 44 | 22 30 | 22 20 | 5 4 | 2 50 | 4 58 |
| S 11 | 19 15 | 9 16 | 5 5 | 9 13 | 3 38 | 13 55 | 1 8 | 24 29 | 1 3 | 20 46 | 0 29 | 22 45 | 0 45 | 6 41 | 0 37 | 7 10 | 1 53 | 3 18 | 13 44 | 22 31 | 22 21 | 5 7 | 2 49 | 4 58 |
| S 12 | 19 29 | 13 53 | 5 4 | 9 23 | 3 39 | 14 20 | 1 7 | 24 31 | 1 4 | 20 48 | 0 28 | 22 45 | 0 45 | 6 40 | 0 37 | 7 10 | 1 53 | 3 18 | 13 44 | 22 32 | 22 21 | 5 10 | 2 48 | 4 59 |
| M13 | 19 42 | 18 1 | 4 49 | 9 35 | 3 40 | 14 44 | 1 5 | 24 32 | 1 4 | 20 51 | 0 28 | 22 45 | 0 45 | 6 40 | 0 37 | 7 9 | 1 53 | 3 18 | 13 44 | 22 33 | 22 22 | 5 12 | 2 48 | 4 59 |
| T 14 | 19 55 | 21 26 | 4 21 | 9 49 | 3 39 | 15 7 | 1 3 | 24 34 | 1 4 | 20 53 | 0 28 | 22 45 | 0 45 | 6 39 | 0 37 | 7 9 | 1 53 | 3 19 | 13 44 | 22 34 | 22 22 | 5 15 | 2 47 | 4 59 |
| W15 | 20 7 | 23 55 | 3 40 | 10 5 | 3 38 | 15 31 | 1 1 | 24 35 | 1 4 | 20 56 | 0 28 | 22 45 | 0 45 | 6 38 | 0 37 | 7 8 | 1 53 | 3 19 | 13 44 | 22 35 | 22 22 | 5 18 | 2 46 | 4 59 |
| T 16 | 20 20 | 25 14 | 2 47 | 10 23 | 3 36 | 15 54 | 0 59 | 24 36 | 1 4 | 20 58 | 0 28 | 22 45 | 0 45 | 6 38 | 0 37 | 7 8 | 1 53 | 3 19 | 13 44 | 22 36 | 22 23 | 5 21 | 2 45 | 5 0 |
| F 17 | 20 32 | 25 15 | 1 45 | 10 43 | 3 33 | 16 17 | 0 57 | 24 37 | 1 5 | 21 1 | 0 28 | 22 45 | 0 45 | 6 37 | 0 37 | 7 7 | 1 53 | 3 20 | 13 44 | 22 36 | 22 23 | 5 24 | 2 45 | 5 0 |
| S 18 | 20 43 | 23 52 | 0 37 | 11 4 | 3 30 | 16 39 | 0 55 | 24 37 | 1 5 | 21 3 | 0 28 | 22 46 | 0 45 | 6 37 | 0 36 | 7 7 | 1 53 | 3 20 | 13 44 | 22 37 | 22 24 | 5 27 | 2 44 | 5 0 |
| S 19 | 20 54 | 21 9 | 0s35 | 11 27 | 3 26 | 17 1 | 0 53 | 24 38 | 1 5 | 21 6 | 0 28 | 22 46 | 0 45 | 6 36 | 0 36 | 7 7 | 1 53 | 3 20 | 13 44 | 22 37 | 22 24 | 5 30 | 2 43 | 5 0 |
| M20 | 21 5 | 17 14 | 1 46 | 11 52 | 3 21 | 17 22 | 0 51 | 24 38 | 1 5 | 21 8 | 0 28 | 22 46 | 0 45 | 6 36 | 0 36 | 7 6 | 1 53 | 3 20 | 13 44 | 22 36 | 22 24 | 5 33 | 2 43 | 5 1 |
| T 21 | 21 16 | 12 22 | 2 52 | 12 17 | 3 15 | 17 43 | 0 49 | 24 38 | 1 5 | 21 11 | 0 28 | 22 46 | 0 45 | 6 35 | 0 36 | 7 6 | 1 53 | 3 21 | 13 44 | 22 36 | 22 25 | 5 36 | 2 42 | 5 1 |
| W22 | 21 26 | 6 48 | 3 49 | 12 44 | 3 9 | 18 3 | 0 47 | 24 38 | 1 5 | 21 13 | 0 27 | 22 46 | 0 45 | 6 34 | 0 36 | 7 6 | 1 53 | 3 21 | 13 44 | 22 36 | 22 25 | 5 39 | 2 42 | 5 1 |
| T 23 | 21 36 | 0 48 | 4 33 | 13 13 | 3 2 | 18 23 | 0 45 | 24 38 | 1 6 | 21 15 | 0 27 | 22 46 | 0 45 | 6 34 | 0 36 | 7 5 | 1 53 | 3 21 | 13 44 | 22 36 | 22 26 | 5 41 | 2 41 | 5 1 |
| F 24 | 21 45 | 5s18 | 5 1 | 13 42 | 2 55 | 18 43 | 0 43 | 24 37 | 1 6 | 21 18 | 0 27 | 22 46 | 0 45 | 6 33 | 0 36 | 7 5 | 1 52 | 3 22 | 13 45 | 22 36 | 22 26 | 5 44 | 2 40 | 5 1 |
| S 25 | 21 54 | 11 11 | 5 11 | 14 12 | 2 47 | 19 2 | 0 40 | 24 37 | 1 6 | 21 20 | 0 27 | 22 47 | 0 45 | 6 33 | 0 36 | 7 5 | 1 52 | 3 22 | 13 45 | 22 37 | 22 27 | 5 47 | 2 40 | 5 2 |
| S 26 | 22 3 | 16 29 | 5 0 | 14 43 | 2 38 | 19 21 | 0 38 | 24 36 | 1 6 | 21 22 | 0 27 | 22 47 | 0 45 | 6 33 | 0 36 | 7 4 | 1 52 | 3 22 | 13 45 | 22 37 | 22 27 | 5 50 | 2 39 | 5 2 |
| M27 | 22 11 | 20 49 | 4 30 | 15 15 | 2 30 | 19 39 | 0 36 | 24 35 | 1 6 | 21 25 | 0 27 | 22 47 | 0 45 | 6 32 | 0 36 | 7 4 | 1 52 | 3 22 | 13 45 | 22 38 | 22 27 | 5 53 | 2 39 | 5 2 |
| T 28 | 22 19 | 23 50 | 3 43 | 15 48 | 2 20 | 19 56 | 0 34 | 24 33 | 1 6 | 21 27 | 0 27 | 22 47 | 0 45 | 6 32 | 0 36 | 7 4 | 1 52 | 3 23 | 13 45 | 22 39 | 22 28 | 5 56 | 2 38 | 5 2 |
| W29 | 22 26 | 25 17 | 2 43 | 16 21 | 2 10 | 20 13 | 0 31 | 24 32 | 1 6 | 21 29 | 0 27 | 22 47 | 0 45 | 6 31 | 0 36 | 7 3 | 1 52 | 3 23 | 13 45 | 22 39 | 22 28 | 5 59 | 2 38 | 5 3 |
| T 30 | 22 34 | 25 6 | 1 34 | 16 54 | 2 0 | 20 30 | 0 29 | 24 30 | 1 7 | 21 31 | 0 27 | 22 47 | 0 45 | 6 31 | 0 36 | 7 3 | 1 52 | 3 23 | 13 45 | 22 39 | 22 29 | 6 2 | 2 38 | 5 3 |
| F 31 | 22n40 | 23s26 | 0s22 | 17n28 | 1s50 | 20n46 | 0s27 | 24n29 | 1n 7 | 21n33 | 0s27 | 22s47 | 0n44 | 6s31 | 0n36 | 7s 3 | 1n52 | 3n23 | 13s45 | 22s39 | 22s29 | 6n 4 | 2s37 | 5n 3 |

Julian Day Number = 2135736.5, Delta T = 15m57s
Ecliptic obliquity = 23°33'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'07, Lahiri = 11°48'07 Julian Calendar 1 May 1135 == Greg. Calendar 8 May 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## JUNE 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 0 57 | 15♊40'08 | 24♑32 | 27♉15 | 6♊ 3 | 7♋40 | 9♊50 | 2°R22 | 17°R55 | 22°R27 | 15♉34 | 15♑25 | 16♑49 | 3♈49 | 11♓29 | S 1 |
| S 2 | 17 4 54 | 16°37'19 | 7♒19 | 28°58 | 7°17 | 8°18 | 10° 3 | 2♑18 | 17♎54 | 22♎26 | 15°35 | 15°26 | 16°45 | 3°56 | 11°30 | S 2 |
| M 3 | 17 8 51 | 17°34'30 | 19°47 | 0♊44 | 8°30 | 8°56 | 10°17 | 2°14 | 17°53 | 22°25 | 15°36 | 15°27 | 16°42 | 4° 3 | 11°30 | M 3 |
| T 4 | 17 12 47 | 18°31'41 | 1♓59 | 2°33 | 9°44 | 9°34 | 10°31 | 2°10 | 17°52 | 22°24 | 15°37 | 15°29 | 16°39 | 4° 9 | 11°30 | T 4 |
| W 5 | 17 16 44 | 19°28'52 | 14° 1 | 4°25 | 10°57 | 10°13 | 10°45 | 2° 6 | 17°51 | 22°24 | 15°38 | 15°30 | 16°36 | 4°16 | 11°30 | W 5 |
| T 6 | 17 20 40 | 20°26'03 | 25°55 | 6°19 | 12°11 | 10°51 | 10°58 | 2° 1 | 17°50 | 22°23 | 15°40 | 15°R30 | 16°33 | 4°23 | 11°31 | T 6 |
| F 7 | 17 24 37 | 21°23'14 | 7♈48 | 8°16 | 13°24 | 11°29 | 11°12 | 1°57 | 17°50 | 22°22 | 15°41 | 15°29 | 16°30 | 4°30 | 11°31 | F 7 |
| S 8 | 17 28 33 | 22°20'25 | 19°44 | 10°15 | 14°38 | 12° 7 | 11°26 | 1°53 | 17°49 | 22°22 | 15°42 | 15°27 | 16°26 | 4°36 | 11°31 | S 8 |
| S 9 | 17 32 30 | 23°17'36 | 1♉46 | 12°17 | 15°51 | 12°46 | 11°40 | 1°48 | 17°48 | 22°21 | 15°43 | 15°24 | 16°23 | 4°43 | 11°R31 | S 9 |
| M10 | 17 36 26 | 24°14'47 | 13°59 | 14°20 | 17° 5 | 13°24 | 11°53 | 1°44 | 17°48 | 22°20 | 15°44 | 15°21 | 16°20 | 4°50 | 11°31 | M10 |
| T 11 | 17 40 23 | 25°11'58 | 26°24 | 16°25 | 18°19 | 14° 2 | 12° 7 | 1°40 | 17°47 | 22°20 | 15°45 | 15°18 | 16°17 | 4°56 | 11°31 | T 11 |
| W12 | 17 44 20 | 26° 9'10 | 9♊ 5 | 18°32 | 19°32 | 14°40 | 12°20 | 1°35 | 17°47 | 22°19 | 15°46 | 15°15 | 16°14 | 5° 3 | 11°31 | W12 |
| T 13 | 17 48 16 | 27° 6'21 | 22° 0 | 20°40 | 20°46 | 15°19 | 12°34 | 1°31 | 17°47 | 22°19 | 15°47 | 15°13 | 16°10 | 5°10 | 11°30 | T 13 |
| F 14 | 17 52 13 | 28° 3'32 | 5♋12 | 22°49 | 21°59 | 15°57 | 12°48 | 1°26 | 17°46 | 22°18 | 15°48 | 15°12 | 16° 7 | 5°17 | 11°30 | F 14 |
| S 15 | 17 56 9 | 29° 0'43 | 18°38 | 24°59 | 23°13 | 16°35 | 13° 1 | 1°22 | 17°46 | 22°18 | 15°49 | 15°D12 | 16° 4 | 5°23 | 11°30 | S 15 |
| S 16 | 18 0 6 | 29°57'55 | 2♌17 | 27° 9 | 24°27 | 17°13 | 13°15 | 1°18 | 17°46 | 22°18 | 15°50 | 15°12 | 16° 1 | 5°30 | 11°29 | S 16 |
| M17 | 18 4 2 | 0♋55'06 | 16° 7 | 29°19 | 25°40 | 17°51 | 13°28 | 1°13 | 17°46 | 22°17 | 15°51 | 15°13 | 15°58 | 5°37 | 11°29 | M17 |
| T 18 | 18 7 59 | 1°52'16 | 0♍ 7 | 1♋29 | 26°54 | 18°30 | 13°42 | 1° 9 | 17°45 | 22°17 | 15°52 | 15°14 | 15°55 | 5°43 | 11°28 | T 18 |
| W19 | 18 11 55 | 2°49'27 | 14°14 | 3°39 | 28° 8 | 19° 8 | 13°55 | 1° 4 | 17°45 | 22°17 | 15°53 | 15°15 | 15°51 | 5°50 | 11°28 | W19 |
| T 20 | 18 15 52 | 3°46'37 | 28°26 | 5°48 | 29°21 | 19°46 | 14° 9 | 1° 0 | 17°D45 | 22°16 | 15°54 | 15°R15 | 15°48 | 5°57 | 11°27 | T 20 |
| F 21 | 18 19 49 | 4°43'48 | 12♎41 | 7°56 | 0♋35 | 20°24 | 14°22 | 0°55 | 17°45 | 22°16 | 15°55 | 15°15 | 15°45 | 6° 4 | 11°27 | F 21 |
| S 22 | 18 23 45 | 5°40'58 | 26°55 | 10° 3 | 1°49 | 21° 2 | 14°35 | 0°51 | 17°45 | 22°16 | 15°56 | 15°15 | 15°42 | 6°10 | 11°26 | S 22 |
| S 23 | 18 27 42 | 6°38'08 | 11♏ 7 | 12° 9 | 3° 3 | 21°40 | 14°49 | 0°47 | 17°46 | 22°16 | 15°57 | 15°14 | 15°39 | 6°17 | 11°25 | S 23 |
| M24 | 18 31 38 | 7°35'19 | 25°13 | 14°13 | 4°16 | 22°19 | 15° 2 | 0°42 | 17°46 | 22°15 | 15°58 | 15°13 | 15°36 | 6°24 | 11°24 | M24 |
| T 25 | 18 35 35 | 8°32'29 | 9♐10 | 16°16 | 5°30 | 22°57 | 15°15 | 0°38 | 17°46 | 22°15 | 15°59 | 15°12 | 15°32 | 6°31 | 11°23 | T 25 |
| W26 | 18 39 31 | 9°29'40 | 22°55 | 18°18 | 6°44 | 23°35 | 15°28 | 0°34 | 17°46 | 22°15 | 16° 0 | 15°12 | 15°29 | 6°37 | 11°23 | W26 |
| T 27 | 18 43 28 | 10°26'51 | 6♑26 | 20°18 | 7°58 | 24°13 | 15°41 | 0°29 | 17°47 | 22°15 | 16° 1 | 15°11 | 15°26 | 6°44 | 11°22 | T 27 |
| F 28 | 18 47 25 | 11°24'03 | 19°40 | 22°16 | 9°11 | 24°51 | 15°54 | 0°25 | 17°47 | 22°D15 | 16° 2 | 15°D11 | 15°23 | 6°51 | 11°21 | F 28 |
| S 29 | 18 51 21 | 12°21'15 | 2♒37 | 24°13 | 10°25 | 25°29 | 16° 8 | 0°21 | 17°47 | 22°15 | 16° 3 | 15°12 | 15°20 | 6°57 | 11°19 | S 29 |
| S 30 | 18 55 18 | 13♋18'27 | 15♒18 | 26♋ 7 | 11♋39 | 26♋ 7 | 16♊21 | 0♑16 | 17♎48 | 22♎15 | 16♉ 3 | 15♑12 | 15♑16 | 7♈ 4 | 11♓18 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n47 | 20s30 | 0n50 | 18n 2 | 1s39 | 21n 1 | 0s24 | 24n26 | 1n 7 | 21n36 | 0s26 | 22s47 | 0n44 | 6s30 | 0n36 | 7s 2 | 1n52 | 3n24 | 13s45 | 22s39 | 22s29 | 6n 7 | 2s37 | 5n 3 |
| S 2 | 22 53 | 16 38 | 1 57 | 18 36 | 1 28 | 21 16 | 0 22 | 24 24 | 1 7 | 21 38 | 0 26 | 22 48 | 0 44 | 6 30 | 0 36 | 7 2 | 1 52 | 3 24 | 13 45 | 22 39 | 22 30 | 6 10 | 2 36 | 5 4 |
| M 3 | 22 58 | 12 9 | 2 57 | 19 9 | 1 16 | 21 30 | 0 20 | 24 22 | 1 7 | 21 40 | 0 26 | 22 48 | 0 44 | 6 30 | 0 36 | 7 2 | 1 52 | 3 24 | 13 45 | 22 39 | 22 30 | 6 13 | 2 36 | 5 4 |
| T 4 | 23 3 | 7 16 | 3 48 | 19 42 | 1 5 | 21 44 | 0 17 | 24 19 | 1 7 | 21 42 | 0 26 | 22 48 | 0 44 | 6 29 | 0 36 | 7 2 | 1 52 | 3 24 | 13 46 | 22 39 | 22 31 | 6 16 | 2 36 | 5 4 |
| W 5 | 23 8 | 2 12 | 4 28 | 20 15 | 0 53 | 21 57 | 0 15 | 24 17 | 1 7 | 21 44 | 0 26 | 22 48 | 0 44 | 6 29 | 0 36 | 7 2 | 1 52 | 3 24 | 13 46 | 22 39 | 22 31 | 6 19 | 2 35 | 5 4 |
| T 6 | 23 12 | 2n54 | 4 56 | 20 47 | 0 42 | 22 9 | 0 13 | 24 14 | 1 7 | 21 46 | 0 26 | 22 48 | 0 44 | 6 29 | 0 36 | 7 1 | 1 52 | 3 25 | 13 46 | 22 39 | 22 31 | 6 22 | 2 35 | 5 5 |
| F 7 | 23 16 | 7 52 | 5 11 | 21 17 | 0 30 | 22 21 | 0 10 | 24 10 | 1 8 | 21 48 | 0 26 | 22 48 | 0 44 | 6 29 | 0 36 | 7 1 | 1 52 | 3 25 | 13 46 | 22 39 | 22 32 | 6 24 | 2 35 | 5 5 |
| S 8 | 23 20 | 12 34 | 5 13 | 21 47 | 0 19 | 22 32 | 0 8 | 24 7 | 1 8 | 21 50 | 0 26 | 22 48 | 0 44 | 6 28 | 0 36 | 7 1 | 1 52 | 3 25 | 13 46 | 22 39 | 22 32 | 6 27 | 2 35 | 5 5 |
| S 9 | 23 23 | 16 51 | 5 1 | 22 15 | 0 7 | 22 43 | 0 5 | 24 4 | 1 8 | 21 52 | 0 26 | 22 49 | 0 44 | 6 28 | 0 36 | 7 1 | 1 52 | 3 25 | 13 46 | 22 40 | 22 32 | 6 30 | 2 34 | 5 5 |
| M10 | 23 26 | 20 29 | 4 36 | 22 41 | 0n 4 | 22 52 | 0 3 | 24 0 | 1 8 | 21 54 | 0 26 | 22 49 | 0 44 | 6 28 | 0 36 | 7 1 | 1 52 | 3 25 | 13 46 | 22 40 | 22 33 | 6 33 | 2 34 | 5 6 |
| T 11 | 23 28 | 23 17 | 3 57 | 23 6 | 0 15 | 23 2 | 0 1 | 23 56 | 1 8 | 21 56 | 0 26 | 22 49 | 0 44 | 6 28 | 0 36 | 7 0 | 1 52 | 3 25 | 13 47 | 22 40 | 22 33 | 6 36 | 2 34 | 5 6 |
| W12 | 23 30 | 24 59 | 3 6 | 23 28 | 0 25 | 23 10 | 0n 2 | 23 52 | 1 8 | 21 57 | 0 26 | 22 49 | 0 44 | 6 28 | 0 36 | 7 0 | 1 52 | 3 26 | 13 47 | 22 41 | 22 34 | 6 39 | 2 34 | 5 6 |
| T 13 | 23 31 | 25 23 | 2 4 | 23 49 | 0 35 | 23 18 | 0 4 | 23 48 | 1 8 | 21 59 | 0 26 | 22 49 | 0 44 | 6 28 | 0 36 | 7 0 | 1 51 | 3 26 | 13 47 | 22 41 | 22 34 | 6 42 | 2 34 | 5 6 |
| F 14 | 23 32 | 24 22 | 0 55 | 24 6 | 0 45 | 23 25 | 0 7 | 23 43 | 1 8 | 22 1 | 0 25 | 22 49 | 0 43 | 6 27 | 0 36 | 7 0 | 1 51 | 3 26 | 13 47 | 22 41 | 22 34 | 6 44 | 2 34 | 5 7 |
| S 15 | 23 33 | 21 56 | 0s19 | 24 22 | 0 54 | 23 32 | 0 9 | 23 39 | 1 8 | 22 3 | 0 25 | 22 49 | 0 43 | 6 27 | 0 35 | 7 0 | 1 51 | 3 26 | 13 47 | 22 41 | 22 35 | 6 47 | 2 33 | 5 7 |
| S 16 | 23 33 | 18 14 | 1 33 | 24 34 | 1 3 | 23 37 | 0 11 | 23 34 | 1 8 | 22 5 | 0 25 | 22 49 | 0 43 | 6 27 | 0 35 | 7 0 | 1 51 | 3 26 | 13 47 | 22 41 | 22 35 | 6 50 | 2 33 | 5 7 |
| M17 | 23 33 | 13 30 | 2 43 | 24 44 | 1 11 | 23 43 | 0 14 | 23 29 | 1 8 | 22 6 | 0 25 | 22 50 | 0 43 | 6 27 | 0 35 | 7 0 | 1 51 | 3 26 | 13 48 | 22 41 | 22 36 | 6 53 | 2 33 | 5 7 |
| T 18 | 23 32 | 8 0 | 3 43 | 24 51 | 1 18 | 23 47 | 0 16 | 23 24 | 1 9 | 22 8 | 0 25 | 22 50 | 0 43 | 6 27 | 0 35 | 7 0 | 1 51 | 3 26 | 13 48 | 22 41 | 22 36 | 6 56 | 2 33 | 5 7 |
| W19 | 23 31 | 2 4 | 4 31 | 24 55 | 1 25 | 23 51 | 0 18 | 23 19 | 1 9 | 22 10 | 0 25 | 22 50 | 0 43 | 6 27 | 0 35 | 7 0 | 1 51 | 3 26 | 13 48 | 22 41 | 22 36 | 6 59 | 2 33 | 5 8 |
| T 20 | 23 30 | 4s 0 | 5 3 | 24 56 | 1 30 | 23 54 | 0 21 | 23 13 | 1 9 | 22 11 | 0 25 | 22 50 | 0 43 | 6 27 | 0 35 | 7 0 | 1 51 | 3 26 | 13 48 | 22 40 | 22 37 | 7 1 | 2 33 | 5 8 |
| F 21 | 23 28 | 9 52 | 5 16 | 24 54 | 1 35 | 23 56 | 0 23 | 23 8 | 1 9 | 22 13 | 0 25 | 22 50 | 0 43 | 6 27 | 0 35 | 7 0 | 1 51 | 3 27 | 13 48 | 22 40 | 22 37 | 7 4 | 2 33 | 5 8 |
| S 22 | 23 26 | 15 14 | 5 10 | 24 50 | 1 40 | 23 58 | 0 25 | 23 2 | 1 9 | 22 15 | 0 25 | 22 50 | 0 43 | 6 27 | 0 35 | 6 59 | 1 51 | 3 27 | 13 48 | 22 41 | 22 37 | 7 7 | 2 33 | 5 8 |
| S 23 | 23 23 | 19 44 | 4 45 | 24 43 | 1 43 | 23 59 | 0 28 | 22 56 | 1 9 | 22 16 | 0 25 | 22 50 | 0 43 | 6 28 | 0 35 | 6 59 | 1 51 | 3 27 | 13 49 | 22 41 | 22 38 | 7 10 | 2 34 | 5 9 |
| M24 | 23 20 | 23 5 | 4 3 | 24 33 | 1 46 | 23 59 | 0 30 | 22 50 | 1 9 | 22 18 | 0 25 | 22 50 | 0 43 | 6 28 | 0 35 | 6 59 | 1 51 | 3 27 | 13 49 | 22 41 | 22 38 | 7 13 | 2 34 | 5 9 |
| T 25 | 23 16 | 25 0 | 3 6 | 24 21 | 1 48 | 23 58 | 0 32 | 22 43 | 1 9 | 22 19 | 0 25 | 22 51 | 0 42 | 6 28 | 0 35 | 6 59 | 1 51 | 3 27 | 13 49 | 22 41 | 22 39 | 7 15 | 2 34 | 5 9 |
| W26 | 23 13 | 25 22 | 2 0 | 24 7 | 1 50 | 23 57 | 0 34 | 22 37 | 1 9 | 22 21 | 0 25 | 22 51 | 0 42 | 6 28 | 0 35 | 7 0 | 1 51 | 3 27 | 13 49 | 22 41 | 22 39 | 7 18 | 2 34 | 5 9 |
| T 27 | 23 8 | 24 12 | 0 48 | 23 50 | 1 51 | 23 55 | 0 36 | 22 30 | 1 9 | 22 22 | 0 24 | 22 51 | 0 42 | 6 28 | 0 35 | 7 0 | 1 51 | 3 27 | 13 49 | 22 41 | 22 39 | 7 21 | 2 34 | 5 9 |
| F 28 | 23 4 | 21 42 | 0n25 | 23 31 | 1 51 | 23 52 | 0 38 | 22 24 | 1 9 | 22 24 | 0 24 | 22 51 | 0 42 | 6 28 | 0 35 | 7 0 | 1 51 | 3 27 | 13 50 | 22 41 | 22 40 | 7 24 | 2 34 | 5 10 |
| S 29 | 22 58 | 18 7 | 1 35 | 23 11 | 1 50 | 23 49 | 0 41 | 22 17 | 1 9 | 22 25 | 0 24 | 22 51 | 0 42 | 6 28 | 0 35 | 7 0 | 1 51 | 3 27 | 13 50 | 22 41 | 22 40 | 7 27 | 2 34 | 5 10 |
| S 30 | 22n53 | 13s47 | 2n39 | 22n48 | 1n49 | 23n45 | 0n43 | 22n 9 | 1n 9 | 22n27 | 0s24 | 22s51 | 0n42 | 6s29 | 0n35 | 7s 0 | 1n51 | 3n27 | 13s50 | 22s41 | 22s40 | 7n29 | 2s35 | 5n10 |

Julian Day Number = 2135767.5, Delta T = 15m57s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'11, Lahiri = 11°48'11 Julian Calendar 1 June 1135 == Greg. Calendar 8 June 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## JULY 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 59 14 | 14♋15'40 | 27♒43 | 28♋ 0 | 12♋53 | 26♋45 | 16♊34 | 0°R12 | 17♎48 | 22♎15 | 16♉ 4 | 15♑12 | 15♑13 | 7♈11 | 11°R17 | M 1 |
| T 2 | 19 3 11 | 15°12'54 | 9♓54 | 29°52 | 14° 7 | 27°24 | 16°46 | 0♑ 8 | 17°49 | 22°15 | 16° 5 | 15°R12 | 15°10 | 7°18 | 11♓16 | T 2 |
| W 3 | 19 7 7 | 16°10'09 | 21°56 | 1♌41 | 15°21 | 28° 2 | 16°59 | 0° 4 | 17°50 | 22°16 | 16° 6 | 15°12 | 15° 7 | 7°24 | 11°15 | W 3 |
| T 4 | 19 11 4 | 17° 7'24 | 3♈51 | 3°29 | 16°34 | 28°40 | 17°12 | 29♐59 | 17°50 | 22°16 | 16° 6 | 15°12 | 15° 4 | 7°31 | 11°13 | T 4 |
| F 5 | 19 15 0 | 18° 4'40 | 15°45 | 5°15 | 17°48 | 29°18 | 17°25 | 29°56 | 17°51 | 22°16 | 16° 7 | 15°D12 | 15° 1 | 7°38 | 11°12 | F 5 |
| S 6 | 19 18 57 | 19° 1'58 | 27°40 | 6°59 | 19° 2 | 29°56 | 17°38 | 29°51 | 17°52 | 22°16 | 16° 8 | 15°12 | 14°57 | 7°44 | 11°11 | S 6 |
| S 7 | 19 22 53 | 19°59'16 | 9♉43 | 8°41 | 20°16 | 0♌34 | 17°50 | 29°47 | 17°53 | 22°16 | 16° 9 | 15°12 | 14°54 | 7°51 | 11° 9 | S 7 |
| M 8 | 19 26 50 | 20°56'35 | 21°58 | 10°22 | 21°30 | 1°12 | 18° 3 | 29°43 | 17°54 | 22°17 | 16° 9 | 15°12 | 14°51 | 7°58 | 11° 8 | M 8 |
| T 9 | 19 30 47 | 21°53'56 | 4♊28 | 12° 1 | 22°44 | 1°50 | 18°16 | 29°39 | 17°55 | 22°17 | 16°10 | 15°13 | 14°48 | 8° 5 | 11° 6 | T 9 |
| W10 | 19 34 43 | 22°51'17 | 17°15 | 13°38 | 23°58 | 2°28 | 18°28 | 29°36 | 17°56 | 22°17 | 16°11 | 15°14 | 14°45 | 8°11 | 11° 4 | W10 |
| T 11 | 19 38 40 | 23°48'39 | 0♋24 | 15°13 | 25°12 | 3° 7 | 18°41 | 29°32 | 17°57 | 22°18 | 16°11 | 15°14 | 14°42 | 8°18 | 11° 3 | T 11 |
| F 12 | 19 42 36 | 24°46'03 | 13°52 | 16°47 | 26°26 | 3°45 | 18°53 | 29°28 | 17°58 | 22°18 | 16°12 | 15°R15 | 14°38 | 8°25 | 11° 1 | F 12 |
| S 13 | 19 46 33 | 25°43'27 | 27°41 | 18°19 | 27°40 | 4°23 | 19° 5 | 29°24 | 17°59 | 22°19 | 16°12 | 15°14 | 14°35 | 8°32 | 10°59 | S 13 |
| S 14 | 19 50 29 | 26°40'52 | 11♌46 | 19°49 | 28°54 | 5° 1 | 19°18 | 29°21 | 18° 0 | 22°19 | 16°13 | 15°14 | 14°32 | 8°38 | 10°57 | S 14 |
| M15 | 19 54 26 | 27°38'18 | 26° 4 | 21°17 | 0♍ 8 | 5°39 | 19°30 | 29°17 | 18° 2 | 22°20 | 16°13 | 15°12 | 14°29 | 8°45 | 10°56 | M15 |
| T 16 | 19 58 23 | 28°35'45 | 10♍30 | 22°44 | 1°22 | 6°17 | 19°42 | 29°13 | 18° 3 | 22°20 | 16°14 | 15°11 | 14°26 | 8°52 | 10°54 | T 16 |
| W17 | 20 2 19 | 29°33'13 | 24°59 | 24° 9 | 2°36 | 6°55 | 19°54 | 29°10 | 18° 4 | 22°21 | 16°15 | 15° 9 | 14°22 | 8°58 | 10°52 | W17 |
| T 18 | 20 6 16 | 0♌30'41 | 9♎25 | 25°31 | 3°51 | 7°33 | 20° 6 | 29° 6 | 18° 6 | 22°22 | 16°15 | 15° 8 | 14°19 | 9° 5 | 10°50 | T 18 |
| F 19 | 20 10 12 | 1°28'10 | 23°44 | 26°52 | 5° 5 | 8°12 | 20°18 | 29° 3 | 18° 7 | 22°22 | 16°15 | 15° 7 | 14°16 | 9°12 | 10°48 | F 19 |
| S 20 | 20 14 9 | 2°25'40 | 7♏53 | 28°12 | 6°19 | 8°50 | 20°30 | 29° 0 | 18° 9 | 22°23 | 16°16 | 15°D 7 | 14°13 | 9°19 | 10°46 | S 20 |
| S 21 | 20 18 5 | 3°23'11 | 21°51 | 29°29 | 7°33 | 9°28 | 20°42 | 28°56 | 18°10 | 22°24 | 16°16 | 15° 8 | 14°10 | 9°25 | 10°44 | S 21 |
| M22 | 20 22 2 | 4°20'42 | 5♐37 | 0♍44 | 8°47 | 10° 6 | 20°54 | 28°53 | 18°12 | 22°24 | 16°17 | 15° 9 | 14° 7 | 9°32 | 10°42 | M22 |
| T 23 | 20 25 58 | 5°18'15 | 19° 9 | 1°57 | 10° 1 | 10°44 | 21° 5 | 28°50 | 18°13 | 22°25 | 16°17 | 15°10 | 14° 3 | 9°39 | 10°40 | T 23 |
| W24 | 20 29 55 | 6°15'49 | 2♑29 | 3° 8 | 11°15 | 11°22 | 21°17 | 28°47 | 18°15 | 22°26 | 16°18 | 15°11 | 14° 0 | 9°46 | 10°37 | W24 |
| T 25 | 20 33 52 | 7°13'23 | 15°35 | 4°16 | 12°29 | 12° 0 | 21°28 | 28°44 | 18°17 | 22°27 | 16°18 | 15°R12 | 13°57 | 9°52 | 10°35 | T 25 |
| F 26 | 20 37 48 | 8°10'59 | 28°28 | 5°23 | 13°44 | 12°38 | 21°40 | 28°41 | 18°19 | 22°28 | 16°18 | 15°11 | 13°54 | 9°59 | 10°33 | F 26 |
| S 27 | 20 41 45 | 9° 8'36 | 11♒ 9 | 6°26 | 14°58 | 13°17 | 21°51 | 28°38 | 18°21 | 22°29 | 16°19 | 15° 9 | 13°51 | 10° 6 | 10°31 | S 27 |
| S 28 | 20 45 41 | 10° 6'14 | 23°37 | 7°28 | 16°12 | 13°55 | 22° 2 | 28°35 | 18°22 | 22°29 | 16°19 | 15° 7 | 13°48 | 10°12 | 10°28 | S 28 |
| M29 | 20 49 38 | 11° 3'54 | 5♓54 | 8°26 | 17°26 | 14°33 | 22°14 | 28°33 | 18°24 | 22°30 | 16°19 | 15° 3 | 13°44 | 10°19 | 10°26 | M29 |
| T 30 | 20 53 34 | 12° 1'35 | 18° 1 | 9°22 | 18°40 | 15°11 | 22°25 | 28°30 | 18°26 | 22°31 | 16°19 | 14°58 | 13°41 | 10°26 | 10°23 | T 30 |
| W31 | 20 57 31 | 12♌59'18 | 0♈ 1 | 10♍15 | 19♌55 | 15♌49 | 22♊36 | 28♐28 | 18♎28 | 22♎32 | 16♉20 | 14♑54 | 13♑38 | 10♈33 | 10♓21 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n47 | 8s58 | 3n34 | 22n24 | 1n47 | 23n40 | 0n45 | 22n 2 | 1n 9 | 22n28 | 0s24 | 22s51 | 0n42 | 6s29 | 0n35 | 7s 0 | 1n50 | 3n27 | 13s50 | 22s41 | 22s41 | 7n32 | 2s35 | 5n10 |
| T 2 | 22 41 | 3 54 | 4 19 | 21 59 | 1 45 | 23 34 | 0 47 | 21 55 | 1 9 | 22 29 | 0 24 | 22 51 | 0 42 | 6 29 | 0 35 | 7 0 | 1 50 | 3 27 | 13 50 | 22 41 | 22 41 | 7 35 | 2 35 | 5 11 |
| W 3 | 22 34 | 1n14 | 4 51 | 21 32 | 1 42 | 23 28 | 0 49 | 21 47 | 1 9 | 22 31 | 0 24 | 22 51 | 0 42 | 6 29 | 0 35 | 7 0 | 1 50 | 3 27 | 13 51 | 22 41 | 22 41 | 7 38 | 2 35 | 5 11 |
| T 4 | 22 27 | 6 17 | 5 11 | 21 4 | 1 38 | 23 21 | 0 51 | 21 39 | 1 9 | 22 32 | 0 24 | 22 52 | 0 42 | 6 30 | 0 35 | 7 0 | 1 50 | 3 27 | 13 51 | 22 41 | 22 42 | 7 41 | 2 36 | 5 11 |
| F 5 | 22 19 | 11 5 | 5 17 | 20 34 | 1 34 | 23 14 | 0 52 | 21 31 | 1 9 | 22 33 | 0 24 | 22 52 | 0 41 | 6 30 | 0 35 | 7 0 | 1 50 | 3 27 | 13 51 | 22 41 | 22 42 | 7 43 | 2 36 | 5 11 |
| S 6 | 22 12 | 15 30 | 5 9 | 20 4 | 1 30 | 23 5 | 0 54 | 21 23 | 1 9 | 22 35 | 0 24 | 22 52 | 0 41 | 6 30 | 0 35 | 7 0 | 1 50 | 3 27 | 13 51 | 22 41 | 22 43 | 7 46 | 2 36 | 5 11 |
| S 7 | 22 3 | 19 21 | 4 48 | 19 32 | 1 25 | 22 56 | 0 56 | 21 15 | 1 9 | 22 36 | 0 24 | 22 52 | 0 41 | 6 31 | 0 35 | 7 1 | 1 50 | 3 27 | 13 52 | 22 41 | 22 43 | 7 49 | 2 37 | 5 11 |
| M 8 | 21 55 | 22 26 | 4 14 | 19 0 | 1 19 | 22 47 | 0 58 | 21 7 | 1 9 | 22 37 | 0 24 | 22 52 | 0 41 | 6 31 | 0 35 | 7 1 | 1 50 | 3 27 | 13 52 | 22 41 | 22 43 | 7 52 | 2 37 | 5 12 |
| T 9 | 21 46 | 24 31 | 3 27 | 18 27 | 1 13 | 22 36 | 1 0 | 20 58 | 1 9 | 22 38 | 0 24 | 22 52 | 0 41 | 6 32 | 0 35 | 7 1 | 1 50 | 3 27 | 13 52 | 22 41 | 22 44 | 7 54 | 2 38 | 5 12 |
| W10 | 21 36 | 25 24 | 2 29 | 17 53 | 1 7 | 22 25 | 1 1 | 20 50 | 1 9 | 22 39 | 0 24 | 22 52 | 0 41 | 6 32 | 0 35 | 7 1 | 1 50 | 3 27 | 13 52 | 22 41 | 22 44 | 7 57 | 2 38 | 5 12 |
| T 11 | 21 27 | 24 54 | 1 21 | 17 19 | 1 1 | 22 13 | 1 3 | 20 41 | 1 9 | 22 41 | 0 24 | 22 52 | 0 41 | 6 32 | 0 35 | 7 1 | 1 50 | 3 27 | 13 52 | 22 41 | 22 44 | 8 0 | 2 39 | 5 12 |
| F 12 | 21 16 | 22 57 | 0 8 | 16 44 | 0 53 | 22 1 | 1 4 | 20 32 | 1 9 | 22 42 | 0 23 | 22 52 | 0 41 | 6 33 | 0 34 | 7 2 | 1 50 | 3 27 | 13 53 | 22 41 | 22 45 | 8 3 | 2 39 | 5 12 |
| S 13 | 21 6 | 19 36 | 1s 8 | 16 9 | 0 46 | 21 48 | 1 6 | 20 23 | 1 9 | 22 43 | 0 23 | 22 52 | 0 41 | 6 33 | 0 34 | 7 2 | 1 50 | 3 27 | 13 53 | 22 41 | 22 45 | 8 6 | 2 40 | 5 13 |
| S 14 | 20 55 | 15 4 | 2 21 | 15 33 | 0 38 | 21 35 | 1 7 | 20 14 | 1 9 | 22 44 | 0 23 | 22 53 | 0 40 | 6 34 | 0 34 | 7 2 | 1 50 | 3 27 | 13 53 | 22 41 | 22 45 | 8 8 | 2 40 | 5 13 |
| M15 | 20 44 | 9 38 | 3 27 | 14 57 | 0 30 | 21 20 | 1 9 | 20 4 | 1 9 | 22 45 | 0 23 | 22 53 | 0 40 | 6 34 | 0 34 | 7 2 | 1 50 | 3 26 | 13 53 | 22 41 | 22 46 | 8 11 | 2 41 | 5 13 |
| T 16 | 20 32 | 3 39 | 4 20 | 14 21 | 0 22 | 21 5 | 1 10 | 19 55 | 1 9 | 22 46 | 0 23 | 22 53 | 0 40 | 6 35 | 0 34 | 7 2 | 1 50 | 3 26 | 13 54 | 22 41 | 22 46 | 8 14 | 2 41 | 5 13 |
| W17 | 20 20 | 2s32 | 4 56 | 13 45 | 0 14 | 20 50 | 1 12 | 19 45 | 1 9 | 22 47 | 0 23 | 22 53 | 0 40 | 6 36 | 0 34 | 7 3 | 1 49 | 3 26 | 13 54 | 22 41 | 22 46 | 8 17 | 2 42 | 5 13 |
| T 18 | 20 8 | 8 33 | 5 14 | 13 9 | 0 5 | 20 34 | 1 13 | 19 35 | 1 9 | 22 48 | 0 23 | 22 53 | 0 40 | 6 36 | 0 34 | 7 3 | 1 49 | 3 26 | 13 54 | 22 41 | 22 47 | 8 19 | 2 42 | 5 13 |
| F 19 | 19 56 | 14 5 | 5 12 | 12 33 | 0s 4 | 20 17 | 1 14 | 19 25 | 1 9 | 22 49 | 0 23 | 22 53 | 0 40 | 6 37 | 0 34 | 7 3 | 1 49 | 3 26 | 13 54 | 22 41 | 22 47 | 8 22 | 2 43 | 5 14 |
| S 20 | 19 43 | 18 47 | 4 51 | 11 57 | 0 14 | 20 0 | 1 15 | 19 15 | 1 9 | 22 50 | 0 23 | 22 53 | 0 40 | 6 37 | 0 34 | 7 4 | 1 49 | 3 26 | 13 55 | 22 41 | 22 47 | 8 25 | 2 44 | 5 14 |
| S 21 | 19 29 | 22 23 | 4 13 | 11 21 | 0 23 | 19 42 | 1 16 | 19 5 | 1 9 | 22 51 | 0 23 | 22 53 | 0 40 | 6 38 | 0 34 | 7 4 | 1 49 | 3 26 | 13 55 | 22 41 | 22 48 | 8 27 | 2 44 | 5 14 |
| M22 | 19 16 | 24 38 | 3 21 | 10 45 | 0 33 | 19 24 | 1 17 | 18 55 | 1 9 | 22 51 | 0 23 | 22 53 | 0 39 | 6 39 | 0 34 | 7 4 | 1 49 | 3 26 | 13 55 | 22 41 | 22 48 | 8 30 | 2 45 | 5 14 |
| T 23 | 19 2 | 25 24 | 2 19 | 10 10 | 0 43 | 19 5 | 1 18 | 18 44 | 1 9 | 22 52 | 0 23 | 22 53 | 0 39 | 6 39 | 0 34 | 7 5 | 1 49 | 3 26 | 13 55 | 22 41 | 22 48 | 8 33 | 2 46 | 5 14 |
| W24 | 18 48 | 24 41 | 1 9 | 9 35 | 0 53 | 18 45 | 1 19 | 18 34 | 1 9 | 22 53 | 0 23 | 22 54 | 0 39 | 6 40 | 0 34 | 7 5 | 1 49 | 3 25 | 13 56 | 22 41 | 22 49 | 8 36 | 2 46 | 5 14 |
| T 25 | 18 33 | 22 36 | 0n 2 | 9 1 | 1 3 | 18 25 | 1 20 | 18 23 | 1 9 | 22 54 | 0 23 | 22 54 | 0 39 | 6 41 | 0 34 | 7 5 | 1 49 | 3 25 | 13 56 | 22 41 | 22 49 | 8 38 | 2 47 | 5 14 |
| F 26 | 18 18 | 19 23 | 1 12 | 8 27 | 1 14 | 18 5 | 1 21 | 18 12 | 1 9 | 22 55 | 0 23 | 22 54 | 0 39 | 6 41 | 0 34 | 7 6 | 1 49 | 3 25 | 13 56 | 22 41 | 22 49 | 8 41 | 2 48 | 5 14 |
| S 27 | 18 3 | 15 18 | 2 18 | 7 53 | 1 24 | 17 44 | 1 22 | 18 1 | 1 9 | 22 55 | 0 23 | 22 54 | 0 39 | 6 42 | 0 34 | 7 6 | 1 49 | 3 25 | 13 56 | 22 41 | 22 50 | 8 44 | 2 49 | 5 15 |
| S 28 | 17 48 | 10 38 | 3 15 | 7 21 | 1 34 | 17 22 | 1 22 | 17 50 | 1 9 | 22 56 | 0 23 | 22 54 | 0 39 | 6 43 | 0 34 | 7 7 | 1 49 | 3 25 | 13 57 | 22 41 | 22 50 | 8 47 | 2 49 | 5 15 |
| M29 | 17 32 | 5 37 | 4 3 | 6 49 | 1 45 | 17 0 | 1 23 | 17 39 | 1 9 | 22 57 | 0 22 | 22 54 | 0 39 | 6 44 | 0 34 | 7 7 | 1 49 | 3 25 | 13 57 | 22 42 | 22 50 | 8 49 | 2 50 | 5 15 |
| T 30 | 17 16 | 0 29 | 4 39 | 6 18 | 1 56 | 16 37 | 1 24 | 17 28 | 1 9 | 22 58 | 0 22 | 22 54 | 0 38 | 6 44 | 0 34 | 7 7 | 1 49 | 3 24 | 13 57 | 22 42 | 22 51 | 8 52 | 2 51 | 5 15 |
| W31 | 17n 0 | 4n37 | 5n 2 | 5n48 | 2s 6 | 16n15 | 1n24 | 17n16 | 1n 9 | 22n58 | 0s22 | 22s54 | 0n38 | 6s45 | 0n34 | 7s 8 | 1n49 | 3n24 | 13s57 | 22s43 | 22s51 | 8n55 | 2s52 | 5n15 |

Julian Day Number = 2135797.5, Delta T = 15m57s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'15, Lahiri = 11°48'16 Julian Calendar 1 July 1135 == Greg. Calendar 8 July 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## AUGUST 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 1 27 | 13♌57'02 | 11♈55 | 11♍ 5 | 21♌ 9 | 16♌27 | 22♊47 | 28°R25 | 18♎30 | 22♎34 | 16♉20 | 14°R50 | 13♑35 | 10♈39 | 10°R19 | T 1 |
| F 2 | 21 5 24 | 14°54'48 | 23°47 | 11°52 | 22°23 | 17° 5 | 22°57 | 28♐23 | 18°33 | 22°35 | 16°20 | 14♑46 | 13°32 | 10°46 | 10♓16 | F 2 |
| S 3 | 21 9 21 | 15°52'36 | 5♉41 | 12°35 | 23°37 | 17°44 | 23° 8 | 28°21 | 18°35 | 22°36 | 16°20 | 14°45 | 13°28 | 10°53 | 10°14 | S 3 |
| S 4 | 21 13 17 | 16°50'25 | 17°42 | 13°15 | 24°52 | 18°22 | 23°19 | 28°18 | 18°37 | 22°37 | 16°20 | 14°D44 | 13°25 | 10°59 | 10°11 | S 4 |
| M 5 | 21 17 14 | 17°48'16 | 29°55 | 13°50 | 26° 6 | 19° 0 | 23°29 | 28°16 | 18°39 | 22°38 | 16°20 | 14°45 | 13°22 | 11° 6 | 10° 9 | M 5 |
| T 6 | 21 21 10 | 18°46'10 | 12♊23 | 14°22 | 27°20 | 19°38 | 23°40 | 28°14 | 18°41 | 22°39 | 16°21 | 14°46 | 13°19 | 11°13 | 10° 6 | T 6 |
| W 7 | 21 25 7 | 19°44'04 | 25°12 | 14°49 | 28°34 | 20°16 | 23°50 | 28°12 | 18°44 | 22°40 | 16°21 | 14°48 | 13°16 | 11°20 | 10° 3 | W 7 |
| T 8 | 21 29 3 | 20°42'01 | 8♋24 | 15°12 | 29°49 | 20°55 | 24° 0 | 28°10 | 18°46 | 22°42 | 16°21 | 14°R49 | 13°13 | 11°26 | 10° 1 | T 8 |
| F 9 | 21 33 0 | 21°40'00 | 22° 2 | 15°30 | 1♍ 3 | 21°33 | 24°11 | 28° 9 | 18°49 | 22°43 | 16°21 | 14°49 | 13° 9 | 11°33 | 9°58 | F 9 |
| S 10 | 21 36 56 | 22°38'00 | 6♌ 5 | 15°42 | 2°17 | 22°11 | 24°21 | 28° 7 | 18°51 | 22°44 | 16°R21 | 14°47 | 13° 6 | 11°40 | 9°55 | S 10 |
| S 11 | 21 40 53 | 23°36'02 | 20°31 | 15°49 | 3°32 | 22°49 | 24°31 | 28° 5 | 18°53 | 22°46 | 16°21 | 14°44 | 13° 3 | 11°47 | 9°53 | S 11 |
| M12 | 21 44 50 | 24°34'06 | 5♍14 | 15°R51 | 4°46 | 23°28 | 24°41 | 28° 4 | 18°56 | 22°47 | 16°21 | 14°39 | 13° 0 | 11°53 | 9°50 | M12 |
| T 13 | 21 48 46 | 25°32'11 | 20° 7 | 15°47 | 6° 0 | 24° 6 | 24°50 | 28° 3 | 18°59 | 22°48 | 16°21 | 14°33 | 12°57 | 12° 0 | 9°47 | T 13 |
| W14 | 21 52 43 | 26°30'18 | 5♎ 1 | 15°36 | 7°15 | 24°44 | 25° 0 | 28° 1 | 19° 1 | 22°50 | 16°21 | 14°26 | 12°53 | 12° 7 | 9°45 | W14 |
| T 15 | 21 56 39 | 27°28'26 | 19°48 | 15°19 | 8°29 | 25°22 | 25° 9 | 28° 0 | 19° 4 | 22°51 | 16°20 | 14°21 | 12°50 | 12°13 | 9°42 | T 15 |
| F 16 | 22 0 36 | 28°26'36 | 4♏21 | 14°56 | 9°43 | 26° 1 | 25°19 | 27°59 | 19° 7 | 22°53 | 16°20 | 14°17 | 12°47 | 12°20 | 9°39 | F 16 |
| S 17 | 22 4 32 | 29°24'47 | 18°36 | 14°27 | 10°58 | 26°39 | 25°28 | 27°58 | 19° 9 | 22°54 | 16°20 | 14°15 | 12°44 | 12°27 | 9°36 | S 17 |
| S 18 | 22 8 29 | 0♏23'00 | 2♐31 | 13°51 | 12°12 | 27°17 | 25°37 | 27°57 | 19°12 | 22°56 | 16°20 | 14°D14 | 12°41 | 12°34 | 9°33 | S 18 |
| M19 | 22 12 25 | 1°21'15 | 16° 6 | 13°10 | 13°26 | 27°55 | 25°46 | 27°56 | 19°15 | 22°57 | 16°20 | 14°15 | 12°38 | 12°40 | 9°31 | M19 |
| T 20 | 22 16 22 | 2°19'31 | 29°23 | 12°23 | 14°41 | 28°34 | 25°55 | 27°55 | 19°18 | 22°59 | 16°20 | 14°16 | 12°34 | 12°47 | 9°28 | T 20 |
| W21 | 22 20 19 | 3°17'48 | 12♑23 | 11°31 | 15°55 | 29°12 | 26° 4 | 27°55 | 19°20 | 23° 0 | 16°20 | 14°R17 | 12°31 | 12°54 | 9°25 | W21 |
| T 22 | 22 24 15 | 4°16'07 | 25° 9 | 10°36 | 17°10 | 29°50 | 26°13 | 27°54 | 19°23 | 23° 2 | 16°19 | 14°16 | 12°28 | 13° 1 | 9°22 | T 22 |
| F 23 | 22 28 12 | 5°14'28 | 7♒43 | 9°37 | 18°24 | 0♏29 | 26°21 | 27°54 | 19°26 | 23° 3 | 16°19 | 14°14 | 12°25 | 13° 7 | 9°19 | F 23 |
| S 24 | 22 32 8 | 6°12'50 | 20° 7 | 8°36 | 19°38 | 1° 7 | 26°30 | 27°53 | 19°29 | 23° 5 | 16°19 | 14° 9 | 12°22 | 13°14 | 9°17 | S 24 |
| S 25 | 22 36 5 | 7°11'15 | 2♓22 | 7°34 | 20°53 | 1°45 | 26°38 | 27°53 | 19°32 | 23° 7 | 16°18 | 14° 1 | 12°19 | 13°21 | 9°14 | S 25 |
| M26 | 22 40 1 | 8° 9'41 | 14°30 | 6°33 | 22° 7 | 2°24 | 26°46 | 27°53 | 19°35 | 23° 9 | 16°18 | 13°52 | 12°15 | 13°27 | 9°11 | M26 |
| T 27 | 22 43 58 | 9° 8'09 | 26°31 | 5°35 | 23°21 | 3° 2 | 26°54 | 27°D53 | 19°38 | 23°10 | 16°18 | 13°42 | 12°12 | 13°34 | 9° 8 | T 27 |
| W28 | 22 47 54 | 10° 6'39 | 8♈26 | 4°40 | 24°36 | 3°41 | 27° 2 | 27°53 | 19°41 | 23°12 | 16°17 | 13°31 | 12° 9 | 13°41 | 9° 5 | W28 |
| T 29 | 22 51 51 | 11° 5'11 | 20°19 | 3°50 | 25°50 | 4°19 | 27°10 | 27°53 | 19°45 | 23°14 | 16°17 | 13°21 | 12° 6 | 13°48 | 9° 2 | T 29 |
| F 30 | 22 55 47 | 12° 3'45 | 2♉10 | 3° 6 | 27° 5 | 4°57 | 27°18 | 27°53 | 19°48 | 23°15 | 16°17 | 13°12 | 12° 3 | 13°54 | 9° 0 | F 30 |
| S 31 | 22 59 44 | 13♍ 2'22 | 14♉ 3 | 2♍30 | 28♍19 | 5♍36 | 27♊25 | 27♐54 | 19♎51 | 23♎17 | 16♉16 | 13♑ 6 | 11♑59 | 14♈ 1 | 8♓57 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n43 | 9n31 | 5n12 | 5n20 | 2s17 | 15n51 | 1n25 | 17n 5 | 1n 9 | 22n59 | 0s22 | 22s54 | 0n38 | 6s46 | 0n34 | 7s 8 | 1n49 | 3n24 | 13s58 | 22s43 | 22s51 | 8n57 | 2s53 | 5n15 |
| F 2 | 16 26 | 14 3 | 5 9 | 4 52 | 2 28 | 15 27 | 1 25 | 16 53 | 1 9 | 23 0 | 0 22 | 22 54 | 0 38 | 6 47 | 0 34 | 7 9 | 1 49 | 3 24 | 13 58 | 22 44 | 22 52 | 9 0 | 2 53 | 5 15 |
| S 3 | 16 9 | 18 4 | 4 52 | 4 26 | 2 38 | 15 3 | 1 25 | 16 41 | 1 9 | 23 0 | 0 22 | 22 55 | 0 38 | 6 48 | 0 34 | 7 9 | 1 49 | 3 24 | 13 58 | 22 44 | 22 52 | 9 3 | 2 54 | 5 15 |
| S 4 | 15 52 | 21 23 | 4 22 | 4 1 | 2 48 | 14 38 | 1 26 | 16 29 | 1 9 | 23 1 | 0 22 | 22 55 | 0 38 | 6 49 | 0 34 | 7 10 | 1 48 | 3 23 | 13 59 | 22 44 | 22 52 | 9 6 | 2 55 | 5 15 |
| M 5 | 15 34 | 23 49 | 3 41 | 3 38 | 2 59 | 14 13 | 1 26 | 16 17 | 1 9 | 23 1 | 0 22 | 22 55 | 0 38 | 6 49 | 0 34 | 7 10 | 1 48 | 3 23 | 13 59 | 22 44 | 22 53 | 9 8 | 2 56 | 5 15 |
| T 6 | 15 16 | 25 9 | 2 48 | 3 17 | 3 9 | 13 48 | 1 26 | 16 5 | 1 9 | 23 2 | 0 22 | 22 55 | 0 38 | 6 50 | 0 34 | 7 11 | 1 48 | 3 23 | 13 59 | 22 44 | 22 53 | 9 11 | 2 57 | 5 15 |
| W 7 | 14 58 | 25 13 | 1 45 | 2 57 | 3 18 | 13 22 | 1 26 | 15 53 | 1 9 | 23 3 | 0 22 | 22 55 | 0 37 | 6 51 | 0 34 | 7 11 | 1 48 | 3 23 | 13 59 | 22 44 | 22 53 | 9 14 | 2 58 | 5 15 |
| T 8 | 14 40 | 23 52 | 0 35 | 2 40 | 3 28 | 12 56 | 1 26 | 15 41 | 1 9 | 23 3 | 0 22 | 22 55 | 0 37 | 6 52 | 0 34 | 7 12 | 1 48 | 3 22 | 14 0 | 22 43 | 22 54 | 9 16 | 2 59 | 5 16 |
| F 9 | 14 21 | 21 6 | 0s39 | 2 25 | 3 37 | 12 29 | 1 26 | 15 28 | 1 9 | 23 4 | 0 22 | 22 55 | 0 37 | 6 53 | 0 34 | 7 12 | 1 48 | 3 22 | 14 0 | 22 43 | 22 54 | 9 19 | 3 0 | 5 16 |
| S 10 | 14 2 | 17 1 | 1 53 | 2 12 | 3 45 | 12 2 | 1 26 | 15 16 | 1 8 | 23 4 | 0 22 | 22 55 | 0 37 | 6 54 | 0 33 | 7 13 | 1 48 | 3 22 | 14 0 | 22 44 | 22 54 | 9 22 | 3 1 | 5 16 |
| S 11 | 13 43 | 11 51 | 3 2 | 2 2 | 3 53 | 11 35 | 1 25 | 15 3 | 1 8 | 23 5 | 0 22 | 22 55 | 0 37 | 6 55 | 0 33 | 7 13 | 1 48 | 3 22 | 14 0 | 22 44 | 22 55 | 9 24 | 3 2 | 5 16 |
| M12 | 13 24 | 5 55 | 3 59 | 1 55 | 4 0 | 11 8 | 1 25 | 14 50 | 1 8 | 23 5 | 0 22 | 22 56 | 0 37 | 6 56 | 0 33 | 7 14 | 1 48 | 3 21 | 14 1 | 22 45 | 22 55 | 9 27 | 3 3 | 5 16 |
| T 13 | 13 4 | 0s23 | 4 41 | 1 51 | 4 6 | 10 40 | 1 25 | 14 37 | 1 8 | 23 5 | 0 22 | 22 56 | 0 37 | 6 57 | 0 33 | 7 14 | 1 48 | 3 21 | 14 1 | 22 45 | 22 55 | 9 30 | 3 4 | 5 16 |
| W14 | 12 44 | 6 40 | 5 5 | 1 50 | 4 12 | 10 12 | 1 24 | 14 24 | 1 8 | 23 6 | 0 22 | 22 56 | 0 36 | 6 58 | 0 33 | 7 15 | 1 48 | 3 21 | 14 1 | 22 46 | 22 55 | 9 32 | 3 5 | 5 16 |
| T 15 | 12 24 | 12 31 | 5 7 | 1 53 | 4 16 | 9 43 | 1 24 | 14 11 | 1 8 | 23 6 | 0 22 | 22 56 | 0 36 | 6 59 | 0 33 | 7 15 | 1 48 | 3 21 | 14 1 | 22 47 | 22 56 | 9 35 | 3 6 | 5 16 |
| F 16 | 12 4 | 17 35 | 4 50 | 1 59 | 4 19 | 9 15 | 1 23 | 13 58 | 1 8 | 23 7 | 0 21 | 22 56 | 0 36 | 7 0 | 0 33 | 7 16 | 1 48 | 3 20 | 14 2 | 22 47 | 22 56 | 9 38 | 3 7 | 5 16 |
| S 17 | 11 44 | 21 32 | 4 15 | 2 8 | 4 21 | 8 46 | 1 23 | 13 45 | 1 8 | 23 7 | 0 21 | 22 56 | 0 36 | 7 1 | 0 33 | 7 17 | 1 48 | 3 20 | 14 2 | 22 47 | 22 56 | 9 40 | 3 8 | 5 16 |
| S 18 | 11 23 | 24 8 | 3 26 | 2 22 | 4 21 | 8 17 | 1 22 | 13 32 | 1 8 | 23 7 | 0 21 | 22 56 | 0 36 | 7 2 | 0 33 | 7 17 | 1 48 | 3 20 | 14 2 | 22 47 | 22 57 | 9 43 | 3 9 | 5 16 |
| M19 | 11 3 | 25 15 | 2 26 | 2 39 | 4 19 | 7 47 | 1 21 | 13 18 | 1 8 | 23 8 | 0 21 | 22 56 | 0 36 | 7 3 | 0 33 | 7 18 | 1 48 | 3 20 | 14 2 | 22 47 | 22 57 | 9 46 | 3 10 | 5 16 |
| T 20 | 10 42 | 24 53 | 1 20 | 3 0 | 4 16 | 7 18 | 1 21 | 13 5 | 1 8 | 23 8 | 0 21 | 22 57 | 0 36 | 7 5 | 0 33 | 7 18 | 1 48 | 3 19 | 14 3 | 22 47 | 22 57 | 9 48 | 3 11 | 5 16 |
| W21 | 10 21 | 23 9 | 0 10 | 3 24 | 4 11 | 6 48 | 1 20 | 12 51 | 1 7 | 23 8 | 0 21 | 22 57 | 0 35 | 7 6 | 0 33 | 7 19 | 1 48 | 3 19 | 14 3 | 22 47 | 22 58 | 9 51 | 3 12 | 5 16 |
| T 22 | 9 59 | 20 15 | 0n58 | 3 52 | 4 4 | 6 18 | 1 19 | 12 38 | 1 7 | 23 9 | 0 21 | 22 57 | 0 35 | 7 7 | 0 33 | 7 20 | 1 48 | 3 19 | 14 3 | 22 47 | 22 58 | 9 54 | 3 13 | 5 16 |
| F 23 | 9 38 | 16 27 | 2 3 | 4 22 | 3 55 | 5 48 | 1 18 | 12 24 | 1 7 | 23 9 | 0 21 | 22 57 | 0 35 | 7 8 | 0 33 | 7 20 | 1 48 | 3 18 | 14 3 | 22 47 | 22 58 | 9 56 | 3 14 | 5 16 |
| S 24 | 9 16 | 12 0 | 3 0 | 4 55 | 3 44 | 5 18 | 1 17 | 12 10 | 1 7 | 23 9 | 0 21 | 22 57 | 0 35 | 7 9 | 0 33 | 7 21 | 1 48 | 3 18 | 14 4 | 22 48 | 22 58 | 9 59 | 3 15 | 5 16 |
| S 25 | 8 55 | 7 8 | 3 48 | 5 30 | 3 31 | 4 47 | 1 16 | 11 56 | 1 7 | 23 10 | 0 21 | 22 57 | 0 35 | 7 10 | 0 33 | 7 22 | 1 48 | 3 18 | 14 4 | 22 49 | 22 59 | 10 1 | 3 16 | 5 16 |
| M26 | 8 33 | 2 3 | 4 26 | 6 6 | 3 17 | 4 17 | 1 14 | 11 43 | 1 7 | 23 10 | 0 21 | 22 57 | 0 35 | 7 11 | 0 33 | 7 22 | 1 47 | 3 17 | 14 4 | 22 50 | 22 59 | 10 4 | 3 17 | 5 16 |
| T 27 | 8 11 | 3n 3 | 4 51 | 6 43 | 3 1 | 3 46 | 1 13 | 11 29 | 1 7 | 23 10 | 0 21 | 22 57 | 0 35 | 7 13 | 0 33 | 7 23 | 1 47 | 3 17 | 14 4 | 22 51 | 22 59 | 10 7 | 3 18 | 5 16 |
| W28 | 7 49 | 8 0 | 5 3 | 7 19 | 2 43 | 3 15 | 1 12 | 11 14 | 1 7 | 23 10 | 0 21 | 22 58 | 0 35 | 7 14 | 0 33 | 7 24 | 1 47 | 3 17 | 14 5 | 22 52 | 23 0 | 10 9 | 3 20 | 5 15 |
| T 29 | 7 27 | 12 38 | 5 2 | 7 54 | 2 25 | 2 44 | 1 11 | 11 0 | 1 7 | 23 11 | 0 21 | 22 58 | 0 34 | 7 15 | 0 33 | 7 24 | 1 47 | 3 16 | 14 5 | 22 53 | 23 0 | 10 12 | 3 21 | 5 15 |
| F 30 | 7 4 | 16 47 | 4 48 | 8 28 | 2 6 | 2 13 | 1 9 | 10 46 | 1 6 | 23 11 | 0 21 | 22 58 | 0 34 | 7 16 | 0 33 | 7 25 | 1 47 | 3 16 | 14 5 | 22 54 | 23 0 | 10 15 | 3 22 | 5 15 |
| S 31 | 6n42 | 20n17 | 4n21 | 8n59 | 1s46 | 1n42 | 1n 8 | 10n32 | 1n 6 | 23n11 | 0s21 | 22s58 | 0n34 | 7s17 | 0n33 | 7s26 | 1n47 | 3n16 | 14s 5 | 22s54 | 23s 0 | 10n17 | 3s23 | 5n15 |

Julian Day Number = 2135828.5, Delta T = 15m56s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'19, Lahiri = 11°48'20 Julian Calendar 1 Aug. 1135 == Greg. Calendar 8 Aug. 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## SEPTEMBER 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 3 41 | 14♍ 1'01 | 26♉ 2 | 2°R 2 | 29♍33 | 6♍14 | 27♊33 | 27♐54 | 19♎54 | 23♎19 | 16°R16 | 13°R 2 | 11♑56 | 14♈ 8 | 8°R54 | S 1 |
| M 2 | 23 7 37 | 14°59'42 | 8♊11 | 1♍44 | 0♎48 | 6°53 | 27°40 | 27°55 | 19°57 | 23°21 | 16♉15 | 13♑ 0 | 11°53 | 14°14 | 8♓51 | M 2 |
| T 3 | 23 11 34 | 15°58'25 | 20°35 | 1°D34 | 2° 2 | 7°31 | 27°47 | 27°55 | 20° 1 | 23°23 | 16°15 | 13°D 0 | 11°50 | 14°21 | 8°48 | T 3 |
| W 4 | 23 15 30 | 16°57'11 | 3♋19 | 1°35 | 3°16 | 8°10 | 27°54 | 27°56 | 20° 4 | 23°25 | 16°14 | 13° 1 | 11°47 | 14°28 | 8°45 | W 4 |
| T 5 | 23 19 27 | 17°55'59 | 16°28 | 1°46 | 4°31 | 8°48 | 28° 1 | 27°57 | 20° 7 | 23°27 | 16°14 | 13°R 1 | 11°44 | 14°35 | 8°43 | T 5 |
| F 6 | 23 23 23 | 18°54'49 | 0♌ 4 | 2° 6 | 5°45 | 9°27 | 28° 7 | 27°58 | 20°10 | 23°28 | 16°13 | 13° 0 | 11°40 | 14°41 | 8°40 | F 6 |
| S 7 | 23 27 20 | 19°53'41 | 14°10 | 2°36 | 7° 0 | 10° 5 | 28°14 | 27°59 | 20°14 | 23°30 | 16°13 | 12°56 | 11°37 | 14°48 | 8°37 | S 7 |
| S 8 | 23 31 16 | 20°52'36 | 28°43 | 3°15 | 8°14 | 10°44 | 28°20 | 28° 0 | 20°17 | 23°32 | 16°12 | 12°50 | 11°34 | 14°55 | 8°34 | S 8 |
| M 9 | 23 35 13 | 21°51'33 | 13♍39 | 4° 3 | 9°28 | 11°22 | 28°26 | 28° 1 | 20°21 | 23°34 | 16°12 | 12°42 | 11°31 | 15° 2 | 8°32 | M 9 |
| T 10 | 23 39 10 | 22°50'32 | 28°50 | 4°59 | 10°43 | 12° 1 | 28°32 | 28° 3 | 20°24 | 23°36 | 16°11 | 12°32 | 11°28 | 15° 8 | 8°29 | T 10 |
| W11 | 23 43 6 | 23°49'33 | 14♎ 5 | 6° 2 | 11°57 | 12°40 | 28°38 | 28° 4 | 20°27 | 23°38 | 16°11 | 12°21 | 11°25 | 15°15 | 8°26 | W11 |
| T 12 | 23 47 3 | 24°48'36 | 29°13 | 7°12 | 13°12 | 13°18 | 28°44 | 28° 6 | 20°31 | 23°40 | 16°10 | 12°12 | 11°21 | 15°22 | 8°23 | T 12 |
| F 13 | 23 50 59 | 25°47'40 | 14♏ 4 | 8°28 | 14°26 | 13°57 | 28°49 | 28° 7 | 20°34 | 23°42 | 16° 9 | 12° 4 | 11°18 | 15°28 | 8°21 | F 13 |
| S 14 | 23 54 56 | 26°46'47 | 28°33 | 9°49 | 15°40 | 14°35 | 28°55 | 28° 9 | 20°38 | 23°44 | 16° 9 | 11°59 | 11°15 | 15°35 | 8°18 | S 14 |
| S 15 | 23 58 52 | 27°45'56 | 12♐35 | 11°15 | 16°55 | 15°14 | 29° 0 | 28°11 | 20°41 | 23°46 | 16° 8 | 11°56 | 11°12 | 15°42 | 8°15 | S 15 |
| M16 | 0 2 49 | 28°45'06 | 26°11 | 12°44 | 18° 9 | 15°53 | 29° 5 | 28°13 | 20°45 | 23°49 | 16° 7 | 11°D56 | 11° 9 | 15°49 | 8°13 | M16 |
| T 17 | 0 6 45 | 29°44'18 | 9♑22 | 14°17 | 19°23 | 16°31 | 29°10 | 28°15 | 20°49 | 23°51 | 16° 6 | 11°R56 | 11° 5 | 15°55 | 8°10 | T 17 |
| W18 | 0 10 42 | 0♎43'32 | 22°13 | 15°53 | 20°38 | 17°10 | 29°14 | 28°17 | 20°52 | 23°53 | 16° 6 | 11°55 | 11° 2 | 16° 2 | 8° 8 | W18 |
| T 19 | 0 14 39 | 1°42'48 | 4♒48 | 17°31 | 21°52 | 17°49 | 29°19 | 28°19 | 20°56 | 23°55 | 16° 5 | 11°54 | 10°59 | 16° 9 | 8° 5 | T 19 |
| F 20 | 0 18 35 | 2°42'06 | 17° 9 | 19°11 | 23° 6 | 18°27 | 29°23 | 28°21 | 20°59 | 23°57 | 16° 4 | 11°49 | 10°56 | 16°16 | 8° 3 | F 20 |
| S 21 | 0 22 32 | 3°41'25 | 29°20 | 20°52 | 24°21 | 19° 6 | 29°27 | 28°24 | 21° 3 | 23°59 | 16° 3 | 11°42 | 10°53 | 16°22 | 8° 0 | S 21 |
| S 22 | 0 26 28 | 4°40'46 | 11♓24 | 22°35 | 25°35 | 19°45 | 29°31 | 28°26 | 21° 7 | 24° 1 | 16° 3 | 11°32 | 10°50 | 16°29 | 7°58 | S 22 |
| M23 | 0 30 25 | 5°40'10 | 23°23 | 24°18 | 26°49 | 20°24 | 29°35 | 28°29 | 21°10 | 24° 3 | 16° 2 | 11°19 | 10°46 | 16°36 | 7°55 | M23 |
| T 24 | 0 34 21 | 6°39'35 | 5♈19 | 26° 2 | 28° 4 | 21° 2 | 29°39 | 28°31 | 21°14 | 24° 5 | 16° 1 | 11° 5 | 10°43 | 16°42 | 7°53 | T 24 |
| W25 | 0 38 18 | 7°39'02 | 17°12 | 27°46 | 29°18 | 21°41 | 29°42 | 28°34 | 21°18 | 24° 8 | 16° 0 | 10°50 | 10°40 | 16°49 | 7°51 | W25 |
| T 26 | 0 42 14 | 8°38'32 | 29° 4 | 29°30 | 0♏32 | 22°20 | 29°45 | 28°37 | 21°21 | 24°10 | 15°59 | 10°37 | 10°37 | 16°56 | 7°48 | T 26 |
| F 27 | 0 46 11 | 9°38'03 | 10♉57 | 1♎14 | 1°47 | 22°59 | 29°48 | 28°40 | 21°25 | 24°12 | 15°58 | 10°24 | 10°34 | 17° 3 | 7°46 | F 27 |
| S 28 | 0 50 7 | 10°37'37 | 22°52 | 2°58 | 3° 1 | 23°38 | 29°51 | 28°43 | 21°29 | 24°14 | 15°58 | 10°15 | 10°30 | 17° 9 | 7°44 | S 28 |
| S 29 | 0 54 4 | 11°37'14 | 4♊53 | 4°42 | 4°15 | 24°16 | 29°54 | 28°46 | 21°32 | 24°16 | 15°57 | 10° 8 | 10°27 | 17°16 | 7°41 | S 29 |
| M30 | 0 58 1 | 12♎36'52 | 17♊ 2 | 6♎26 | 5♏30 | 24♍55 | 29♊56 | 28♐49 | 21♎36 | 24♎19 | 15♉56 | 10♑ 5 | 10♑24 | 17♈23 | 7♓39 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n19 | 22n58 | 3n43 | 9n28 | 1s26 | 1n11 | 1n 6 | 10n17 | 1n 6 | 23n11 | 0s21 | 22s58 | 0n34 | 7s19 | 0n33 | 7s26 | 1n47 | 3n15 | 14s 6 | 22s55 | 23s 1 | 10n20 | 3s24 | 5n15 |
| M 2 | 5 56 | 24 39 | 2 54 | 9 53 | 1 6 | 0 40 | 1 5 | 10 3 | 1 6 | 23 11 | 0 21 | 22 58 | 0 34 | 7 20 | 0 33 | 7 27 | 1 47 | 3 15 | 14 6 | 22 55 | 23 1 | 10 22 | 3 25 | 5 15 |
| T 3 | 5 33 | 25 9 | 1 57 | 10 14 | 0 47 | 0 9 | 1 3 | 9 48 | 1 6 | 23 12 | 0 20 | 22 58 | 0 34 | 7 21 | 0 33 | 7 28 | 1 47 | 3 15 | 14 6 | 22 55 | 23 1 | 10 25 | 3 26 | 5 15 |
| W 4 | 5 11 | 24 22 | 0 51 | 10 31 | 0 28 | 0s22 | 1 1 | 9 34 | 1 6 | 23 12 | 0 20 | 22 59 | 0 34 | 7 22 | 0 33 | 7 29 | 1 47 | 3 14 | 14 6 | 22 55 | 23 2 | 10 28 | 3 27 | 5 15 |
| T 5 | 4 48 | 22 14 | 0s18 | 10 44 | 0 11 | 0 54 | 0 59 | 9 19 | 1 6 | 23 12 | 0 20 | 22 59 | 0 33 | 7 24 | 0 33 | 7 29 | 1 47 | 3 14 | 14 7 | 22 55 | 23 2 | 10 30 | 3 29 | 5 15 |
| F 6 | 4 24 | 18 46 | 1 29 | 10 52 | 0n 6 | 1 25 | 0 58 | 9 4 | 1 5 | 23 12 | 0 20 | 22 59 | 0 33 | 7 25 | 0 33 | 7 30 | 1 47 | 3 14 | 14 7 | 22 55 | 23 2 | 10 33 | 3 30 | 5 15 |
| S 7 | 4 1 | 14 9 | 2 37 | 10 56 | 0 22 | 1 56 | 0 56 | 8 50 | 1 5 | 23 12 | 0 20 | 22 59 | 0 33 | 7 26 | 0 33 | 7 31 | 1 47 | 3 13 | 14 7 | 22 55 | 23 2 | 10 35 | 3 31 | 5 15 |
| S 8 | 3 38 | 8 35 | 3 37 | 10 56 | 0 37 | 2 27 | 0 54 | 8 35 | 1 5 | 23 12 | 0 20 | 22 59 | 0 33 | 7 28 | 0 33 | 7 32 | 1 47 | 3 13 | 14 7 | 22 56 | 23 3 | 10 38 | 3 32 | 5 14 |
| M 9 | 3 15 | 2 24 | 4 24 | 10 51 | 0 50 | 2 59 | 0 52 | 8 20 | 1 5 | 23 12 | 0 20 | 22 59 | 0 33 | 7 29 | 0 33 | 7 32 | 1 47 | 3 13 | 14 7 | 22 57 | 23 3 | 10 41 | 3 33 | 5 14 |
| T 10 | 2 51 | 4s 1 | 4 53 | 10 41 | 1 2 | 3 30 | 0 50 | 8 5 | 1 5 | 23 13 | 0 20 | 23 0 | 0 33 | 7 30 | 0 33 | 7 33 | 1 47 | 3 12 | 14 8 | 22 58 | 23 3 | 10 43 | 3 34 | 5 14 |
| W11 | 2 28 | 10 12 | 5 1 | 10 28 | 1 13 | 4 1 | 0 48 | 7 50 | 1 5 | 23 13 | 0 20 | 23 0 | 0 33 | 7 31 | 0 33 | 7 34 | 1 47 | 3 12 | 14 8 | 22 58 | 23 4 | 10 46 | 3 35 | 5 14 |
| T 12 | 2 4 | 15 44 | 4 49 | 10 11 | 1 22 | 4 32 | 0 46 | 7 35 | 1 4 | 23 13 | 0 20 | 23 0 | 0 32 | 7 33 | 0 33 | 7 35 | 1 47 | 3 11 | 14 8 | 22 59 | 23 4 | 10 48 | 3 37 | 5 14 |
| F 13 | 1 41 | 20 13 | 4 16 | 9 50 | 1 31 | 5 3 | 0 44 | 7 20 | 1 4 | 23 13 | 0 20 | 23 0 | 0 32 | 7 34 | 0 33 | 7 35 | 1 47 | 3 11 | 14 8 | 23 0 | 23 4 | 10 51 | 3 38 | 5 14 |
| S 14 | 1 17 | 23 19 | 3 28 | 9 26 | 1 37 | 5 34 | 0 41 | 7 5 | 1 4 | 23 13 | 0 20 | 23 0 | 0 32 | 7 35 | 0 33 | 7 36 | 1 47 | 3 11 | 14 8 | 23 1 | 23 4 | 10 53 | 3 39 | 5 14 |
| S 15 | 0 54 | 24 52 | 2 29 | 8 58 | 1 43 | 6 4 | 0 39 | 6 50 | 1 4 | 23 13 | 0 20 | 23 0 | 0 32 | 7 37 | 0 33 | 7 37 | 1 47 | 3 10 | 14 9 | 23 1 | 23 5 | 10 56 | 3 40 | 5 13 |
| M16 | 0 30 | 24 52 | 1 22 | 8 28 | 1 48 | 6 35 | 0 37 | 6 34 | 1 4 | 23 13 | 0 20 | 23 0 | 0 32 | 7 38 | 0 33 | 7 38 | 1 47 | 3 10 | 14 9 | 23 1 | 23 5 | 10 58 | 3 41 | 5 13 |
| T 17 | 0 6 | 23 27 | 0 14 | 7 55 | 1 51 | 7 5 | 0 35 | 6 19 | 1 4 | 23 13 | 0 20 | 23 1 | 0 32 | 7 40 | 0 33 | 7 38 | 1 47 | 3 10 | 14 9 | 23 1 | 23 5 | 11 1 | 3 42 | 5 13 |
| W18 | 0s17 | 20 49 | 0n54 | 7 20 | 1 54 | 7 36 | 0 32 | 6 4 | 1 3 | 23 13 | 0 20 | 23 1 | 0 32 | 7 41 | 0 33 | 7 39 | 1 47 | 3 9 | 14 9 | 23 1 | 23 5 | 11 4 | 3 43 | 5 13 |
| T 19 | 0 41 | 17 15 | 1 58 | 6 44 | 1 56 | 8 6 | 0 30 | 5 49 | 1 3 | 23 13 | 0 20 | 23 1 | 0 32 | 7 42 | 0 33 | 7 40 | 1 47 | 3 9 | 14 9 | 23 1 | 23 6 | 11 6 | 3 44 | 5 13 |
| F 20 | 1 5 | 13 0 | 2 55 | 6 5 | 1 56 | 8 36 | 0 28 | 5 33 | 1 3 | 23 13 | 0 20 | 23 1 | 0 31 | 7 44 | 0 33 | 7 41 | 1 47 | 3 8 | 14 10 | 23 1 | 23 6 | 11 9 | 3 45 | 5 13 |
| S 21 | 1 28 | 8 17 | 3 42 | 5 25 | 1 56 | 9 5 | 0 25 | 5 18 | 1 3 | 23 14 | 0 19 | 23 1 | 0 31 | 7 45 | 0 32 | 7 42 | 1 47 | 3 8 | 14 10 | 23 2 | 23 6 | 11 11 | 3 47 | 5 12 |
| S 22 | 1 52 | 3 19 | 4 20 | 4 43 | 1 55 | 9 35 | 0 23 | 5 2 | 1 3 | 23 14 | 0 19 | 23 1 | 0 31 | 7 46 | 0 32 | 7 42 | 1 47 | 3 8 | 14 10 | 23 3 | 23 6 | 11 14 | 3 48 | 5 12 |
| M23 | 2 16 | 1n43 | 4 45 | 4 1 | 1 54 | 10 4 | 0 20 | 4 47 | 1 2 | 23 14 | 0 19 | 23 2 | 0 31 | 7 48 | 0 32 | 7 43 | 1 47 | 3 7 | 14 10 | 23 4 | 23 7 | 11 16 | 3 49 | 5 12 |
| T 24 | 2 39 | 6 40 | 4 58 | 3 18 | 1 52 | 10 34 | 0 18 | 4 31 | 1 2 | 23 14 | 0 19 | 23 2 | 0 31 | 7 49 | 0 32 | 7 44 | 1 47 | 3 7 | 14 10 | 23 5 | 23 7 | 11 19 | 3 50 | 5 12 |
| W25 | 3 3 | 11 21 | 4 57 | 2 34 | 1 49 | 11 2 | 0 15 | 4 16 | 1 2 | 23 14 | 0 19 | 23 2 | 0 31 | 7 51 | 0 32 | 7 45 | 1 47 | 3 7 | 14 10 | 23 6 | 23 7 | 11 21 | 3 51 | 5 12 |
| T 26 | 3 27 | 15 37 | 4 44 | 1 49 | 1 46 | 11 31 | 0 13 | 4 0 | 1 2 | 23 14 | 0 19 | 23 2 | 0 31 | 7 52 | 0 32 | 7 46 | 1 47 | 3 6 | 14 11 | 23 8 | 23 8 | 11 24 | 3 52 | 5 11 |
| F 27 | 3 50 | 19 16 | 4 19 | 1 4 | 1 42 | 11 59 | 0 10 | 3 45 | 1 2 | 23 14 | 0 19 | 23 2 | 0 31 | 7 53 | 0 32 | 7 47 | 1 47 | 3 6 | 14 11 | 23 9 | 23 8 | 11 26 | 3 53 | 5 11 |
| S 28 | 4 14 | 22 9 | 3 41 | 0 19 | 1 38 | 12 28 | 0 7 | 3 29 | 1 1 | 23 14 | 0 19 | 23 2 | 0 30 | 7 55 | 0 32 | 7 47 | 1 47 | 3 5 | 14 11 | 23 9 | 23 8 | 11 29 | 3 54 | 5 11 |
| S 29 | 4 37 | 24 4 | 2 54 | 0s26 | 1 34 | 12 55 | 0 5 | 3 13 | 1 1 | 23 14 | 0 19 | 23 2 | 0 30 | 7 56 | 0 32 | 7 48 | 1 47 | 3 5 | 14 11 | 23 10 | 23 8 | 11 31 | 3 55 | 5 11 |
| M30 | 5s 0 | 24n53 | 1n58 | 1s12 | 1n29 | 13s23 | 0n 2 | 2n58 | 1n 1 | 23n14 | 0s19 | 23s 3 | 0n30 | 7s58 | 0n32 | 7s49 | 1n47 | 3n 5 | 14s11 | 23s10 | 23s 9 | 11n34 | 3s56 | 5n11 |

Julian Day Number = 2135859.5, Delta T = 15m56s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'24, Lahiri = 11°48'24 Julian Calendar 1 Sept. 1135 == Greg. Calendar 8 Sept. 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## OCTOBER 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 1 57 | 13♎36'33 | 29♊24 | 8♎ 9 | 6♏44 | 25♍34 | 29♊59 | 28♐52 | 21♎40 | 24♎21 | 15°R55 | 10°R 3 | 10♑21 | 17♈29 | 7°R37 | T 1 |
| W 2 | 1 5 54 | 14°36'16 | 12♋ 4 | 9°52 | 7°58 | 26°13 | 0♋ 1 | 28°56 | 21°44 | 24°23 | 15♉54 | 10♑ 3 | 10°18 | 17°36 | 7♓35 | W 2 |
| T 3 | 1 9 50 | 15°36'02 | 25° 6 | 11°34 | 9°12 | 26°52 | 0° 3 | 28°59 | 21°47 | 24°25 | 15°53 | 10° 3 | 10°15 | 17°43 | 7°33 | T 3 |
| F 4 | 1 13 47 | 16°35'49 | 8♌34 | 13°16 | 10°27 | 27°31 | 0° 5 | 29° 3 | 21°51 | 24°27 | 15°52 | 10° 2 | 10°11 | 17°50 | 7°31 | F 4 |
| S 5 | 1 17 43 | 17°35'39 | 22°31 | 14°57 | 11°41 | 28°10 | 0° 6 | 29° 6 | 21°55 | 24°30 | 15°51 | 9°58 | 10° 8 | 17°56 | 7°29 | S 5 |
| S 6 | 1 21 40 | 18°35'31 | 6♍57 | 16°38 | 12°55 | 28°49 | 0° 7 | 29°10 | 21°59 | 24°32 | 15°50 | 9°52 | 10° 5 | 18° 3 | 7°27 | S 6 |
| M 7 | 1 25 36 | 19°35'26 | 21°49 | 18°18 | 14° 9 | 29°28 | 0° 9 | 29°14 | 22° 2 | 24°34 | 15°49 | 9°43 | 10° 2 | 18°10 | 7°25 | M 7 |
| T 8 | 1 29 33 | 20°35'22 | 7♎ 1 | 19°58 | 15°24 | 0♎ 7 | 0° 9 | 29°18 | 22° 6 | 24°36 | 15°48 | 9°32 | 9°59 | 18°17 | 7°23 | T 8 |
| W 9 | 1 33 30 | 21°35'21 | 22°22 | 21°37 | 16°38 | 0°46 | 0°10 | 29°22 | 22°10 | 24°39 | 15°47 | 9°21 | 9°56 | 18°23 | 7°21 | W 9 |
| T 10 | 1 37 26 | 22°35'22 | 7♏40 | 23°15 | 17°52 | 1°25 | 0°11 | 29°26 | 22°14 | 24°41 | 15°46 | 9°11 | 9°52 | 18°30 | 7°19 | T 10 |
| F 11 | 1 41 23 | 23°35'24 | 22°44 | 24°54 | 19° 6 | 2° 4 | 0°11 | 29°30 | 22°17 | 24°43 | 15°45 | 9° 2 | 9°49 | 18°37 | 7°18 | F 11 |
| S 12 | 1 45 19 | 24°35'28 | 7♐26 | 26°31 | 20°20 | 2°43 | 0°R11 | 29°34 | 22°21 | 24°45 | 15°44 | 8°56 | 9°46 | 18°43 | 7°16 | S 12 |
| S 13 | 1 49 16 | 25°35'35 | 21°40 | 28° 8 | 21°35 | 3°22 | 0°11 | 29°38 | 22°25 | 24°48 | 15°43 | 8°53 | 9°43 | 18°50 | 7°14 | S 13 |
| M14 | 1 53 12 | 26°35'42 | 5♑24 | 29°45 | 22°49 | 4° 1 | 0°11 | 29°43 | 22°29 | 24°50 | 15°42 | 8°D52 | 9°40 | 18°57 | 7°13 | M14 |
| T 15 | 1 57 9 | 27°35'52 | 18°41 | 1♏21 | 24° 3 | 4°41 | 0°10 | 29°47 | 22°32 | 24°52 | 15°41 | 8°52 | 9°36 | 19° 4 | 7°11 | T 15 |
| W16 | 2 1 5 | 28°36'02 | 1♒33 | 2°57 | 25°17 | 5°20 | 0°10 | 29°51 | 22°36 | 24°54 | 15°40 | 8°R52 | 9°33 | 19°10 | 7°10 | W16 |
| T 17 | 2 5 2 | 29°36'15 | 14° 5 | 4°33 | 26°31 | 5°59 | 0° 9 | 29°56 | 22°40 | 24°57 | 15°39 | 8°51 | 9°30 | 19°17 | 7° 8 | T 17 |
| F 18 | 2 8 59 | 0♏36'29 | 26°21 | 6° 7 | 27°46 | 6°38 | 0° 8 | 0♑ 1 | 22°44 | 24°59 | 15°38 | 8°48 | 9°27 | 19°24 | 7° 7 | F 18 |
| S 19 | 2 12 55 | 1°36'44 | 8♓27 | 7°42 | 29° 0 | 7°17 | 0° 6 | 0° 5 | 22°47 | 25° 1 | 15°36 | 8°42 | 9°24 | 19°30 | 7° 6 | S 19 |
| S 20 | 2 16 52 | 2°37'01 | 20°25 | 9°16 | 0♐14 | 7°57 | 0° 5 | 0°10 | 22°51 | 25° 3 | 15°35 | 8°34 | 9°21 | 19°37 | 7° 4 | S 20 |
| M21 | 2 20 48 | 3°37'19 | 2♈18 | 10°50 | 1°28 | 8°36 | 0° 3 | 0°15 | 22°55 | 25° 6 | 15°34 | 8°23 | 9°17 | 19°44 | 7° 3 | M21 |
| T 22 | 2 24 45 | 4°37'39 | 14°11 | 12°24 | 2°42 | 9°15 | 0° 1 | 0°20 | 22°59 | 25° 8 | 15°33 | 8°11 | 9°14 | 19°51 | 7° 2 | T 22 |
| W23 | 2 28 41 | 5°38'01 | 26° 3 | 13°57 | 3°56 | 9°54 | 29♊59 | 0°25 | 23° 2 | 25°10 | 15°32 | 7°58 | 9°11 | 19°57 | 7° 1 | W23 |
| T 24 | 2 32 38 | 6°38'25 | 7♉58 | 15°30 | 5°10 | 10°34 | 29°57 | 0°30 | 23° 6 | 25°12 | 15°31 | 7°46 | 9° 8 | 20° 4 | 7° 0 | T 24 |
| F 25 | 2 36 34 | 7°38'50 | 19°56 | 17° 2 | 6°24 | 11°13 | 29°55 | 0°35 | 23°10 | 25°14 | 15°30 | 7°36 | 9° 5 | 20°11 | 6°59 | F 25 |
| S 26 | 2 40 31 | 8°39'17 | 1♊58 | 18°34 | 7°38 | 11°52 | 29°52 | 0°40 | 23°13 | 25°17 | 15°29 | 7°27 | 9° 2 | 20°18 | 6°58 | S 26 |
| S 27 | 2 44 28 | 9°39'46 | 14° 6 | 20° 6 | 8°52 | 12°32 | 29°49 | 0°46 | 23°17 | 25°19 | 15°28 | 7°22 | 8°58 | 20°24 | 6°57 | S 27 |
| M28 | 2 48 24 | 10°40'16 | 26°23 | 21°38 | 10° 6 | 13°11 | 29°46 | 0°51 | 23°21 | 25°21 | 15°26 | 7°19 | 8°55 | 20°31 | 6°56 | M28 |
| T 29 | 2 52 21 | 11°40'49 | 8♋51 | 23°10 | 11°20 | 13°50 | 29°43 | 0°56 | 23°24 | 25°23 | 15°25 | 7°D19 | 8°52 | 20°38 | 6°55 | T 29 |
| W30 | 2 56 17 | 12°41'23 | 21°34 | 24°41 | 12°34 | 14°30 | 29°39 | 1° 2 | 23°28 | 25°25 | 15°24 | 7°19 | 8°49 | 20°44 | 6°54 | W30 |
| T 31 | 3 0 14 | 13♏41'59 | 4♌35 | 26♏12 | 13♐48 | 15♎ 9 | 29♊36 | 1♑ 7 | 23♎31 | 25♎28 | 15♉23 | 7♑20 | 8♑46 | 20♈51 | 6♓54 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s24 | 24n29 | 0n56 | 1s58 | 1n24 | 13s50 | 0s 1 | 2n42 | 1n 1 | 23n14 | 0s19 | 23s 3 | 0n30 | 7s59 | 0n32 | 7s50 | 1n47 | 3n 4 | 14s11 | 23s10 | 23s 9 | 11n36 | 3s57 | 5n10 |
| W 2 | 5 47 | 22 50 | 0s11 | 2 43 | 1 19 | 14 17 | 0 3 | 2 26 | 1 1 | 23 14 | 0 19 | 23 3 | 0 30 | 8 0 | 0 32 | 7 51 | 1 47 | 3 4 | 14 11 | 23 10 | 23 9 | 11 39 | 3 58 | 5 10 |
| T 3 | 6 10 | 19 56 | 1 19 | 3 28 | 1 13 | 14 43 | 0 6 | 2 10 | 1 0 | 23 14 | 0 19 | 23 3 | 0 30 | 8 2 | 0 32 | 7 51 | 1 47 | 3 4 | 14 11 | 23 10 | 23 9 | 11 41 | 3 59 | 5 10 |
| F 4 | 6 33 | 15 53 | 2 25 | 4 13 | 1 7 | 15 10 | 0 9 | 1 55 | 1 0 | 23 14 | 0 19 | 23 3 | 0 30 | 8 3 | 0 32 | 7 52 | 1 47 | 3 3 | 14 12 | 23 10 | 23 10 | 11 44 | 4 0 | 5 10 |
| S 5 | 6 56 | 10 51 | 3 24 | 4 58 | 1 2 | 15 35 | 0 11 | 1 39 | 1 0 | 23 15 | 0 19 | 23 3 | 0 30 | 8 5 | 0 32 | 7 53 | 1 47 | 3 3 | 14 12 | 23 11 | 23 10 | 11 46 | 4 1 | 5 9 |
| S 6 | 7 19 | 5 5 | 4 13 | 5 43 | 0 55 | 16 1 | 0 14 | 1 23 | 1 0 | 23 15 | 0 19 | 23 4 | 0 29 | 8 6 | 0 32 | 7 54 | 1 47 | 3 2 | 14 12 | 23 11 | 23 10 | 11 49 | 4 2 | 5 9 |
| M 7 | 7 42 | 1s 7 | 4 46 | 6 27 | 0 49 | 16 26 | 0 17 | 1 7 | 0 59 | 23 15 | 0 18 | 23 4 | 0 29 | 8 7 | 0 32 | 7 55 | 1 47 | 3 2 | 14 12 | 23 12 | 23 10 | 11 51 | 4 3 | 5 9 |
| T 8 | 8 5 | 7 23 | 5 0 | 7 11 | 0 43 | 16 50 | 0 20 | 0 51 | 0 59 | 23 15 | 0 18 | 23 4 | 0 29 | 8 9 | 0 32 | 7 56 | 1 47 | 3 2 | 14 12 | 23 12 | 23 10 | 11 54 | 4 4 | 5 9 |
| W 9 | 8 27 | 13 16 | 4 53 | 7 54 | 0 36 | 17 15 | 0 22 | 0 36 | 0 59 | 23 15 | 0 18 | 23 4 | 0 29 | 8 10 | 0 32 | 7 56 | 1 47 | 3 1 | 14 12 | 23 13 | 23 11 | 11 56 | 4 5 | 5 8 |
| T 10 | 8 50 | 18 18 | 4 25 | 8 37 | 0 30 | 17 38 | 0 25 | 0 20 | 0 59 | 23 15 | 0 18 | 23 4 | 0 29 | 8 12 | 0 32 | 7 57 | 1 47 | 3 1 | 14 12 | 23 14 | 23 11 | 11 59 | 4 6 | 5 8 |
| F 11 | 9 12 | 22 3 | 3 38 | 9 19 | 0 23 | 18 2 | 0 28 | 0 4 | 0 58 | 23 15 | 0 18 | 23 4 | 0 29 | 8 13 | 0 32 | 7 58 | 1 47 | 3 1 | 14 12 | 23 15 | 23 11 | 12 1 | 4 7 | 5 8 |
| S 12 | 9 34 | 24 15 | 2 38 | 10 1 | 0 17 | 18 24 | 0 30 | 0s12 | 0 58 | 23 15 | 0 18 | 23 4 | 0 29 | 8 14 | 0 32 | 7 59 | 1 47 | 3 0 | 14 12 | 23 15 | 23 11 | 12 4 | 4 7 | 5 7 |
| S 13 | 9 56 | 24 47 | 1 30 | 10 42 | 0 10 | 18 47 | 0 33 | 0 28 | 0 58 | 23 15 | 0 18 | 23 4 | 0 29 | 8 16 | 0 32 | 8 0 | 1 47 | 3 0 | 14 12 | 23 15 | 23 12 | 12 6 | 4 8 | 5 7 |
| M14 | 10 18 | 23 45 | 0 18 | 11 23 | 0 3 | 19 8 | 0 36 | 0 44 | 0 58 | 23 15 | 0 18 | 23 5 | 0 28 | 8 17 | 0 32 | 8 1 | 1 47 | 3 0 | 14 13 | 23 15 | 23 12 | 12 9 | 4 9 | 5 7 |
| T 15 | 10 40 | 21 23 | 0n52 | 12 3 | 0s 3 | 19 30 | 0 39 | 0 59 | 0 57 | 23 15 | 0 18 | 23 5 | 0 28 | 8 19 | 0 32 | 8 1 | 1 47 | 2 59 | 14 13 | 23 15 | 23 12 | 12 11 | 4 10 | 5 7 |
| W16 | 11 2 | 18 0 | 1 57 | 12 43 | 0 10 | 19 51 | 0 41 | 1 15 | 0 57 | 23 15 | 0 18 | 23 5 | 0 28 | 8 20 | 0 32 | 8 2 | 1 47 | 2 59 | 14 13 | 23 15 | 23 12 | 12 14 | 4 11 | 5 6 |
| T 17 | 11 23 | 13 53 | 2 55 | 13 21 | 0 17 | 20 11 | 0 44 | 1 31 | 0 57 | 23 15 | 0 18 | 23 5 | 0 28 | 8 22 | 0 32 | 8 3 | 1 47 | 2 58 | 14 13 | 23 15 | 23 13 | 12 16 | 4 12 | 5 6 |
| F 18 | 11 44 | 9 17 | 3 44 | 14 0 | 0 23 | 20 31 | 0 47 | 1 47 | 0 56 | 23 15 | 0 18 | 23 5 | 0 28 | 8 23 | 0 32 | 8 4 | 1 47 | 2 58 | 14 13 | 23 16 | 23 13 | 12 18 | 4 12 | 5 6 |
| S 19 | 12 5 | 4 24 | 4 22 | 14 37 | 0 30 | 20 50 | 0 49 | 2 3 | 0 56 | 23 16 | 0 18 | 23 5 | 0 28 | 8 24 | 0 32 | 8 5 | 1 47 | 2 58 | 14 13 | 23 16 | 23 13 | 12 21 | 4 13 | 5 5 |
| S 20 | 12 26 | 0n35 | 4 48 | 15 14 | 0 36 | 21 8 | 0 52 | 2 19 | 0 56 | 23 16 | 0 17 | 23 5 | 0 28 | 8 26 | 0 32 | 8 5 | 1 47 | 2 57 | 14 13 | 23 16 | 23 13 | 12 23 | 4 14 | 5 5 |
| M21 | 12 47 | 5 31 | 5 1 | 15 49 | 0 43 | 21 26 | 0 55 | 2 34 | 0 56 | 23 16 | 0 17 | 23 5 | 0 28 | 8 27 | 0 32 | 8 6 | 1 47 | 2 57 | 14 13 | 23 17 | 23 13 | 12 26 | 4 15 | 5 5 |
| T 22 | 13 7 | 10 14 | 5 1 | 16 25 | 0 49 | 21 44 | 0 57 | 2 50 | 0 55 | 23 16 | 0 17 | 23 5 | 0 28 | 8 28 | 0 32 | 8 7 | 1 47 | 2 57 | 14 13 | 23 18 | 23 14 | 12 28 | 4 15 | 5 5 |
| W23 | 13 28 | 14 34 | 4 48 | 16 59 | 0 56 | 22 1 | 1 0 | 3 6 | 0 55 | 23 16 | 0 17 | 23 6 | 0 27 | 8 30 | 0 32 | 8 8 | 1 47 | 2 56 | 14 13 | 23 19 | 23 14 | 12 31 | 4 16 | 5 4 |
| T 24 | 13 48 | 18 21 | 4 22 | 17 32 | 1 2 | 22 17 | 1 2 | 3 22 | 0 55 | 23 16 | 0 17 | 23 6 | 0 27 | 8 31 | 0 32 | 8 9 | 1 47 | 2 56 | 14 13 | 23 19 | 23 14 | 12 33 | 4 17 | 5 4 |
| F 25 | 14 8 | 21 25 | 3 45 | 18 5 | 1 8 | 22 32 | 1 5 | 3 37 | 0 54 | 23 16 | 0 17 | 23 6 | 0 27 | 8 33 | 0 32 | 8 9 | 1 47 | 2 56 | 14 13 | 23 20 | 23 14 | 12 35 | 4 17 | 5 4 |
| S 26 | 14 27 | 23 33 | 2 57 | 18 37 | 1 14 | 22 47 | 1 7 | 3 53 | 0 54 | 23 16 | 0 17 | 23 6 | 0 27 | 8 34 | 0 32 | 8 10 | 1 47 | 2 56 | 14 13 | 23 20 | 23 15 | 12 38 | 4 18 | 5 3 |
| S 27 | 14 47 | 24 36 | 2 1 | 19 8 | 1 20 | 23 2 | 1 10 | 4 9 | 0 54 | 23 16 | 0 17 | 23 6 | 0 27 | 8 35 | 0 32 | 8 11 | 1 47 | 2 55 | 14 13 | 23 21 | 23 15 | 12 40 | 4 19 | 5 3 |
| M28 | 15 6 | 24 28 | 0 58 | 19 38 | 1 25 | 23 15 | 1 12 | 4 25 | 0 53 | 23 16 | 0 17 | 23 6 | 0 27 | 8 37 | 0 32 | 8 12 | 1 47 | 2 55 | 14 13 | 23 21 | 23 15 | 12 43 | 4 19 | 5 3 |
| T 29 | 15 25 | 23 7 | 0s 8 | 20 7 | 1 31 | 23 28 | 1 14 | 4 40 | 0 53 | 23 16 | 0 17 | 23 6 | 0 27 | 8 38 | 0 32 | 8 13 | 1 47 | 2 55 | 14 13 | 23 21 | 23 15 | 12 45 | 4 20 | 5 2 |
| W30 | 15 43 | 20 34 | 1 16 | 20 35 | 1 36 | 23 41 | 1 17 | 4 56 | 0 53 | 23 17 | 0 17 | 23 6 | 0 27 | 8 39 | 0 32 | 8 13 | 1 47 | 2 54 | 14 13 | 23 21 | 23 15 | 12 48 | 4 20 | 5 2 |
| T 31 | 16s 2 | 16n56 | 2s21 | 21s 2 | 1s41 | 23s52 | 1s19 | 5s11 | 0n52 | 23n17 | 0s16 | 23s 6 | 0n27 | 8s41 | 0n32 | 8s14 | 1n47 | 2n54 | 14s13 | 23s21 | 23s16 | 12n50 | 4s21 | 5n 2 |

Julian Day Number = 2135889.5, Delta T = 15m56s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'28, Lahiri = 11°48'28 Julian Calendar 1 Oct. 1135 == Greg. Calendar 8 Oct. 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## NOVEMBER 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 4 10 | 14♏42'37 | 17♌57 | 27♏42 | 15♐ 2 | 15♎49 | 29°R32 | 1♑13 | 23♎35 | 25♎30 | 15°R22 | 7°R21 | 8♑42 | 20♈58 | 6°R53 | F 1 |
| S 2 | 3 8 7 | 15°43'16 | 1♍43 | 29°12 | 16°16 | 16°28 | 29♊28 | 1°18 | 23°39 | 25°32 | 15♉21 | 7♑19 | 8°39 | 21° 5 | 6♓52 | S 2 |
| S 3 | 3 12 3 | 16°43'57 | 15°54 | 0♐42 | 17°30 | 17° 8 | 29°24 | 1°24 | 23°42 | 25°34 | 15°20 | 7°16 | 8°36 | 21°11 | 6°52 | S 3 |
| M 4 | 3 16 0 | 17°44'40 | 0♎30 | 2°12 | 18°44 | 17°47 | 29°20 | 1°30 | 23°46 | 25°36 | 15°19 | 7°11 | 8°33 | 21°18 | 6°51 | M 4 |
| T 5 | 3 19 57 | 18°45'25 | 15°25 | 3°41 | 19°58 | 18°27 | 29°15 | 1°36 | 23°49 | 25°38 | 15°17 | 7° 4 | 8°30 | 21°25 | 6°51 | T 5 |
| W 6 | 3 23 53 | 19°46'11 | 0♏32 | 5°10 | 21°11 | 19° 6 | 29°10 | 1°41 | 23°53 | 25°40 | 15°16 | 6°56 | 8°27 | 21°31 | 6°51 | W 6 |
| T 7 | 3 27 50 | 20°46'59 | 15°42 | 6°39 | 22°25 | 19°46 | 29° 5 | 1°47 | 23°56 | 25°42 | 15°15 | 6°49 | 8°23 | 21°38 | 6°50 | T 7 |
| F 8 | 3 31 46 | 21°47'48 | 0♐44 | 8° 7 | 23°39 | 20°26 | 29° 0 | 1°53 | 24° 0 | 25°44 | 15°14 | 6°43 | 8°20 | 21°45 | 6°50 | F 8 |
| S 9 | 3 35 43 | 22°48'38 | 15°28 | 9°34 | 24°53 | 21° 5 | 28°55 | 1°59 | 24° 3 | 25°47 | 15°13 | 6°39 | 8°17 | 21°52 | 6°50 | S 9 |
| S 10 | 3 39 39 | 23°49'30 | 29°49 | 11° 1 | 26° 7 | 21°45 | 28°50 | 2° 5 | 24° 6 | 25°49 | 15°12 | 6°D37 | 8°14 | 21°58 | 6°50 | S 10 |
| M11 | 3 43 36 | 24°50'22 | 13♑42 | 12°27 | 27°20 | 22°24 | 28°44 | 2°11 | 24°10 | 25°51 | 15°11 | 6°37 | 8°11 | 22° 5 | 6°50 | M11 |
| T 12 | 3 47 32 | 25°51'16 | 27° 7 | 13°52 | 28°34 | 23° 4 | 28°38 | 2°18 | 24°13 | 25°53 | 15°10 | 6°38 | 8° 8 | 22°12 | 6°D50 | T 12 |
| W13 | 3 51 29 | 26°52'10 | 10♒ 6 | 15°17 | 29°48 | 23°44 | 28°33 | 2°24 | 24°17 | 25°55 | 15° 9 | 6°40 | 8° 4 | 22°18 | 6°50 | W13 |
| T 14 | 3 55 26 | 27°53'05 | 22°43 | 16°40 | 1♑ 2 | 24°24 | 28°27 | 2°30 | 24°20 | 25°57 | 15° 7 | 6°R41 | 8° 1 | 22°25 | 6°50 | T 14 |
| F 15 | 3 59 22 | 28°54'01 | 5♓ 1 | 18° 2 | 2°15 | 25° 3 | 28°20 | 2°36 | 24°23 | 25°59 | 15° 6 | 6°41 | 7°58 | 22°32 | 6°50 | F 15 |
| S 16 | 4 3 19 | 29°54'58 | 17° 6 | 19°23 | 3°29 | 25°43 | 28°14 | 2°43 | 24°26 | 26° 1 | 15° 5 | 6°39 | 7°55 | 22°39 | 6°50 | S 16 |
| S 17 | 4 7 15 | 0♐55'56 | 29° 3 | 20°41 | 4°43 | 26°23 | 28° 8 | 2°49 | 24°30 | 26° 2 | 15° 4 | 6°35 | 7°52 | 22°45 | 6°51 | S 17 |
| M18 | 4 11 12 | 1°56'54 | 10♈55 | 21°58 | 5°56 | 27° 3 | 28° 1 | 2°55 | 24°33 | 26° 4 | 15° 3 | 6°31 | 7°48 | 22°52 | 6°51 | M18 |
| T 19 | 4 15 8 | 2°57'53 | 22°47 | 23°13 | 7°10 | 27°42 | 27°54 | 3° 2 | 24°36 | 26° 6 | 15° 2 | 6°25 | 7°45 | 22°59 | 6°51 | T 19 |
| W20 | 4 19 5 | 3°58'53 | 4♉41 | 24°25 | 8°23 | 28°22 | 27°48 | 3° 8 | 24°39 | 26° 8 | 15° 1 | 6°18 | 7°42 | 23° 6 | 6°52 | W20 |
| T 21 | 4 23 1 | 4°59'53 | 16°39 | 25°34 | 9°37 | 29° 2 | 27°41 | 3°15 | 24°42 | 26°10 | 15° 0 | 6°12 | 7°39 | 23°12 | 6°52 | T 21 |
| F 22 | 4 26 58 | 6° 0'55 | 28°45 | 26°39 | 10°50 | 29°42 | 27°34 | 3°21 | 24°45 | 26°12 | 14°59 | 6° 7 | 7°36 | 23°19 | 6°53 | F 22 |
| S 23 | 4 30 55 | 7° 1'57 | 10♊58 | 27°40 | 12° 3 | 0♏22 | 27°27 | 3°28 | 24°48 | 26°14 | 14°58 | 6° 3 | 7°33 | 23°26 | 6°54 | S 23 |
| S 24 | 4 34 51 | 8° 3'00 | 23°21 | 28°37 | 13°17 | 1° 2 | 27°19 | 3°35 | 24°51 | 26°15 | 14°57 | 6° 1 | 7°29 | 23°32 | 6°54 | S 24 |
| M25 | 4 38 48 | 9° 4'04 | 5♋53 | 29°28 | 14°30 | 1°42 | 27°12 | 3°41 | 24°54 | 26°17 | 14°56 | 6°D 0 | 7°26 | 23°39 | 6°55 | M25 |
| T 26 | 4 42 44 | 10° 5'09 | 18°38 | 0♑13 | 15°43 | 2°22 | 27° 5 | 3°48 | 24°57 | 26°19 | 14°55 | 6° 1 | 7°23 | 23°46 | 6°56 | T 26 |
| W27 | 4 46 41 | 11° 6'15 | 1♌34 | 0°52 | 16°57 | 3° 2 | 26°57 | 3°55 | 25° 0 | 26°21 | 14°54 | 6° 2 | 7°20 | 23°53 | 6°57 | W27 |
| T 28 | 4 50 37 | 12° 7'21 | 14°45 | 1°22 | 18°10 | 3°42 | 26°49 | 4° 1 | 25° 3 | 26°22 | 14°53 | 6° 4 | 7°17 | 23°59 | 6°58 | T 28 |
| F 29 | 4 54 34 | 13° 8'28 | 28°12 | 1°44 | 19°23 | 4°22 | 26°42 | 4° 8 | 25° 6 | 26°24 | 14°52 | 6° 6 | 7°14 | 24° 6 | 6°59 | F 29 |
| S 30 | 4 58 31 | 14♐ 9'36 | 11♍56 | 1♑56 | 20♑36 | 5♏ 2 | 26♊34 | 4♑15 | 25♎ 9 | 26♎26 | 14♉51 | 6°R 6 | 7♑10 | 24♈13 | 7♓ 0 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s20 | 12n21 | 3s20 | 21s28 | 1s46 | 24s 3 | 1s21 | 5s27 | 0n52 | 23n17 | 0s16 | 23s 6 | 0n27 | 8s42 | 0n32 | 8s15 | 1n47 | 2n54 | 14s13 | 23s21 | 23s16 | 12n52 | 4s22 | 5n 1 |
| S 2 | 16 37 | 7 1 | 4 10 | 21 53 | 1 51 | 24 13 | 1 23 | 5 42 | 0 52 | 23 17 | 0 16 | 23 6 | 0 26 | 8 43 | 0 32 | 8 16 | 1 47 | 2 53 | 14 13 | 23 21 | 23 16 | 12 55 | 4 22 | 5 1 |
| S 3 | 16 55 | 1 11 | 4 46 | 22 16 | 1 55 | 24 23 | 1 26 | 5 58 | 0 51 | 23 17 | 0 16 | 23 6 | 0 26 | 8 45 | 0 32 | 8 16 | 1 47 | 2 53 | 14 13 | 23 21 | 23 16 | 12 57 | 4 23 | 5 1 |
| M 4 | 17 12 | 4s52 | 5 5 | 22 39 | 2 0 | 24 32 | 1 28 | 6 13 | 0 51 | 23 17 | 0 16 | 23 6 | 0 26 | 8 46 | 0 32 | 8 17 | 1 47 | 2 53 | 14 13 | 23 21 | 23 16 | 12 59 | 4 23 | 5 0 |
| T 5 | 17 29 | 10 46 | 5 4 | 23 1 | 2 4 | 24 40 | 1 30 | 6 29 | 0 51 | 23 17 | 0 16 | 23 6 | 0 26 | 8 47 | 0 32 | 8 18 | 1 47 | 2 53 | 14 13 | 23 22 | 23 17 | 13 2 | 4 23 | 5 0 |
| W 6 | 17 46 | 16 6 | 4 42 | 23 21 | 2 7 | 24 47 | 1 32 | 6 44 | 0 50 | 23 17 | 0 16 | 23 6 | 0 26 | 8 48 | 0 32 | 8 19 | 1 47 | 2 52 | 14 13 | 23 22 | 23 17 | 13 4 | 4 24 | 5 0 |
| T 7 | 18 2 | 20 26 | 4 0 | 23 40 | 2 11 | 24 54 | 1 34 | 7 0 | 0 50 | 23 17 | 0 16 | 23 6 | 0 26 | 8 50 | 0 32 | 8 19 | 1 47 | 2 52 | 14 13 | 23 23 | 23 17 | 13 7 | 4 24 | 4 59 |
| F 8 | 18 18 | 23 21 | 3 2 | 23 58 | 2 14 | 24 59 | 1 36 | 7 15 | 0 50 | 23 17 | 0 16 | 23 6 | 0 26 | 8 51 | 0 32 | 8 20 | 1 47 | 2 52 | 14 13 | 23 23 | 23 17 | 13 9 | 4 25 | 4 59 |
| S 9 | 18 34 | 24 37 | 1 52 | 24 14 | 2 16 | 25 4 | 1 37 | 7 30 | 0 49 | 23 17 | 0 16 | 23 6 | 0 26 | 8 52 | 0 32 | 8 21 | 1 47 | 2 52 | 14 13 | 23 23 | 23 17 | 13 11 | 4 25 | 4 59 |
| S 10 | 18 49 | 24 10 | 0 37 | 24 29 | 2 19 | 25 9 | 1 39 | 7 45 | 0 49 | 23 17 | 0 15 | 23 6 | 0 26 | 8 54 | 0 32 | 8 21 | 1 47 | 2 51 | 14 13 | 23 23 | 23 18 | 13 14 | 4 25 | 4 58 |
| M11 | 19 4 | 22 12 | 0n38 | 24 43 | 2 21 | 25 12 | 1 41 | 8 1 | 0 49 | 23 17 | 0 15 | 23 6 | 0 26 | 8 55 | 0 32 | 8 22 | 1 47 | 2 51 | 14 12 | 23 23 | 23 18 | 13 16 | 4 26 | 4 58 |
| T 12 | 19 19 | 19 3 | 1 49 | 24 56 | 2 22 | 25 15 | 1 43 | 8 16 | 0 48 | 23 17 | 0 15 | 23 6 | 0 25 | 8 56 | 0 32 | 8 23 | 1 47 | 2 51 | 14 12 | 23 23 | 23 18 | 13 18 | 4 26 | 4 58 |
| W13 | 19 33 | 15 2 | 2 52 | 25 6 | 2 23 | 25 17 | 1 44 | 8 31 | 0 48 | 23 17 | 0 15 | 23 6 | 0 25 | 8 57 | 0 32 | 8 24 | 1 47 | 2 51 | 14 12 | 23 23 | 23 18 | 13 21 | 4 26 | 4 57 |
| T 14 | 19 47 | 10 28 | 3 44 | 25 16 | 2 24 | 25 19 | 1 46 | 8 46 | 0 47 | 23 18 | 0 15 | 23 6 | 0 25 | 8 58 | 0 32 | 8 24 | 1 47 | 2 51 | 14 12 | 23 23 | 23 18 | 13 23 | 4 27 | 4 57 |
| F 15 | 20 0 | 5 36 | 4 25 | 25 24 | 2 24 | 25 19 | 1 47 | 9 1 | 0 47 | 23 18 | 0 15 | 23 6 | 0 25 | 9 0 | 0 32 | 8 25 | 1 47 | 2 50 | 14 12 | 23 23 | 23 19 | 13 25 | 4 27 | 4 57 |
| S 16 | 20 14 | 0 37 | 4 53 | 25 30 | 2 23 | 25 19 | 1 49 | 9 16 | 0 47 | 23 18 | 0 15 | 23 6 | 0 25 | 9 1 | 0 32 | 8 26 | 1 47 | 2 50 | 14 12 | 23 23 | 23 19 | 13 28 | 4 27 | 4 56 |
| S 17 | 20 26 | 4n20 | 5 8 | 25 35 | 2 22 | 25 18 | 1 50 | 9 31 | 0 46 | 23 18 | 0 15 | 23 6 | 0 25 | 9 2 | 0 32 | 8 26 | 1 47 | 2 50 | 14 12 | 23 23 | 23 19 | 13 30 | 4 27 | 4 56 |
| M18 | 20 39 | 9 5 | 5 10 | 25 38 | 2 20 | 25 16 | 1 51 | 9 45 | 0 46 | 23 18 | 0 15 | 23 6 | 0 25 | 9 3 | 0 32 | 8 27 | 1 47 | 2 50 | 14 12 | 23 23 | 23 19 | 13 32 | 4 28 | 4 56 |
| T 19 | 20 51 | 13 31 | 4 59 | 25 40 | 2 18 | 25 14 | 1 52 | 10 0 | 0 45 | 23 18 | 0 14 | 23 6 | 0 25 | 9 4 | 0 32 | 8 28 | 1 47 | 2 50 | 14 12 | 23 24 | 23 19 | 13 35 | 4 28 | 4 55 |
| W20 | 21 3 | 17 26 | 4 34 | 25 40 | 2 14 | 25 10 | 1 53 | 10 15 | 0 45 | 23 18 | 0 14 | 23 6 | 0 25 | 9 5 | 0 32 | 8 28 | 1 47 | 2 49 | 14 11 | 23 24 | 23 20 | 13 37 | 4 28 | 4 55 |
| T 21 | 21 14 | 20 41 | 3 57 | 25 39 | 2 10 | 25 6 | 1 55 | 10 29 | 0 45 | 23 18 | 0 14 | 23 6 | 0 25 | 9 7 | 0 32 | 8 29 | 1 47 | 2 49 | 14 11 | 23 24 | 23 20 | 13 39 | 4 28 | 4 55 |
| F 22 | 21 25 | 23 3 | 3 10 | 25 35 | 2 5 | 25 2 | 1 55 | 10 44 | 0 44 | 23 18 | 0 14 | 23 6 | 0 24 | 9 8 | 0 32 | 8 30 | 1 47 | 2 49 | 14 11 | 23 25 | 23 20 | 13 42 | 4 28 | 4 54 |
| S 23 | 21 35 | 24 23 | 2 13 | 25 31 | 1 59 | 24 56 | 1 56 | 10 58 | 0 44 | 23 18 | 0 14 | 23 6 | 0 24 | 9 9 | 0 32 | 8 30 | 1 47 | 2 49 | 14 11 | 23 25 | 23 20 | 13 44 | 4 28 | 4 54 |
| S 24 | 21 45 | 24 32 | 1 9 | 25 24 | 1 52 | 24 50 | 1 57 | 11 13 | 0 43 | 23 18 | 0 14 | 23 6 | 0 24 | 9 10 | 0 32 | 8 31 | 1 48 | 2 49 | 14 11 | 23 25 | 23 20 | 13 46 | 4 28 | 4 54 |
| M25 | 21 55 | 23 26 | 0 1 | 25 16 | 1 43 | 24 43 | 1 58 | 11 27 | 0 43 | 23 18 | 0 14 | 23 6 | 0 24 | 9 11 | 0 32 | 8 31 | 1 48 | 2 49 | 14 11 | 23 25 | 23 20 | 13 48 | 4 28 | 4 53 |
| T 26 | 22 4 | 21 7 | 1s 9 | 25 7 | 1 34 | 24 35 | 1 59 | 11 41 | 0 42 | 23 18 | 0 14 | 23 6 | 0 24 | 9 12 | 0 33 | 8 32 | 1 48 | 2 48 | 14 11 | 23 25 | 23 21 | 13 51 | 4 28 | 4 53 |
| W27 | 22 13 | 17 42 | 2 16 | 24 56 | 1 23 | 24 26 | 1 59 | 11 55 | 0 42 | 23 18 | 0 13 | 23 6 | 0 24 | 9 13 | 0 33 | 8 33 | 1 48 | 2 48 | 14 10 | 23 25 | 23 21 | 13 53 | 4 28 | 4 53 |
| T 28 | 22 21 | 13 20 | 3 17 | 24 44 | 1 11 | 24 17 | 2 0 | 12 9 | 0 42 | 23 18 | 0 13 | 23 5 | 0 24 | 9 14 | 0 33 | 8 33 | 1 48 | 2 48 | 14 10 | 23 25 | 23 21 | 13 55 | 4 28 | 4 52 |
| F 29 | 22 29 | 8 16 | 4 9 | 24 31 | 0 58 | 24 7 | 2 0 | 12 23 | 0 41 | 23 17 | 0 13 | 23 5 | 0 24 | 9 15 | 0 33 | 8 34 | 1 48 | 2 48 | 14 10 | 23 25 | 23 21 | 13 58 | 4 28 | 4 52 |
| S 30 | 22s36 | 2n41 | 4s48 | 24s16 | 0s44 | 23s57 | 2s 0 | 12s37 | 0n41 | 23n17 | 0s13 | 23s 5 | 0n24 | 9s16 | 0n33 | 8s34 | 1n48 | 2n48 | 14s10 | 23s25 | 23s21 | 14n 0 | 4s28 | 4n52 |

Julian Day Number = 2135920.5, Delta T = 15m56s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'32, Lahiri = 11°48'32 Julian Calendar 1 Nov. 1135 == Greg. Calendar 8 Nov. 1135


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# ASTRODIENST EPHEMERIS for the year 1135
# geocentric

## DECEMBER 1135 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 2 27 | 15♐10'45 | 25♍57 | 1°R58 | 21♉49 | 5♏42 | 26°R26 | 4♉22 | 25♎11 | 26♎27 | 14°R50 | 6°R 6 | 7♉ 7 | 24♈19 | 7♓ 1 | S 1 |
| M 2 | 5 6 24 | 16°11'55 | 10♎14 | 1♉49 | 23° 2 | 6°22 | 26♊18 | 4°29 | 25°14 | 26°29 | 14♉49 | 6♉ 5 | 7° 4 | 24°26 | 7° 2 | M 2 |
| T 3 | 5 10 20 | 17°13'05 | 24°46 | 1°28 | 24°15 | 7° 2 | 26°10 | 4°35 | 25°17 | 26°31 | 14°48 | 6° 2 | 7° 1 | 24°33 | 7° 3 | T 3 |
| W 4 | 5 14 17 | 18°14'17 | 9♏27 | 0°55 | 25°28 | 7°42 | 26° 2 | 4°42 | 25°19 | 26°32 | 14°47 | 6° 0 | 6°58 | 24°40 | 7° 4 | W 4 |
| T 5 | 5 18 13 | 19°15'29 | 24°11 | 0°11 | 26°41 | 8°22 | 25°54 | 4°49 | 25°22 | 26°34 | 14°46 | 5°58 | 6°54 | 24°46 | 7° 6 | T 5 |
| F 6 | 5 22 10 | 20°16'41 | 8♐52 | 29♐16 | 27°54 | 9° 2 | 25°46 | 4°56 | 25°25 | 26°35 | 14°45 | 5°56 | 6°51 | 24°53 | 7° 7 | F 6 |
| S 7 | 5 26 6 | 21°17'54 | 23°22 | 28°11 | 29° 6 | 9°42 | 25°38 | 5° 3 | 25°27 | 26°37 | 14°44 | 5°55 | 6°48 | 25° 0 | 7° 9 | S 7 |
| S 8 | 5 30 3 | 22°19'07 | 7♉35 | 26°59 | 0♒19 | 10°23 | 25°30 | 5°10 | 25°30 | 26°38 | 14°43 | 5°D54 | 6°45 | 25° 6 | 7°10 | S 8 |
| M 9 | 5 34 0 | 23°20'20 | 21°27 | 25°40 | 1°32 | 11° 3 | 25°22 | 5°17 | 25°32 | 26°40 | 14°43 | 5°55 | 6°42 | 25°13 | 7°12 | M 9 |
| T 10 | 5 37 56 | 24°21'33 | 4♒55 | 24°19 | 2°44 | 11°43 | 25°14 | 5°24 | 25°34 | 26°41 | 14°42 | 5°56 | 6°39 | 25°20 | 7°13 | T 10 |
| W11 | 5 41 53 | 25°22'46 | 17°59 | 22°57 | 3°57 | 12°23 | 25° 6 | 5°31 | 25°37 | 26°42 | 14°41 | 5°57 | 6°35 | 25°27 | 7°15 | W11 |
| T 12 | 5 45 49 | 26°23'59 | 0♓41 | 21°38 | 5° 9 | 13° 4 | 24°57 | 5°38 | 25°39 | 26°44 | 14°40 | 5°58 | 6°32 | 25°33 | 7°16 | T 12 |
| F 13 | 5 49 46 | 27°25'12 | 13° 5 | 20°23 | 6°22 | 13°44 | 24°49 | 5°45 | 25°41 | 26°45 | 14°39 | 5°58 | 6°29 | 25°40 | 7°18 | F 13 |
| S 14 | 5 53 42 | 28°26'24 | 25°13 | 19°15 | 7°34 | 14°24 | 24°41 | 5°52 | 25°44 | 26°46 | 14°38 | 5°R59 | 6°26 | 25°47 | 7°20 | S 14 |
| S 15 | 5 57 39 | 29°27'36 | 7♈12 | 18°15 | 8°46 | 15° 5 | 24°33 | 5°59 | 25°46 | 26°48 | 14°38 | 5°59 | 6°23 | 25°53 | 7°22 | S 15 |
| M16 | 6 1 35 | 0♉28'48 | 19° 4 | 17°25 | 9°59 | 15°45 | 24°25 | 6° 7 | 25°48 | 26°49 | 14°37 | 5°58 | 6°20 | 26° 0 | 7°24 | M16 |
| T 17 | 6 5 32 | 1°30'00 | 0♉56 | 16°45 | 11°11 | 16°25 | 24°17 | 6°14 | 25°50 | 26°50 | 14°36 | 5°58 | 6°16 | 26° 7 | 7°26 | T 17 |
| W18 | 6 9 29 | 2°31'11 | 12°51 | 16°15 | 12°23 | 17° 6 | 24° 9 | 6°21 | 25°52 | 26°51 | 14°36 | 5°57 | 6°13 | 26°14 | 7°28 | W18 |
| T 19 | 6 13 25 | 3°32'22 | 24°53 | 15°55 | 13°35 | 17°46 | 24° 1 | 6°28 | 25°54 | 26°53 | 14°35 | 5°57 | 6°10 | 26°20 | 7°30 | T 19 |
| F 20 | 6 17 22 | 4°33'32 | 7♊ 6 | 15°44 | 14°47 | 18°26 | 23°53 | 6°35 | 25°56 | 26°54 | 14°34 | 5°57 | 6° 7 | 26°27 | 7°32 | F 20 |
| S 21 | 6 21 18 | 5°34'42 | 19°30 | 15°D43 | 15°58 | 19° 7 | 23°45 | 6°42 | 25°58 | 26°55 | 14°33 | 5°D57 | 6° 4 | 26°34 | 7°34 | S 21 |
| S 22 | 6 25 15 | 6°35'52 | 2♋ 9 | 15°51 | 17°10 | 19°47 | 23°38 | 6°49 | 26° 0 | 26°56 | 14°33 | 5°R57 | 6° 0 | 26°40 | 7°36 | S 22 |
| M23 | 6 29 11 | 7°37'02 | 15° 2 | 16° 6 | 18°22 | 20°28 | 23°30 | 6°56 | 26° 1 | 26°57 | 14°32 | 5°57 | 5°57 | 26°47 | 7°38 | M23 |
| T 24 | 6 33 8 | 8°38'11 | 28° 9 | 16°29 | 19°33 | 21° 8 | 23°22 | 7° 3 | 26° 3 | 26°58 | 14°32 | 5°56 | 5°54 | 26°54 | 7°41 | T 24 |
| W25 | 6 37 4 | 9°39'20 | 11♌30 | 16°58 | 20°44 | 21°49 | 23°15 | 7°11 | 26° 5 | 26°59 | 14°31 | 5°56 | 5°51 | 27° 1 | 7°43 | W25 |
| T 26 | 6 41 1 | 10°40'28 | 25° 4 | 17°33 | 21°56 | 22°29 | 23° 7 | 7°18 | 26° 6 | 27° 0 | 14°30 | 5°56 | 5°48 | 27° 7 | 7°45 | T 26 |
| F 27 | 6 44 58 | 11°41'36 | 8♍50 | 18°13 | 23° 7 | 23°10 | 23° 0 | 7°25 | 26° 8 | 27° 1 | 14°30 | 5°55 | 5°45 | 27°14 | 7°48 | F 27 |
| S 28 | 6 48 54 | 12°42'44 | 22°45 | 18°59 | 24°18 | 23°50 | 22°53 | 7°32 | 26°10 | 27° 1 | 14°29 | 5°54 | 5°41 | 27°21 | 7°50 | S 28 |
| S 29 | 6 52 51 | 13°43'51 | 6♎48 | 19°48 | 25°29 | 24°31 | 22°46 | 7°39 | 26°11 | 27° 2 | 14°29 | 5°54 | 5°38 | 27°27 | 7°53 | S 29 |
| M30 | 6 56 47 | 14°44'59 | 20°57 | 20°42 | 26°40 | 25°11 | 22°38 | 7°46 | 26°12 | 27° 3 | 14°28 | 5°D54 | 5°35 | 27°34 | 7°55 | M30 |
| T 31 | 7 0 44 | 15♉46'06 | 5♏11 | 21♐38 | 27♒50 | 25♏52 | 22♊32 | 7♉53 | 26♎14 | 27♎ 4 | 14♉28 | 5♉54 | 5♉32 | 27♈41 | 7♓58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s43 | 3s 7 | 5s10 | 24s 0 | 0s28 | 23s45 | 2s 0 | 12s51 | 0n40 | 23n17 | 0s13 | 23s 5 | 0n24 | 9s17 | 0n33 | 8s35 | 1n48 | 2n48 | 14s10 | 23s25 | 23s22 | 14n 2 | 4s28 | 4n51 |
| M 2 | 22 50 | 8 53 | 5 14 | 23 43 | 0 11 | 23 33 | 2 1 | 13 5 | 0 40 | 23 17 | 0 13 | 23 5 | 0 24 | 9 18 | 0 33 | 8 35 | 1 48 | 2 48 | 14 10 | 23 25 | 23 22 | 14 4 | 4 28 | 4 51 |
| T 3 | 22 56 | 14 15 | 4 59 | 23 25 | 0n 8 | 23 21 | 2 1 | 13 18 | 0 39 | 23 17 | 0 13 | 23 5 | 0 24 | 9 19 | 0 33 | 8 36 | 1 48 | 2 48 | 14 9 | 23 25 | 23 22 | 14 7 | 4 28 | 4 51 |
| W 4 | 23 2 | 18 52 | 4 23 | 23 6 | 0 27 | 23 7 | 2 1 | 13 32 | 0 39 | 23 17 | 0 12 | 23 5 | 0 23 | 9 20 | 0 33 | 8 36 | 1 48 | 2 48 | 14 9 | 23 25 | 23 22 | 14 9 | 4 27 | 4 51 |
| T 5 | 23 7 | 22 18 | 3 31 | 22 47 | 0 46 | 22 53 | 2 0 | 13 45 | 0 38 | 23 17 | 0 12 | 23 4 | 0 23 | 9 21 | 0 33 | 8 37 | 1 48 | 2 48 | 14 9 | 23 25 | 23 22 | 14 11 | 4 27 | 4 50 |
| F 6 | 23 12 | 24 15 | 2 24 | 22 26 | 1 6 | 22 39 | 2 0 | 13 59 | 0 38 | 23 17 | 0 12 | 23 4 | 0 23 | 9 22 | 0 33 | 8 37 | 1 48 | 2 48 | 14 9 | 23 25 | 23 22 | 14 13 | 4 27 | 4 50 |
| S 7 | 23 16 | 24 32 | 1 9 | 22 6 | 1 26 | 22 23 | 2 0 | 14 12 | 0 37 | 23 17 | 0 12 | 23 4 | 0 23 | 9 23 | 0 33 | 8 38 | 1 48 | 2 48 | 14 9 | 23 25 | 23 23 | 14 16 | 4 27 | 4 50 |
| S 8 | 23 20 | 23 11 | 0n 9 | 21 45 | 1 46 | 22 7 | 1 59 | 14 25 | 0 37 | 23 17 | 0 12 | 23 4 | 0 23 | 9 24 | 0 33 | 8 38 | 1 48 | 2 48 | 14 8 | 23 25 | 23 23 | 14 18 | 4 27 | 4 49 |
| M 9 | 23 23 | 20 26 | 1 25 | 21 25 | 2 4 | 21 51 | 1 59 | 14 38 | 0 36 | 23 16 | 0 12 | 23 4 | 0 23 | 9 25 | 0 33 | 8 39 | 1 48 | 2 47 | 14 8 | 23 25 | 23 23 | 14 20 | 4 26 | 4 49 |
| T 10 | 23 26 | 16 38 | 2 34 | 21 6 | 2 20 | 21 33 | 1 58 | 14 51 | 0 36 | 23 16 | 0 12 | 23 3 | 0 23 | 9 25 | 0 33 | 8 39 | 1 48 | 2 47 | 14 8 | 23 25 | 23 23 | 14 22 | 4 26 | 4 49 |
| W11 | 23 28 | 12 8 | 3 33 | 20 47 | 2 35 | 21 16 | 1 58 | 15 4 | 0 35 | 23 16 | 0 11 | 23 3 | 0 23 | 9 26 | 0 33 | 8 40 | 1 48 | 2 47 | 14 8 | 23 25 | 23 23 | 14 25 | 4 26 | 4 48 |
| T 12 | 23 30 | 7 14 | 4 19 | 20 30 | 2 47 | 20 57 | 1 57 | 15 17 | 0 35 | 23 16 | 0 11 | 23 3 | 0 23 | 9 27 | 0 33 | 8 40 | 1 48 | 2 47 | 14 8 | 23 25 | 23 23 | 14 27 | 4 25 | 4 48 |
| F 13 | 23 32 | 2 11 | 4 52 | 20 15 | 2 57 | 20 38 | 1 56 | 15 30 | 0 34 | 23 16 | 0 11 | 23 3 | 0 23 | 9 28 | 0 33 | 8 41 | 1 48 | 2 47 | 14 7 | 23 25 | 23 24 | 14 29 | 4 25 | 4 48 |
| S 14 | 23 33 | 2n51 | 5 11 | 20 3 | 3 5 | 20 19 | 1 55 | 15 42 | 0 34 | 23 16 | 0 11 | 23 3 | 0 23 | 9 29 | 0 33 | 8 41 | 1 48 | 2 47 | 14 7 | 23 25 | 23 24 | 14 31 | 4 25 | 4 47 |
| S 15 | 23 33 | 7 43 | 5 17 | 19 53 | 3 10 | 19 59 | 1 54 | 15 54 | 0 33 | 23 15 | 0 11 | 23 2 | 0 23 | 9 30 | 0 33 | 8 41 | 1 49 | 2 47 | 14 7 | 23 25 | 23 24 | 14 34 | 4 24 | 4 47 |
| M16 | 23 33 | 12 15 | 5 9 | 19 45 | 3 13 | 19 38 | 1 53 | 16 7 | 0 33 | 23 15 | 0 11 | 23 2 | 0 23 | 9 30 | 0 33 | 8 42 | 1 49 | 2 47 | 14 7 | 23 25 | 23 24 | 14 36 | 4 24 | 4 47 |
| T 17 | 23 33 | 16 20 | 4 48 | 19 41 | 3 13 | 19 17 | 1 51 | 16 19 | 0 32 | 23 15 | 0 11 | 23 2 | 0 22 | 9 31 | 0 33 | 8 42 | 1 49 | 2 48 | 14 6 | 23 25 | 23 24 | 14 38 | 4 23 | 4 47 |
| W18 | 23 32 | 19 48 | 4 14 | 19 39 | 3 12 | 18 55 | 1 50 | 16 31 | 0 31 | 23 15 | 0 10 | 23 2 | 0 22 | 9 32 | 0 33 | 8 43 | 1 49 | 2 48 | 14 6 | 23 25 | 23 24 | 14 40 | 4 23 | 4 46 |
| T 19 | 23 30 | 22 27 | 3 29 | 19 40 | 3 9 | 18 33 | 1 48 | 16 43 | 0 31 | 23 15 | 0 10 | 23 1 | 0 22 | 9 32 | 0 33 | 8 43 | 1 49 | 2 48 | 14 6 | 23 25 | 23 24 | 14 42 | 4 22 | 4 46 |
| F 20 | 23 28 | 24 7 | 2 33 | 19 43 | 3 5 | 18 11 | 1 47 | 16 55 | 0 30 | 23 14 | 0 10 | 23 1 | 0 22 | 9 33 | 0 33 | 8 43 | 1 49 | 2 48 | 14 6 | 23 25 | 23 25 | 14 45 | 4 22 | 4 46 |
| S 21 | 23 26 | 24 38 | 1 30 | 19 48 | 3 0 | 17 48 | 1 45 | 17 6 | 0 30 | 23 14 | 0 10 | 23 1 | 0 22 | 9 34 | 0 33 | 8 44 | 1 49 | 2 48 | 14 5 | 23 25 | 23 25 | 14 47 | 4 21 | 4 45 |
| S 22 | 23 23 | 23 53 | 0 21 | 19 55 | 2 53 | 17 24 | 1 43 | 17 18 | 0 29 | 23 14 | 0 10 | 23 0 | 0 22 | 9 34 | 0 33 | 8 44 | 1 49 | 2 48 | 14 5 | 23 25 | 23 25 | 14 49 | 4 21 | 4 45 |
| M23 | 23 20 | 21 52 | 0s50 | 20 4 | 2 46 | 17 0 | 1 41 | 17 29 | 0 28 | 23 14 | 0 10 | 23 0 | 0 22 | 9 35 | 0 33 | 8 44 | 1 49 | 2 48 | 14 5 | 23 25 | 23 25 | 14 51 | 4 20 | 4 45 |
| T 24 | 23 16 | 18 40 | 2 0 | 20 14 | 2 38 | 16 36 | 1 39 | 17 41 | 0 28 | 23 14 | 0 9 | 23 0 | 0 22 | 9 36 | 0 33 | 8 45 | 1 49 | 2 48 | 14 5 | 23 25 | 23 25 | 14 53 | 4 20 | 4 45 |
| W25 | 23 12 | 14 27 | 3 5 | 20 25 | 2 30 | 16 11 | 1 37 | 17 52 | 0 27 | 23 13 | 0 9 | 23 0 | 0 22 | 9 36 | 0 33 | 8 45 | 1 49 | 2 48 | 14 4 | 23 25 | 23 25 | 14 55 | 4 19 | 4 44 |
| T 26 | 23 7 | 9 27 | 4 0 | 20 37 | 2 21 | 15 46 | 1 35 | 18 3 | 0 27 | 23 13 | 0 9 | 22 59 | 0 22 | 9 37 | 0 33 | 8 45 | 1 49 | 2 48 | 14 4 | 23 25 | 23 25 | 14 58 | 4 18 | 4 44 |
| F 27 | 23 2 | 3 56 | 4 42 | 20 50 | 2 12 | 15 20 | 1 33 | 18 14 | 0 26 | 23 13 | 0 9 | 22 59 | 0 22 | 9 37 | 0 33 | 8 45 | 1 49 | 2 48 | 14 4 | 23 25 | 23 26 | 15 0 | 4 18 | 4 44 |
| S 28 | 22 56 | 1s50 | 5 9 | 21 3 | 2 3 | 14 54 | 1 30 | 18 25 | 0 25 | 23 13 | 0 9 | 22 59 | 0 22 | 9 38 | 0 33 | 8 46 | 1 49 | 2 48 | 14 3 | 23 25 | 23 26 | 15 2 | 4 17 | 4 43 |
| S 29 | 22 50 | 7 33 | 5 17 | 21 16 | 1 54 | 14 28 | 1 28 | 18 35 | 0 25 | 23 12 | 0 9 | 22 58 | 0 22 | 9 38 | 0 33 | 8 46 | 1 49 | 2 49 | 14 3 | 23 25 | 23 26 | 15 4 | 4 16 | 4 43 |
| M30 | 22 44 | 12 56 | 5 6 | 21 29 | 1 44 | 14 1 | 1 25 | 18 46 | 0 24 | 23 12 | 0 9 | 22 58 | 0 22 | 9 39 | 0 33 | 8 46 | 1 49 | 2 49 | 14 3 | 23 25 | 23 26 | 15 6 | 4 16 | 4 43 |
| T 31 | 22s37 | 17s39 | 4s37 | 21s43 | 1n35 | 13s34 | 1s23 | 18s56 | 0n24 | 23n12 | 0s 8 | 22s58 | 0n21 | 9s39 | 0n33 | 8s46 | 1n49 | 2n49 | 14s 3 | 23s25 | 23s26 | 15n 8 | 4s15 | 4n43 |

Julian Day Number = 2135950.5, Delta T = 15m56s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'36, Lahiri = 11°48'37 Julian Calendar 1 Dec. 1135 == Greg. Calendar 8 Dec. 1135


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## JANUARY 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 4 40 | 16♉47'13 | 19♏27 | 22♐39 | 29♒ 1 | 26♏33 | 22°R25 | 8♉ 0 | 26♎15 | 27♎ 5 | 14°R27 | 5♉55 | 5♉29 | 27♈48 | 8♓ 1 | W 1 |
| T 2 | 7 8 37 | 17°48'19 | 3♐42 | 23°41 | 0♓12 | 27°13 | 22♊18 | 8° 7 | 26°16 | 27° 5 | 14♉27 | 5°56 | 5°26 | 27°54 | 8° 3 | T 2 |
| F 3 | 7 12 34 | 18°49'25 | 17°52 | 24°47 | 1°22 | 27°54 | 22°11 | 8°14 | 26°18 | 27° 6 | 14°27 | 5°57 | 5°22 | 28° 1 | 8° 6 | F 3 |
| S 4 | 7 16 30 | 19°50'30 | 1♉55 | 25°55 | 2°32 | 28°35 | 22° 5 | 8°21 | 26°19 | 27° 7 | 14°26 | 5°R58 | 5°19 | 28° 8 | 8° 9 | S 4 |
| S 5 | 7 20 27 | 20°51'35 | 15°46 | 27° 5 | 3°42 | 29°16 | 21°59 | 8°28 | 26°20 | 27° 7 | 14°26 | 5°57 | 5°16 | 28°14 | 8°11 | S 5 |
| M 6 | 7 24 23 | 21°52'38 | 29°23 | 28°17 | 4°52 | 29°56 | 21°52 | 8°35 | 26°21 | 27° 8 | 14°25 | 5°56 | 5°13 | 28°21 | 8°14 | M 6 |
| T 7 | 7 28 20 | 22°53'41 | 12♒42 | 29°30 | 6° 2 | 0♐37 | 21°46 | 8°42 | 26°22 | 27° 8 | 14°25 | 5°55 | 5°10 | 28°28 | 8°17 | T 7 |
| W 8 | 7 32 16 | 23°54'43 | 25°43 | 0♉45 | 7°12 | 1°18 | 21°41 | 8°49 | 26°23 | 27° 9 | 14°25 | 5°52 | 5° 6 | 28°35 | 8°20 | W 8 |
| T 9 | 7 36 13 | 24°55'43 | 8♓25 | 2° 2 | 8°21 | 1°59 | 21°35 | 8°56 | 26°24 | 27° 9 | 14°24 | 5°49 | 5° 3 | 28°41 | 8°23 | T 9 |
| F 10 | 7 40 9 | 25°56'43 | 20°50 | 3°20 | 9°31 | 2°39 | 21°29 | 9° 3 | 26°25 | 27°10 | 14°24 | 5°46 | 5° 0 | 28°48 | 8°26 | F 10 |
| S 11 | 7 44 6 | 26°57'41 | 3♈ 1 | 4°40 | 10°40 | 3°20 | 21°24 | 9°10 | 26°25 | 27°10 | 14°24 | 5°43 | 4°57 | 28°55 | 8°29 | S 11 |
| S 12 | 7 48 3 | 27°58'37 | 15° 0 | 6° 1 | 11°49 | 4° 1 | 21°19 | 9°17 | 26°26 | 27°11 | 14°24 | 5°42 | 4°54 | 29° 1 | 8°32 | S 12 |
| M13 | 7 51 59 | 28°59'33 | 26°54 | 7°22 | 12°58 | 4°42 | 21°14 | 9°24 | 26°27 | 27°11 | 14°23 | 5°D41 | 4°51 | 29° 8 | 8°35 | M13 |
| T 14 | 7 55 56 | 0♒ 0'27 | 8♉45 | 8°45 | 14° 7 | 5°23 | 21° 9 | 9°31 | 26°27 | 27°11 | 14°23 | 5°41 | 4°47 | 29°15 | 8°38 | T 14 |
| W15 | 7 59 52 | 1° 1'19 | 20°40 | 10° 9 | 15°15 | 6° 3 | 21° 4 | 9°37 | 26°28 | 27°11 | 14°23 | 5°42 | 4°44 | 29°22 | 8°41 | W15 |
| T 16 | 8 3 49 | 2° 2'11 | 2♊43 | 11°34 | 16°24 | 6°44 | 20°59 | 9°44 | 26°29 | 27°12 | 14°23 | 5°44 | 4°41 | 29°28 | 8°44 | T 16 |
| F 17 | 8 7 45 | 3° 3'01 | 14°58 | 13° 0 | 17°32 | 7°25 | 20°55 | 9°51 | 26°29 | 27°12 | 14°23 | 5°46 | 4°38 | 29°35 | 8°48 | F 17 |
| S 18 | 8 11 42 | 4° 3'49 | 27°29 | 14°27 | 18°40 | 8° 6 | 20°51 | 9°58 | 26°29 | 27°12 | 14°23 | 5°47 | 4°35 | 29°42 | 8°51 | S 18 |
| S 19 | 8 15 38 | 5° 4'36 | 10♋19 | 15°55 | 19°48 | 8°47 | 20°47 | 10° 4 | 26°30 | 27°12 | 14°23 | 5°R47 | 4°32 | 29°48 | 8°54 | S 19 |
| M20 | 8 19 35 | 6° 5'22 | 23°29 | 17°24 | 20°55 | 9°28 | 20°43 | 10°11 | 26°30 | 27°12 | 14°23 | 5°46 | 4°28 | 29°55 | 8°57 | M20 |
| T 21 | 8 23 32 | 7° 6'06 | 7♌ 0 | 18°53 | 22° 2 | 10° 9 | 20°39 | 10°18 | 26°30 | 27°12 | 14°23 | 5°43 | 4°25 | 0♋ 2 | 9° 1 | T 21 |
| W22 | 8 27 28 | 8° 6'48 | 20°49 | 20°24 | 23°10 | 10°50 | 20°36 | 10°24 | 26°30 | 27°R12 | 14°D23 | 5°39 | 4°22 | 0° 9 | 9° 4 | W22 |
| T 23 | 8 31 25 | 9° 7'30 | 4♍52 | 21°55 | 24°16 | 11°31 | 20°33 | 10°31 | 26°31 | 27°12 | 14°23 | 5°34 | 4°19 | 0°15 | 9° 7 | T 23 |
| F 24 | 8 35 21 | 10° 8'10 | 19° 6 | 23°27 | 25°23 | 12°12 | 20°30 | 10°37 | 26°31 | 27°12 | 14°23 | 5°28 | 4°16 | 0°22 | 9°11 | F 24 |
| S 25 | 8 39 18 | 11° 8'48 | 3♎25 | 25° 0 | 26°30 | 12°53 | 20°27 | 10°44 | 26°R31 | 27°12 | 14°23 | 5°23 | 4°12 | 0°29 | 9°14 | S 25 |
| S 26 | 8 43 14 | 12° 9'26 | 17°44 | 26°34 | 27°36 | 13°34 | 20°24 | 10°50 | 26°31 | 27°12 | 14°23 | 5°19 | 4° 9 | 0°35 | 9°18 | S 26 |
| M27 | 8 47 11 | 13°10'02 | 2♏ 0 | 28° 9 | 28°42 | 14°15 | 20°21 | 10°56 | 26°30 | 27°12 | 14°23 | 5°17 | 4° 6 | 0°42 | 9°21 | M27 |
| T 28 | 8 51 7 | 14°10'37 | 16°11 | 29°45 | 29°47 | 14°56 | 20°19 | 11° 3 | 26°30 | 27°12 | 14°23 | 5°D17 | 4° 3 | 0°49 | 9°25 | T 28 |
| W29 | 8 55 4 | 15°11'11 | 0♐13 | 1♒21 | 0♈53 | 15°37 | 20°17 | 11° 9 | 26°30 | 27°12 | 14°23 | 5°17 | 4° 0 | 0°56 | 9°28 | W29 |
| T 30 | 8 59 1 | 16°11'44 | 14° 6 | 2°58 | 1°58 | 16°18 | 20°15 | 11°15 | 26°30 | 27°11 | 14°23 | 5°19 | 3°57 | 1° 2 | 9°32 | T 30 |
| F 31 | 9 2 57 | 17♒12'15 | 27♐51 | 4♒37 | 3♈ 3 | 16♐59 | 20♊13 | 11♉22 | 26♎29 | 27♎11 | 14♉23 | 5♉20 | 3♉53 | 1♋ 9 | 9♓35 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s29 | 21s22 | 3s50 | 21s56 | 1n25 | 13s 7 | 1s20 | 19s 6 | 0n23 | 23n12 | 0s 8 | 22s57 | 0n21 | 9s40 | 0n33 | 8s47 | 1n50 | 2n49 | 14s 2 | 23s25 | 23s26 | 15n11 | 4s14 | 4n42 |
| T 2 | 22 22 | 23 46 | 2 49 | 22 8 | 1 16 | 12 39 | 1 17 | 19 16 | 0 22 | 23 12 | 0 8 | 22 57 | 0 21 | 9 40 | 0 33 | 8 47 | 1 50 | 2 49 | 14 2 | 23 25 | 23 26 | 15 13 | 4 14 | 4 42 |
| F 3 | 22 13 | 24 38 | 1 38 | 22 21 | 1 6 | 12 11 | 1 14 | 19 26 | 0 22 | 23 11 | 0 8 | 22 56 | 0 21 | 9 41 | 0 33 | 8 47 | 1 50 | 2 49 | 14 2 | 23 25 | 23 27 | 15 15 | 4 13 | 4 42 |
| S 4 | 22 5 | 23 55 | 0 22 | 22 32 | 0 57 | 11 43 | 1 11 | 19 36 | 0 21 | 23 11 | 0 8 | 22 56 | 0 21 | 9 41 | 0 33 | 8 47 | 1 50 | 2 49 | 14 1 | 23 25 | 23 27 | 15 17 | 4 12 | 4 42 |
| S 5 | 21 55 | 21 43 | 0n54 | 22 43 | 0 48 | 11 15 | 1 8 | 19 45 | 0 20 | 23 11 | 0 8 | 22 56 | 0 21 | 9 42 | 0 33 | 8 47 | 1 50 | 2 50 | 14 1 | 23 25 | 23 27 | 15 19 | 4 11 | 4 41 |
| M 6 | 21 46 | 18 19 | 2 6 | 22 54 | 0 39 | 10 46 | 1 4 | 19 55 | 0 20 | 23 11 | 0 7 | 22 55 | 0 21 | 9 42 | 0 33 | 8 47 | 1 50 | 2 50 | 14 1 | 23 25 | 23 27 | 15 21 | 4 10 | 4 41 |
| T 7 | 21 36 | 14 3 | 3 9 | 23 3 | 0 30 | 10 17 | 1 1 | 20 4 | 0 19 | 23 10 | 0 7 | 22 55 | 0 21 | 9 42 | 0 33 | 8 48 | 1 50 | 2 50 | 14 1 | 23 25 | 23 27 | 15 23 | 4 9 | 4 41 |
| W 8 | 21 25 | 9 14 | 4 1 | 23 12 | 0 21 | 9 48 | 0 58 | 20 13 | 0 18 | 23 10 | 0 7 | 22 54 | 0 21 | 9 43 | 0 33 | 8 48 | 1 50 | 2 50 | 14 0 | 23 25 | 23 27 | 15 25 | 4 9 | 4 41 |
| T 9 | 21 15 | 4 8 | 4 40 | 23 20 | 0 12 | 9 19 | 0 54 | 20 22 | 0 17 | 23 10 | 0 7 | 22 54 | 0 21 | 9 43 | 0 33 | 8 48 | 1 50 | 2 50 | 14 0 | 23 25 | 23 27 | 15 27 | 4 8 | 4 40 |
| F 10 | 21 3 | 1n 1 | 5 4 | 23 27 | 0 4 | 8 49 | 0 50 | 20 31 | 0 17 | 23 10 | 0 7 | 22 54 | 0 21 | 9 43 | 0 33 | 8 48 | 1 50 | 2 51 | 14 0 | 23 26 | 23 27 | 15 30 | 4 7 | 4 40 |
| S 11 | 20 52 | 6 0 | 5 14 | 23 33 | 0s 4 | 8 19 | 0 47 | 20 40 | 0 16 | 23 10 | 0 7 | 22 53 | 0 21 | 9 43 | 0 33 | 8 48 | 1 50 | 2 51 | 13 59 | 23 26 | 23 28 | 15 32 | 4 6 | 4 40 |
| S 12 | 20 40 | 10 42 | 5 11 | 23 37 | 0 12 | 7 49 | 0 43 | 20 48 | 0 15 | 23 9 | 0 7 | 22 53 | 0 21 | 9 44 | 0 33 | 8 48 | 1 50 | 2 51 | 13 59 | 23 26 | 23 28 | 15 34 | 4 5 | 4 40 |
| M13 | 20 27 | 14 58 | 4 54 | 23 41 | 0 20 | 7 19 | 0 39 | 20 56 | 0 15 | 23 9 | 0 6 | 22 52 | 0 21 | 9 44 | 0 33 | 8 48 | 1 50 | 2 51 | 13 59 | 23 26 | 23 28 | 15 36 | 4 4 | 4 40 |
| T 14 | 20 15 | 18 39 | 4 24 | 23 44 | 0 28 | 6 49 | 0 35 | 21 4 | 0 14 | 23 9 | 0 6 | 22 52 | 0 21 | 9 44 | 0 34 | 8 48 | 1 50 | 2 52 | 13 58 | 23 26 | 23 28 | 15 38 | 4 3 | 4 39 |
| W15 | 20 1 | 21 35 | 3 43 | 23 45 | 0 35 | 6 19 | 0 31 | 21 12 | 0 13 | 23 9 | 0 6 | 22 52 | 0 21 | 9 44 | 0 34 | 8 48 | 1 50 | 2 52 | 13 58 | 23 26 | 23 28 | 15 40 | 4 2 | 4 39 |
| T 16 | 19 48 | 23 36 | 2 52 | 23 45 | 0 43 | 5 48 | 0 27 | 21 20 | 0 12 | 23 9 | 0 6 | 22 51 | 0 20 | 9 44 | 0 34 | 8 48 | 1 51 | 2 52 | 13 58 | 23 26 | 23 28 | 15 42 | 4 1 | 4 39 |
| F 17 | 19 34 | 24 33 | 1 52 | 23 44 | 0 49 | 5 17 | 0 22 | 21 28 | 0 12 | 23 9 | 0 6 | 22 51 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 52 | 13 57 | 23 26 | 23 28 | 15 44 | 4 0 | 4 39 |
| S 18 | 19 20 | 24 17 | 0 45 | 23 42 | 0 56 | 4 47 | 0 18 | 21 35 | 0 11 | 23 8 | 0 6 | 22 50 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 53 | 13 57 | 23 25 | 23 28 | 15 46 | 3 59 | 4 39 |
| S 19 | 19 5 | 22 44 | 0s25 | 23 38 | 1 3 | 4 16 | 0 13 | 21 42 | 0 10 | 23 8 | 0 5 | 22 50 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 53 | 13 57 | 23 25 | 23 28 | 15 48 | 3 58 | 4 38 |
| M20 | 18 50 | 19 56 | 1 35 | 23 33 | 1 9 | 3 45 | 0 9 | 21 49 | 0 9 | 23 8 | 0 5 | 22 49 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 53 | 13 56 | 23 26 | 23 29 | 15 50 | 3 57 | 4 38 |
| T 21 | 18 35 | 15 59 | 2 42 | 23 27 | 1 15 | 3 14 | 0 4 | 21 56 | 0 8 | 23 8 | 0 5 | 22 49 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 54 | 13 56 | 23 26 | 23 29 | 15 52 | 3 56 | 4 38 |
| W22 | 18 19 | 11 8 | 3 41 | 23 19 | 1 20 | 2 43 | 0n 0 | 22 3 | 0 8 | 23 8 | 0 5 | 22 48 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 54 | 13 56 | 23 26 | 23 29 | 15 54 | 3 55 | 4 38 |
| T 23 | 18 3 | 5 37 | 4 28 | 23 10 | 1 26 | 2 12 | 0 5 | 22 9 | 0 7 | 23 8 | 0 5 | 22 48 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 54 | 13 55 | 23 26 | 23 29 | 15 56 | 3 54 | 4 38 |
| F 24 | 17 47 | 0s14 | 4 58 | 23 0 | 1 31 | 1 41 | 0 10 | 22 16 | 0 6 | 23 8 | 0 5 | 22 48 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 54 | 13 55 | 23 26 | 23 29 | 15 59 | 3 53 | 4 37 |
| S 25 | 17 31 | 6 7 | 5 11 | 22 48 | 1 35 | 1 10 | 0 15 | 22 22 | 0 5 | 23 8 | 0 5 | 22 47 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 55 | 13 55 | 23 26 | 23 29 | 16 1 | 3 52 | 4 37 |
| S 26 | 17 14 | 11 40 | 5 4 | 22 34 | 1 40 | 0 39 | 0 20 | 22 28 | 0 4 | 23 8 | 0 4 | 22 47 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 55 | 13 55 | 23 27 | 23 29 | 16 3 | 3 50 | 4 37 |
| M27 | 16 57 | 16 34 | 4 38 | 22 20 | 1 44 | 0 8 | 0 25 | 22 34 | 0 4 | 23 8 | 0 4 | 22 46 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 55 | 13 54 | 23 27 | 23 29 | 16 5 | 3 49 | 4 37 |
| T 28 | 16 39 | 20 30 | 3 55 | 22 3 | 1 48 | 0n23 | 0 30 | 22 39 | 0 3 | 23 8 | 0 4 | 22 46 | 0 20 | 9 45 | 0 34 | 8 48 | 1 51 | 2 56 | 13 54 | 23 27 | 23 29 | 16 7 | 3 48 | 4 37 |
| W29 | 16 21 | 23 12 | 2 59 | 21 46 | 1 51 | 0 53 | 0 35 | 22 44 | 0 2 | 23 8 | 0 4 | 22 45 | 0 20 | 9 45 | 0 34 | 8 47 | 1 51 | 2 56 | 13 54 | 23 27 | 23 29 | 16 9 | 3 47 | 4 37 |
| T 30 | 16 3 | 24 28 | 1 53 | 21 26 | 1 54 | 1 24 | 0 41 | 22 50 | 0 1 | 23 8 | 0 4 | 22 45 | 0 20 | 9 45 | 0 34 | 8 47 | 1 51 | 2 56 | 13 53 | 23 27 | 23 30 | 16 11 | 3 46 | 4 37 |
| F 31 | 15s45 | 24s13 | 0s41 | 21s 6 | 1s57 | 1n55 | 0n46 | 22s55 | 0n 0 | 23n 8 | 0s 4 | 22s44 | 0n20 | 9s44 | 0n34 | 8s47 | 1n51 | 2n57 | 13s53 | 23s27 | 23s30 | 16n13 | 3s45 | 4n36 |

Julian Day Number = 2135981.5, Delta T = 15m55s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'40, Lahiri = 11°48'41 Julian Calendar 1 Jan. 1136 == Greg. Calendar 8 Jan. 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## FEBRUARY 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 6 54 | 18♒12'45 | 11♉25 | 6♒16 | 4♈ 7 | 17♐41 | 20°R12 | 11♉28 | 26°R29 | 27°R11 | 14♉24 | 5°R20 | 3♉50 | 1♉16 | 9♓39 | S 1 |
| S 2 | 9 10 50 | 19°13'14 | 24°49 | 7°56 | 5°12 | 18°22 | 20♊11 | 11°34 | 26♎29 | 27♎10 | 14°24 | 5♉18 | 3°47 | 1°22 | 9°42 | S 2 |
| M 3 | 9 14 47 | 20°13'40 | 8♒ 2 | 9°37 | 6°16 | 19° 3 | 20° 9 | 11°40 | 26°28 | 27°10 | 14°24 | 5°14 | 3°44 | 1°29 | 9°46 | M 3 |
| T 4 | 9 18 43 | 21°14'06 | 21° 3 | 11°19 | 7°19 | 19°44 | 20° 9 | 11°46 | 26°28 | 27°10 | 14°24 | 5° 8 | 3°41 | 1°36 | 9°49 | T 4 |
| W 5 | 9 22 40 | 22°14'29 | 3♓50 | 13° 2 | 8°23 | 20°25 | 20° 8 | 11°52 | 26°27 | 27° 9 | 14°25 | 5° 0 | 3°37 | 1°42 | 9°53 | W 5 |
| T 6 | 9 26 36 | 23°14'51 | 16°24 | 14°46 | 9°26 | 21° 6 | 20° 7 | 11°58 | 26°26 | 27° 9 | 14°25 | 4°51 | 3°34 | 1°49 | 9°57 | T 6 |
| F 7 | 9 30 33 | 24°15'10 | 28°45 | 16°31 | 10°29 | 21°48 | 20° 7 | 12° 4 | 26°26 | 27° 8 | 14°25 | 4°41 | 3°31 | 1°56 | 10° 0 | F 7 |
| S 8 | 9 34 30 | 25°15'28 | 10♈53 | 18°17 | 11°31 | 22°29 | 20°D 7 | 12°10 | 26°25 | 27° 8 | 14°26 | 4°33 | 3°28 | 2° 3 | 10° 4 | S 8 |
| S 9 | 9 38 26 | 26°15'44 | 22°52 | 20° 4 | 12°33 | 23°10 | 20° 7 | 12°16 | 26°24 | 27° 7 | 14°26 | 4°25 | 3°25 | 2° 9 | 10° 8 | S 9 |
| M10 | 9 42 23 | 27°15'57 | 4♉45 | 21°52 | 13°34 | 23°51 | 20° 7 | 12°21 | 26°23 | 27° 6 | 14°26 | 4°20 | 3°22 | 2°16 | 10°11 | M10 |
| T 11 | 9 46 19 | 28°16'09 | 16°35 | 23°42 | 14°36 | 24°32 | 20° 8 | 12°27 | 26°22 | 27° 6 | 14°27 | 4°17 | 3°18 | 2°23 | 10°15 | T 11 |
| W12 | 9 50 16 | 29°16'19 | 28°28 | 25°32 | 15°36 | 25°14 | 20° 8 | 12°33 | 26°21 | 27° 5 | 14°27 | 4°D16 | 3°15 | 2°29 | 10°19 | W12 |
| T 13 | 9 54 12 | 0♓16'26 | 10♊28 | 27°23 | 16°37 | 25°55 | 20° 9 | 12°38 | 26°20 | 27° 4 | 14°28 | 4°17 | 3°12 | 2°36 | 10°22 | T 13 |
| F 14 | 9 58 9 | 1°16'32 | 22°42 | 29°15 | 17°37 | 26°36 | 20°10 | 12°44 | 26°19 | 27° 4 | 14°28 | 4°18 | 3° 9 | 2°43 | 10°26 | F 14 |
| S 15 | 10 2 5 | 2°16'35 | 5♋13 | 1♓ 8 | 18°36 | 27°17 | 20°12 | 12°49 | 26°18 | 27° 3 | 14°29 | 4°R18 | 3° 6 | 2°50 | 10°30 | S 15 |
| S 16 | 10 6 2 | 3°16'36 | 18° 7 | 3° 2 | 19°35 | 27°59 | 20°13 | 12°55 | 26°17 | 27° 2 | 14°29 | 4°17 | 3° 3 | 2°56 | 10°34 | S 16 |
| M17 | 10 9 59 | 4°16'35 | 1♌25 | 4°57 | 20°34 | 28°40 | 20°15 | 13° 0 | 26°16 | 27° 1 | 14°30 | 4°14 | 2°59 | 3° 3 | 10°37 | M17 |
| T 18 | 10 13 55 | 5°16'31 | 15°10 | 6°53 | 21°32 | 29°21 | 20°17 | 13° 5 | 26°15 | 27° 1 | 14°30 | 4° 9 | 2°56 | 3°10 | 10°41 | T 18 |
| W19 | 10 17 52 | 6°16'26 | 29°19 | 8°49 | 22°29 | 0♉ 3 | 20°19 | 13°10 | 26°13 | 27° 0 | 14°31 | 4° 1 | 2°53 | 3°16 | 10°45 | W19 |
| T 20 | 10 21 48 | 7°16'18 | 13♍48 | 10°47 | 23°26 | 0°44 | 20°21 | 13°15 | 26°12 | 26°59 | 14°32 | 3°51 | 2°50 | 3°23 | 10°49 | T 20 |
| F 21 | 10 25 45 | 8°16'09 | 28°31 | 12°45 | 24°23 | 1°25 | 20°23 | 13°21 | 26°11 | 26°58 | 14°32 | 3°41 | 2°47 | 3°30 | 10°52 | F 21 |
| S 22 | 10 29 41 | 9°15'58 | 13♎18 | 14°43 | 25°18 | 2° 6 | 20°26 | 13°26 | 26° 9 | 26°57 | 14°33 | 3°31 | 2°43 | 3°36 | 10°56 | S 22 |
| S 23 | 10 33 38 | 10°15'45 | 28° 3 | 16°41 | 26°14 | 2°48 | 20°29 | 13°30 | 26° 8 | 26°56 | 14°34 | 3°23 | 2°40 | 3°43 | 11° 0 | S 23 |
| M24 | 10 37 34 | 11°15'30 | 12♏37 | 18°40 | 27° 8 | 3°29 | 20°32 | 13°35 | 26° 6 | 26°55 | 14°34 | 3°18 | 2°37 | 3°50 | 11° 4 | M24 |
| T 25 | 10 41 31 | 12°15'13 | 26°57 | 20°38 | 28° 2 | 4°11 | 20°35 | 13°40 | 26° 5 | 26°54 | 14°35 | 3°15 | 2°34 | 3°57 | 11° 7 | T 25 |
| W26 | 10 45 27 | 13°14'55 | 11♐ 1 | 22°36 | 28°56 | 4°52 | 20°38 | 13°45 | 26° 3 | 26°53 | 14°36 | 3°D14 | 2°31 | 4° 3 | 11°11 | W26 |
| T 27 | 10 49 24 | 14°14'35 | 24°47 | 24°34 | 29°49 | 5°33 | 20°42 | 13°49 | 26° 1 | 26°52 | 14°36 | 3°14 | 2°28 | 4°10 | 11°15 | T 27 |
| F 28 | 10 53 21 | 15°14'13 | 8♑17 | 26°30 | 0♉41 | 6°15 | 20°45 | 13°54 | 26° 0 | 26°51 | 14°37 | 3°R14 | 2°24 | 4°17 | 11°19 | F 28 |
| S 29 | 10 57 17 | 16♓13'50 | 21♑32 | 28♓25 | 1♉32 | 6♑56 | 20♊49 | 13♑59 | 25♎58 | 26♎50 | 14♉38 | 3♑13 | 2♑21 | 4♉23 | 11♓22 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s27 | 22s31 | 0n33 | 20s43 | 2s 0 | 2n26 | 0n51 | 22s59 | 0s 1 | 23n 8 | 0s 4 | 22s44 | 0n20 | 9s44 | 0n34 | 8s47 | 1n52 | 2n57 | 13s53 | 23s27 | 23s30 | 16n15 | 3s43 | 4n36 |
| S 2 | 15 8 | 19 34 | 1 44 | 20 20 | 2 2 | 2 57 | 0 57 | 23 4 | 0 2 | 23 8 | 0 3 | 22 43 | 0 19 | 9 44 | 0 34 | 8 47 | 1 52 | 2 58 | 13 52 | 23 27 | 23 30 | 16 17 | 3 42 | 4 36 |
| M 3 | 14 49 | 15 39 | 2 47 | 19 54 | 2 3 | 3 27 | 1 2 | 23 8 | 0 3 | 23 8 | 0 3 | 22 43 | 0 19 | 9 44 | 0 34 | 8 47 | 1 52 | 2 58 | 13 52 | 23 27 | 23 30 | 16 19 | 3 41 | 4 36 |
| T 4 | 14 29 | 11 3 | 3 41 | 19 27 | 2 5 | 3 58 | 1 8 | 23 13 | 0 3 | 23 8 | 0 3 | 22 42 | 0 19 | 9 44 | 0 34 | 8 46 | 1 52 | 2 58 | 13 52 | 23 27 | 23 30 | 16 21 | 3 40 | 4 36 |
| W 5 | 14 10 | 6 4 | 4 23 | 18 59 | 2 5 | 4 28 | 1 14 | 23 17 | 0 4 | 23 8 | 0 3 | 22 42 | 0 19 | 9 43 | 0 34 | 8 46 | 1 52 | 2 59 | 13 51 | 23 27 | 23 30 | 16 23 | 3 39 | 4 36 |
| T 6 | 13 50 | 0 55 | 4 51 | 18 29 | 2 6 | 4 58 | 1 19 | 23 20 | 0 5 | 23 8 | 0 3 | 22 41 | 0 19 | 9 43 | 0 34 | 8 46 | 1 52 | 2 59 | 13 51 | 23 28 | 23 30 | 16 25 | 3 37 | 4 36 |
| F 7 | 13 30 | 4n 9 | 5 5 | 17 57 | 2 6 | 5 28 | 1 25 | 23 24 | 0 6 | 23 8 | 0 3 | 22 41 | 0 19 | 9 43 | 0 34 | 8 46 | 1 52 | 2 59 | 13 51 | 23 28 | 23 30 | 16 27 | 3 36 | 4 35 |
| S 8 | 13 10 | 9 0 | 5 5 | 17 24 | 2 5 | 5 58 | 1 31 | 23 27 | 0 7 | 23 8 | 0 3 | 22 40 | 0 19 | 9 43 | 0 34 | 8 45 | 1 52 | 3 0 | 13 50 | 23 28 | 23 30 | 16 29 | 3 35 | 4 35 |
| S 9 | 12 49 | 13 26 | 4 51 | 16 50 | 2 5 | 6 28 | 1 37 | 23 31 | 0 8 | 23 9 | 0 2 | 22 40 | 0 19 | 9 42 | 0 34 | 8 45 | 1 52 | 3 0 | 13 50 | 23 29 | 23 30 | 16 30 | 3 34 | 4 35 |
| M10 | 12 29 | 17 19 | 4 25 | 16 13 | 2 3 | 6 57 | 1 42 | 23 34 | 0 9 | 23 9 | 0 2 | 22 40 | 0 19 | 9 42 | 0 34 | 8 45 | 1 52 | 3 1 | 13 50 | 23 29 | 23 31 | 16 32 | 3 32 | 4 35 |
| T 11 | 12 8 | 20 30 | 3 47 | 15 36 | 2 1 | 7 26 | 1 48 | 23 36 | 0 10 | 23 9 | 0 2 | 22 39 | 0 19 | 9 42 | 0 34 | 8 45 | 1 52 | 3 1 | 13 49 | 23 29 | 23 31 | 16 34 | 3 31 | 4 35 |
| W12 | 11 47 | 22 50 | 3 0 | 14 56 | 1 59 | 7 56 | 1 54 | 23 39 | 0 11 | 23 9 | 0 2 | 22 39 | 0 19 | 9 41 | 0 34 | 8 44 | 1 52 | 3 2 | 13 49 | 23 29 | 23 31 | 16 36 | 3 30 | 4 35 |
| T 13 | 11 26 | 24 10 | 2 4 | 14 15 | 1 56 | 8 25 | 2 0 | 23 41 | 0 12 | 23 9 | 0 2 | 22 38 | 0 19 | 9 41 | 0 34 | 8 44 | 1 52 | 3 2 | 13 49 | 23 29 | 23 31 | 16 38 | 3 28 | 4 35 |
| F 14 | 11 4 | 24 23 | 1 2 | 13 33 | 1 53 | 8 53 | 2 6 | 23 43 | 0 13 | 23 9 | 0 2 | 22 38 | 0 19 | 9 40 | 0 34 | 8 44 | 1 52 | 3 2 | 13 49 | 23 29 | 23 31 | 16 40 | 3 27 | 4 35 |
| S 15 | 10 43 | 23 22 | 0s 5 | 12 49 | 1 49 | 9 22 | 2 12 | 23 45 | 0 14 | 23 10 | 0 2 | 22 37 | 0 19 | 9 40 | 0 34 | 8 43 | 1 52 | 3 3 | 13 48 | 23 29 | 23 31 | 16 42 | 3 26 | 4 35 |
| S 16 | 10 21 | 21 7 | 1 13 | 12 4 | 1 44 | 9 50 | 2 18 | 23 47 | 0 15 | 23 10 | 0 1 | 22 37 | 0 19 | 9 40 | 0 34 | 8 43 | 1 52 | 3 3 | 13 48 | 23 29 | 23 31 | 16 44 | 3 24 | 4 35 |
| M17 | 9 59 | 17 40 | 2 20 | 11 17 | 1 39 | 10 18 | 2 25 | 23 49 | 0 16 | 23 10 | 0 1 | 22 36 | 0 19 | 9 39 | 0 34 | 8 43 | 1 52 | 3 4 | 13 48 | 23 29 | 23 31 | 16 46 | 3 23 | 4 35 |
| T 18 | 9 37 | 13 11 | 3 20 | 10 29 | 1 34 | 10 45 | 2 31 | 23 50 | 0 17 | 23 10 | 0 1 | 22 36 | 0 19 | 9 39 | 0 34 | 8 42 | 1 53 | 3 4 | 13 47 | 23 29 | 23 31 | 16 48 | 3 22 | 4 34 |
| W19 | 9 15 | 7 52 | 4 10 | 9 39 | 1 28 | 11 13 | 2 37 | 23 51 | 0 18 | 23 11 | 0 1 | 22 35 | 0 19 | 9 38 | 0 34 | 8 42 | 1 53 | 3 5 | 13 47 | 23 29 | 23 31 | 16 50 | 3 20 | 4 34 |
| T 20 | 8 53 | 2 1 | 4 45 | 8 48 | 1 21 | 11 40 | 2 43 | 23 52 | 0 19 | 23 11 | 0 1 | 22 35 | 0 19 | 9 38 | 0 34 | 8 42 | 1 53 | 3 5 | 13 47 | 23 30 | 23 31 | 16 52 | 3 19 | 4 34 |
| F 21 | 8 30 | 4s 1 | 5 2 | 7 56 | 1 14 | 12 7 | 2 49 | 23 53 | 0 20 | 23 11 | 0 1 | 22 34 | 0 18 | 9 37 | 0 34 | 8 41 | 1 53 | 3 5 | 13 46 | 23 30 | 23 31 | 16 54 | 3 18 | 4 34 |
| S 22 | 8 8 | 9 51 | 4 59 | 7 3 | 1 6 | 12 33 | 2 55 | 23 53 | 0 21 | 23 12 | 0 1 | 22 34 | 0 18 | 9 37 | 0 34 | 8 41 | 1 53 | 3 6 | 13 46 | 23 30 | 23 31 | 16 56 | 3 16 | 4 34 |
| S 23 | 7 45 | 15 7 | 4 36 | 6 9 | 0 57 | 12 59 | 3 2 | 23 54 | 0 22 | 23 12 | 0 1 | 22 33 | 0 18 | 9 36 | 0 34 | 8 40 | 1 53 | 3 6 | 13 46 | 23 30 | 23 31 | 16 57 | 3 15 | 4 34 |
| M24 | 7 23 | 19 25 | 3 55 | 5 14 | 0 48 | 13 25 | 3 8 | 23 54 | 0 23 | 23 12 | 0 0 | 22 33 | 0 18 | 9 36 | 0 34 | 8 40 | 1 53 | 3 7 | 13 46 | 23 31 | 23 32 | 16 59 | 3 14 | 4 34 |
| T 25 | 7 0 | 22 29 | 3 0 | 4 19 | 0 38 | 13 51 | 3 14 | 23 54 | 0 25 | 23 13 | 0 0 | 22 33 | 0 18 | 9 35 | 0 34 | 8 40 | 1 53 | 3 7 | 13 45 | 23 31 | 23 32 | 17 1 | 3 12 | 4 34 |
| W26 | 6 37 | 24 6 | 1 55 | 3 23 | 0 28 | 14 16 | 3 20 | 23 53 | 0 26 | 23 13 | 0 0 | 22 32 | 0 18 | 9 34 | 0 34 | 8 39 | 1 53 | 3 8 | 13 45 | 23 31 | 23 32 | 17 3 | 3 11 | 4 34 |
| T 27 | 6 14 | 24 12 | 0 45 | 2 26 | 0 18 | 14 40 | 3 26 | 23 53 | 0 27 | 23 13 | 0 0 | 22 32 | 0 18 | 9 34 | 0 34 | 8 39 | 1 53 | 3 8 | 13 45 | 23 31 | 23 32 | 17 5 | 3 9 | 4 34 |
| F 28 | 5 51 | 22 51 | 0n27 | 1 30 | 0 6 | 15 5 | 3 33 | 23 52 | 0 28 | 23 14 | 0n 0 | 22 31 | 0 18 | 9 33 | 0 34 | 8 38 | 1 53 | 3 9 | 13 44 | 23 31 | 23 32 | 17 7 | 3 8 | 4 34 |
| S 29 | 5s27 | 20s15 | 1n35 | 0s33 | 0n 5 | 15n29 | 3n39 | 23s51 | 0s29 | 23n14 | 0n 0 | 22s31 | 0n18 | 9s32 | 0n34 | 8s38 | 1n53 | 3n 9 | 13s44 | 23s31 | 23s32 | 17n 9 | 3s 7 | 4n34 |

Julian Day Number = 2136012.5, Delta T = 15m55s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'45, Lahiri = 11°48'45 Julian Calendar 1 Feb. 1136 == Greg. Calendar 8 Feb. 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## MARCH 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 1 14 | 17♓13'24 | 4♒35 | 0♈18 | 2♉23 | 7♑37 | 20♊53 | 14♑ 3 | 25°R56 | 26°R48 | 14♉39 | 3°R 9 | 2♑18 | 4♉30 | 11♓26 | S 1 |
| M 2 | 11 5 10 | 18°12'57 | 17°26 | 2° 8 | 3°12 | 8°19 | 20°58 | 14° 7 | 25♎54 | 26♎47 | 14°39 | 3♑ 3 | 2°15 | 4°37 | 11°30 | M 2 |
| T 3 | 11 9 7 | 19°12'28 | 0♓ 6 | 3°56 | 4° 1 | 9° 0 | 21° 2 | 14°12 | 25°53 | 26°46 | 14°40 | 2°53 | 2°12 | 4°43 | 11°34 | T 3 |
| W 4 | 11 13 3 | 20°11'57 | 12°37 | 5°41 | 4°50 | 9°42 | 21° 7 | 14°16 | 25°51 | 26°45 | 14°41 | 2°41 | 2° 9 | 4°50 | 11°37 | W 4 |
| T 5 | 11 17 0 | 21°11'23 | 24°57 | 7°22 | 5°37 | 10°23 | 21°11 | 14°20 | 25°49 | 26°44 | 14°42 | 2°28 | 2° 5 | 4°57 | 11°41 | T 5 |
| F 6 | 11 20 56 | 22°10'48 | 7♈ 8 | 8°59 | 6°23 | 11° 4 | 21°16 | 14°24 | 25°47 | 26°42 | 14°43 | 2°14 | 2° 2 | 5° 4 | 11°45 | F 6 |
| S 7 | 11 24 53 | 23°10'10 | 19°10 | 10°32 | 7° 9 | 11°46 | 21°21 | 14°28 | 25°45 | 26°41 | 14°44 | 2° 0 | 1°59 | 5°10 | 11°48 | S 7 |
| S 8 | 11 28 50 | 24° 9'30 | 1♉ 6 | 12° 0 | 7°53 | 12°27 | 21°27 | 14°32 | 25°43 | 26°40 | 14°45 | 1°49 | 1°56 | 5°17 | 11°52 | S 8 |
| M 9 | 11 32 46 | 25° 8'48 | 12°56 | 13°23 | 8°37 | 13° 8 | 21°32 | 14°36 | 25°41 | 26°38 | 14°46 | 1°40 | 1°53 | 5°24 | 11°56 | M 9 |
| T 10 | 11 36 43 | 26° 8'04 | 24°45 | 14°40 | 9°20 | 13°50 | 21°38 | 14°39 | 25°39 | 26°37 | 14°46 | 1°34 | 1°49 | 5°30 | 12° 0 | T 10 |
| W11 | 11 40 39 | 27° 7'18 | 6♊36 | 15°52 | 10° 1 | 14°31 | 21°43 | 14°43 | 25°37 | 26°36 | 14°47 | 1°31 | 1°46 | 5°37 | 12° 3 | W11 |
| T 12 | 11 44 36 | 28° 6'29 | 18°34 | 16°57 | 10°41 | 15°13 | 21°49 | 14°47 | 25°35 | 26°34 | 14°48 | 1°29 | 1°43 | 5°44 | 12° 7 | T 12 |
| F 13 | 11 48 32 | 29° 5'38 | 0♋45 | 17°56 | 11°20 | 15°54 | 21°55 | 14°50 | 25°32 | 26°33 | 14°49 | 1°29 | 1°40 | 5°50 | 12°10 | F 13 |
| S 14 | 11 52 29 | 0♈ 4'44 | 13°13 | 18°48 | 11°58 | 16°35 | 22° 2 | 14°54 | 25°30 | 26°32 | 14°50 | 1°29 | 1°37 | 5°57 | 12°14 | S 14 |
| S 15 | 11 56 25 | 1° 3'48 | 26° 3 | 19°34 | 12°35 | 17°17 | 22° 8 | 14°57 | 25°28 | 26°30 | 14°51 | 1°27 | 1°34 | 6° 4 | 12°18 | S 15 |
| M16 | 12 0 22 | 2° 2'50 | 9♌21 | 20°13 | 13°10 | 17°58 | 22°15 | 15° 0 | 25°26 | 26°29 | 14°52 | 1°24 | 1°30 | 6°11 | 12°21 | M16 |
| T 17 | 12 4 19 | 3° 1'49 | 23° 8 | 20°46 | 13°44 | 18°39 | 22°21 | 15° 3 | 25°23 | 26°27 | 14°53 | 1°18 | 1°27 | 6°17 | 12°25 | T 17 |
| W18 | 12 8 15 | 4° 0'46 | 7♍24 | 21°11 | 14°17 | 19°21 | 22°28 | 15° 6 | 25°21 | 26°26 | 14°55 | 1° 9 | 1°24 | 6°24 | 12°28 | W18 |
| T 19 | 12 12 12 | 4°59'41 | 22° 6 | 21°29 | 14°48 | 20° 2 | 22°35 | 15° 9 | 25°19 | 26°24 | 14°56 | 0°59 | 1°21 | 6°31 | 12°32 | T 19 |
| F 20 | 12 16 8 | 5°58'34 | 7♎ 5 | 21°41 | 15°17 | 20°43 | 22°42 | 15°12 | 25°17 | 26°23 | 14°57 | 0°47 | 1°18 | 6°37 | 12°35 | F 20 |
| S 21 | 12 20 5 | 6°57'24 | 22°14 | 21°R46 | 15°45 | 21°25 | 22°49 | 15°15 | 25°14 | 26°21 | 14°58 | 0°36 | 1°14 | 6°44 | 12°39 | S 21 |
| S 22 | 12 24 1 | 7°56'13 | 7♏22 | 21°44 | 16°11 | 22° 6 | 22°57 | 15°18 | 25°12 | 26°20 | 14°59 | 0°27 | 1°11 | 6°51 | 12°42 | S 22 |
| M23 | 12 27 58 | 8°55'00 | 22°18 | 21°36 | 16°36 | 22°47 | 23° 4 | 15°20 | 25° 9 | 26°18 | 15° 0 | 0°21 | 1° 8 | 6°57 | 12°46 | M23 |
| T 24 | 12 31 54 | 9°53'45 | 6♐55 | 21°22 | 16°59 | 23°28 | 23°12 | 15°23 | 25° 7 | 26°17 | 15° 1 | 0°17 | 1° 5 | 7° 4 | 12°49 | T 24 |
| W25 | 12 35 51 | 10°52'29 | 21°11 | 21° 2 | 17°20 | 24°10 | 23°20 | 15°25 | 25° 5 | 26°15 | 15° 2 | 0°15 | 1° 2 | 7°11 | 12°53 | W25 |
| T 26 | 12 39 48 | 11°51'10 | 5♑ 2 | 20°38 | 17°39 | 24°51 | 23°27 | 15°27 | 25° 2 | 26°14 | 15° 3 | 0°15 | 0°59 | 7°18 | 12°56 | T 26 |
| F 27 | 12 43 44 | 12°49'50 | 18°31 | 20° 8 | 17°56 | 25°32 | 23°36 | 15°30 | 25° 0 | 26°12 | 15° 5 | 0°15 | 0°55 | 7°24 | 13° 0 | F 27 |
| S 28 | 12 47 41 | 13°48'29 | 1♒39 | 19°35 | 18°11 | 26°14 | 23°44 | 15°32 | 24°57 | 26°10 | 15° 6 | 0°14 | 0°52 | 7°31 | 13° 3 | S 28 |
| S 29 | 12 51 37 | 14°47'05 | 14°31 | 18°59 | 18°24 | 26°55 | 23°52 | 15°34 | 24°55 | 26° 9 | 15° 7 | 0°11 | 0°49 | 7°38 | 13° 6 | S 29 |
| M30 | 12 55 34 | 15°45'40 | 27° 8 | 18°19 | 18°36 | 27°36 | 24° 0 | 15°36 | 24°52 | 26° 7 | 15° 8 | 0° 5 | 0°46 | 7°44 | 13° 9 | M30 |
| T 31 | 12 59 30 | 16♈44'13 | 9♓33 | 17♈39 | 18♉44 | 28♑17 | 24♊ 9 | 15♑38 | 24♎50 | 26♎ 6 | 15♉ 9 | 29♐56 | 0♑43 | 7♉51 | 13♓13 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 4 | 16s39 | 2n38 | 0n23 | 0n17 | 15n52 | 3n45 | 23s50 | 0s30 | 23n15 | 0n 0 | 22s30 | 0n18 | 9s32 | 0n34 | 8s37 | 1n53 | 3n10 | 13s44 | 23s31 | 23s32 | 17n11 | 3s 5 | 4n34 |
| M 2 | 4 41 | 12 20 | 3 31 | 1 18 | 0 29 | 16 15 | 3 51 | 23 49 | 0 31 | 23 15 | 0 0 | 22 30 | 0 18 | 9 31 | 0 35 | 8 37 | 1 53 | 3 10 | 13 44 | 23 31 | 23 32 | 17 12 | 3 4 | 4 34 |
| T 3 | 4 17 | 7 32 | 4 13 | 2 12 | 0 41 | 16 38 | 3 57 | 23 47 | 0 32 | 23 15 | 0 1 | 22 30 | 0 18 | 9 30 | 0 35 | 8 37 | 1 53 | 3 11 | 13 43 | 23 31 | 23 32 | 17 14 | 3 2 | 4 34 |
| W 4 | 3 54 | 2 31 | 4 42 | 3 6 | 0 54 | 17 0 | 4 3 | 23 45 | 0 34 | 23 16 | 0 1 | 22 29 | 0 18 | 9 30 | 0 35 | 8 36 | 1 53 | 3 11 | 13 43 | 23 31 | 23 32 | 17 16 | 3 1 | 4 34 |
| T 5 | 3 31 | 2n32 | 4 57 | 3 57 | 1 6 | 17 22 | 4 9 | 23 43 | 0 35 | 23 16 | 0 1 | 22 29 | 0 18 | 9 29 | 0 35 | 8 36 | 1 53 | 3 12 | 13 43 | 23 32 | 23 32 | 17 18 | 3 0 | 4 34 |
| F 6 | 3 7 | 7 25 | 4 59 | 4 47 | 1 19 | 17 43 | 4 15 | 23 41 | 0 36 | 23 17 | 0 1 | 22 29 | 0 18 | 9 28 | 0 35 | 8 35 | 1 53 | 3 12 | 13 43 | 23 32 | 23 32 | 17 20 | 2 58 | 4 34 |
| S 7 | 2 43 | 11 58 | 4 47 | 5 35 | 1 31 | 18 4 | 4 21 | 23 39 | 0 37 | 23 17 | 0 1 | 22 28 | 0 18 | 9 28 | 0 35 | 8 35 | 1 53 | 3 13 | 13 42 | 23 32 | 23 32 | 17 22 | 2 57 | 4 34 |
| S 8 | 2 20 | 16 0 | 4 22 | 6 21 | 1 43 | 18 25 | 4 27 | 23 36 | 0 38 | 23 18 | 0 1 | 22 28 | 0 18 | 9 27 | 0 35 | 8 34 | 1 53 | 3 13 | 13 42 | 23 32 | 23 32 | 17 24 | 2 55 | 4 34 |
| M 9 | 1 56 | 19 23 | 3 47 | 7 4 | 1 55 | 18 45 | 4 33 | 23 33 | 0 40 | 23 18 | 0 1 | 22 27 | 0 18 | 9 26 | 0 35 | 8 34 | 1 53 | 3 14 | 13 42 | 23 32 | 23 32 | 17 25 | 2 54 | 4 34 |
| T 10 | 1 33 | 21 58 | 3 1 | 7 45 | 2 6 | 19 4 | 4 39 | 23 30 | 0 41 | 23 19 | 0 1 | 22 27 | 0 18 | 9 25 | 0 35 | 8 33 | 1 53 | 3 14 | 13 42 | 23 33 | 23 32 | 17 27 | 2 53 | 4 34 |
| W11 | 1 9 | 23 36 | 2 8 | 8 23 | 2 17 | 19 23 | 4 44 | 23 27 | 0 42 | 23 19 | 0 2 | 22 27 | 0 17 | 9 25 | 0 35 | 8 33 | 1 53 | 3 15 | 13 41 | 23 33 | 23 32 | 17 29 | 2 51 | 4 34 |
| T 12 | 0 45 | 24 11 | 1 8 | 8 57 | 2 27 | 19 41 | 4 50 | 23 24 | 0 43 | 23 19 | 0 2 | 22 26 | 0 17 | 9 24 | 0 35 | 8 32 | 1 54 | 3 15 | 13 41 | 23 33 | 23 32 | 17 31 | 2 50 | 4 34 |
| F 13 | 0 22 | 23 37 | 0 4 | 9 29 | 2 37 | 19 59 | 4 55 | 23 20 | 0 45 | 23 20 | 0 2 | 22 26 | 0 17 | 9 23 | 0 35 | 8 31 | 1 54 | 3 16 | 13 41 | 23 33 | 23 32 | 17 33 | 2 48 | 4 34 |
| S 14 | 0n 2 | 21 52 | 1s 2 | 9 57 | 2 45 | 20 16 | 5 1 | 23 16 | 0 46 | 23 20 | 0 2 | 22 26 | 0 17 | 9 22 | 0 35 | 8 31 | 1 54 | 3 16 | 13 41 | 23 33 | 23 32 | 17 34 | 2 47 | 4 34 |
| S 15 | 0 25 | 18 58 | 2 6 | 10 21 | 2 53 | 20 32 | 5 6 | 23 12 | 0 47 | 23 21 | 0 2 | 22 25 | 0 17 | 9 21 | 0 35 | 8 30 | 1 54 | 3 17 | 13 40 | 23 33 | 23 33 | 17 36 | 2 46 | 4 34 |
| M16 | 0 49 | 15 1 | 3 6 | 10 42 | 3 0 | 20 48 | 5 11 | 23 8 | 0 48 | 23 21 | 0 2 | 22 25 | 0 17 | 9 21 | 0 35 | 8 30 | 1 54 | 3 17 | 13 40 | 23 33 | 23 33 | 17 38 | 2 44 | 4 34 |
| T 17 | 1 13 | 10 8 | 3 57 | 11 0 | 3 5 | 21 4 | 5 16 | 23 4 | 0 50 | 23 22 | 0 2 | 22 25 | 0 17 | 9 20 | 0 35 | 8 29 | 1 54 | 3 18 | 13 40 | 23 33 | 23 33 | 17 40 | 2 43 | 4 34 |
| W18 | 1 36 | 4 34 | 4 35 | 11 14 | 3 10 | 21 18 | 5 21 | 22 59 | 0 51 | 23 22 | 0 2 | 22 24 | 0 17 | 9 19 | 0 35 | 8 29 | 1 54 | 3 18 | 13 40 | 23 33 | 23 33 | 17 42 | 2 41 | 4 34 |
| T 19 | 2 0 | 1s23 | 4 57 | 11 24 | 3 13 | 21 32 | 5 26 | 22 55 | 0 52 | 23 23 | 0 2 | 22 24 | 0 17 | 9 18 | 0 35 | 8 28 | 1 54 | 3 19 | 13 40 | 23 33 | 23 33 | 17 43 | 2 40 | 4 34 |
| F 20 | 2 23 | 7 23 | 4 59 | 11 30 | 3 15 | 21 46 | 5 31 | 22 50 | 0 54 | 23 23 | 0 2 | 22 24 | 0 17 | 9 17 | 0 35 | 8 28 | 1 54 | 3 19 | 13 39 | 23 33 | 23 33 | 17 45 | 2 39 | 4 34 |
| S 21 | 2 46 | 13 1 | 4 40 | 11 32 | 3 15 | 21 58 | 5 35 | 22 45 | 0 55 | 23 24 | 0 3 | 22 24 | 0 17 | 9 16 | 0 35 | 8 27 | 1 54 | 3 20 | 13 39 | 23 33 | 23 33 | 17 47 | 2 37 | 4 34 |
| S 22 | 3 10 | 17 49 | 4 1 | 11 30 | 3 14 | 22 10 | 5 39 | 22 39 | 0 56 | 23 24 | 0 3 | 22 23 | 0 17 | 9 15 | 0 35 | 8 26 | 1 54 | 3 20 | 13 39 | 23 33 | 23 33 | 17 49 | 2 36 | 4 34 |
| M23 | 3 33 | 21 26 | 3 6 | 11 25 | 3 12 | 22 21 | 5 44 | 22 34 | 0 58 | 23 25 | 0 3 | 22 23 | 0 17 | 9 14 | 0 35 | 8 26 | 1 54 | 3 21 | 13 39 | 23 33 | 23 33 | 17 50 | 2 35 | 4 34 |
| T 24 | 3 56 | 23 32 | 2 0 | 11 16 | 3 8 | 22 32 | 5 47 | 22 28 | 0 59 | 23 25 | 0 3 | 22 23 | 0 17 | 9 14 | 0 35 | 8 25 | 1 54 | 3 21 | 13 39 | 23 33 | 23 33 | 17 52 | 2 33 | 4 34 |
| W25 | 4 19 | 24 3 | 0 48 | 11 4 | 3 3 | 22 41 | 5 51 | 22 22 | 1 0 | 23 26 | 0 3 | 22 23 | 0 17 | 9 13 | 0 35 | 8 25 | 1 54 | 3 22 | 13 38 | 23 33 | 23 33 | 17 54 | 2 32 | 4 34 |
| T 26 | 4 42 | 23 2 | 0n25 | 10 48 | 2 56 | 22 50 | 5 54 | 22 16 | 1 2 | 23 26 | 0 3 | 22 22 | 0 17 | 9 12 | 0 35 | 8 24 | 1 54 | 3 22 | 13 38 | 23 33 | 23 33 | 17 56 | 2 30 | 4 34 |
| F 27 | 5 5 | 20 42 | 1 35 | 10 29 | 2 47 | 22 58 | 5 57 | 22 10 | 1 3 | 23 27 | 0 3 | 22 22 | 0 17 | 9 11 | 0 35 | 8 24 | 1 54 | 3 22 | 13 38 | 23 33 | 23 33 | 17 57 | 2 29 | 4 35 |
| S 28 | 5 28 | 17 19 | 2 38 | 10 7 | 2 37 | 23 5 | 6 0 | 22 4 | 1 5 | 23 27 | 0 3 | 22 22 | 0 17 | 9 10 | 0 35 | 8 23 | 1 54 | 3 23 | 13 38 | 23 33 | 23 33 | 17 59 | 2 28 | 4 35 |
| S 29 | 5 51 | 13 11 | 3 32 | 9 43 | 2 26 | 23 11 | 6 3 | 21 57 | 1 6 | 23 28 | 0 3 | 22 22 | 0 17 | 9 9 | 0 35 | 8 22 | 1 54 | 3 23 | 13 38 | 23 33 | 23 33 | 18 1 | 2 26 | 4 35 |
| M30 | 6 14 | 8 33 | 4 13 | 9 16 | 2 14 | 23 17 | 6 5 | 21 50 | 1 7 | 23 28 | 0 4 | 22 22 | 0 17 | 9 8 | 0 35 | 8 22 | 1 54 | 3 24 | 13 37 | 23 33 | 23 33 | 18 3 | 2 25 | 4 35 |
| T 31 | 6n36 | 3s40 | 4n43 | 8n48 | 2n 0 | 23n21 | 6n 7 | 21s43 | 1s 9 | 23n29 | 0n 4 | 22s22 | 0n16 | 9s 7 | 0n35 | 8s21 | 1n54 | 3n24 | 13s37 | 23s33 | 23s33 | 18n 4 | 2s24 | 4n35 |

Julian Day Number = 2136041.5, Delta T = 15m55s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'49, Lahiri = 11°48'49 Julian Calendar 1 March 1136 == Greg. Calendar 8 March 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## APRIL 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 3 27 | 17♈42'44 | 21♓49 | 16°R57 | 18♉51 | 28♊58 | 24♊18 | 15♊39 | 24°R47 | 26°R 4 | 15♉11 | 29°R45 | 0♊40 | 7♉58 | 13♓16 | W 1 |
| T 2 | 13 7 23 | 18°41'13 | 3♈56 | 16♈14 | 18°55 | 29°39 | 24°26 | 15°41 | 24♎45 | 26♎ 2 | 15°12 | 29♐32 | 0°36 | 8° 4 | 13°19 | T 2 |
| F 3 | 13 11 20 | 19°39'41 | 15°57 | 15°33 | 18°R57 | 0♒21 | 24°35 | 15°43 | 24°42 | 26° 1 | 15°13 | 29°19 | 0°33 | 8°11 | 13°22 | F 3 |
| S 4 | 13 15 16 | 20°38'07 | 27°53 | 14°52 | 18°57 | 1° 2 | 24°44 | 15°44 | 24°40 | 25°59 | 15°14 | 29° 7 | 0°30 | 8°18 | 13°26 | S 4 |
| S 5 | 13 19 13 | 21°36'30 | 9♉44 | 14°14 | 18°54 | 1°43 | 24°53 | 15°45 | 24°37 | 25°58 | 15°15 | 28°56 | 0°27 | 8°24 | 13°29 | S 5 |
| M 6 | 13 23 10 | 22°34'52 | 21°33 | 13°38 | 18°49 | 2°24 | 25° 3 | 15°47 | 24°34 | 25°56 | 15°17 | 28°48 | 0°24 | 8°31 | 13°32 | M 6 |
| T 7 | 13 27 6 | 23°33'12 | 3♊22 | 13° 5 | 18°42 | 3° 5 | 25°12 | 15°48 | 24°32 | 25°54 | 15°18 | 28°42 | 0°20 | 8°38 | 13°35 | T 7 |
| W 8 | 13 31 3 | 24°31'30 | 15°14 | 12°36 | 18°32 | 3°46 | 25°22 | 15°49 | 24°29 | 25°53 | 15°19 | 28°39 | 0°17 | 8°45 | 13°38 | W 8 |
| T 9 | 13 34 59 | 25°29'46 | 27°13 | 12°11 | 18°19 | 4°27 | 25°31 | 15°50 | 24°27 | 25°51 | 15°21 | 28°D38 | 0°14 | 8°51 | 13°41 | T 9 |
| F 10 | 13 38 56 | 26°28'00 | 9♋23 | 11°50 | 18° 4 | 5° 8 | 25°41 | 15°51 | 24°24 | 25°49 | 15°22 | 28°38 | 0°11 | 8°58 | 13°44 | F 10 |
| S 11 | 13 42 52 | 27°26'12 | 21°50 | 11°33 | 17°47 | 5°48 | 25°51 | 15°52 | 24°22 | 25°48 | 15°23 | 28°R39 | 0° 8 | 9° 5 | 13°47 | S 11 |
| S 12 | 13 46 49 | 28°24'21 | 4♌37 | 11°22 | 17°27 | 6°29 | 26° 1 | 15°52 | 24°19 | 25°46 | 15°24 | 28°39 | 0° 5 | 9°11 | 13°50 | S 12 |
| M13 | 13 50 45 | 29°22'29 | 17°49 | 11°14 | 17° 5 | 7°10 | 26°10 | 15°53 | 24°17 | 25°44 | 15°26 | 28°37 | 0° 1 | 9°18 | 13°53 | M13 |
| T 14 | 13 54 42 | 0♍20'35 | 1♍31 | 11°D12 | 16°41 | 7°51 | 26°21 | 15°53 | 24°14 | 25°43 | 15°27 | 28°34 | 29♐58 | 9°25 | 13°55 | T 14 |
| W15 | 13 58 39 | 1°18'38 | 15°41 | 11°15 | 16°15 | 8°32 | 26°31 | 15°54 | 24°12 | 25°41 | 15°28 | 28°28 | 29°55 | 9°31 | 13°58 | W15 |
| T 16 | 14 2 35 | 2°16'40 | 0♎20 | 11°22 | 15°46 | 9°12 | 26°41 | 15°54 | 24° 9 | 25°40 | 15°30 | 28°20 | 29°52 | 9°38 | 14° 1 | T 16 |
| F 17 | 14 6 32 | 3°14'40 | 15°21 | 11°34 | 15°16 | 9°53 | 26°51 | 15°54 | 24° 7 | 25°38 | 15°31 | 28°12 | 29°49 | 9°45 | 14° 4 | F 17 |
| S 18 | 14 10 28 | 4°12'38 | 0♏36 | 11°50 | 14°44 | 10°34 | 27° 2 | 15°55 | 24° 4 | 25°36 | 15°32 | 28° 4 | 29°46 | 9°51 | 14° 6 | S 18 |
| S 19 | 14 14 25 | 5°10'34 | 15°53 | 12°11 | 14°11 | 11°14 | 27°12 | 15°R55 | 24° 2 | 25°35 | 15°34 | 27°57 | 29°42 | 9°58 | 14° 9 | S 19 |
| M20 | 14 18 21 | 6° 8'29 | 1♐ 3 | 12°36 | 13°36 | 11°55 | 27°23 | 15°54 | 23°59 | 25°33 | 15°35 | 27°53 | 29°39 | 10° 5 | 14°12 | M20 |
| T 21 | 14 22 18 | 7° 6'23 | 15°55 | 13° 6 | 13° 0 | 12°35 | 27°34 | 15°54 | 23°57 | 25°32 | 15°36 | 27°50 | 29°36 | 10°12 | 14°14 | T 21 |
| W22 | 14 26 14 | 8° 4'15 | 0♑25 | 13°40 | 12°24 | 13°16 | 27°45 | 15°54 | 23°54 | 25°30 | 15°38 | 27°D50 | 29°33 | 10°18 | 14°17 | W22 |
| T 23 | 14 30 11 | 9° 2'06 | 14°28 | 14°17 | 11°46 | 13°56 | 27°55 | 15°54 | 23°52 | 25°28 | 15°39 | 27°50 | 29°30 | 10°25 | 14°19 | T 23 |
| F 24 | 14 34 8 | 9°59'56 | 28° 4 | 14°59 | 11° 8 | 14°36 | 28° 6 | 15°53 | 23°49 | 25°27 | 15°40 | 27°52 | 29°26 | 10°32 | 14°22 | F 24 |
| S 25 | 14 38 4 | 10°57'44 | 11♒16 | 15°44 | 10°31 | 15°17 | 28°17 | 15°53 | 23°47 | 25°25 | 15°42 | 27°R52 | 29°23 | 10°38 | 14°24 | S 25 |
| S 26 | 14 42 1 | 11°55'31 | 24° 6 | 16°32 | 9°53 | 15°57 | 28°29 | 15°52 | 23°45 | 25°24 | 15°43 | 27°51 | 29°20 | 10°45 | 14°27 | S 26 |
| M27 | 14 45 57 | 12°53'17 | 6♓38 | 17°24 | 9°15 | 16°37 | 28°40 | 15°51 | 23°42 | 25°22 | 15°44 | 27°49 | 29°17 | 10°52 | 14°29 | M27 |
| T 28 | 14 49 54 | 13°51'02 | 18°56 | 18°20 | 8°39 | 17°17 | 28°51 | 15°50 | 23°40 | 25°21 | 15°46 | 27°44 | 29°14 | 10°58 | 14°31 | T 28 |
| W29 | 14 53 50 | 14°48'46 | 1♈ 3 | 19°18 | 8° 3 | 17°57 | 29° 2 | 15°49 | 23°38 | 25°19 | 15°47 | 27°38 | 29°11 | 11° 5 | 14°33 | W29 |
| T 30 | 14 57 47 | 15♉46'28 | 13♈ 2 | 20♈20 | 7♉28 | 18♒37 | 29♊14 | 15♊48 | 23♎35 | 25♎18 | 15♉49 | 27♐31 | 29♐ 7 | 11♉12 | 14♓36 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n59 | 1n18 | 4n58 | 8n19 | 1n46 | 23n24 | 6n 8 | 21s36 | 1s10 | 23n29 | 0n 4 | 22s21 | 0n16 | 9s 6 | 0n35 | 8s21 | 1n54 | 3n25 | 13s37 | 23s33 | 23s33 | 18n 6 | 2s22 | 4n35 |
| T 2 | 7 21 | 6 10 | 5 0 | 7 48 | 1 30 | 23 26 | 6 9 | 21 29 | 1 12 | 23 30 | 0 4 | 22 21 | 0 16 | 9 5 | 0 35 | 8 20 | 1 54 | 3 25 | 13 37 | 23 33 | 23 33 | 18 8 | 2 21 | 4 35 |
| F 3 | 7 44 | 10 45 | 4 49 | 7 17 | 1 14 | 23 28 | 6 10 | 21 22 | 1 13 | 23 30 | 0 4 | 22 21 | 0 16 | 9 4 | 0 35 | 8 19 | 1 54 | 3 26 | 13 37 | 23 33 | 23 33 | 18 9 | 2 20 | 4 35 |
| S 4 | 8 6 | 14 53 | 4 25 | 6 46 | 0 58 | 23 28 | 6 10 | 21 14 | 1 15 | 23 31 | 0 4 | 22 21 | 0 16 | 9 4 | 0 35 | 8 19 | 1 54 | 3 26 | 13 37 | 23 33 | 23 33 | 18 11 | 2 19 | 4 35 |
| S 5 | 8 28 | 18 25 | 3 49 | 6 16 | 0 41 | 23 27 | 6 10 | 21 7 | 1 16 | 23 31 | 0 4 | 22 21 | 0 16 | 9 3 | 0 35 | 8 18 | 1 54 | 3 27 | 13 37 | 23 33 | 23 33 | 18 13 | 2 17 | 4 35 |
| M 6 | 8 50 | 21 12 | 3 4 | 5 46 | 0 24 | 23 25 | 6 9 | 20 59 | 1 18 | 23 32 | 0 4 | 22 21 | 0 16 | 9 2 | 0 35 | 8 18 | 1 54 | 3 27 | 13 36 | 23 33 | 23 33 | 18 14 | 2 16 | 4 35 |
| T 7 | 9 11 | 23 4 | 2 10 | 5 18 | 0 7 | 23 21 | 6 8 | 20 51 | 1 19 | 23 32 | 0 4 | 22 21 | 0 16 | 9 1 | 0 35 | 8 17 | 1 54 | 3 28 | 13 36 | 23 33 | 23 33 | 18 16 | 2 15 | 4 36 |
| W 8 | 9 33 | 23 54 | 1 11 | 4 51 | 0s10 | 23 17 | 6 6 | 20 42 | 1 21 | 23 33 | 0 4 | 22 21 | 0 16 | 9 0 | 0 35 | 8 16 | 1 54 | 3 28 | 13 36 | 23 33 | 23 33 | 18 18 | 2 13 | 4 36 |
| T 9 | 9 54 | 23 39 | 0 8 | 4 26 | 0 26 | 23 11 | 6 4 | 20 34 | 1 22 | 23 33 | 0 5 | 22 21 | 0 16 | 8 59 | 0 35 | 8 16 | 1 54 | 3 29 | 13 36 | 23 33 | 23 33 | 18 19 | 2 12 | 4 36 |
| F 10 | 10 15 | 22 16 | 0s57 | 4 4 | 0 42 | 23 4 | 6 1 | 20 26 | 1 24 | 23 33 | 0 5 | 22 21 | 0 16 | 8 58 | 0 35 | 8 15 | 1 54 | 3 29 | 13 36 | 23 33 | 23 33 | 18 21 | 2 11 | 4 36 |
| S 11 | 10 37 | 19 47 | 2 1 | 3 43 | 0 57 | 22 55 | 5 57 | 20 17 | 1 25 | 23 34 | 0 5 | 22 20 | 0 16 | 8 57 | 0 35 | 8 15 | 1 54 | 3 30 | 13 36 | 23 33 | 23 33 | 18 23 | 2 10 | 4 36 |
| S 12 | 10 57 | 16 17 | 3 0 | 3 25 | 1 12 | 22 45 | 5 53 | 20 8 | 1 27 | 23 34 | 0 5 | 22 20 | 0 16 | 8 56 | 0 35 | 8 14 | 1 54 | 3 30 | 13 36 | 23 33 | 23 33 | 18 24 | 2 8 | 4 36 |
| M13 | 11 18 | 11 53 | 3 52 | 3 9 | 1 26 | 22 34 | 5 48 | 19 59 | 1 28 | 23 35 | 0 5 | 22 20 | 0 16 | 8 55 | 0 35 | 8 13 | 1 54 | 3 31 | 13 36 | 23 33 | 23 33 | 18 26 | 2 7 | 4 36 |
| T 14 | 11 39 | 6 45 | 4 32 | 2 56 | 1 39 | 22 22 | 5 43 | 19 50 | 1 30 | 23 35 | 0 5 | 22 20 | 0 16 | 8 54 | 0 35 | 8 13 | 1 54 | 3 31 | 13 35 | 23 33 | 23 33 | 18 28 | 2 6 | 4 36 |
| W15 | 11 59 | 1 5 | 4 58 | 2 46 | 1 51 | 22 8 | 5 36 | 19 41 | 1 32 | 23 35 | 0 5 | 22 20 | 0 16 | 8 53 | 0 35 | 8 12 | 1 54 | 3 32 | 13 35 | 23 33 | 23 33 | 18 29 | 2 5 | 4 37 |
| T 16 | 12 19 | 4s48 | 5 5 | 2 38 | 2 3 | 21 53 | 5 30 | 19 32 | 1 33 | 23 36 | 0 5 | 22 20 | 0 16 | 8 52 | 0 35 | 8 12 | 1 54 | 3 32 | 13 35 | 23 32 | 23 33 | 18 31 | 2 4 | 4 37 |
| F 17 | 12 39 | 10 33 | 4 52 | 2 33 | 2 14 | 21 37 | 5 22 | 19 22 | 1 35 | 23 36 | 0 5 | 22 20 | 0 16 | 8 52 | 0 35 | 8 11 | 1 54 | 3 32 | 13 35 | 23 32 | 23 33 | 18 33 | 2 2 | 4 37 |
| S 18 | 12 59 | 15 45 | 4 18 | 2 30 | 2 23 | 21 19 | 5 14 | 19 13 | 1 36 | 23 36 | 0 5 | 22 21 | 0 15 | 8 51 | 0 35 | 8 10 | 1 54 | 3 33 | 13 35 | 23 32 | 23 33 | 18 34 | 2 1 | 4 37 |
| S 19 | 13 18 | 19 57 | 3 26 | 2 30 | 2 32 | 21 1 | 5 5 | 19 3 | 1 38 | 23 37 | 0 5 | 22 21 | 0 15 | 8 50 | 0 35 | 8 10 | 1 54 | 3 33 | 13 35 | 23 32 | 23 33 | 18 36 | 2 0 | 4 37 |
| M20 | 13 38 | 22 44 | 2 19 | 2 33 | 2 40 | 20 41 | 4 55 | 18 53 | 1 40 | 23 37 | 0 6 | 22 21 | 0 15 | 8 49 | 0 35 | 8 9 | 1 54 | 3 34 | 13 35 | 23 32 | 23 33 | 18 37 | 1 59 | 4 37 |
| T 21 | 13 57 | 23 52 | 1 4 | 2 37 | 2 48 | 20 20 | 4 45 | 18 43 | 1 41 | 23 37 | 0 6 | 22 21 | 0 15 | 8 48 | 0 35 | 8 9 | 1 54 | 3 34 | 13 35 | 23 32 | 23 33 | 18 39 | 1 58 | 4 37 |
| W22 | 14 16 | 23 19 | 0n14 | 2 45 | 2 54 | 19 58 | 4 34 | 18 33 | 1 43 | 23 38 | 0 6 | 22 21 | 0 15 | 8 47 | 0 34 | 8 8 | 1 54 | 3 35 | 13 35 | 23 32 | 23 33 | 18 41 | 1 57 | 4 38 |
| T 23 | 14 35 | 21 18 | 1 29 | 2 54 | 2 59 | 19 36 | 4 23 | 18 23 | 1 44 | 23 38 | 0 6 | 22 21 | 0 15 | 8 46 | 0 34 | 8 8 | 1 54 | 3 35 | 13 35 | 23 32 | 23 33 | 18 42 | 1 56 | 4 38 |
| F 24 | 14 53 | 18 6 | 2 36 | 3 6 | 3 4 | 19 13 | 4 11 | 18 13 | 1 46 | 23 38 | 0 6 | 22 21 | 0 15 | 8 45 | 0 34 | 8 7 | 1 54 | 3 36 | 13 35 | 23 32 | 23 33 | 18 44 | 1 55 | 4 38 |
| S 25 | 15 11 | 14 4 | 3 33 | 3 20 | 3 8 | 18 49 | 3 59 | 18 3 | 1 48 | 23 38 | 0 6 | 22 21 | 0 15 | 8 44 | 0 34 | 8 6 | 1 54 | 3 36 | 13 35 | 23 32 | 23 33 | 18 45 | 1 53 | 4 38 |
| S 26 | 15 29 | 9 31 | 4 17 | 3 36 | 3 11 | 18 25 | 3 46 | 17 52 | 1 49 | 23 39 | 0 6 | 22 21 | 0 15 | 8 44 | 0 34 | 8 6 | 1 54 | 3 36 | 13 35 | 23 32 | 23 33 | 18 47 | 1 52 | 4 38 |
| M27 | 15 47 | 4 40 | 4 48 | 3 54 | 3 13 | 18 0 | 3 32 | 17 42 | 1 51 | 23 39 | 0 6 | 22 21 | 0 15 | 8 43 | 0 34 | 8 5 | 1 54 | 3 37 | 13 34 | 23 32 | 23 33 | 18 49 | 1 51 | 4 38 |
| T 28 | 16 4 | 0n17 | 5 5 | 4 13 | 3 15 | 17 35 | 3 19 | 17 31 | 1 53 | 23 39 | 0 6 | 22 22 | 0 15 | 8 42 | 0 34 | 8 5 | 1 54 | 3 37 | 13 34 | 23 32 | 23 33 | 18 50 | 1 50 | 4 39 |
| W29 | 16 21 | 5 7 | 5 8 | 4 35 | 3 15 | 17 10 | 3 5 | 17 20 | 1 54 | 23 39 | 0 6 | 22 22 | 0 15 | 8 41 | 0 34 | 8 4 | 1 54 | 3 38 | 13 34 | 23 32 | 23 33 | 18 52 | 1 49 | 4 39 |
| T 30 | 16n38 | 9n44 | 4n58 | 4n58 | 3s15 | 16n45 | 2n51 | 17s 9 | 1s56 | 23n39 | 0n 7 | 22s22 | 0n15 | 8s40 | 0n34 | 8s 4 | 1n54 | 3n38 | 13s34 | 23s32 | 23s33 | 18n53 | 1s48 | 4n39 |

Julian Day Number = 2136072.5, Delta T = 15m55s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'53, Lahiri = 11°48'53 Julian Calendar 1 Apr. 1136 == Greg. Calendar 8 Apr. 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## MAY 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 1 43 | 16♉44'09 | 24♈56 | 21♈25 | 6°R54 | 19♒17 | 29♊25 | 15°R47 | 23°R33 | 25°R16 | 15♉50 | 27°R23 | 29♐ 4 | 11♉18 | 14♓38 | F 1 |
| S 2 | 15 5 40 | 17°41'49 | 6♉47 | 22°32 | 6♉22 | 19°57 | 29°37 | 15♋46 | 23♎31 | 25♎15 | 15°51 | 27♐16 | 29° 1 | 11°25 | 14°40 | S 2 |
| S 3 | 15 9 37 | 18°39'28 | 18°36 | 23°43 | 5°51 | 20°37 | 29°49 | 15°45 | 23°29 | 25°13 | 15°53 | 27° 9 | 28°58 | 11°32 | 14°42 | S 3 |
| M 4 | 15 13 33 | 19°37'06 | 0♊26 | 24°56 | 5°22 | 21°17 | 0♋ 0 | 15°43 | 23°26 | 25°12 | 15°54 | 27° 5 | 28°55 | 11°39 | 14°44 | M 4 |
| T 5 | 15 17 30 | 20°34'42 | 12°19 | 26°12 | 4°55 | 21°56 | 0°12 | 15°42 | 23°24 | 25°10 | 15°55 | 27° 2 | 28°51 | 11°45 | 14°46 | T 5 |
| W 6 | 15 21 26 | 21°32'17 | 24°16 | 27°31 | 4°30 | 22°36 | 0°24 | 15°40 | 23°22 | 25° 9 | 15°57 | 27°D 1 | 28°48 | 11°52 | 14°48 | W 6 |
| T 7 | 15 25 23 | 22°29'51 | 6♋22 | 28°52 | 4° 7 | 23°15 | 0°36 | 15°38 | 23°20 | 25° 7 | 15°58 | 27° 1 | 28°45 | 11°59 | 14°50 | T 7 |
| F 8 | 15 29 19 | 23°27'23 | 18°38 | 0♉16 | 3°47 | 23°54 | 0°48 | 15°37 | 23°18 | 25° 6 | 15°59 | 27° 2 | 28°42 | 12° 5 | 14°52 | F 8 |
| S 9 | 15 33 16 | 24°24'54 | 1♌ 8 | 1°43 | 3°28 | 24°34 | 1° 0 | 15°35 | 23°16 | 25° 5 | 16° 1 | 27° 4 | 28°39 | 12°12 | 14°53 | S 9 |
| S 10 | 15 37 12 | 25°22'24 | 13°56 | 3°12 | 3°12 | 25°13 | 1°12 | 15°33 | 23°14 | 25° 3 | 16° 2 | 27° 5 | 28°36 | 12°19 | 14°55 | S 10 |
| M11 | 15 41 9 | 26°19'52 | 27° 7 | 4°43 | 2°58 | 25°52 | 1°24 | 15°31 | 23°12 | 25° 2 | 16° 3 | 27°R 6 | 28°32 | 12°25 | 14°57 | M11 |
| T 12 | 15 45 6 | 27°17'19 | 10♍41 | 6°17 | 2°47 | 26°31 | 1°36 | 15°29 | 23°10 | 25° 1 | 16° 5 | 27° 5 | 28°29 | 12°32 | 14°59 | T 12 |
| W13 | 15 49 2 | 28°14'44 | 24°42 | 7°54 | 2°38 | 27°10 | 1°49 | 15°26 | 23° 8 | 24°59 | 16° 6 | 27° 3 | 28°26 | 12°39 | 15° 0 | W13 |
| T 14 | 15 52 59 | 29°12'08 | 9♎ 9 | 9°33 | 2°32 | 27°49 | 2° 1 | 15°24 | 23° 6 | 24°58 | 16° 7 | 27° 0 | 28°23 | 12°45 | 15° 2 | T 14 |
| F 15 | 15 56 55 | 0♏ 9'31 | 23°57 | 11°15 | 2°28 | 28°27 | 2°13 | 15°22 | 23° 4 | 24°57 | 16° 9 | 26°57 | 28°20 | 12°52 | 15° 3 | F 15 |
| S 16 | 16 0 52 | 1° 6'53 | 9♏ 1 | 12°59 | 2°D26 | 29° 6 | 2°26 | 15°19 | 23° 2 | 24°55 | 16°10 | 26°53 | 28°17 | 12°59 | 15° 5 | S 16 |
| S 17 | 16 4 48 | 2° 4'14 | 24°12 | 14°45 | 2°27 | 29°44 | 2°38 | 15°17 | 23° 0 | 24°54 | 16°11 | 26°50 | 28°13 | 13° 5 | 15° 6 | S 17 |
| M18 | 16 8 45 | 3° 1'35 | 9♐20 | 16°34 | 2°30 | 0♓23 | 2°51 | 15°14 | 22°59 | 24°53 | 16°13 | 26°48 | 28°10 | 13°12 | 15° 7 | M18 |
| T 19 | 16 12 41 | 3°58'54 | 24°16 | 18°25 | 2°35 | 1° 1 | 3° 3 | 15°11 | 22°57 | 24°52 | 16°14 | 26°D48 | 28° 7 | 13°19 | 15° 9 | T 19 |
| W20 | 16 16 38 | 4°56'13 | 8♑52 | 20°19 | 2°42 | 1°39 | 3°16 | 15° 8 | 22°55 | 24°51 | 16°15 | 26°48 | 28° 4 | 13°26 | 15°10 | W20 |
| T 21 | 16 20 35 | 5°53'31 | 23° 4 | 22°15 | 2°52 | 2°17 | 3°28 | 15° 6 | 22°54 | 24°49 | 16°17 | 26°49 | 28° 1 | 13°32 | 15°11 | T 21 |
| F 22 | 16 24 31 | 6°50'48 | 6♒49 | 24°13 | 3° 4 | 2°55 | 3°41 | 15° 3 | 22°52 | 24°48 | 16°18 | 26°50 | 27°57 | 13°39 | 15°12 | F 22 |
| S 23 | 16 28 28 | 7°48'05 | 20° 8 | 26°14 | 3°17 | 3°33 | 3°54 | 15° 0 | 22°50 | 24°47 | 16°19 | 26°51 | 27°54 | 13°46 | 15°13 | S 23 |
| S 24 | 16 32 24 | 8°45'22 | 3♓ 3 | 28°16 | 3°33 | 4°10 | 4° 6 | 14°57 | 22°49 | 24°46 | 16°20 | 26°R52 | 27°51 | 13°52 | 15°14 | S 24 |
| M25 | 16 36 21 | 9°42'38 | 15°37 | 0♊20 | 3°51 | 4°48 | 4°19 | 14°53 | 22°47 | 24°45 | 16°22 | 26°52 | 27°48 | 13°59 | 15°15 | M25 |
| T 26 | 16 40 17 | 10°39'53 | 27°54 | 2°26 | 4°10 | 5°25 | 4°32 | 14°50 | 22°46 | 24°44 | 16°23 | 26°51 | 27°45 | 14° 6 | 15°16 | T 26 |
| W27 | 16 44 14 | 11°37'09 | 9♈58 | 4°34 | 4°32 | 6° 2 | 4°45 | 14°47 | 22°45 | 24°43 | 16°24 | 26°50 | 27°42 | 14°12 | 15°17 | W27 |
| T 28 | 16 48 10 | 12°34'24 | 21°53 | 6°43 | 4°55 | 6°39 | 4°58 | 14°44 | 22°43 | 24°42 | 16°25 | 26°48 | 27°38 | 14°19 | 15°18 | T 28 |
| F 29 | 16 52 7 | 13°31'39 | 3♉44 | 8°53 | 5°19 | 7°16 | 5°11 | 14°40 | 22°42 | 24°41 | 16°27 | 26°46 | 27°35 | 14°26 | 15°19 | F 29 |
| S 30 | 16 56 4 | 14°28'53 | 15°33 | 11° 3 | 5°46 | 7°53 | 5°24 | 14°37 | 22°41 | 24°40 | 16°28 | 26°44 | 27°32 | 14°32 | 15°19 | S 30 |
| S 31 | 17 0 0 | 15♊26'07 | 27♉24 | 13♊15 | 6♉14 | 8♓30 | 5♋37 | 14♋33 | 22♎39 | 24♎39 | 16♉29 | 26♐43 | 27♐29 | 14♉39 | 15♓20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n55 | 13n56 | 4n34 | 5n23 | 3s15 | 16n21 | 2n37 | 16s58 | 1s58 | 23n40 | 0n 7 | 22s22 | 0n15 | 8s39 | 0n34 | 8s 3 | 1n54 | 3n38 | 13s34 | 23s32 | 23s33 | 18n55 | 1s47 | 4n39 |
| S 2 | 17 11 | 17 36 | 3 59 | 5 49 | 3 13 | 15 57 | 2 23 | 16 47 | 2 0 | 23 40 | 0 7 | 22 22 | 0 15 | 8 38 | 0 34 | 8 3 | 1 54 | 3 39 | 13 34 | 23 31 | 23 33 | 18 56 | 1 46 | 4 39 |
| S 3 | 17 27 | 20 32 | 3 14 | 6 17 | 3 11 | 15 33 | 2 8 | 16 36 | 2 1 | 23 40 | 0 7 | 22 23 | 0 15 | 8 38 | 0 34 | 8 2 | 1 54 | 3 39 | 13 34 | 23 31 | 23 33 | 18 58 | 1 45 | 4 39 |
| M 4 | 17 43 | 22 37 | 2 20 | 6 47 | 3 9 | 15 10 | 1 54 | 16 25 | 2 3 | 23 40 | 0 7 | 22 23 | 0 15 | 8 37 | 0 34 | 8 2 | 1 54 | 3 40 | 13 34 | 23 31 | 23 33 | 18 59 | 1 44 | 4 40 |
| T 5 | 17 59 | 23 41 | 1 19 | 7 17 | 3 5 | 14 47 | 1 40 | 16 14 | 2 5 | 23 40 | 0 7 | 22 23 | 0 14 | 8 36 | 0 34 | 8 1 | 1 54 | 3 40 | 13 34 | 23 31 | 23 33 | 19 1 | 1 44 | 4 40 |
| W 6 | 18 14 | 23 41 | 0 15 | 7 49 | 3 1 | 14 26 | 1 26 | 16 2 | 2 7 | 23 40 | 0 7 | 22 23 | 0 14 | 8 35 | 0 34 | 8 1 | 1 54 | 3 40 | 13 34 | 23 31 | 23 33 | 19 3 | 1 43 | 4 40 |
| T 7 | 18 29 | 22 33 | 0s51 | 8 22 | 2 57 | 14 5 | 1 12 | 15 51 | 2 8 | 23 40 | 0 7 | 22 24 | 0 14 | 8 35 | 0 34 | 8 0 | 1 54 | 3 41 | 13 34 | 23 31 | 23 33 | 19 4 | 1 42 | 4 40 |
| F 8 | 18 43 | 20 21 | 1 55 | 8 57 | 2 51 | 13 45 | 0 58 | 15 40 | 2 10 | 23 40 | 0 7 | 22 24 | 0 14 | 8 34 | 0 34 | 8 0 | 1 54 | 3 41 | 13 34 | 23 31 | 23 33 | 19 6 | 1 41 | 4 40 |
| S 9 | 18 58 | 17 8 | 2 56 | 9 32 | 2 46 | 13 26 | 0 45 | 15 28 | 2 12 | 23 40 | 0 7 | 22 24 | 0 14 | 8 33 | 0 34 | 7 59 | 1 54 | 3 41 | 13 34 | 23 31 | 23 33 | 19 7 | 1 40 | 4 41 |
| S 10 | 19 12 | 13 4 | 3 49 | 10 8 | 2 39 | 13 8 | 0 31 | 15 16 | 2 14 | 23 40 | 0 7 | 22 24 | 0 14 | 8 32 | 0 34 | 7 59 | 1 54 | 3 42 | 13 34 | 23 31 | 23 33 | 19 9 | 1 39 | 4 41 |
| M11 | 19 25 | 8 16 | 4 32 | 10 46 | 2 33 | 12 51 | 0 18 | 15 5 | 2 16 | 23 40 | 0 7 | 22 25 | 0 14 | 8 32 | 0 34 | 7 58 | 1 54 | 3 42 | 13 34 | 23 31 | 23 33 | 19 10 | 1 38 | 4 41 |
| T 12 | 19 39 | 2 57 | 5 1 | 11 24 | 2 25 | 12 35 | 0 6 | 14 53 | 2 17 | 23 40 | 0 8 | 22 25 | 0 14 | 8 31 | 0 34 | 7 58 | 1 54 | 3 42 | 13 34 | 23 31 | 23 33 | 19 12 | 1 37 | 4 41 |
| W13 | 19 52 | 2s41 | 5 13 | 12 2 | 2 17 | 12 21 | 0s 6 | 14 41 | 2 19 | 23 40 | 0 8 | 22 25 | 0 14 | 8 30 | 0 34 | 7 57 | 1 54 | 3 43 | 13 34 | 23 31 | 23 33 | 19 13 | 1 37 | 4 41 |
| T 14 | 20 4 | 8 20 | 5 7 | 12 42 | 2 9 | 12 7 | 0 18 | 14 30 | 2 21 | 23 40 | 0 8 | 22 26 | 0 14 | 8 30 | 0 34 | 7 57 | 1 53 | 3 43 | 13 34 | 23 31 | 23 32 | 19 15 | 1 36 | 4 42 |
| F 15 | 20 17 | 13 40 | 4 40 | 13 22 | 2 0 | 11 55 | 0 30 | 14 18 | 2 23 | 23 40 | 0 8 | 22 26 | 0 14 | 8 29 | 0 34 | 7 57 | 1 53 | 3 43 | 13 34 | 23 31 | 23 32 | 19 16 | 1 35 | 4 42 |
| S 16 | 20 29 | 18 15 | 3 53 | 14 2 | 1 51 | 11 44 | 0 41 | 14 6 | 2 25 | 23 40 | 0 8 | 22 26 | 0 14 | 8 28 | 0 34 | 7 56 | 1 53 | 3 44 | 13 34 | 23 31 | 23 32 | 19 18 | 1 34 | 4 42 |
| S 17 | 20 40 | 21 39 | 2 50 | 14 43 | 1 42 | 11 34 | 0 52 | 13 54 | 2 26 | 23 40 | 0 8 | 22 27 | 0 14 | 8 28 | 0 34 | 7 56 | 1 53 | 3 44 | 13 34 | 23 31 | 23 32 | 19 19 | 1 34 | 4 42 |
| M18 | 20 52 | 23 31 | 1 35 | 15 24 | 1 32 | 11 25 | 1 2 | 13 42 | 2 28 | 23 39 | 0 8 | 22 27 | 0 14 | 8 27 | 0 34 | 7 55 | 1 53 | 3 44 | 13 35 | 23 31 | 23 32 | 19 20 | 1 33 | 4 42 |
| T 19 | 21 3 | 23 39 | 0 14 | 16 5 | 1 22 | 11 18 | 1 12 | 13 30 | 2 30 | 23 39 | 0 8 | 22 27 | 0 14 | 8 26 | 0 34 | 7 55 | 1 53 | 3 45 | 13 35 | 23 31 | 23 32 | 19 22 | 1 32 | 4 43 |
| W20 | 21 13 | 22 9 | 1n 6 | 16 46 | 1 11 | 11 11 | 1 22 | 13 18 | 2 32 | 23 39 | 0 8 | 22 28 | 0 13 | 8 26 | 0 34 | 7 54 | 1 53 | 3 45 | 13 35 | 23 31 | 23 32 | 19 23 | 1 32 | 4 43 |
| T 21 | 21 23 | 19 16 | 2 20 | 17 26 | 1 1 | 11 6 | 1 31 | 13 6 | 2 34 | 23 39 | 0 8 | 22 28 | 0 13 | 8 25 | 0 34 | 7 54 | 1 53 | 3 45 | 13 35 | 23 31 | 23 32 | 19 25 | 1 31 | 4 43 |
| F 22 | 21 33 | 15 22 | 3 23 | 18 7 | 0 50 | 11 2 | 1 40 | 12 54 | 2 36 | 23 38 | 0 9 | 22 29 | 0 13 | 8 25 | 0 34 | 7 54 | 1 53 | 3 46 | 13 35 | 23 31 | 23 32 | 19 26 | 1 30 | 4 43 |
| S 23 | 21 43 | 10 50 | 4 13 | 18 46 | 0 39 | 10 59 | 1 48 | 12 42 | 2 38 | 23 38 | 0 9 | 22 29 | 0 13 | 8 24 | 0 34 | 7 53 | 1 53 | 3 46 | 13 35 | 23 31 | 23 32 | 19 28 | 1 30 | 4 43 |
| S 24 | 21 52 | 5 56 | 4 49 | 19 25 | 0 28 | 10 56 | 1 56 | 12 30 | 2 39 | 23 38 | 0 9 | 22 29 | 0 13 | 8 23 | 0 34 | 7 53 | 1 53 | 3 46 | 13 35 | 23 31 | 23 32 | 19 29 | 1 29 | 4 44 |
| M25 | 22 1 | 0 56 | 5 10 | 20 3 | 0 17 | 10 55 | 2 4 | 12 18 | 2 41 | 23 38 | 0 9 | 22 30 | 0 13 | 8 23 | 0 34 | 7 53 | 1 53 | 3 46 | 13 35 | 23 31 | 23 32 | 19 31 | 1 28 | 4 44 |
| T 26 | 22 9 | 3n59 | 5 16 | 20 39 | 0 6 | 10 55 | 2 11 | 12 6 | 2 43 | 23 37 | 0 9 | 22 30 | 0 13 | 8 22 | 0 34 | 7 52 | 1 53 | 3 47 | 13 35 | 23 31 | 23 32 | 19 32 | 1 28 | 4 44 |
| W27 | 22 17 | 8 40 | 5 8 | 21 14 | 0n 5 | 10 55 | 2 18 | 11 54 | 2 45 | 23 37 | 0 9 | 22 31 | 0 13 | 8 22 | 0 34 | 7 52 | 1 53 | 3 47 | 13 35 | 23 31 | 23 32 | 19 33 | 1 27 | 4 44 |
| T 28 | 22 25 | 12 59 | 4 46 | 21 47 | 0 16 | 10 57 | 2 25 | 11 41 | 2 47 | 23 36 | 0 9 | 22 31 | 0 13 | 8 21 | 0 34 | 7 52 | 1 53 | 3 47 | 13 35 | 23 31 | 23 32 | 19 35 | 1 27 | 4 45 |
| F 29 | 22 32 | 16 47 | 4 13 | 22 19 | 0 26 | 10 59 | 2 31 | 11 29 | 2 49 | 23 36 | 0 9 | 22 32 | 0 13 | 8 21 | 0 34 | 7 51 | 1 53 | 3 47 | 13 35 | 23 31 | 23 32 | 19 36 | 1 26 | 4 45 |
| S 30 | 22 39 | 19 54 | 3 29 | 22 48 | 0 36 | 11 2 | 2 37 | 11 17 | 2 51 | 23 36 | 0 9 | 22 32 | 0 13 | 8 21 | 0 34 | 7 51 | 1 53 | 3 48 | 13 35 | 23 31 | 23 32 | 19 38 | 1 26 | 4 45 |
| S 31 | 22n45 | 22n11 | 2n35 | 23n15 | 0n46 | 11n 6 | 2s42 | 11s 5 | 2s53 | 23n35 | 0n 9 | 22s33 | 0n13 | 8s20 | 0n34 | 7s51 | 1n53 | 3n48 | 13s36 | 23s31 | 23s32 | 19n39 | 1s25 | 4n45 |

Julian Day Number = 2136102.5, Delta T = 15m54s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°41'57, Lahiri = 11°48'57 Julian Calendar 1 May 1136 == Greg. Calendar 8 May 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## JUNE 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 3 57 | 16♊23'21 | 9♊18 | 15♊26 | 6♉43 | 9♓ 6 | 5♋50 | 14°R30 | 22°R38 | 24°R38 | 16♉30 | 26°R42 | 27♐26 | 14♉46 | 15♓21 | M 1 |
| T 2 | 17 7 53 | 17°20'35 | 21°18 | 17°38 | 7°14 | 9°42 | 6° 3 | 14♉26 | 22♎37 | 24♎38 | 16°32 | 26°D41 | 27°23 | 14°52 | 15°21 | T 2 |
| W 3 | 17 11 50 | 18°17'48 | 3♋26 | 19°49 | 7°46 | 10°18 | 6°16 | 14°22 | 22°36 | 24°37 | 16°33 | 26♐41 | 27°19 | 14°59 | 15°22 | W 3 |
| T 4 | 17 15 46 | 19°15'01 | 15°44 | 22° 0 | 8°20 | 10°54 | 6°29 | 14°18 | 22°35 | 24°36 | 16°34 | 26°42 | 27°16 | 15° 6 | 15°22 | T 4 |
| F 5 | 17 19 43 | 20°12'13 | 28°13 | 24°10 | 8°54 | 11°30 | 6°42 | 14°15 | 22°34 | 24°35 | 16°35 | 26°42 | 27°13 | 15°12 | 15°23 | F 5 |
| S 6 | 17 23 40 | 21° 9'25 | 10♌56 | 26°19 | 9°30 | 12° 5 | 6°56 | 14°11 | 22°33 | 24°34 | 16°36 | 26°43 | 27°10 | 15°19 | 15°23 | S 6 |
| S 7 | 17 27 36 | 22° 6'36 | 23°54 | 28°26 | 10° 8 | 12°40 | 7° 9 | 14° 7 | 22°32 | 24°34 | 16°37 | 26°43 | 27° 7 | 15°26 | 15°23 | S 7 |
| M 8 | 17 31 33 | 23° 3'47 | 7♍ 9 | 0♋33 | 10°46 | 13°15 | 7°22 | 14° 3 | 22°31 | 24°33 | 16°38 | 26°44 | 27° 3 | 15°32 | 15°23 | M 8 |
| T 9 | 17 35 29 | 24° 0'57 | 20°44 | 2°37 | 11°25 | 13°50 | 7°35 | 13°59 | 22°31 | 24°32 | 16°40 | 26°R44 | 27° 0 | 15°39 | 15°24 | T 9 |
| W10 | 17 39 26 | 24°58'07 | 4♎37 | 4°41 | 12° 6 | 14°25 | 7°49 | 13°55 | 22°30 | 24°32 | 16°41 | 26°44 | 26°57 | 15°46 | 15°24 | W10 |
| T 11 | 17 43 22 | 25°55'17 | 18°51 | 6°42 | 12°47 | 14°59 | 8° 2 | 13°51 | 22°29 | 24°31 | 16°42 | 26°44 | 26°54 | 15°53 | 15°24 | T 11 |
| F 12 | 17 47 19 | 26°52'26 | 3♏21 | 8°42 | 13°30 | 15°33 | 8°15 | 13°47 | 22°28 | 24°31 | 16°43 | 26°D44 | 26°51 | 15°59 | 15°R24 | F 12 |
| S 13 | 17 51 15 | 27°49'35 | 18° 4 | 10°39 | 14°13 | 16° 7 | 8°28 | 13°43 | 22°28 | 24°30 | 16°44 | 26°44 | 26°48 | 16° 6 | 15°24 | S 13 |
| S 14 | 17 55 12 | 28°46'44 | 2♐55 | 12°35 | 14°58 | 16°41 | 8°42 | 13°38 | 22°27 | 24°30 | 16°45 | 26°44 | 26°44 | 16°13 | 15°24 | S 14 |
| M15 | 17 59 9 | 29°43'53 | 17°47 | 14°29 | 15°43 | 17°14 | 8°55 | 13°34 | 22°27 | 24°29 | 16°46 | 26°44 | 26°41 | 16°19 | 15°24 | M15 |
| T 16 | 18 3 5 | 0♋41'01 | 2♑32 | 16°21 | 16°29 | 17°48 | 9° 8 | 13°30 | 22°26 | 24°29 | 16°47 | 26°R44 | 26°38 | 16°26 | 15°23 | T 16 |
| W17 | 18 7 2 | 1°38'10 | 17° 3 | 18°11 | 17°16 | 18°21 | 9°22 | 13°26 | 22°26 | 24°28 | 16°48 | 26°44 | 26°35 | 16°33 | 15°23 | W17 |
| T 18 | 18 10 58 | 2°35'19 | 1♒14 | 19°59 | 18° 3 | 18°53 | 9°35 | 13°21 | 22°26 | 24°28 | 16°49 | 26°43 | 26°32 | 16°39 | 15°23 | T 18 |
| F 19 | 18 14 55 | 3°32'29 | 15° 2 | 21°44 | 18°52 | 19°26 | 9°49 | 13°17 | 22°25 | 24°28 | 16°50 | 26°43 | 26°29 | 16°46 | 15°22 | F 19 |
| S 20 | 18 18 51 | 4°29'38 | 28°25 | 23°28 | 19°41 | 19°58 | 10° 2 | 13°13 | 22°25 | 24°27 | 16°51 | 26°42 | 26°25 | 16°53 | 15°22 | S 20 |
| S 21 | 18 22 48 | 5°26'48 | 11♓24 | 25°10 | 20°31 | 20°30 | 10°15 | 13° 8 | 22°25 | 24°27 | 16°52 | 26°41 | 26°22 | 16°59 | 15°21 | S 21 |
| M22 | 18 26 44 | 6°23'59 | 24° 1 | 26°50 | 21°21 | 21° 1 | 10°29 | 13° 4 | 22°25 | 24°27 | 16°53 | 26°40 | 26°19 | 17° 6 | 15°21 | M22 |
| T 23 | 18 30 41 | 7°21'10 | 6♈20 | 28°28 | 22°12 | 21°33 | 10°42 | 12°59 | 22°25 | 24°26 | 16°54 | 26°D40 | 26°16 | 17°13 | 15°20 | T 23 |
| W24 | 18 34 38 | 8°18'21 | 18°25 | 0♌ 4 | 23° 4 | 22° 4 | 10°56 | 12°55 | 22°D25 | 24°26 | 16°55 | 26°40 | 26°13 | 17°19 | 15°20 | W24 |
| T 25 | 18 38 34 | 9°15'34 | 0♉20 | 1°38 | 23°57 | 22°34 | 11° 9 | 12°51 | 22°25 | 24°26 | 16°56 | 26°41 | 26° 9 | 17°26 | 15°19 | T 25 |
| F 26 | 18 42 31 | 10°12'46 | 12°11 | 3° 9 | 24°50 | 23° 5 | 11°22 | 12°46 | 22°25 | 24°26 | 16°57 | 26°42 | 26° 6 | 17°33 | 15°18 | F 26 |
| S 27 | 18 46 27 | 11°10'00 | 24° 0 | 4°39 | 25°43 | 23°35 | 11°36 | 12°42 | 22°25 | 24°26 | 16°58 | 26°43 | 26° 3 | 17°39 | 15°17 | S 27 |
| S 28 | 18 50 24 | 12° 7'14 | 5♊54 | 6° 7 | 26°37 | 24° 4 | 11°49 | 12°37 | 22°25 | 24°26 | 16°58 | 26°44 | 26° 0 | 17°46 | 15°17 | S 28 |
| M29 | 18 54 20 | 13° 4'29 | 17°54 | 7°33 | 27°32 | 24°33 | 12° 3 | 12°33 | 22°25 | 24°26 | 16°59 | 26°45 | 25°57 | 17°53 | 15°16 | M29 |
| T 30 | 18 58 17 | 14♋ 1'45 | 0♋ 3 | 8♌56 | 28♉27 | 25♓ 2 | 12♋16 | 12♑28 | 22♎26 | 24°D26 | 17♉ 0 | 26°R45 | 25♐54 | 17♉59 | 15♓15 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n51 | 23n31 | 1n35 | 23n40 | 0n55 | 11n11 | 2s48 | 10s53 | 2s55 | 23n35 | 0n 9 | 22s33 | 0n13 | 8s20 | 0n33 | 7s51 | 1n53 | 3n48 | 13s36 | 23s31 | 23s32 | 19n40 | 1s25 | 4n45 |
| T 2 | 22 57 | 23 46 | 0 30 | 24 2 | 1 4 | 11 16 | 2 52 | 10 41 | 2 57 | 23 34 | 0 9 | 22 33 | 0 12 | 8 19 | 0 33 | 7 50 | 1 53 | 3 48 | 13 36 | 23 31 | 23 31 | 19 42 | 1 25 | 4 46 |
| W 3 | 23 2 | 22 53 | 0s37 | 24 21 | 1 12 | 11 22 | 2 57 | 10 29 | 2 59 | 23 34 | 0 10 | 22 34 | 0 12 | 8 19 | 0 33 | 7 50 | 1 53 | 3 48 | 13 36 | 23 31 | 23 31 | 19 43 | 1 24 | 4 46 |
| T 4 | 23 7 | 20 54 | 1 44 | 24 37 | 1 19 | 11 29 | 3 1 | 10 17 | 3 0 | 23 33 | 0 10 | 22 34 | 0 12 | 8 19 | 0 33 | 7 50 | 1 53 | 3 49 | 13 36 | 23 31 | 23 31 | 19 45 | 1 24 | 4 46 |
| F 5 | 23 11 | 17 54 | 2 46 | 24 51 | 1 26 | 11 36 | 3 5 | 10 6 | 3 2 | 23 33 | 0 10 | 22 35 | 0 12 | 8 18 | 0 33 | 7 50 | 1 53 | 3 49 | 13 36 | 23 31 | 23 31 | 19 46 | 1 23 | 4 46 |
| S 6 | 23 15 | 14 1 | 3 42 | 25 2 | 1 32 | 11 44 | 3 9 | 9 54 | 3 4 | 23 32 | 0 10 | 22 35 | 0 12 | 8 18 | 0 33 | 7 49 | 1 52 | 3 49 | 13 36 | 23 31 | 23 31 | 19 47 | 1 23 | 4 46 |
| S 7 | 23 19 | 9 25 | 4 27 | 25 10 | 1 37 | 11 52 | 3 13 | 9 42 | 3 6 | 23 31 | 0 10 | 22 36 | 0 12 | 8 18 | 0 33 | 7 49 | 1 52 | 3 49 | 13 36 | 23 31 | 23 31 | 19 49 | 1 23 | 4 47 |
| M 8 | 23 22 | 4 18 | 4 59 | 25 15 | 1 42 | 12 1 | 3 16 | 9 30 | 3 8 | 23 31 | 0 10 | 22 36 | 0 12 | 8 17 | 0 33 | 7 49 | 1 52 | 3 49 | 13 37 | 23 31 | 23 31 | 19 50 | 1 23 | 4 47 |
| T 9 | 23 25 | 1s 9 | 5 16 | 25 18 | 1 46 | 12 11 | 3 19 | 9 18 | 3 10 | 23 30 | 0 10 | 22 37 | 0 12 | 8 17 | 0 33 | 7 49 | 1 52 | 3 50 | 13 37 | 23 31 | 23 31 | 19 51 | 1 22 | 4 47 |
| W10 | 23 27 | 6 39 | 5 14 | 25 17 | 1 49 | 12 20 | 3 22 | 9 7 | 3 12 | 23 29 | 0 10 | 22 37 | 0 12 | 8 17 | 0 33 | 7 49 | 1 52 | 3 50 | 13 37 | 23 31 | 23 31 | 19 53 | 1 22 | 4 47 |
| T 11 | 23 29 | 11 57 | 4 54 | 25 14 | 1 52 | 12 30 | 3 24 | 8 55 | 3 14 | 23 29 | 0 10 | 22 38 | 0 12 | 8 17 | 0 33 | 7 48 | 1 52 | 3 50 | 13 37 | 23 31 | 23 31 | 19 54 | 1 22 | 4 48 |
| F 12 | 23 31 | 16 41 | 4 15 | 25 9 | 1 54 | 12 41 | 3 26 | 8 44 | 3 16 | 23 28 | 0 10 | 22 38 | 0 12 | 8 16 | 0 33 | 7 48 | 1 52 | 3 50 | 13 37 | 23 31 | 23 31 | 19 55 | 1 22 | 4 48 |
| S 13 | 23 32 | 20 28 | 3 19 | 25 1 | 1 55 | 12 52 | 3 28 | 8 32 | 3 18 | 23 27 | 0 10 | 22 39 | 0 12 | 8 16 | 0 33 | 7 48 | 1 52 | 3 50 | 13 37 | 23 31 | 23 31 | 19 57 | 1 21 | 4 48 |
| S 14 | 23 33 | 22 56 | 2 8 | 24 52 | 1 55 | 13 3 | 3 30 | 8 21 | 3 20 | 23 26 | 0 11 | 22 39 | 0 12 | 8 16 | 0 33 | 7 48 | 1 52 | 3 50 | 13 37 | 23 31 | 23 31 | 19 58 | 1 21 | 4 48 |
| M15 | 23 33 | 23 48 | 0 50 | 24 39 | 1 55 | 13 15 | 3 32 | 8 10 | 3 22 | 23 26 | 0 11 | 22 40 | 0 11 | 8 16 | 0 33 | 7 48 | 1 52 | 3 50 | 13 38 | 23 31 | 23 31 | 19 59 | 1 21 | 4 48 |
| T 16 | 23 33 | 22 59 | 0n32 | 24 25 | 1 54 | 13 26 | 3 33 | 7 58 | 3 24 | 23 25 | 0 11 | 22 40 | 0 11 | 8 16 | 0 33 | 7 48 | 1 52 | 3 51 | 13 38 | 23 31 | 23 30 | 20 1 | 1 21 | 4 49 |
| W17 | 23 32 | 20 38 | 1 50 | 24 10 | 1 52 | 13 38 | 3 34 | 7 47 | 3 26 | 23 24 | 0 11 | 22 41 | 0 11 | 8 16 | 0 33 | 7 48 | 1 52 | 3 51 | 13 38 | 23 31 | 23 30 | 20 2 | 1 21 | 4 49 |
| T 18 | 23 32 | 17 3 | 3 0 | 23 52 | 1 50 | 13 51 | 3 35 | 7 36 | 3 28 | 23 23 | 0 11 | 22 42 | 0 11 | 8 16 | 0 33 | 7 48 | 1 52 | 3 51 | 13 38 | 23 31 | 23 30 | 20 3 | 1 21 | 4 49 |
| F 19 | 23 30 | 12 37 | 3 57 | 23 33 | 1 47 | 14 3 | 3 36 | 7 25 | 3 30 | 23 22 | 0 11 | 22 42 | 0 11 | 8 16 | 0 33 | 7 47 | 1 52 | 3 51 | 13 38 | 23 31 | 23 30 | 20 5 | 1 21 | 4 49 |
| S 20 | 23 28 | 7 43 | 4 39 | 23 12 | 1 43 | 14 16 | 3 36 | 7 14 | 3 32 | 23 21 | 0 11 | 22 43 | 0 11 | 8 15 | 0 33 | 7 47 | 1 52 | 3 51 | 13 38 | 23 31 | 23 30 | 20 6 | 1 21 | 4 50 |
| S 21 | 23 26 | 2 36 | 5 6 | 22 50 | 1 39 | 14 29 | 3 37 | 7 3 | 3 34 | 23 20 | 0 11 | 22 43 | 0 11 | 8 15 | 0 33 | 7 47 | 1 52 | 3 51 | 13 39 | 23 31 | 23 30 | 20 7 | 1 21 | 4 50 |
| M22 | 23 24 | 2n27 | 5 17 | 22 26 | 1 35 | 14 42 | 3 37 | 6 53 | 3 36 | 23 19 | 0 11 | 22 44 | 0 11 | 8 15 | 0 33 | 7 47 | 1 52 | 3 51 | 13 39 | 23 31 | 23 30 | 20 8 | 1 21 | 4 50 |
| T 23 | 23 21 | 7 18 | 5 13 | 22 2 | 1 30 | 14 55 | 3 37 | 6 42 | 3 38 | 23 18 | 0 11 | 22 44 | 0 11 | 8 15 | 0 33 | 7 47 | 1 52 | 3 51 | 13 39 | 23 31 | 23 30 | 20 10 | 1 21 | 4 50 |
| W24 | 23 17 | 11 47 | 4 55 | 21 36 | 1 24 | 15 8 | 3 37 | 6 31 | 3 40 | 23 17 | 0 11 | 22 45 | 0 11 | 8 15 | 0 33 | 7 47 | 1 51 | 3 51 | 13 39 | 23 31 | 23 30 | 20 11 | 1 21 | 4 50 |
| T 25 | 23 14 | 15 45 | 4 24 | 21 9 | 1 18 | 15 21 | 3 36 | 6 21 | 3 42 | 23 16 | 0 12 | 22 45 | 0 11 | 8 15 | 0 33 | 7 47 | 1 51 | 3 51 | 13 39 | 23 31 | 23 30 | 20 12 | 1 21 | 4 51 |
| F 26 | 23 9 | 19 5 | 3 43 | 20 42 | 1 11 | 15 34 | 3 36 | 6 11 | 3 44 | 23 15 | 0 12 | 22 46 | 0 11 | 8 16 | 0 33 | 7 47 | 1 51 | 3 51 | 13 39 | 23 31 | 23 30 | 20 14 | 1 21 | 4 51 |
| S 27 | 23 5 | 21 38 | 2 52 | 20 14 | 1 4 | 15 47 | 3 35 | 6 1 | 3 46 | 23 14 | 0 12 | 22 46 | 0 10 | 8 16 | 0 33 | 7 47 | 1 51 | 3 51 | 13 40 | 23 31 | 23 30 | 20 15 | 1 21 | 4 51 |
| S 28 | 23 0 | 23 15 | 1 53 | 19 45 | 0 57 | 16 1 | 3 35 | 5 51 | 3 48 | 23 13 | 0 12 | 22 47 | 0 10 | 8 16 | 0 33 | 7 47 | 1 51 | 3 51 | 13 40 | 23 31 | 23 29 | 20 16 | 1 21 | 4 51 |
| M29 | 22 54 | 23 48 | 0 49 | 19 16 | 0 49 | 16 14 | 3 34 | 5 41 | 3 50 | 23 12 | 0 12 | 22 47 | 0 10 | 8 16 | 0 33 | 7 47 | 1 51 | 3 51 | 13 40 | 23 31 | 23 29 | 20 17 | 1 21 | 4 51 |
| T 30 | 22n48 | 23n15 | 0s18 | 18n46 | 0n41 | 16n27 | 3s33 | 5s31 | 3s52 | 23n11 | 0n12 | 22s48 | 0n10 | 8s16 | 0n32 | 7s47 | 1n51 | 3n51 | 13s40 | 23s31 | 23s29 | 20n18 | 1s22 | 4n52 |

Julian Day Number = 2136133.5, Delta T = 15m54s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'01, Lahiri = 11°49'02 Julian Calendar 1 June 1136 == Greg. Calendar 8 June 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## JULY 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 2 13 | 14♋59'01 | 12♋25 | 10♌18 | 29♉23 | 25♓31 | 12♋30 | 12°R24 | 22♎26 | 24♎26 | 17♉ 1 | 26°R45 | 25♐50 | 18♉ 6 | 15°R14 | W 1 |
| T 2 | 19 6 10 | 15°56'18 | 24°59 | 11°37 | 0♊19 | 25°59 | 12°43 | 12♑19 | 22°26 | 24°26 | 17° 2 | 26♐43 | 25°47 | 18°13 | 15♓13 | T 2 |
| F 3 | 19 10 7 | 16°53'35 | 7♌48 | 12°54 | 1°15 | 26°27 | 12°56 | 12°15 | 22°27 | 24°26 | 17° 2 | 26°41 | 25°44 | 18°19 | 15°12 | F 3 |
| S 4 | 19 14 3 | 17°50'53 | 20°51 | 14° 9 | 2°12 | 26°54 | 13°10 | 12°11 | 22°27 | 24°26 | 17° 3 | 26°38 | 25°41 | 18°26 | 15°10 | S 4 |
| S 5 | 19 18 0 | 18°48'11 | 4♍ 7 | 15°21 | 3°10 | 27°21 | 13°23 | 12° 6 | 22°28 | 24°26 | 17° 4 | 26°35 | 25°38 | 18°33 | 15° 9 | S 5 |
| M 6 | 19 21 56 | 19°45'30 | 17°38 | 16°31 | 4° 8 | 27°47 | 13°37 | 12° 2 | 22°28 | 24°26 | 17° 5 | 26°32 | 25°35 | 18°39 | 15° 8 | M 6 |
| T 7 | 19 25 53 | 20°42'49 | 1♎21 | 17°39 | 5° 6 | 28°14 | 13°50 | 11°57 | 22°29 | 24°27 | 17° 5 | 26°30 | 25°31 | 18°46 | 15° 7 | T 7 |
| W 8 | 19 29 49 | 21°40'09 | 15°16 | 18°44 | 6° 5 | 28°39 | 14° 3 | 11°53 | 22°30 | 24°27 | 17° 6 | 26°D29 | 25°28 | 18°53 | 15° 5 | W 8 |
| T 9 | 19 33 46 | 22°37'29 | 29°22 | 19°46 | 7° 4 | 29° 4 | 14°17 | 11°49 | 22°31 | 24°27 | 17° 7 | 26°29 | 25°25 | 18°59 | 15° 4 | T 9 |
| F 10 | 19 37 42 | 23°34'50 | 13♏37 | 20°46 | 8° 3 | 29°29 | 14°30 | 11°44 | 22°31 | 24°28 | 17° 7 | 26°30 | 25°22 | 19° 6 | 15° 2 | F 10 |
| S 11 | 19 41 39 | 24°32'11 | 28° 0 | 21°43 | 9° 3 | 29°53 | 14°43 | 11°40 | 22°32 | 24°28 | 17° 8 | 26°31 | 25°19 | 19°13 | 15° 1 | S 11 |
| S 12 | 19 45 36 | 25°29'33 | 12♐26 | 22°36 | 10° 3 | 0♈17 | 14°57 | 11°36 | 22°33 | 24°28 | 17° 9 | 26°32 | 25°15 | 19°19 | 14°59 | S 12 |
| M13 | 19 49 32 | 26°26'56 | 26°53 | 23°27 | 11° 3 | 0°40 | 15°10 | 11°32 | 22°34 | 24°29 | 17° 9 | 26°R33 | 25°12 | 19°26 | 14°58 | M13 |
| T 14 | 19 53 29 | 27°24'20 | 11♑15 | 24°14 | 12° 4 | 1° 3 | 15°23 | 11°28 | 22°35 | 24°29 | 17°10 | 26°32 | 25° 9 | 19°33 | 14°56 | T 14 |
| W15 | 19 57 25 | 28°21'44 | 25°28 | 24°58 | 13° 5 | 1°25 | 15°36 | 11°23 | 22°36 | 24°30 | 17°10 | 26°30 | 25° 6 | 19°39 | 14°55 | W15 |
| T 16 | 20 1 22 | 29°19'10 | 9♒26 | 25°38 | 14° 6 | 1°47 | 15°50 | 11°19 | 22°37 | 24°30 | 17°11 | 26°26 | 25° 3 | 19°46 | 14°53 | T 16 |
| F 17 | 20 5 18 | 0♌16'36 | 23° 7 | 26°14 | 15° 8 | 2° 8 | 16° 3 | 11°15 | 22°38 | 24°31 | 17°11 | 26°21 | 25° 0 | 19°53 | 14°51 | F 17 |
| S 18 | 20 9 15 | 1°14'03 | 6♓27 | 26°46 | 16°10 | 2°29 | 16°16 | 11°11 | 22°40 | 24°31 | 17°12 | 26°16 | 24°56 | 20° 0 | 14°49 | S 18 |
| S 19 | 20 13 11 | 2°11'32 | 19°25 | 27°14 | 17°12 | 2°49 | 16°29 | 11° 7 | 22°41 | 24°32 | 17°12 | 26°10 | 24°53 | 20° 6 | 14°47 | S 19 |
| M20 | 20 17 8 | 3° 9'02 | 2♈ 3 | 27°38 | 18°15 | 3° 9 | 16°42 | 11° 3 | 22°42 | 24°32 | 17°13 | 26° 6 | 24°50 | 20°13 | 14°46 | M20 |
| T 21 | 20 21 5 | 4° 6'34 | 14°23 | 27°57 | 19°18 | 3°28 | 16°55 | 10°59 | 22°44 | 24°33 | 17°13 | 26° 2 | 24°47 | 20°20 | 14°44 | T 21 |
| W22 | 20 25 1 | 5° 4'07 | 26°29 | 28°12 | 20°21 | 3°46 | 17° 9 | 10°55 | 22°45 | 24°34 | 17°14 | 26° 0 | 24°44 | 20°26 | 14°42 | W22 |
| T 23 | 20 28 58 | 6° 1'41 | 8♉24 | 28°21 | 21°24 | 4° 4 | 17°22 | 10°52 | 22°46 | 24°35 | 17°14 | 26°D 0 | 24°41 | 20°33 | 14°40 | T 23 |
| F 24 | 20 32 54 | 6°59'17 | 20°15 | 28°R25 | 22°28 | 4°21 | 17°35 | 10°48 | 22°48 | 24°35 | 17°14 | 26° 1 | 24°37 | 20°40 | 14°38 | F 24 |
| S 25 | 20 36 51 | 7°56'54 | 2♊ 5 | 28°24 | 23°32 | 4°37 | 17°48 | 10°44 | 22°49 | 24°36 | 17°15 | 26° 2 | 24°34 | 20°46 | 14°35 | S 25 |
| S 26 | 20 40 47 | 8°54'33 | 14° 0 | 28°17 | 24°36 | 4°53 | 18° 1 | 10°40 | 22°51 | 24°37 | 17°15 | 26° 3 | 24°31 | 20°53 | 14°33 | S 26 |
| M27 | 20 44 44 | 9°52'14 | 26° 5 | 28° 5 | 25°40 | 5° 8 | 18°13 | 10°37 | 22°53 | 24°38 | 17°15 | 26°R 4 | 24°28 | 21° 0 | 14°31 | M27 |
| T 28 | 20 48 40 | 10°49'56 | 8♋23 | 27°47 | 26°45 | 5°22 | 18°26 | 10°33 | 22°54 | 24°39 | 17°16 | 26° 3 | 24°25 | 21° 6 | 14°29 | T 28 |
| W29 | 20 52 37 | 11°47'40 | 20°58 | 27°23 | 27°50 | 5°36 | 18°39 | 10°30 | 22°56 | 24°40 | 17°16 | 26° 1 | 24°21 | 21°13 | 14°27 | W29 |
| T 30 | 20 56 34 | 12°45'25 | 3♌50 | 26°54 | 28°55 | 5°49 | 18°52 | 10°26 | 22°58 | 24°41 | 17°16 | 25°56 | 24°18 | 21°20 | 14°25 | T 30 |
| F 31 | 21 0 30 | 13♌43'11 | 17♌ 0 | 26♌20 | 0♋ 0 | 6♈ 1 | 19♋ 5 | 10♑23 | 23♎ 0 | 24♎42 | 17♉16 | 25♐49 | 24♐15 | 21♉26 | 14♓22 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n42 | 21n33 | 1s25 | 18n16 | 0n32 | 16n40 | 3s31 | 5s22 | 3s54 | 23n10 | 0n12 | 22s48 | 0n10 | 8s16 | 0n32 | 7s47 | 1n51 | 3n51 | 13s41 | 23s31 | 23s29 | 20n20 | 1s22 | 4n52 |
| T 2 | 22 36 | 18 47 | 2 30 | 17 45 | 0 23 | 16 53 | 3 30 | 5 12 | 3 55 | 23 9 | 0 12 | 22 49 | 0 10 | 8 16 | 0 32 | 7 48 | 1 51 | 3 51 | 13 41 | 23 31 | 23 29 | 20 21 | 1 22 | 4 52 |
| F 3 | 22 29 | 15 4 | 3 27 | 17 14 | 0 14 | 17 6 | 3 29 | 5 3 | 3 57 | 23 7 | 0 12 | 22 49 | 0 10 | 8 16 | 0 32 | 7 48 | 1 51 | 3 51 | 13 41 | 23 31 | 23 29 | 20 22 | 1 22 | 4 52 |
| S 4 | 22 21 | 10 35 | 4 15 | 16 43 | 0 4 | 17 19 | 3 27 | 4 54 | 3 59 | 23 6 | 0 12 | 22 50 | 0 10 | 8 17 | 0 32 | 7 48 | 1 51 | 3 51 | 13 41 | 23 30 | 23 29 | 20 23 | 1 23 | 4 52 |
| S 5 | 22 13 | 5 32 | 4 51 | 16 13 | 0s 6 | 17 32 | 3 25 | 4 45 | 4 1 | 23 5 | 0 13 | 22 50 | 0 10 | 8 17 | 0 32 | 7 48 | 1 51 | 3 51 | 13 41 | 23 30 | 23 29 | 20 25 | 1 23 | 4 53 |
| M 6 | 22 5 | 0 9 | 5 11 | 15 42 | 0 16 | 17 44 | 3 24 | 4 36 | 4 3 | 23 4 | 0 13 | 22 51 | 0 10 | 8 17 | 0 32 | 7 48 | 1 51 | 3 51 | 13 42 | 23 30 | 23 29 | 20 26 | 1 23 | 4 53 |
| T 7 | 21 57 | 5s19 | 5 13 | 15 11 | 0 27 | 17 57 | 3 22 | 4 27 | 4 5 | 23 2 | 0 13 | 22 51 | 0 10 | 8 17 | 0 32 | 7 48 | 1 51 | 3 51 | 13 42 | 23 30 | 23 28 | 20 27 | 1 24 | 4 53 |
| W 8 | 21 48 | 10 37 | 4 58 | 14 41 | 0 38 | 18 9 | 3 20 | 4 19 | 4 7 | 23 1 | 0 13 | 22 52 | 0 9 | 8 18 | 0 32 | 7 48 | 1 51 | 3 51 | 13 42 | 23 30 | 23 28 | 20 28 | 1 24 | 4 53 |
| T 9 | 21 39 | 15 25 | 4 24 | 14 11 | 0 49 | 18 21 | 3 17 | 4 11 | 4 9 | 23 0 | 0 13 | 22 52 | 0 9 | 8 18 | 0 32 | 7 48 | 1 51 | 3 51 | 13 42 | 23 30 | 23 28 | 20 29 | 1 24 | 4 53 |
| F 10 | 21 29 | 19 24 | 3 34 | 13 41 | 1 0 | 18 32 | 3 15 | 4 2 | 4 11 | 22 58 | 0 13 | 22 53 | 0 9 | 8 18 | 0 32 | 7 49 | 1 51 | 3 51 | 13 42 | 23 30 | 23 28 | 20 31 | 1 25 | 4 53 |
| S 11 | 21 19 | 22 15 | 2 30 | 13 12 | 1 12 | 18 44 | 3 13 | 3 54 | 4 13 | 22 57 | 0 13 | 22 53 | 0 9 | 8 19 | 0 32 | 7 49 | 1 50 | 3 51 | 13 43 | 23 30 | 23 28 | 20 32 | 1 25 | 4 54 |
| S 12 | 21 8 | 23 40 | 1 17 | 12 43 | 1 24 | 18 55 | 3 10 | 3 47 | 4 15 | 22 56 | 0 13 | 22 53 | 0 9 | 8 19 | 0 32 | 7 49 | 1 50 | 3 51 | 13 43 | 23 30 | 23 28 | 20 33 | 1 25 | 4 54 |
| M13 | 20 58 | 23 29 | 0n 2 | 12 16 | 1 36 | 19 6 | 3 8 | 3 39 | 4 17 | 22 54 | 0 13 | 22 54 | 0 9 | 8 20 | 0 32 | 7 49 | 1 50 | 3 51 | 13 43 | 23 30 | 23 28 | 20 34 | 1 26 | 4 54 |
| T 14 | 20 47 | 21 45 | 1 20 | 11 49 | 1 48 | 19 17 | 3 5 | 3 32 | 4 18 | 22 53 | 0 13 | 22 54 | 0 9 | 8 20 | 0 32 | 7 49 | 1 50 | 3 51 | 13 43 | 23 30 | 23 28 | 20 35 | 1 26 | 4 54 |
| W15 | 20 35 | 18 40 | 2 32 | 11 23 | 2 0 | 19 27 | 3 2 | 3 25 | 4 20 | 22 51 | 0 14 | 22 55 | 0 9 | 8 20 | 0 32 | 7 50 | 1 50 | 3 51 | 13 44 | 23 30 | 23 28 | 20 36 | 1 27 | 4 54 |
| T 16 | 20 23 | 14 33 | 3 33 | 10 58 | 2 12 | 19 38 | 3 0 | 3 18 | 4 22 | 22 50 | 0 14 | 22 55 | 0 9 | 8 21 | 0 32 | 7 50 | 1 50 | 3 51 | 13 44 | 23 30 | 23 27 | 20 37 | 1 27 | 4 54 |
| F 17 | 20 11 | 9 46 | 4 21 | 10 34 | 2 24 | 19 47 | 2 57 | 3 11 | 4 24 | 22 49 | 0 14 | 22 56 | 0 9 | 8 21 | 0 32 | 7 50 | 1 50 | 3 51 | 13 44 | 23 30 | 23 27 | 20 39 | 1 28 | 4 55 |
| S 18 | 19 59 | 4 39 | 4 53 | 10 12 | 2 36 | 19 57 | 2 54 | 3 4 | 4 26 | 22 47 | 0 14 | 22 56 | 0 8 | 8 22 | 0 32 | 7 50 | 1 50 | 3 51 | 13 44 | 23 30 | 23 27 | 20 40 | 1 29 | 4 55 |
| S 19 | 19 46 | 0n32 | 5 9 | 9 51 | 2 48 | 20 6 | 2 51 | 2 58 | 4 28 | 22 46 | 0 14 | 22 57 | 0 8 | 8 22 | 0 32 | 7 51 | 1 50 | 3 51 | 13 45 | 23 30 | 23 27 | 20 41 | 1 29 | 4 55 |
| M20 | 19 33 | 5 33 | 5 10 | 9 32 | 3 0 | 20 15 | 2 48 | 2 52 | 4 29 | 22 44 | 0 14 | 22 57 | 0 8 | 8 23 | 0 32 | 7 51 | 1 50 | 3 50 | 13 45 | 23 30 | 23 27 | 20 42 | 1 30 | 4 55 |
| T 21 | 19 19 | 10 14 | 4 56 | 9 14 | 3 12 | 20 23 | 2 44 | 2 46 | 4 31 | 22 43 | 0 14 | 22 57 | 0 8 | 8 23 | 0 32 | 7 51 | 1 50 | 3 50 | 13 45 | 23 29 | 23 27 | 20 43 | 1 30 | 4 55 |
| W22 | 19 5 | 14 26 | 4 29 | 8 59 | 3 23 | 20 31 | 2 41 | 2 40 | 4 33 | 22 41 | 0 14 | 22 58 | 0 8 | 8 24 | 0 32 | 7 52 | 1 50 | 3 50 | 13 45 | 23 29 | 23 27 | 20 44 | 1 31 | 4 55 |
| T 23 | 18 51 | 18 0 | 3 50 | 8 45 | 3 34 | 20 39 | 2 38 | 2 35 | 4 35 | 22 39 | 0 14 | 22 58 | 0 8 | 8 24 | 0 32 | 7 52 | 1 50 | 3 50 | 13 46 | 23 29 | 23 27 | 20 45 | 1 32 | 4 55 |
| F 24 | 18 37 | 20 49 | 3 2 | 8 34 | 3 45 | 20 46 | 2 35 | 2 29 | 4 36 | 22 38 | 0 15 | 22 59 | 0 8 | 8 25 | 0 32 | 7 52 | 1 50 | 3 50 | 13 46 | 23 29 | 23 26 | 20 46 | 1 32 | 4 55 |
| S 25 | 18 22 | 22 44 | 2 7 | 8 25 | 3 55 | 20 53 | 2 31 | 2 24 | 4 38 | 22 36 | 0 15 | 22 59 | 0 8 | 8 26 | 0 32 | 7 53 | 1 50 | 3 50 | 13 46 | 23 29 | 23 26 | 20 48 | 1 33 | 4 56 |
| S 26 | 18 7 | 23 40 | 1 5 | 8 18 | 4 4 | 20 59 | 2 28 | 2 20 | 4 39 | 22 35 | 0 15 | 22 59 | 0 8 | 8 26 | 0 32 | 7 53 | 1 50 | 3 50 | 13 46 | 23 30 | 23 26 | 20 49 | 1 34 | 4 56 |
| M27 | 17 51 | 23 29 | 0s 0 | 8 14 | 4 13 | 21 5 | 2 24 | 2 15 | 4 41 | 22 33 | 0 15 | 23 0 | 0 8 | 8 27 | 0 32 | 7 53 | 1 50 | 3 49 | 13 47 | 23 30 | 23 26 | 20 50 | 1 34 | 4 56 |
| T 28 | 17 36 | 22 11 | 1 6 | 8 13 | 4 20 | 21 10 | 2 21 | 2 11 | 4 43 | 22 31 | 0 15 | 23 0 | 0 8 | 8 28 | 0 31 | 7 54 | 1 49 | 3 49 | 13 47 | 23 30 | 23 26 | 20 51 | 1 35 | 4 56 |
| W29 | 17 20 | 19 46 | 2 11 | 8 15 | 4 27 | 21 15 | 2 17 | 2 7 | 4 44 | 22 30 | 0 15 | 23 1 | 0 7 | 8 28 | 0 31 | 7 54 | 1 49 | 3 49 | 13 47 | 23 29 | 23 26 | 20 52 | 1 36 | 4 56 |
| T 30 | 17 4 | 16 19 | 3 10 | 8 20 | 4 32 | 21 19 | 2 13 | 2 3 | 4 46 | 22 28 | 0 15 | 23 1 | 0 7 | 8 29 | 0 31 | 7 54 | 1 49 | 3 49 | 13 47 | 23 29 | 23 26 | 20 53 | 1 37 | 4 56 |
| F 31 | 16n47 | 12n 0 | 4s 0 | 8n28 | 4s36 | 21n23 | 2s10 | 2s 0 | 4s47 | 22n26 | 0n15 | 23s 1 | 0n 7 | 8s30 | 0n31 | 7s55 | 1n49 | 3n49 | 13s48 | 23s29 | 23s26 | 20n54 | 1s37 | 4n56 |

Julian Day Number = 2136163.5, Delta T = 15m54s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'05, Lahiri = 11°49'06 Julian Calendar 1 July 1136 == Greg. Calendar 8 July 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## AUGUST 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 4 27 | 14♌40'59 | 0♍28 | 25°R41 | 1♋ 5 | 6♈12 | 19♋17 | 10°R20 | 23♎ 2 | 24♎43 | 17♉17 | 25°R41 | 24♐12 | 21♉33 | 14°R20 | S 1 |
| S 2 | 21 8 23 | 15°38'48 | 14°10 | 24♌57 | 2°11 | 6°23 | 19°30 | 10♏17 | 23° 4 | 24°44 | 17°17 | 25♐33 | 24° 9 | 21°40 | 14♓18 | S 2 |
| M 3 | 21 12 20 | 16°36'39 | 28° 4 | 24°10 | 3°17 | 6°33 | 19°43 | 10°13 | 23° 6 | 24°45 | 17°17 | 25°25 | 24° 6 | 21°46 | 14°15 | M 3 |
| T 4 | 21 16 16 | 17°34'30 | 12♎ 5 | 23°19 | 4°23 | 6°42 | 19°55 | 10°10 | 23° 8 | 24°46 | 17°17 | 25°19 | 24° 2 | 21°53 | 14°13 | T 4 |
| W 5 | 21 20 13 | 18°32'23 | 26°12 | 22°26 | 5°29 | 6°50 | 20° 8 | 10° 7 | 23°10 | 24°47 | 17°17 | 25°15 | 23°59 | 22° 0 | 14°10 | W 5 |
| T 6 | 21 24 9 | 19°30'18 | 10♏21 | 21°32 | 6°36 | 6°58 | 20°20 | 10° 4 | 23°12 | 24°48 | 17°17 | 25°13 | 23°56 | 22° 6 | 14° 8 | T 6 |
| F 7 | 21 28 6 | 20°28'14 | 24°31 | 20°37 | 7°42 | 7° 4 | 20°33 | 10° 2 | 23°14 | 24°49 | 17°17 | 25°D13 | 23°53 | 22°13 | 14° 5 | F 7 |
| S 8 | 21 32 3 | 21°26'11 | 8♐39 | 19°44 | 8°49 | 7°10 | 20°45 | 9°59 | 23°16 | 24°50 | 17°18 | 25°13 | 23°50 | 22°20 | 14° 3 | S 8 |
| S 9 | 21 35 59 | 22°24'09 | 22°44 | 18°52 | 9°56 | 7°15 | 20°58 | 9°56 | 23°18 | 24°52 | 17°18 | 25°R14 | 23°47 | 22°26 | 14° 0 | S 9 |
| M10 | 21 39 56 | 23°22'09 | 6♑46 | 18° 3 | 11° 3 | 7°19 | 21°10 | 9°53 | 23°21 | 24°53 | 17°18 | 25°13 | 23°43 | 22°33 | 13°58 | M10 |
| T 11 | 21 43 52 | 24°20'10 | 20°42 | 17°19 | 12°11 | 7°23 | 21°22 | 9°51 | 23°23 | 24°54 | 17°R18 | 25°11 | 23°40 | 22°40 | 13°55 | T 11 |
| W12 | 21 47 49 | 25°18'13 | 4♒30 | 16°39 | 13°18 | 7°25 | 21°34 | 9°48 | 23°25 | 24°56 | 17°18 | 25° 6 | 23°37 | 22°46 | 13°52 | W12 |
| T 13 | 21 51 45 | 26°16'17 | 18° 7 | 16° 6 | 14°26 | 7°27 | 21°47 | 9°46 | 23°28 | 24°57 | 17°18 | 24°58 | 23°34 | 22°53 | 13°50 | T 13 |
| F 14 | 21 55 42 | 27°14'23 | 1♓31 | 15°40 | 15°34 | 7°28 | 21°59 | 9°44 | 23°30 | 24°58 | 17°17 | 24°49 | 23°31 | 23° 0 | 13°47 | F 14 |
| S 15 | 21 59 38 | 28°12'30 | 14°38 | 15°22 | 16°42 | 7°R28 | 22°11 | 9°42 | 23°33 | 25° 0 | 17°17 | 24°38 | 23°27 | 23° 6 | 13°44 | S 15 |
| S 16 | 22 3 35 | 29°10'40 | 27°29 | 15°12 | 17°50 | 7°27 | 22°23 | 9°39 | 23°35 | 25° 1 | 17°17 | 24°27 | 23°24 | 23°13 | 13°42 | S 16 |
| M17 | 22 7 32 | 0♍ 8'51 | 10♈ 2 | 15°D10 | 18°58 | 7°25 | 22°34 | 9°37 | 23°38 | 25° 2 | 17°17 | 24°17 | 23°21 | 23°20 | 13°39 | M17 |
| T 18 | 22 11 28 | 1° 7'04 | 22°19 | 15°17 | 20° 7 | 7°23 | 22°46 | 9°36 | 23°40 | 25° 4 | 17°17 | 24° 9 | 23°18 | 23°26 | 13°36 | T 18 |
| W19 | 22 15 25 | 2° 5'20 | 4♉23 | 15°33 | 21°15 | 7°19 | 22°58 | 9°34 | 23°43 | 25° 5 | 17°17 | 24° 3 | 23°15 | 23°33 | 13°34 | W19 |
| T 20 | 22 19 21 | 3° 3'37 | 16°18 | 15°58 | 22°24 | 7°15 | 23°10 | 9°32 | 23°46 | 25° 7 | 17°17 | 23°59 | 23°12 | 23°40 | 13°31 | T 20 |
| F 21 | 22 23 18 | 4° 1'57 | 28° 7 | 16°32 | 23°33 | 7°10 | 23°21 | 9°30 | 23°48 | 25° 9 | 17°16 | 23°58 | 23° 8 | 23°46 | 13°28 | F 21 |
| S 22 | 22 27 14 | 5° 0'18 | 9♊57 | 17°14 | 24°42 | 7° 4 | 23°33 | 9°29 | 23°51 | 25°10 | 17°16 | 23°D58 | 23° 5 | 23°53 | 13°25 | S 22 |
| S 23 | 22 31 11 | 5°58'42 | 21°52 | 18° 4 | 25°51 | 6°57 | 23°44 | 9°27 | 23°54 | 25°12 | 17°16 | 23°R58 | 23° 2 | 24° 0 | 13°22 | S 23 |
| M24 | 22 35 7 | 6°57'08 | 3♋59 | 19° 2 | 27° 1 | 6°49 | 23°56 | 9°26 | 23°57 | 25°13 | 17°16 | 23°57 | 22°59 | 24° 6 | 13°20 | M24 |
| T 25 | 22 39 4 | 7°55'36 | 16°21 | 20° 7 | 28°10 | 6°40 | 24° 7 | 9°24 | 24° 0 | 25°15 | 17°15 | 23°55 | 22°56 | 24°13 | 13°17 | T 25 |
| W26 | 22 43 1 | 8°54'07 | 29° 3 | 21°18 | 29°20 | 6°31 | 24°18 | 9°23 | 24° 2 | 25°17 | 17°15 | 23°51 | 22°52 | 24°20 | 13°14 | W26 |
| T 27 | 22 46 57 | 9°52'39 | 12♌ 8 | 22°36 | 0♌29 | 6°21 | 24°30 | 9°22 | 24° 5 | 25°18 | 17°15 | 23°44 | 22°49 | 24°26 | 13°11 | T 27 |
| F 28 | 22 50 54 | 10°51'13 | 25°36 | 23°59 | 1°39 | 6°10 | 24°41 | 9°21 | 24° 8 | 25°20 | 17°14 | 23°34 | 22°46 | 24°33 | 13° 8 | F 28 |
| S 29 | 22 54 50 | 11°49'50 | 9♍26 | 25°27 | 2°49 | 5°58 | 24°52 | 9°20 | 24°11 | 25°22 | 17°14 | 23°23 | 22°43 | 24°39 | 13° 6 | S 29 |
| S 30 | 22 58 47 | 12°48'28 | 23°34 | 27° 0 | 3°59 | 5°46 | 25° 3 | 9°19 | 24°14 | 25°23 | 17°14 | 23°11 | 22°40 | 24°46 | 13° 3 | S 30 |
| M31 | 23 2 43 | 13♍47'08 | 7♎55 | 28♌36 | 5♌10 | 5♈32 | 25♋14 | 9♏19 | 24♎17 | 25♎25 | 17♉13 | 23♐ 0 | 22♐37 | 24♉53 | 13♓ 0 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n30 | 7n 2 | 4s38 | 8n39 | 4s39 | 21n27 | 2s 6 | 1s56 | 4s49 | 22n25 | 0n15 | 23s 2 | 0n 7 | 8s30 | 0n31 | 7s55 | 1n49 | 3n49 | 13s48 | 23s29 | 23s25 | 20n55 | 1s38 | 4n56 |
| S 2 | 16 13 | 1 38 | 5 1 | 8 52 | 4 39 | 21 30 | 2 2 | 1 53 | 4 50 | 22 23 | 0 16 | 23 2 | 0 7 | 8 31 | 0 31 | 7 56 | 1 49 | 3 48 | 13 48 | 23 29 | 23 25 | 20 56 | 1 39 | 4 56 |
| M 3 | 15 56 | 3s54 | 5 6 | 9 9 | 4 38 | 21 32 | 1 58 | 1 51 | 4 51 | 22 21 | 0 16 | 23 2 | 0 7 | 8 32 | 0 31 | 7 56 | 1 49 | 3 48 | 13 48 | 23 28 | 23 25 | 20 57 | 1 40 | 4 57 |
| T 4 | 15 38 | 9 18 | 4 54 | 9 28 | 4 36 | 21 34 | 1 55 | 1 48 | 4 53 | 22 19 | 0 16 | 23 3 | 0 7 | 8 33 | 0 31 | 7 57 | 1 49 | 3 48 | 13 49 | 23 28 | 23 25 | 20 58 | 1 41 | 4 57 |
| W 5 | 15 20 | 14 15 | 4 23 | 9 50 | 4 31 | 21 36 | 1 51 | 1 46 | 4 54 | 22 18 | 0 16 | 23 3 | 0 7 | 8 34 | 0 31 | 7 57 | 1 49 | 3 48 | 13 49 | 23 28 | 23 25 | 20 59 | 1 42 | 4 57 |
| T 6 | 15 2 | 18 25 | 3 37 | 10 13 | 4 24 | 21 36 | 1 47 | 1 44 | 4 55 | 22 16 | 0 16 | 23 3 | 0 7 | 8 34 | 0 31 | 7 58 | 1 49 | 3 47 | 13 49 | 23 28 | 23 25 | 21 0 | 1 43 | 4 57 |
| F 7 | 14 44 | 21 31 | 2 37 | 10 39 | 4 16 | 21 37 | 1 43 | 1 43 | 4 56 | 22 14 | 0 16 | 23 4 | 0 7 | 8 35 | 0 31 | 7 58 | 1 49 | 3 47 | 13 49 | 23 28 | 23 25 | 21 1 | 1 43 | 4 57 |
| S 8 | 14 25 | 23 18 | 1 28 | 11 5 | 4 5 | 21 37 | 1 39 | 1 41 | 4 57 | 22 12 | 0 16 | 23 4 | 0 7 | 8 36 | 0 31 | 7 59 | 1 49 | 3 47 | 13 50 | 23 28 | 23 24 | 21 2 | 1 44 | 4 57 |
| S 9 | 14 7 | 23 34 | 0 13 | 11 33 | 3 53 | 21 36 | 1 35 | 1 40 | 4 58 | 22 11 | 0 16 | 23 4 | 0 6 | 8 37 | 0 31 | 7 59 | 1 49 | 3 47 | 13 50 | 23 28 | 23 24 | 21 3 | 1 45 | 4 57 |
| M10 | 13 48 | 22 21 | 1n 1 | 12 1 | 3 39 | 21 34 | 1 31 | 1 40 | 4 59 | 22 9 | 0 16 | 23 5 | 0 6 | 8 38 | 0 31 | 8 0 | 1 49 | 3 47 | 13 50 | 23 28 | 23 24 | 21 4 | 1 46 | 4 57 |
| T 11 | 13 28 | 19 47 | 2 12 | 12 29 | 3 24 | 21 33 | 1 27 | 1 39 | 5 0 | 22 7 | 0 17 | 23 5 | 0 6 | 8 39 | 0 31 | 8 0 | 1 49 | 3 46 | 13 50 | 23 28 | 23 24 | 21 5 | 1 47 | 4 57 |
| W12 | 13 9 | 16 5 | 3 14 | 12 56 | 3 8 | 21 30 | 1 23 | 1 39 | 5 1 | 22 5 | 0 17 | 23 5 | 0 6 | 8 40 | 0 31 | 8 1 | 1 49 | 3 46 | 13 51 | 23 28 | 23 24 | 21 6 | 1 48 | 4 57 |
| T 13 | 12 49 | 11 36 | 4 4 | 13 22 | 2 50 | 21 27 | 1 19 | 1 39 | 5 2 | 22 3 | 0 17 | 23 5 | 0 6 | 8 40 | 0 31 | 8 1 | 1 49 | 3 46 | 13 51 | 23 27 | 23 24 | 21 7 | 1 49 | 4 57 |
| F 14 | 12 29 | 6 38 | 4 39 | 13 47 | 2 32 | 21 24 | 1 15 | 1 39 | 5 2 | 22 2 | 0 17 | 23 6 | 0 6 | 8 41 | 0 31 | 8 2 | 1 49 | 3 46 | 13 51 | 23 27 | 23 23 | 21 8 | 1 50 | 4 57 |
| S 15 | 12 9 | 1 29 | 4 59 | 14 10 | 2 14 | 21 19 | 1 11 | 1 39 | 5 3 | 22 0 | 0 17 | 23 6 | 0 6 | 8 42 | 0 31 | 8 2 | 1 48 | 3 45 | 13 52 | 23 26 | 23 23 | 21 9 | 1 51 | 4 57 |
| S 16 | 11 49 | 3n37 | 5 3 | 14 31 | 1 55 | 21 15 | 1 7 | 1 40 | 5 3 | 21 58 | 0 17 | 23 6 | 0 6 | 8 43 | 0 31 | 8 3 | 1 48 | 3 45 | 13 52 | 23 26 | 23 23 | 21 10 | 1 52 | 4 57 |
| M17 | 11 28 | 8 28 | 4 52 | 14 50 | 1 36 | 21 9 | 1 3 | 1 41 | 5 4 | 21 56 | 0 17 | 23 6 | 0 6 | 8 44 | 0 31 | 8 3 | 1 48 | 3 45 | 13 52 | 23 26 | 23 23 | 21 11 | 1 53 | 4 57 |
| T 18 | 11 8 | 12 52 | 4 28 | 15 6 | 1 17 | 21 3 | 0 59 | 1 43 | 5 4 | 21 54 | 0 17 | 23 7 | 0 6 | 8 45 | 0 31 | 8 4 | 1 48 | 3 44 | 13 52 | 23 25 | 23 23 | 21 12 | 1 54 | 4 57 |
| W19 | 10 47 | 16 41 | 3 52 | 15 18 | 0 59 | 20 57 | 0 55 | 1 44 | 5 4 | 21 52 | 0 18 | 23 7 | 0 5 | 8 46 | 0 31 | 8 5 | 1 48 | 3 44 | 13 53 | 23 25 | 23 23 | 21 13 | 1 55 | 4 57 |
| T 20 | 10 26 | 19 46 | 3 6 | 15 28 | 0 41 | 20 50 | 0 52 | 1 46 | 5 4 | 21 51 | 0 18 | 23 7 | 0 5 | 8 47 | 0 31 | 8 5 | 1 48 | 3 44 | 13 53 | 23 25 | 23 23 | 21 14 | 1 56 | 4 57 |
| F 21 | 10 5 | 22 0 | 2 13 | 15 34 | 0 24 | 20 42 | 0 48 | 1 48 | 5 4 | 21 49 | 0 18 | 23 7 | 0 5 | 8 48 | 0 31 | 8 6 | 1 48 | 3 44 | 13 53 | 23 25 | 23 22 | 21 15 | 1 57 | 4 57 |
| S 22 | 9 43 | 23 16 | 1 14 | 15 37 | 0 8 | 20 34 | 0 44 | 1 50 | 5 4 | 21 47 | 0 18 | 23 7 | 0 5 | 8 49 | 0 31 | 8 6 | 1 48 | 3 43 | 13 53 | 23 25 | 23 22 | 21 16 | 1 58 | 4 57 |
| S 23 | 9 22 | 23 29 | 0 11 | 15 37 | 0n 8 | 20 25 | 0 40 | 1 53 | 5 4 | 21 45 | 0 18 | 23 8 | 0 5 | 8 50 | 0 31 | 8 7 | 1 48 | 3 43 | 13 54 | 23 25 | 23 22 | 21 17 | 1 59 | 4 57 |
| M24 | 9 0 | 22 36 | 0s53 | 15 32 | 0 22 | 20 16 | 0 36 | 1 56 | 5 4 | 21 43 | 0 18 | 23 8 | 0 5 | 8 51 | 0 31 | 8 8 | 1 48 | 3 43 | 13 54 | 23 25 | 23 22 | 21 18 | 2 1 | 4 57 |
| T 25 | 8 38 | 20 38 | 1 56 | 15 25 | 0 36 | 20 6 | 0 32 | 1 59 | 5 3 | 21 41 | 0 18 | 23 8 | 0 5 | 8 53 | 0 31 | 8 8 | 1 48 | 3 42 | 13 54 | 23 25 | 23 22 | 21 19 | 2 2 | 4 57 |
| W26 | 8 16 | 17 36 | 2 55 | 15 13 | 0 48 | 19 56 | 0 28 | 2 2 | 5 3 | 21 39 | 0 18 | 23 8 | 0 5 | 8 54 | 0 31 | 8 9 | 1 48 | 3 42 | 13 54 | 23 24 | 23 22 | 21 20 | 2 3 | 4 57 |
| T 27 | 7 54 | 13 37 | 3 46 | 14 58 | 0 59 | 19 45 | 0 24 | 2 5 | 5 2 | 21 38 | 0 19 | 23 8 | 0 5 | 8 55 | 0 31 | 8 10 | 1 48 | 3 42 | 13 54 | 23 24 | 23 21 | 21 21 | 2 4 | 4 57 |
| F 28 | 7 32 | 8 52 | 4 26 | 14 40 | 1 9 | 19 33 | 0 21 | 2 9 | 5 1 | 21 36 | 0 19 | 23 9 | 0 5 | 8 56 | 0 31 | 8 10 | 1 48 | 3 41 | 13 55 | 23 24 | 23 21 | 21 21 | 2 5 | 4 57 |
| S 29 | 7 9 | 3 33 | 4 52 | 14 19 | 1 18 | 19 21 | 0 17 | 2 13 | 5 0 | 21 34 | 0 19 | 23 9 | 0 5 | 8 57 | 0 31 | 8 11 | 1 48 | 3 41 | 13 55 | 23 23 | 23 21 | 21 22 | 2 6 | 4 57 |
| S 30 | 6 47 | 2s 2 | 5 1 | 13 55 | 1 26 | 19 8 | 0 13 | 2 17 | 4 59 | 21 32 | 0 19 | 23 9 | 0 4 | 8 58 | 0 31 | 8 12 | 1 48 | 3 41 | 13 55 | 23 22 | 23 21 | 21 23 | 2 7 | 4 57 |
| M31 | 6n24 | 7s36 | 4s51 | 13n27 | 1n32 | 18n55 | 0s10 | 2s21 | 4s58 | 21n30 | 0n19 | 23s 9 | 0n 4 | 8s59 | 0n30 | 8s12 | 1n48 | 3n40 | 13s55 | 23s22 | 23s21 | 21n24 | 2s 8 | 4n57 |

Julian Day Number = 2136194.5, Delta T = 15m54s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'10, Lahiri = 11°49'10 Julian Calendar 1 Aug. 1136 == Greg. Calendar 8 Aug. 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## SEPTEMBER 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 6 40 | 14♍45'50 | 22♎23 | 0♍16 | 6♌20 | 5°R19 | 25♋24 | 9°R18 | 24♎20 | 25♎27 | 17°R13 | 22°R51 | 22♐33 | 24♉59 | 12°R57 | T 1 |
| W 2 | 23 10 36 | 15°44'34 | 6♏51 | 1°58 | 7°31 | 5♈ 4 | 25°35 | 9♏17 | 24°24 | 25°29 | 17♉12 | 22♐44 | 22°30 | 25° 6 | 12♓54 | W 2 |
| T 3 | 23 14 33 | 16°43'20 | 21°14 | 3°42 | 8°41 | 4°49 | 25°46 | 9°17 | 24°27 | 25°31 | 17°12 | 22°40 | 22°27 | 25°13 | 12°52 | T 3 |
| F 4 | 23 18 30 | 17°42'08 | 5♐29 | 5°28 | 9°52 | 4°34 | 25°56 | 9°17 | 24°30 | 25°33 | 17°11 | 22°38 | 22°24 | 25°19 | 12°49 | F 4 |
| S 5 | 23 22 26 | 18°40'57 | 19°35 | 7°15 | 11° 3 | 4°18 | 26° 7 | 9°16 | 24°33 | 25°34 | 17°11 | 22°38 | 22°21 | 25°26 | 12°46 | S 5 |
| S 6 | 23 26 23 | 19°39'48 | 3♑29 | 9° 3 | 12°14 | 4° 1 | 26°17 | 9°16 | 24°36 | 25°36 | 17°10 | 22°38 | 22°18 | 25°33 | 12°43 | S 6 |
| M 7 | 23 30 19 | 20°38'41 | 17°14 | 10°52 | 13°25 | 3°44 | 26°27 | 9°D16 | 24°40 | 25°38 | 17°10 | 22°37 | 22°14 | 25°39 | 12°40 | M 7 |
| T 8 | 23 34 16 | 21°37'36 | 0♒48 | 12°41 | 14°36 | 3°27 | 26°37 | 9°16 | 24°43 | 25°40 | 17° 9 | 22°33 | 22°11 | 25°46 | 12°38 | T 8 |
| W 9 | 23 38 12 | 22°36'32 | 14°12 | 14°30 | 15°47 | 3° 9 | 26°47 | 9°17 | 24°46 | 25°42 | 17° 9 | 22°26 | 22° 8 | 25°53 | 12°35 | W 9 |
| T 10 | 23 42 9 | 23°35'30 | 27°26 | 16°19 | 16°58 | 2°51 | 26°57 | 9°17 | 24°49 | 25°44 | 17° 8 | 22°17 | 22° 5 | 25°59 | 12°32 | T 10 |
| F 11 | 23 46 5 | 24°34'30 | 10♓28 | 18° 8 | 18°10 | 2°33 | 27° 7 | 9°17 | 24°53 | 25°46 | 17° 8 | 22° 5 | 22° 2 | 26° 6 | 12°29 | F 11 |
| S 12 | 23 50 2 | 25°33'32 | 23°17 | 19°57 | 19°21 | 2°14 | 27°17 | 9°18 | 24°56 | 25°48 | 17° 7 | 21°52 | 21°58 | 26°13 | 12°27 | S 12 |
| S 13 | 23 53 58 | 26°32'36 | 5♈53 | 21°45 | 20°33 | 1°56 | 27°26 | 9°18 | 25° 0 | 25°50 | 17° 6 | 21°38 | 21°55 | 26°19 | 12°24 | S 13 |
| M14 | 23 57 55 | 27°31'42 | 18°16 | 23°33 | 21°45 | 1°37 | 27°36 | 9°19 | 25° 3 | 25°52 | 17° 6 | 21°26 | 21°52 | 26°26 | 12°21 | M14 |
| T 15 | 0 1 52 | 28°30'51 | 0♉27 | 25°20 | 22°57 | 1°18 | 27°45 | 9°20 | 25° 6 | 25°54 | 17° 5 | 21°15 | 21°49 | 26°33 | 12°19 | T 15 |
| W16 | 0 5 48 | 29°30'01 | 12°26 | 27° 7 | 24° 9 | 1° 0 | 27°55 | 9°20 | 25°10 | 25°56 | 17° 4 | 21° 7 | 21°46 | 26°39 | 12°16 | W16 |
| T 17 | 0 9 45 | 0♎29'14 | 24°18 | 28°53 | 25°21 | 0°41 | 28° 4 | 9°21 | 25°13 | 25°58 | 17° 4 | 21° 2 | 21°43 | 26°46 | 12°13 | T 17 |
| F 18 | 0 13 41 | 1°28'30 | 6♊ 6 | 0♎38 | 26°33 | 0°22 | 28°13 | 9°22 | 25°17 | 26° 0 | 17° 3 | 20°59 | 21°39 | 26°53 | 12°11 | F 18 |
| S 19 | 0 17 38 | 2°27'47 | 17°54 | 2°22 | 27°45 | 0° 4 | 28°22 | 9°24 | 25°20 | 26° 2 | 17° 2 | 20°D58 | 21°36 | 26°59 | 12° 8 | S 19 |
| S 20 | 0 21 34 | 3°27'07 | 29°47 | 4° 6 | 28°58 | 29♓46 | 28°31 | 9°25 | 25°24 | 26° 4 | 17° 1 | 20°R58 | 21°33 | 27° 6 | 12° 5 | S 20 |
| M21 | 0 25 31 | 4°26'30 | 11♋52 | 5°49 | 0♍10 | 29°28 | 28°40 | 9°26 | 25°28 | 26° 7 | 17° 0 | 20°58 | 21°30 | 27°13 | 12° 3 | M21 |
| T 22 | 0 29 27 | 5°25'54 | 24°13 | 7°31 | 1°22 | 29°10 | 28°48 | 9°28 | 25°31 | 26° 9 | 17° 0 | 20°57 | 21°27 | 27°19 | 12° 0 | T 22 |
| W23 | 0 33 24 | 6°25'21 | 6♌56 | 9°13 | 2°35 | 28°52 | 28°57 | 9°29 | 25°35 | 26°11 | 16°59 | 20°53 | 21°24 | 27°26 | 11°58 | W23 |
| T 24 | 0 37 21 | 7°24'50 | 20° 4 | 10°54 | 3°48 | 28°35 | 29° 5 | 9°31 | 25°38 | 26°13 | 16°58 | 20°47 | 21°20 | 27°33 | 11°55 | T 24 |
| F 25 | 0 41 17 | 8°24'22 | 3♍40 | 12°34 | 5° 1 | 28°18 | 29°13 | 9°33 | 25°42 | 26°15 | 16°57 | 20°38 | 21°17 | 27°39 | 11°53 | F 25 |
| S 26 | 0 45 14 | 9°23'56 | 17°42 | 14°13 | 6°13 | 28° 2 | 29°21 | 9°35 | 25°46 | 26°17 | 16°56 | 20°28 | 21°14 | 27°46 | 11°51 | S 26 |
| S 27 | 0 49 10 | 10°23'32 | 2♎ 8 | 15°52 | 7°26 | 27°46 | 29°29 | 9°36 | 25°49 | 26°19 | 16°55 | 20°17 | 21°11 | 27°53 | 11°48 | S 27 |
| M28 | 0 53 7 | 11°23'10 | 16°52 | 17°30 | 8°39 | 27°31 | 29°37 | 9°38 | 25°53 | 26°22 | 16°55 | 20° 6 | 21° 8 | 27°59 | 11°46 | M28 |
| T 29 | 0 57 3 | 12°22'50 | 1♏44 | 19° 7 | 9°52 | 27°17 | 29°45 | 9°41 | 25°57 | 26°24 | 16°54 | 19°57 | 21° 4 | 28° 6 | 11°43 | T 29 |
| W30 | 1 1 0 | 13♎22'32 | 16♏37 | 20♎44 | 11♍ 6 | 27♓ 3 | 29♋52 | 9♑43 | 26♎ 0 | 26♎26 | 16♉53 | 19♐51 | 21♐ 1 | 28♉13 | 11♓41 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n 2 | 12s48 | 4s22 | 12n58 | 1n38 | 18n41 | 0s 6 | 2s25 | 4s57 | 21n28 | 0n19 | 23s 9 | 0n 4 | 9s 0 | 0n30 | 8s13 | 1n48 | 3n40 | 13s56 | 23s21 | 23s20 | 21n25 | 2s 9 | 4n57 |
| W 2 | 5 39 | 17 16 | 3 37 | 12 25 | 1 43 | 18 27 | 0 2 | 2 29 | 4 55 | 21 27 | 0 19 | 23 9 | 0 4 | 9 2 | 0 30 | 8 14 | 1 48 | 3 40 | 13 56 | 23 21 | 23 20 | 21 26 | 2 11 | 4 57 |
| T 3 | 5 16 | 20 41 | 2 38 | 11 51 | 1 46 | 18 12 | 0n 1 | 2 34 | 4 54 | 21 25 | 0 20 | 23 9 | 0 4 | 9 3 | 0 30 | 8 14 | 1 48 | 3 39 | 13 56 | 23 21 | 23 20 | 21 27 | 2 12 | 4 57 |
| F 4 | 4 53 | 22 47 | 1 29 | 11 14 | 1 49 | 17 56 | 0 5 | 2 38 | 4 52 | 21 23 | 0 20 | 23 9 | 0 4 | 9 4 | 0 30 | 8 15 | 1 48 | 3 39 | 13 56 | 23 21 | 23 20 | 21 28 | 2 13 | 4 57 |
| S 5 | 4 30 | 23 25 | 0 16 | 10 36 | 1 51 | 17 40 | 0 8 | 2 43 | 4 50 | 21 21 | 0 20 | 23 10 | 0 4 | 9 5 | 0 30 | 8 16 | 1 48 | 3 39 | 13 57 | 23 21 | 23 20 | 21 28 | 2 14 | 4 56 |
| S 6 | 4 7 | 22 33 | 0n57 | 9 56 | 1 52 | 17 24 | 0 12 | 2 48 | 4 48 | 21 19 | 0 20 | 23 10 | 0 4 | 9 6 | 0 30 | 8 16 | 1 48 | 3 38 | 13 57 | 23 21 | 23 20 | 21 29 | 2 15 | 4 56 |
| M 7 | 3 43 | 20 21 | 2 6 | 9 15 | 1 52 | 17 7 | 0 15 | 2 53 | 4 46 | 21 17 | 0 20 | 23 10 | 0 4 | 9 8 | 0 30 | 8 17 | 1 48 | 3 38 | 13 57 | 23 21 | 23 19 | 21 30 | 2 16 | 4 56 |
| T 8 | 3 20 | 17 2 | 3 7 | 8 33 | 1 51 | 16 50 | 0 19 | 2 57 | 4 43 | 21 16 | 0 20 | 23 10 | 0 4 | 9 9 | 0 30 | 8 18 | 1 48 | 3 38 | 13 57 | 23 20 | 23 19 | 21 31 | 2 17 | 4 56 |
| W 9 | 2 57 | 12 52 | 3 57 | 7 49 | 1 50 | 16 32 | 0 22 | 3 2 | 4 41 | 21 14 | 0 20 | 23 10 | 0 4 | 9 10 | 0 30 | 8 19 | 1 47 | 3 37 | 13 57 | 23 20 | 23 19 | 21 32 | 2 19 | 4 56 |
| T 10 | 2 33 | 8 9 | 4 33 | 7 5 | 1 48 | 16 13 | 0 25 | 3 7 | 4 38 | 21 12 | 0 21 | 23 10 | 0 3 | 9 11 | 0 30 | 8 19 | 1 47 | 3 37 | 13 58 | 23 20 | 23 19 | 21 33 | 2 20 | 4 56 |
| F 11 | 2 10 | 3 9 | 4 54 | 6 20 | 1 46 | 15 54 | 0 28 | 3 12 | 4 36 | 21 10 | 0 21 | 23 10 | 0 3 | 9 13 | 0 30 | 8 20 | 1 47 | 3 37 | 13 58 | 23 19 | 23 19 | 21 34 | 2 21 | 4 56 |
| S 12 | 1 46 | 1n55 | 5 0 | 5 35 | 1 43 | 15 35 | 0 31 | 3 16 | 4 33 | 21 9 | 0 21 | 23 10 | 0 3 | 9 14 | 0 30 | 8 21 | 1 47 | 3 36 | 13 58 | 23 18 | 23 18 | 21 34 | 2 22 | 4 56 |
| S 13 | 1 23 | 6 48 | 4 51 | 4 49 | 1 40 | 15 15 | 0 35 | 3 21 | 4 30 | 21 7 | 0 21 | 23 10 | 0 3 | 9 15 | 0 30 | 8 22 | 1 47 | 3 36 | 13 58 | 23 17 | 23 18 | 21 35 | 2 23 | 4 56 |
| M14 | 0 59 | 11 20 | 4 28 | 4 2 | 1 36 | 14 55 | 0 38 | 3 26 | 4 27 | 21 5 | 0 21 | 23 10 | 0 3 | 9 16 | 0 30 | 8 22 | 1 47 | 3 35 | 13 58 | 23 16 | 23 18 | 21 36 | 2 24 | 4 55 |
| T 15 | 0 36 | 15 19 | 3 54 | 3 16 | 1 32 | 14 34 | 0 40 | 3 30 | 4 23 | 21 3 | 0 21 | 23 10 | 0 3 | 9 18 | 0 30 | 8 23 | 1 47 | 3 35 | 13 59 | 23 16 | 23 18 | 21 37 | 2 25 | 4 55 |
| W16 | 0 12 | 18 38 | 3 9 | 2 29 | 1 27 | 14 13 | 0 43 | 3 35 | 4 20 | 21 2 | 0 22 | 23 10 | 0 3 | 9 19 | 0 30 | 8 24 | 1 47 | 3 35 | 13 59 | 23 15 | 23 18 | 21 38 | 2 27 | 4 55 |
| T 17 | 0s12 | 21 8 | 2 16 | 1 42 | 1 22 | 13 51 | 0 46 | 3 39 | 4 17 | 21 0 | 0 22 | 23 10 | 0 3 | 9 20 | 0 30 | 8 25 | 1 47 | 3 34 | 13 59 | 23 15 | 23 17 | 21 38 | 2 28 | 4 55 |
| F 18 | 0 35 | 22 42 | 1 18 | 0 56 | 1 17 | 13 29 | 0 49 | 3 43 | 4 13 | 20 58 | 0 22 | 23 10 | 0 3 | 9 21 | 0 30 | 8 25 | 1 47 | 3 34 | 13 59 | 23 15 | 23 17 | 21 39 | 2 29 | 4 55 |
| S 19 | 0 59 | 23 16 | 0 16 | 0 9 | 1 12 | 13 7 | 0 52 | 3 47 | 4 9 | 20 57 | 0 22 | 23 10 | 0 3 | 9 23 | 0 30 | 8 26 | 1 47 | 3 34 | 13 59 | 23 15 | 23 17 | 21 40 | 2 30 | 4 55 |
| S 20 | 1 23 | 22 46 | 0s47 | 0s37 | 1 6 | 12 44 | 0 54 | 3 51 | 4 6 | 20 55 | 0 22 | 23 10 | 0 3 | 9 24 | 0 30 | 8 27 | 1 47 | 3 33 | 14 0 | 23 15 | 23 17 | 21 41 | 2 31 | 4 55 |
| M21 | 1 46 | 21 13 | 1 49 | 1 24 | 1 1 | 12 21 | 0 57 | 3 55 | 4 2 | 20 53 | 0 22 | 23 10 | 0 3 | 9 25 | 0 30 | 8 28 | 1 47 | 3 33 | 14 0 | 23 15 | 23 17 | 21 41 | 2 32 | 4 54 |
| T 22 | 2 10 | 18 38 | 2 47 | 2 10 | 0 55 | 11 58 | 0 59 | 3 58 | 3 58 | 20 52 | 0 22 | 23 10 | 0 2 | 9 27 | 0 30 | 8 29 | 1 47 | 3 33 | 14 0 | 23 14 | 23 16 | 21 42 | 2 33 | 4 54 |
| W23 | 2 34 | 15 6 | 3 39 | 2 56 | 0 48 | 11 34 | 1 2 | 4 1 | 3 54 | 20 50 | 0 23 | 23 10 | 0 2 | 9 28 | 0 30 | 8 29 | 1 47 | 3 32 | 14 0 | 23 14 | 23 16 | 21 43 | 2 34 | 4 54 |
| T 24 | 2 57 | 10 44 | 4 21 | 3 41 | 0 42 | 11 10 | 1 4 | 4 4 | 3 50 | 20 49 | 0 23 | 23 10 | 0 2 | 9 29 | 0 30 | 8 30 | 1 47 | 3 32 | 14 0 | 23 14 | 23 16 | 21 44 | 2 36 | 4 54 |
| F 25 | 3 21 | 5 43 | 4 49 | 4 26 | 0 36 | 10 45 | 1 7 | 4 7 | 3 46 | 20 47 | 0 23 | 23 10 | 0 2 | 9 31 | 0 30 | 8 31 | 1 47 | 3 31 | 14 0 | 23 13 | 23 16 | 21 44 | 2 37 | 4 54 |
| S 26 | 3 44 | 0 15 | 5 2 | 5 11 | 0 29 | 10 20 | 1 9 | 4 10 | 3 41 | 20 45 | 0 23 | 23 10 | 0 2 | 9 32 | 0 30 | 8 32 | 1 47 | 3 31 | 14 1 | 23 12 | 23 16 | 21 45 | 2 38 | 4 54 |
| S 27 | 4 8 | 5s23 | 4 56 | 5 55 | 0 23 | 9 55 | 1 11 | 4 12 | 3 37 | 20 44 | 0 23 | 23 10 | 0 2 | 9 33 | 0 30 | 8 33 | 1 47 | 3 31 | 14 1 | 23 12 | 23 15 | 21 46 | 2 39 | 4 53 |
| M28 | 4 31 | 10 49 | 4 30 | 6 39 | 0 16 | 9 29 | 1 13 | 4 14 | 3 33 | 20 42 | 0 23 | 23 10 | 0 2 | 9 35 | 0 30 | 8 33 | 1 47 | 3 30 | 14 1 | 23 11 | 23 15 | 21 47 | 2 40 | 4 53 |
| T 29 | 4 55 | 15 40 | 3 46 | 7 23 | 0 9 | 9 4 | 1 15 | 4 16 | 3 28 | 20 41 | 0 24 | 23 10 | 0 2 | 9 36 | 0 30 | 8 34 | 1 47 | 3 30 | 14 1 | 23 10 | 23 15 | 21 47 | 2 41 | 4 53 |
| W30 | 5s18 | 19s33 | 2s47 | 8s 6 | 0n 2 | 8n38 | 1n17 | 4s18 | 3s24 | 20n40 | 0n24 | 23s10 | 0n 2 | 9s37 | 0n30 | 8s35 | 1n47 | 3n30 | 14s 1 | 23s10 | 23s15 | 21n48 | 2s42 | 4n53 |

Julian Day Number = 2136225.5, Delta T = 15m53s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'14, Lahiri = 11°49'14 Julian Calendar 1 Sept. 1136 == Greg. Calendar 8 Sept. 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## OCTOBER 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 4 56 | 14♎22'16 | 1♐23 | 22♎20 | 12♍19 | 26°R49 | 29♋59 | 9♑45 | 26♎ 4 | 26♎28 | 16°R52 | 19°R47 | 20♐58 | 28♉19 | 11°R39 | T 1 |
| F 2 | 1 8 53 | 15°22'02 | 15°55 | 23°56 | 13°32 | 26♓36 | 0♌ 7 | 9°48 | 26° 8 | 26°30 | 16♉51 | 19°D46 | 20°55 | 28°26 | 11♓37 | F 2 |
| S 3 | 1 12 50 | 16°21'49 | 0♑10 | 25°31 | 14°45 | 26°24 | 0°14 | 9°50 | 26°11 | 26°33 | 16°50 | 19♐46 | 20°52 | 28°33 | 11°35 | S 3 |
| S 4 | 1 16 46 | 17°21'38 | 14° 7 | 27° 5 | 15°59 | 26°13 | 0°21 | 9°53 | 26°15 | 26°35 | 16°49 | 19°R47 | 20°49 | 28°39 | 11°32 | S 4 |
| M 5 | 1 20 43 | 18°21'29 | 27°46 | 28°39 | 17°12 | 26° 3 | 0°28 | 9°55 | 26°19 | 26°37 | 16°48 | 19°46 | 20°45 | 28°46 | 11°30 | M 5 |
| T 6 | 1 24 39 | 19°21'22 | 11♒ 9 | 0♏12 | 18°26 | 25°53 | 0°35 | 9°58 | 26°22 | 26°39 | 16°47 | 19°44 | 20°42 | 28°53 | 11°28 | T 6 |
| W 7 | 1 28 36 | 20°21'16 | 24°16 | 1°45 | 19°39 | 25°44 | 0°41 | 10° 1 | 26°26 | 26°42 | 16°46 | 19°40 | 20°39 | 28°59 | 11°26 | W 7 |
| T 8 | 1 32 32 | 21°21'12 | 7♓10 | 3°17 | 20°53 | 25°35 | 0°48 | 10° 4 | 26°30 | 26°44 | 16°45 | 19°32 | 20°36 | 29° 6 | 11°24 | T 8 |
| F 9 | 1 36 29 | 22°21'09 | 19°52 | 4°49 | 22° 7 | 25°28 | 0°54 | 10° 7 | 26°34 | 26°46 | 16°44 | 19°23 | 20°33 | 29°12 | 11°22 | F 9 |
| S 10 | 1 40 25 | 23°21'09 | 2♈23 | 6°20 | 23°21 | 25°21 | 1° 0 | 10°10 | 26°37 | 26°48 | 16°43 | 19°13 | 20°29 | 29°19 | 11°20 | S 10 |
| S 11 | 1 44 22 | 24°21'10 | 14°43 | 7°51 | 24°34 | 25°15 | 1° 6 | 10°14 | 26°41 | 26°50 | 16°42 | 19° 2 | 20°26 | 29°26 | 11°18 | S 11 |
| M12 | 1 48 18 | 25°21'13 | 26°54 | 9°21 | 25°48 | 25°10 | 1°12 | 10°17 | 26°45 | 26°53 | 16°41 | 18°52 | 20°23 | 29°32 | 11°17 | M12 |
| T 13 | 1 52 15 | 26°21'18 | 8♉55 | 10°51 | 27° 2 | 25° 6 | 1°17 | 10°20 | 26°49 | 26°55 | 16°40 | 18°44 | 20°20 | 29°39 | 11°15 | T 13 |
| W14 | 1 56 12 | 27°21'25 | 20°50 | 12°20 | 28°16 | 25° 2 | 1°23 | 10°24 | 26°52 | 26°57 | 16°39 | 18°37 | 20°17 | 29°46 | 11°13 | W14 |
| T 15 | 2 0 8 | 28°21'34 | 2♊38 | 13°49 | 29°30 | 25° 0 | 1°28 | 10°27 | 26°56 | 26°59 | 16°38 | 18°34 | 20°14 | 29°52 | 11°11 | T 15 |
| F 16 | 2 4 5 | 29°21'45 | 14°25 | 15°17 | 0♎44 | 24°58 | 1°33 | 10°31 | 27° 0 | 27° 2 | 16°37 | 18°D32 | 20°10 | 29°59 | 11°10 | F 16 |
| S 17 | 2 8 1 | 0♏21'58 | 26°12 | 16°45 | 1°59 | 24°57 | 1°38 | 10°35 | 27° 4 | 27° 4 | 16°36 | 18°32 | 20° 7 | 0♊ 6 | 11° 8 | S 17 |
| S 18 | 2 11 58 | 1°22'13 | 8♋ 5 | 18°12 | 3°13 | 24°D56 | 1°43 | 10°39 | 27° 7 | 27° 6 | 16°35 | 18°33 | 20° 4 | 0°12 | 11° 7 | S 18 |
| M19 | 2 15 54 | 2°22'31 | 20° 8 | 19°38 | 4°27 | 24°57 | 1°48 | 10°43 | 27°11 | 27° 8 | 16°34 | 18°35 | 20° 1 | 0°19 | 11° 5 | M19 |
| T 20 | 2 19 51 | 3°22'50 | 2♌26 | 21° 4 | 5°42 | 24°58 | 1°52 | 10°47 | 27°15 | 27°11 | 16°32 | 18°R36 | 19°58 | 0°26 | 11° 4 | T 20 |
| W21 | 2 23 47 | 4°23'11 | 15° 5 | 22°30 | 6°56 | 25° 0 | 1°56 | 10°51 | 27°19 | 27°13 | 16°31 | 18°35 | 19°55 | 0°32 | 11° 2 | W21 |
| T 22 | 2 27 44 | 5°23'34 | 28° 8 | 23°54 | 8°10 | 25° 3 | 2° 1 | 10°55 | 27°22 | 27°15 | 16°30 | 18°32 | 19°51 | 0°39 | 11° 1 | T 22 |
| F 23 | 2 31 41 | 6°23'59 | 11♍40 | 25°18 | 9°25 | 25° 7 | 2° 5 | 10°59 | 27°26 | 27°17 | 16°29 | 18°28 | 19°48 | 0°46 | 11° 0 | F 23 |
| S 24 | 2 35 37 | 7°24'26 | 25°41 | 26°41 | 10°39 | 25°11 | 2° 8 | 11° 3 | 27°30 | 27°20 | 16°28 | 18°23 | 19°45 | 0°52 | 10°58 | S 24 |
| S 25 | 2 39 34 | 8°24'55 | 10♎ 9 | 28° 3 | 11°54 | 25°16 | 2°12 | 11° 8 | 27°34 | 27°22 | 16°27 | 18°16 | 19°42 | 0°59 | 10°57 | S 25 |
| M26 | 2 43 30 | 9°25'26 | 25° 0 | 29°24 | 13° 8 | 25°22 | 2°15 | 11°12 | 27°37 | 27°24 | 16°26 | 18°10 | 19°39 | 1° 6 | 10°56 | M26 |
| T 27 | 2 47 27 | 10°25'58 | 10♏ 5 | 0♐44 | 14°23 | 25°28 | 2°18 | 11°17 | 27°41 | 27°26 | 16°25 | 18° 5 | 19°35 | 1°12 | 10°55 | T 27 |
| W28 | 2 51 23 | 11°26'32 | 25°17 | 2° 3 | 15°38 | 25°36 | 2°22 | 11°21 | 27°45 | 27°28 | 16°24 | 18° 1 | 19°32 | 1°19 | 10°54 | W28 |
| T 29 | 2 55 20 | 12°27'08 | 10♐23 | 3°20 | 16°52 | 25°44 | 2°24 | 11°26 | 27°48 | 27°31 | 16°22 | 17°59 | 19°29 | 1°26 | 10°53 | T 29 |
| F 30 | 2 59 16 | 13°27'45 | 25°16 | 4°36 | 18° 7 | 25°52 | 2°27 | 11°31 | 27°52 | 27°33 | 16°21 | 17°D59 | 19°26 | 1°32 | 10°52 | F 30 |
| S 31 | 3 3 13 | 14♏28'23 | 9♑49 | 5♐49 | 19♎22 | 26♓ 2 | 2♌29 | 11♑36 | 27♎56 | 27♎35 | 16♉20 | 18♐ 0 | 19♐23 | 1♊39 | 10♓51 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s41 | 22s 6 | 1s36 | 8s48 | 0s 4 | 8n11 | 1n19 | 4s19 | 3s20 | 20n38 | 0n24 | 23s10 | 0n 2 | 9s39 | 0n30 | 8s36 | 1n47 | 3n29 | 14s 1 | 23s 9 | 23s15 | 21n49 | 2s43 | 4n53 |
| F 2 | 6 5 | 23 9 | 0 21 | 9 30 | 0 11 | 7 45 | 1 21 | 4 20 | 3 15 | 20 37 | 0 24 | 23 10 | 0 2 | 9 40 | 0 30 | 8 37 | 1 47 | 3 29 | 14 1 | 23 9 | 23 14 | 21 50 | 2 44 | 4 52 |
| S 3 | 6 28 | 22 38 | 0n55 | 10 11 | 0 18 | 7 18 | 1 22 | 4 21 | 3 11 | 20 35 | 0 24 | 23 10 | 0 2 | 9 42 | 0 30 | 8 37 | 1 47 | 3 28 | 14 1 | 23 9 | 23 14 | 21 50 | 2 45 | 4 52 |
| S 4 | 6 51 | 20 42 | 2 6 | 10 52 | 0 25 | 6 51 | 1 24 | 4 21 | 3 6 | 20 34 | 0 25 | 23 9 | 0 1 | 9 43 | 0 30 | 8 38 | 1 47 | 3 28 | 14 2 | 23 9 | 23 14 | 21 51 | 2 46 | 4 52 |
| M 5 | 7 14 | 17 38 | 3 8 | 11 32 | 0 31 | 6 23 | 1 26 | 4 21 | 3 2 | 20 33 | 0 25 | 23 9 | 0 1 | 9 44 | 0 30 | 8 39 | 1 47 | 3 28 | 14 2 | 23 9 | 23 14 | 21 52 | 2 47 | 4 52 |
| T 6 | 7 37 | 13 41 | 3 59 | 12 11 | 0 38 | 5 56 | 1 27 | 4 21 | 2 57 | 20 32 | 0 25 | 23 9 | 0 1 | 9 46 | 0 30 | 8 40 | 1 47 | 3 27 | 14 2 | 23 9 | 23 13 | 21 52 | 2 48 | 4 51 |
| W 7 | 7 59 | 9 9 | 4 36 | 12 50 | 0 45 | 5 28 | 1 29 | 4 21 | 2 53 | 20 30 | 0 25 | 23 9 | 0 1 | 9 47 | 0 30 | 8 41 | 1 47 | 3 27 | 14 2 | 23 9 | 23 13 | 21 53 | 2 49 | 4 51 |
| T 8 | 8 22 | 4 18 | 4 58 | 13 28 | 0 51 | 5 0 | 1 30 | 4 20 | 2 48 | 20 29 | 0 25 | 23 9 | 0 1 | 9 48 | 0 30 | 8 41 | 1 47 | 3 27 | 14 2 | 23 8 | 23 13 | 21 54 | 2 50 | 4 51 |
| F 9 | 8 44 | 0n39 | 5 5 | 14 6 | 0 58 | 4 32 | 1 31 | 4 19 | 2 44 | 20 28 | 0 25 | 23 9 | 0 1 | 9 50 | 0 30 | 8 42 | 1 47 | 3 26 | 14 2 | 23 7 | 23 13 | 21 54 | 2 51 | 4 51 |
| S 10 | 9 7 | 5 29 | 4 57 | 14 42 | 1 4 | 4 4 | 1 32 | 4 17 | 2 39 | 20 27 | 0 26 | 23 9 | 0 1 | 9 51 | 0 30 | 8 43 | 1 47 | 3 26 | 14 2 | 23 7 | 23 12 | 21 55 | 2 52 | 4 50 |
| S 11 | 9 29 | 10 3 | 4 35 | 15 18 | 1 11 | 3 36 | 1 33 | 4 16 | 2 35 | 20 26 | 0 26 | 23 8 | 0 1 | 9 52 | 0 30 | 8 44 | 1 47 | 3 25 | 14 2 | 23 6 | 23 12 | 21 56 | 2 53 | 4 50 |
| M12 | 9 51 | 14 9 | 4 1 | 15 53 | 1 17 | 3 7 | 1 34 | 4 14 | 2 31 | 20 24 | 0 26 | 23 8 | 0 1 | 9 54 | 0 30 | 8 45 | 1 47 | 3 25 | 14 2 | 23 5 | 23 12 | 21 56 | 2 54 | 4 50 |
| T 13 | 10 13 | 17 38 | 3 17 | 16 28 | 1 23 | 2 38 | 1 35 | 4 11 | 2 26 | 20 23 | 0 26 | 23 8 | 0 1 | 9 55 | 0 30 | 8 45 | 1 47 | 3 25 | 14 2 | 23 4 | 23 12 | 21 57 | 2 55 | 4 50 |
| W14 | 10 35 | 20 21 | 2 24 | 17 1 | 1 29 | 2 10 | 1 36 | 4 9 | 2 22 | 20 22 | 0 26 | 23 8 | 0 1 | 9 57 | 0 30 | 8 46 | 1 47 | 3 24 | 14 3 | 23 4 | 23 12 | 21 58 | 2 56 | 4 49 |
| T 15 | 10 56 | 22 10 | 1 25 | 17 34 | 1 35 | 1 41 | 1 37 | 4 6 | 2 18 | 20 21 | 0 27 | 23 8 | 0 1 | 9 58 | 0 30 | 8 47 | 1 47 | 3 24 | 14 3 | 23 3 | 23 11 | 21 58 | 2 57 | 4 49 |
| F 16 | 11 18 | 23 0 | 0 22 | 18 6 | 1 41 | 1 12 | 1 38 | 4 3 | 2 13 | 20 20 | 0 27 | 23 7 | 0 0 | 9 59 | 0 30 | 8 48 | 1 47 | 3 24 | 14 3 | 23 3 | 23 11 | 21 59 | 2 57 | 4 49 |
| S 17 | 11 39 | 22 48 | 0s41 | 18 37 | 1 46 | 0 43 | 1 38 | 4 0 | 2 9 | 20 20 | 0 27 | 23 7 | 0 0 | 10 1 | 0 30 | 8 49 | 1 47 | 3 23 | 14 3 | 23 3 | 23 11 | 21 59 | 2 58 | 4 49 |
| S 18 | 12 0 | 21 34 | 1 44 | 19 7 | 1 51 | 0 13 | 1 39 | 3 56 | 2 5 | 20 19 | 0 27 | 23 7 | 0 0 | 10 2 | 0 30 | 8 50 | 1 47 | 3 23 | 14 3 | 23 3 | 23 11 | 22 0 | 2 59 | 4 48 |
| M19 | 12 21 | 19 21 | 2 43 | 19 36 | 1 57 | 0s16 | 1 39 | 3 52 | 2 1 | 20 18 | 0 27 | 23 7 | 0 0 | 10 3 | 0 30 | 8 50 | 1 47 | 3 23 | 14 3 | 23 3 | 23 10 | 22 1 | 3 0 | 4 48 |
| T 20 | 12 42 | 16 13 | 3 35 | 20 4 | 2 1 | 0 45 | 1 40 | 3 48 | 1 57 | 20 17 | 0 27 | 23 7 | 0 0 | 10 5 | 0 30 | 8 51 | 1 47 | 3 22 | 14 3 | 23 4 | 23 10 | 22 1 | 3 1 | 4 48 |
| W21 | 13 3 | 12 15 | 4 19 | 20 31 | 2 6 | 1 14 | 1 40 | 3 43 | 1 53 | 20 16 | 0 28 | 23 6 | 0 0 | 10 6 | 0 30 | 8 52 | 1 47 | 3 22 | 14 3 | 23 3 | 23 10 | 22 2 | 3 2 | 4 48 |
| T 22 | 13 23 | 7 37 | 4 51 | 20 56 | 2 10 | 1 43 | 1 40 | 3 39 | 1 49 | 20 15 | 0 28 | 23 6 | 0s 0 | 10 7 | 0 30 | 8 53 | 1 47 | 3 22 | 14 3 | 23 3 | 23 10 | 22 2 | 3 2 | 4 47 |
| F 23 | 13 43 | 2 28 | 5 8 | 21 21 | 2 15 | 2 13 | 1 40 | 3 34 | 1 45 | 20 15 | 0 28 | 23 6 | 0 0 | 10 9 | 0 30 | 8 54 | 1 47 | 3 21 | 14 3 | 23 3 | 23 9 | 22 3 | 3 3 | 4 47 |
| S 24 | 14 3 | 2s59 | 5 8 | 21 45 | 2 18 | 2 42 | 1 40 | 3 28 | 1 41 | 20 14 | 0 28 | 23 5 | 0 0 | 10 10 | 0 30 | 8 54 | 1 47 | 3 21 | 14 3 | 23 2 | 23 9 | 22 4 | 3 4 | 4 47 |
| S 25 | 14 23 | 8 27 | 4 48 | 22 7 | 2 22 | 3 11 | 1 40 | 3 23 | 1 38 | 20 13 | 0 28 | 23 5 | 0 0 | 10 11 | 0 30 | 8 55 | 1 47 | 3 21 | 14 3 | 23 2 | 23 9 | 22 4 | 3 5 | 4 46 |
| M26 | 14 42 | 13 35 | 4 9 | 22 28 | 2 25 | 3 41 | 1 40 | 3 17 | 1 34 | 20 13 | 0 29 | 23 5 | 0 0 | 10 13 | 0 30 | 8 56 | 1 47 | 3 20 | 14 3 | 23 1 | 23 9 | 22 5 | 3 5 | 4 46 |
| T 27 | 15 1 | 17 57 | 3 12 | 22 48 | 2 28 | 4 10 | 1 40 | 3 11 | 1 30 | 20 12 | 0 29 | 23 5 | 0 0 | 10 14 | 0 30 | 8 57 | 1 47 | 3 20 | 14 3 | 23 1 | 23 8 | 22 5 | 3 6 | 4 46 |
| W28 | 15 20 | 21 8 | 2 1 | 23 7 | 2 30 | 4 39 | 1 40 | 3 5 | 1 27 | 20 12 | 0 29 | 23 4 | 0 0 | 10 15 | 0 30 | 8 57 | 1 47 | 3 20 | 14 3 | 23 0 | 23 8 | 22 6 | 3 7 | 4 46 |
| T 29 | 15 39 | 22 48 | 0 41 | 23 24 | 2 32 | 5 8 | 1 39 | 2 59 | 1 23 | 20 11 | 0 29 | 23 4 | 0 1 | 10 17 | 0 30 | 8 58 | 1 47 | 3 20 | 14 3 | 23 0 | 23 8 | 22 6 | 3 7 | 4 45 |
| F 30 | 15 57 | 22 48 | 0n40 | 23 40 | 2 33 | 5 37 | 1 39 | 2 52 | 1 20 | 20 11 | 0 30 | 23 4 | 0 1 | 10 18 | 0 30 | 8 59 | 1 47 | 3 19 | 14 3 | 23 0 | 23 8 | 22 7 | 3 8 | 4 45 |
| S 31 | 16s15 | 21s15 | 1n57 | 23s54 | 2s34 | 6s 6 | 1n39 | 2s45 | 1s16 | 20n11 | 0n30 | 23s 3 | 0s 1 | 10s19 | 0n30 | 9s 0 | 1n47 | 3n19 | 14s 3 | 23s 0 | 23s 7 | 22n 8 | 3s 8 | 4n45 |

Julian Day Number = 2136255.5, Delta T = 15m53s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'18, Lahiri = 11°49'18 Julian Calendar 1 Oct. 1136 == Greg. Calendar 8 Oct. 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## NOVEMBER 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 7 10 | 15♏29'03 | 24♑ 0 | 7♐ 1 | 20♎37 | 26♓12 | 2♌32 | 11♑41 | 27♎59 | 27♎37 | 16°R19 | 18♐ 2 | 19♐20 | 1♊45 | 10°R50 | S 1 |
| M 2 | 3 11 6 | 16°29'43 | 7♒46 | 8°10 | 21°51 | 26°23 | 2°34 | 11°46 | 28° 3 | 27°39 | 16♉18 | 18° 3 | 19°16 | 1°52 | 10♓50 | M 2 |
| T 3 | 3 15 3 | 17°30'25 | 21° 9 | 9°17 | 23° 6 | 26°34 | 2°36 | 11°51 | 28° 7 | 27°42 | 16°17 | 18°R 3 | 19°13 | 1°59 | 10°49 | T 3 |
| W 4 | 3 18 59 | 18°31'08 | 4♓12 | 10°21 | 24°21 | 26°46 | 2°37 | 11°56 | 28°10 | 27°44 | 16°16 | 18° 2 | 19°10 | 2° 5 | 10°48 | W 4 |
| T 5 | 3 22 56 | 19°31'52 | 16°56 | 11°21 | 25°36 | 26°59 | 2°39 | 12° 1 | 28°14 | 27°46 | 16°15 | 18° 0 | 19° 7 | 2°12 | 10°48 | T 5 |
| F 6 | 3 26 52 | 20°32'37 | 29°25 | 12°17 | 26°51 | 27°12 | 2°40 | 12° 6 | 28°17 | 27°48 | 16°13 | 17°56 | 19° 4 | 2°19 | 10°47 | F 6 |
| S 7 | 3 30 49 | 21°33'23 | 11♈41 | 13° 8 | 28° 6 | 27°26 | 2°41 | 12°12 | 28°21 | 27°50 | 16°12 | 17°52 | 19° 1 | 2°25 | 10°47 | S 7 |
| S 8 | 3 34 45 | 22°34'10 | 23°48 | 13°55 | 29°21 | 27°41 | 2°42 | 12°17 | 28°24 | 27°52 | 16°11 | 17°47 | 18°57 | 2°32 | 10°46 | S 8 |
| M 9 | 3 38 42 | 23°34'59 | 5♉47 | 14°36 | 0♏36 | 27°56 | 2°43 | 12°22 | 28°28 | 27°54 | 16°10 | 17°43 | 18°54 | 2°39 | 10°46 | M 9 |
| T 10 | 3 42 39 | 24°35'48 | 17°41 | 15°10 | 1°51 | 28°11 | 2°44 | 12°28 | 28°31 | 27°56 | 16° 9 | 17°39 | 18°51 | 2°45 | 10°46 | T 10 |
| W11 | 3 46 35 | 25°36'39 | 29°30 | 15°37 | 3° 6 | 28°28 | 2°44 | 12°34 | 28°35 | 27°58 | 16° 8 | 17°37 | 18°48 | 2°52 | 10°45 | W11 |
| T 12 | 3 50 32 | 26°37'31 | 11♊18 | 15°56 | 4°21 | 28°44 | 2°R44 | 12°39 | 28°38 | 28° 0 | 16° 7 | 17°36 | 18°45 | 2°59 | 10°45 | T 12 |
| F 13 | 3 54 28 | 27°38'24 | 23° 6 | 16° 6 | 5°36 | 29° 1 | 2°44 | 12°45 | 28°42 | 28° 2 | 16° 6 | 17°D36 | 18°41 | 3° 5 | 10°45 | F 13 |
| S 14 | 3 58 25 | 28°39'19 | 4♋57 | 16°R 6 | 6°51 | 29°19 | 2°44 | 12°51 | 28°45 | 28° 4 | 16° 4 | 17°36 | 18°38 | 3°12 | 10°45 | S 14 |
| S 15 | 4 2 21 | 29°40'14 | 16°54 | 15°56 | 8° 6 | 29°37 | 2°43 | 12°56 | 28°48 | 28° 6 | 16° 3 | 17°38 | 18°35 | 3°19 | 10°D45 | S 15 |
| M16 | 4 6 18 | 0♐41'11 | 29° 0 | 15°35 | 9°21 | 29°56 | 2°43 | 13° 2 | 28°52 | 28° 8 | 16° 2 | 17°39 | 18°32 | 3°25 | 10°45 | M16 |
| T 17 | 4 10 15 | 1°42'09 | 11♌19 | 15° 2 | 10°37 | 0♈15 | 2°42 | 13° 8 | 28°55 | 28°10 | 16° 1 | 17°41 | 18°29 | 3°32 | 10°45 | T 17 |
| W18 | 4 14 11 | 2°43'09 | 23°55 | 14°18 | 11°52 | 0°35 | 2°41 | 13°14 | 28°58 | 28°12 | 16° 0 | 17°42 | 18°26 | 3°39 | 10°45 | W18 |
| T 19 | 4 18 8 | 3°44'09 | 6♍53 | 13°24 | 13° 7 | 0°55 | 2°40 | 13°20 | 29° 2 | 28°14 | 15°59 | 17°R42 | 18°22 | 3°45 | 10°45 | T 19 |
| F 20 | 4 22 4 | 4°45'11 | 20°15 | 12°20 | 14°22 | 1°15 | 2°38 | 13°26 | 29° 5 | 28°16 | 15°58 | 17°41 | 18°19 | 3°52 | 10°46 | F 20 |
| S 21 | 4 26 1 | 5°46'14 | 4♎ 4 | 11° 7 | 15°37 | 1°36 | 2°36 | 13°32 | 29° 8 | 28°18 | 15°57 | 17°40 | 18°16 | 3°59 | 10°46 | S 21 |
| S 22 | 4 29 57 | 6°47'17 | 18°20 | 9°49 | 16°53 | 1°57 | 2°35 | 13°38 | 29°11 | 28°20 | 15°56 | 17°39 | 18°13 | 4° 5 | 10°46 | S 22 |
| M23 | 4 33 54 | 7°48'22 | 3♏ 0 | 8°27 | 18° 8 | 2°19 | 2°33 | 13°45 | 29°14 | 28°22 | 15°55 | 17°38 | 18°10 | 4°12 | 10°47 | M23 |
| T 24 | 4 37 50 | 8°49'29 | 18° 0 | 7° 4 | 19°23 | 2°41 | 2°30 | 13°51 | 29°18 | 28°24 | 15°54 | 17°37 | 18° 6 | 4°18 | 10°47 | T 24 |
| W25 | 4 41 47 | 9°50'35 | 3♐12 | 5°43 | 20°38 | 3° 4 | 2°28 | 13°57 | 29°21 | 28°25 | 15°53 | 17°36 | 18° 3 | 4°25 | 10°48 | W25 |
| T 26 | 4 45 44 | 10°51'43 | 18°26 | 4°26 | 21°54 | 3°27 | 2°25 | 14° 3 | 29°24 | 28°27 | 15°52 | 17°D36 | 18° 0 | 4°32 | 10°48 | T 26 |
| F 27 | 4 49 40 | 11°52'52 | 3♑32 | 3°17 | 23° 9 | 3°50 | 2°23 | 14°10 | 29°27 | 28°29 | 15°51 | 17°36 | 17°57 | 4°38 | 10°49 | F 27 |
| S 28 | 4 53 37 | 12°54'00 | 18°21 | 2°16 | 24°24 | 4°14 | 2°20 | 14°16 | 29°30 | 28°31 | 15°50 | 17°36 | 17°54 | 4°45 | 10°50 | S 28 |
| S 29 | 4 57 33 | 13°55'09 | 2♒48 | 1°26 | 25°40 | 4°38 | 2°16 | 14°23 | 29°33 | 28°32 | 15°49 | 17°37 | 17°51 | 4°52 | 10°51 | S 29 |
| M30 | 5 1 30 | 14♐56'19 | 16♒48 | 0♐46 | 26♏55 | 5♈ 2 | 2♌13 | 14♑29 | 29♎36 | 28♎34 | 15♉48 | 17♐37 | 17♐47 | 4♊58 | 10♓51 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s33 | 18s23 | 3n 4 | 24s 7 | 2s34 | 6s34 | 1n38 | 2s38 | 1s13 | 20n10 | 0n30 | 23s 3 | 0s 1 | 10s21 | 0n30 | 9s 0 | 1n47 | 3n19 | 14s 3 | 23s 1 | 23s 7 | 22n 8 | 3s 9 | 4n44 |
| M 2 | 16 51 | 14 33 | 4 0 | 24 18 | 2 34 | 7 3 | 1 37 | 2 31 | 1 10 | 20 10 | 0 30 | 23 2 | 0 1 | 10 22 | 0 30 | 9 1 | 1 47 | 3 18 | 14 3 | 23 1 | 23 7 | 22 9 | 3 10 | 4 44 |
| T 3 | 17 8 | 10 6 | 4 40 | 24 28 | 2 33 | 7 31 | 1 37 | 2 23 | 1 6 | 20 10 | 0 30 | 23 2 | 0 1 | 10 23 | 0 30 | 9 2 | 1 47 | 3 18 | 14 3 | 23 1 | 23 7 | 22 9 | 3 10 | 4 44 |
| W 4 | 17 25 | 5 17 | 5 5 | 24 36 | 2 31 | 8 0 | 1 36 | 2 15 | 1 3 | 20 10 | 0 31 | 23 2 | 0 1 | 10 25 | 0 30 | 9 3 | 1 47 | 3 18 | 14 3 | 23 1 | 23 6 | 22 10 | 3 11 | 4 43 |
| T 5 | 17 42 | 0 22 | 5 14 | 24 42 | 2 28 | 8 28 | 1 35 | 2 7 | 1 0 | 20 10 | 0 31 | 23 1 | 0 1 | 10 26 | 0 30 | 9 3 | 1 47 | 3 18 | 14 3 | 23 0 | 23 6 | 22 10 | 3 11 | 4 43 |
| F 6 | 17 58 | 4n28 | 5 7 | 24 46 | 2 25 | 8 56 | 1 34 | 1 59 | 0 57 | 20 9 | 0 31 | 23 1 | 0 1 | 10 27 | 0 30 | 9 4 | 1 47 | 3 17 | 14 3 | 23 0 | 23 6 | 22 11 | 3 12 | 4 43 |
| S 7 | 18 14 | 9 3 | 4 47 | 24 48 | 2 21 | 9 24 | 1 33 | 1 51 | 0 54 | 20 9 | 0 31 | 23 1 | 0 1 | 10 28 | 0 30 | 9 5 | 1 47 | 3 17 | 14 3 | 23 0 | 23 6 | 22 11 | 3 12 | 4 42 |
| S 8 | 18 30 | 13 13 | 4 14 | 24 49 | 2 15 | 9 51 | 1 32 | 1 42 | 0 51 | 20 9 | 0 31 | 23 0 | 0 1 | 10 30 | 0 30 | 9 6 | 1 47 | 3 17 | 14 3 | 22 59 | 23 5 | 22 12 | 3 13 | 4 42 |
| M 9 | 18 45 | 16 49 | 3 30 | 24 47 | 2 9 | 10 19 | 1 31 | 1 34 | 0 48 | 20 9 | 0 32 | 23 0 | 0 1 | 10 31 | 0 30 | 9 6 | 1 47 | 3 17 | 14 3 | 22 59 | 23 5 | 22 12 | 3 13 | 4 42 |
| T 10 | 19 0 | 19 42 | 2 38 | 24 43 | 2 1 | 10 46 | 1 30 | 1 25 | 0 45 | 20 9 | 0 32 | 22 59 | 0 1 | 10 32 | 0 30 | 9 7 | 1 47 | 3 16 | 14 3 | 22 58 | 23 5 | 22 13 | 3 13 | 4 42 |
| W11 | 19 15 | 21 44 | 1 38 | 24 37 | 1 52 | 11 13 | 1 29 | 1 16 | 0 42 | 20 10 | 0 32 | 22 59 | 0 2 | 10 33 | 0 30 | 9 8 | 1 47 | 3 16 | 14 2 | 22 58 | 23 5 | 22 13 | 3 14 | 4 41 |
| T 12 | 19 29 | 22 49 | 0 35 | 24 29 | 1 41 | 11 39 | 1 27 | 1 7 | 0 40 | 20 10 | 0 32 | 22 58 | 0 2 | 10 35 | 0 30 | 9 8 | 1 47 | 3 16 | 14 2 | 22 58 | 23 4 | 22 14 | 3 14 | 4 41 |
| F 13 | 19 44 | 22 52 | 0s30 | 24 18 | 1 30 | 12 6 | 1 26 | 0 57 | 0 37 | 20 10 | 0 32 | 22 58 | 0 2 | 10 36 | 0 30 | 9 9 | 1 47 | 3 16 | 14 2 | 22 58 | 23 4 | 22 14 | 3 14 | 4 41 |
| S 14 | 19 57 | 21 53 | 1 35 | 24 5 | 1 16 | 12 32 | 1 25 | 0 48 | 0 34 | 20 10 | 0 33 | 22 57 | 0 2 | 10 37 | 0 30 | 9 10 | 1 48 | 3 16 | 14 2 | 22 58 | 23 4 | 22 14 | 3 15 | 4 40 |
| S 15 | 20 10 | 19 55 | 2 35 | 23 49 | 1 1 | 12 58 | 1 23 | 0 38 | 0 32 | 20 11 | 0 33 | 22 57 | 0 2 | 10 38 | 0 30 | 9 11 | 1 48 | 3 15 | 14 2 | 22 58 | 23 3 | 22 15 | 3 15 | 4 40 |
| M16 | 20 23 | 17 2 | 3 30 | 23 31 | 0 45 | 13 23 | 1 22 | 0 28 | 0 29 | 20 11 | 0 33 | 22 56 | 0 2 | 10 39 | 0 30 | 9 11 | 1 48 | 3 15 | 14 2 | 22 58 | 23 3 | 22 15 | 3 15 | 4 40 |
| T 17 | 20 36 | 13 22 | 4 16 | 23 10 | 0 28 | 13 48 | 1 20 | 0 19 | 0 27 | 20 11 | 0 33 | 22 56 | 0 2 | 10 41 | 0 30 | 9 12 | 1 48 | 3 15 | 14 2 | 22 59 | 23 3 | 22 16 | 3 16 | 4 39 |
| W18 | 20 48 | 9 2 | 4 51 | 22 46 | 0 9 | 14 13 | 1 19 | 0 9 | 0 24 | 20 12 | 0 34 | 22 55 | 0 2 | 10 42 | 0 30 | 9 13 | 1 48 | 3 15 | 14 2 | 22 59 | 23 3 | 22 16 | 3 16 | 4 39 |
| T 19 | 21 0 | 4 12 | 5 12 | 22 20 | 0n11 | 14 38 | 1 17 | 0n 2 | 0 22 | 20 12 | 0 34 | 22 55 | 0 2 | 10 43 | 0 30 | 9 13 | 1 48 | 3 15 | 14 2 | 22 59 | 23 2 | 22 17 | 3 16 | 4 39 |
| F 20 | 21 11 | 0s59 | 5 17 | 21 52 | 0 31 | 15 2 | 1 15 | 0 12 | 0 20 | 20 13 | 0 34 | 22 54 | 0 2 | 10 44 | 0 30 | 9 14 | 1 48 | 3 14 | 14 2 | 22 59 | 23 2 | 22 17 | 3 16 | 4 38 |
| S 21 | 21 22 | 6 17 | 5 5 | 21 22 | 0 51 | 15 25 | 1 13 | 0 22 | 0 17 | 20 13 | 0 34 | 22 54 | 0 2 | 10 45 | 0 30 | 9 14 | 1 48 | 3 14 | 14 1 | 22 59 | 23 2 | 22 18 | 3 16 | 4 38 |
| S 22 | 21 33 | 11 25 | 4 33 | 20 51 | 1 11 | 15 49 | 1 12 | 0 33 | 0 15 | 20 14 | 0 34 | 22 53 | 0 2 | 10 46 | 0 30 | 9 15 | 1 48 | 3 14 | 14 1 | 22 58 | 23 2 | 22 18 | 3 17 | 4 38 |
| M23 | 21 43 | 16 4 | 3 43 | 20 19 | 1 31 | 16 12 | 1 10 | 0 44 | 0 13 | 20 15 | 0 35 | 22 53 | 0 2 | 10 47 | 0 30 | 9 16 | 1 48 | 3 14 | 14 1 | 22 58 | 23 1 | 22 18 | 3 17 | 4 37 |
| T 24 | 21 52 | 19 47 | 2 37 | 19 48 | 1 49 | 16 34 | 1 8 | 0 54 | 0 11 | 20 15 | 0 35 | 22 52 | 0 2 | 10 48 | 0 30 | 9 16 | 1 48 | 3 14 | 14 1 | 22 58 | 23 1 | 22 19 | 3 17 | 4 37 |
| W25 | 22 2 | 22 11 | 1 19 | 19 19 | 2 5 | 16 56 | 1 6 | 1 5 | 0 9 | 20 16 | 0 35 | 22 51 | 0 3 | 10 50 | 0 30 | 9 17 | 1 48 | 3 14 | 14 1 | 22 58 | 23 1 | 22 19 | 3 17 | 4 37 |
| T 26 | 22 11 | 22 58 | 0n 5 | 18 51 | 2 19 | 17 18 | 1 4 | 1 16 | 0 7 | 20 17 | 0 35 | 22 51 | 0 3 | 10 51 | 0 30 | 9 18 | 1 48 | 3 14 | 14 1 | 22 58 | 23 0 | 22 20 | 3 17 | 4 37 |
| F 27 | 22 19 | 22 3 | 1 28 | 18 26 | 2 31 | 17 39 | 1 2 | 1 28 | 0 5 | 20 18 | 0 36 | 22 50 | 0 3 | 10 52 | 0 30 | 9 18 | 1 48 | 3 13 | 14 1 | 22 58 | 23 0 | 22 20 | 3 17 | 4 36 |
| S 28 | 22 27 | 19 36 | 2 43 | 18 5 | 2 41 | 18 0 | 1 0 | 1 39 | 0 3 | 20 19 | 0 36 | 22 50 | 0 3 | 10 53 | 0 30 | 9 19 | 1 48 | 3 13 | 14 0 | 22 58 | 23 0 | 22 20 | 3 17 | 4 36 |
| S 29 | 22 35 | 15 57 | 3 46 | 17 48 | 2 48 | 18 20 | 0 58 | 1 50 | 0 1 | 20 20 | 0 36 | 22 49 | 0 3 | 10 54 | 0 30 | 9 19 | 1 48 | 3 13 | 14 0 | 22 58 | 23 0 | 22 21 | 3 17 | 4 36 |
| M30 | 22s42 | 11s31 | 4n33 | 17s35 | 2n53 | 18s40 | 0n56 | 2n 2 | 0n 1 | 20n21 | 0n36 | 22s48 | 0s 3 | 10s55 | 0n30 | 9s20 | 1n48 | 3n13 | 14s 0 | 22s58 | 22s59 | 22n21 | 3s17 | 4n35 |

Julian Day Number = 2136286.5, Delta T = 15m53s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'22, Lahiri = 11°49'23 Julian Calendar 1 Nov. 1136 == Greg. Calendar 8 Nov. 1136


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# ASTRODIENST EPHEMERIS for the year 1136
# geocentric

## DECEMBER 1136 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 5 26 | 15♐57'28 | 0♓21 | 0°R17 | 28♏10 | 5♈27 | 2°R 9 | 14♑36 | 29♎38 | 28♎36 | 15°R47 | 17♐37 | 17♐44 | 5♊ 5 | 10♓52 | T 1 |
| W 2 | 5 9 23 | 16°58'38 | 13°28 | 29♏58 | 29°26 | 5°52 | 2♌ 6 | 14°42 | 29°41 | 28°37 | 15♉46 | 17°37 | 17°41 | 5°12 | 10°53 | W 2 |
| T 3 | 5 13 19 | 17°59'48 | 26°12 | 29°D51 | 0♐41 | 6°17 | 2° 2 | 14°49 | 29°44 | 28°39 | 15°45 | 17°37 | 17°38 | 5°18 | 10°54 | T 3 |
| F 4 | 5 17 16 | 19° 0'58 | 8♈37 | 29°53 | 1°56 | 6°43 | 1°58 | 14°56 | 29°47 | 28°41 | 15°44 | 17°37 | 17°35 | 5°25 | 10°55 | F 4 |
| S 5 | 5 21 13 | 20° 2'08 | 20°47 | 0♐ 4 | 3°12 | 7° 9 | 1°53 | 15° 2 | 29°50 | 28°42 | 15°43 | 17°38 | 17°32 | 5°32 | 10°57 | S 5 |
| S 6 | 5 25 9 | 21° 3'18 | 2♉46 | 0°23 | 4°27 | 7°35 | 1°49 | 15° 9 | 29°52 | 28°44 | 15°42 | 17°38 | 17°28 | 5°38 | 10°58 | S 6 |
| M 7 | 5 29 6 | 22° 4'28 | 14°38 | 0°51 | 5°42 | 8° 2 | 1°44 | 15°16 | 29°55 | 28°45 | 15°41 | 17°38 | 17°25 | 5°45 | 10°59 | M 7 |
| T 8 | 5 33 2 | 23° 5'38 | 26°27 | 1°24 | 6°58 | 8°29 | 1°39 | 15°23 | 29°58 | 28°47 | 15°40 | 17°39 | 17°22 | 5°52 | 11° 0 | T 8 |
| W 9 | 5 36 59 | 24° 6'49 | 8♊14 | 2° 5 | 8°13 | 8°56 | 1°35 | 15°29 | 0♏ 0 | 28°48 | 15°40 | 17°39 | 17°19 | 5°58 | 11° 2 | W 9 |
| T 10 | 5 40 55 | 25° 7'59 | 20° 4 | 2°50 | 9°28 | 9°23 | 1°29 | 15°36 | 0° 3 | 28°50 | 15°39 | 17°R39 | 17°16 | 6° 5 | 11° 3 | T 10 |
| F 11 | 5 44 52 | 26° 9'10 | 1♋57 | 3°40 | 10°44 | 9°51 | 1°24 | 15°43 | 0° 5 | 28°51 | 15°38 | 17°39 | 17°12 | 6°12 | 11° 4 | F 11 |
| S 12 | 5 48 48 | 27°10'21 | 13°56 | 4°35 | 11°59 | 10°18 | 1°19 | 15°50 | 0° 8 | 28°52 | 15°37 | 17°38 | 17° 9 | 6°18 | 11° 6 | S 12 |
| S 13 | 5 52 45 | 28°11'31 | 26° 3 | 5°34 | 13°14 | 10°46 | 1°13 | 15°57 | 0°10 | 28°54 | 15°36 | 17°37 | 17° 6 | 6°25 | 11° 7 | S 13 |
| M14 | 5 56 42 | 29°12'42 | 8♌20 | 6°35 | 14°30 | 11°15 | 1° 7 | 16° 4 | 0°13 | 28°55 | 15°35 | 17°35 | 17° 3 | 6°31 | 11° 9 | M14 |
| T 15 | 6 0 38 | 0♑13'53 | 20°49 | 7°40 | 15°45 | 11°43 | 1° 1 | 16°11 | 0°15 | 28°57 | 15°35 | 17°34 | 17° 0 | 6°38 | 11°11 | T 15 |
| W16 | 6 4 35 | 1°15'04 | 3♍31 | 8°48 | 17° 1 | 12°12 | 0°55 | 16°18 | 0°17 | 28°58 | 15°34 | 17°32 | 16°57 | 6°45 | 11°12 | W16 |
| T 17 | 6 8 31 | 2°16'16 | 16°30 | 9°58 | 18°16 | 12°41 | 0°49 | 16°25 | 0°19 | 28°59 | 15°33 | 17°31 | 16°53 | 6°51 | 11°14 | T 17 |
| F 18 | 6 12 28 | 3°17'27 | 29°48 | 11°10 | 19°31 | 13°10 | 0°43 | 16°32 | 0°22 | 29° 0 | 15°32 | 17°D30 | 16°50 | 6°58 | 11°16 | F 18 |
| S 19 | 6 16 24 | 4°18'38 | 13♎26 | 12°24 | 20°47 | 13°40 | 0°37 | 16°39 | 0°24 | 29° 1 | 15°32 | 17°30 | 16°47 | 7° 5 | 11°18 | S 19 |
| S 20 | 6 20 21 | 5°19'50 | 27°25 | 13°39 | 22° 2 | 14° 9 | 0°30 | 16°46 | 0°26 | 29° 3 | 15°31 | 17°31 | 16°44 | 7°11 | 11°20 | S 20 |
| M21 | 6 24 17 | 6°21'01 | 11♏46 | 14°57 | 23°17 | 14°39 | 0°23 | 16°53 | 0°28 | 29° 4 | 15°30 | 17°32 | 16°41 | 7°18 | 11°22 | M21 |
| T 22 | 6 28 14 | 7°22'13 | 26°26 | 16°15 | 24°33 | 15° 9 | 0°16 | 17° 0 | 0°30 | 29° 5 | 15°30 | 17°34 | 16°38 | 7°25 | 11°24 | T 22 |
| W23 | 6 32 11 | 8°23'25 | 11♐20 | 17°35 | 25°48 | 15°39 | 0°10 | 17° 7 | 0°32 | 29° 6 | 15°29 | 17°R34 | 16°34 | 7°31 | 11°26 | W23 |
| T 24 | 6 36 7 | 9°24'36 | 26°21 | 18°56 | 27° 4 | 16° 9 | 0° 3 | 17°14 | 0°34 | 29° 7 | 15°29 | 17°34 | 16°31 | 7°38 | 11°28 | T 24 |
| F 25 | 6 40 4 | 10°25'47 | 11♑22 | 20°18 | 28°19 | 16°40 | 29♋55 | 17°21 | 0°36 | 29° 8 | 15°28 | 17°33 | 16°28 | 7°45 | 11°30 | F 25 |
| S 26 | 6 44 0 | 11°26'57 | 26°13 | 21°42 | 29°34 | 17°11 | 29°48 | 17°28 | 0°38 | 29° 9 | 15°27 | 17°31 | 16°25 | 7°51 | 11°32 | S 26 |
| S 27 | 6 47 57 | 12°28'07 | 10♒46 | 23° 6 | 0♑50 | 17°42 | 29°41 | 17°35 | 0°39 | 29°10 | 15°27 | 17°27 | 16°22 | 7°58 | 11°35 | S 27 |
| M28 | 6 51 53 | 13°29'16 | 24°56 | 24°30 | 2° 5 | 18°13 | 29°33 | 17°43 | 0°41 | 29°11 | 15°26 | 17°23 | 16°19 | 8° 5 | 11°37 | M28 |
| T 29 | 6 55 50 | 14°30'25 | 8♓39 | 25°56 | 3°20 | 18°44 | 29°26 | 17°50 | 0°43 | 29°12 | 15°26 | 17°19 | 16°15 | 8°11 | 11°39 | T 29 |
| W30 | 6 59 47 | 15°31'32 | 21°54 | 27°23 | 4°36 | 19°15 | 29°18 | 17°57 | 0°44 | 29°13 | 15°25 | 17°16 | 16°12 | 8°18 | 11°41 | W30 |
| T 31 | 7 3 43 | 16♑32'38 | 4♈44 | 28♐50 | 5♑51 | 19♈47 | 29♋11 | 18♑ 4 | 0♏46 | 29♎13 | 15♉25 | 17♐14 | 16♐ 9 | 8♊24 | 11♓44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s48 | 6s39 | 5n 4 | 17s26 | 2n56 | 18s59 | 0n53 | 2n13 | 0n 3 | 20n22 | 0n36 | 22s48 | 0s 3 | 10s56 | 0n30 | 9s20 | 1n48 | 3n13 | 14s 0 | 22s58 | 22s59 | 22n21 | 3s17 | 4n35 |
| W 2 | 22 55 | 1 39 | 5 17 | 17 21 | 2 57 | 19 17 | 0 51 | 2 25 | 0 5 | 20 23 | 0 37 | 22 47 | 0 3 | 10 57 | 0 30 | 9 21 | 1 48 | 3 13 | 14 0 | 22 58 | 22 59 | 22 22 | 3 17 | 4 35 |
| T 3 | 23 0 | 3n18 | 5 15 | 17 20 | 2 57 | 19 35 | 0 49 | 2 37 | 0 7 | 20 24 | 0 37 | 22 46 | 0 3 | 10 58 | 0 30 | 9 21 | 1 48 | 3 13 | 13 59 | 22 58 | 22 58 | 22 22 | 3 17 | 4 34 |
| F 4 | 23 6 | 7 59 | 4 57 | 17 22 | 2 55 | 19 53 | 0 47 | 2 48 | 0 8 | 20 25 | 0 37 | 22 46 | 0 3 | 10 59 | 0 30 | 9 22 | 1 48 | 3 13 | 13 59 | 22 58 | 22 58 | 22 22 | 3 17 | 4 34 |
| S 5 | 23 10 | 12 16 | 4 27 | 17 28 | 2 52 | 20 10 | 0 44 | 3 0 | 0 10 | 20 26 | 0 37 | 22 45 | 0 3 | 11 0 | 0 30 | 9 23 | 1 48 | 3 13 | 13 59 | 22 58 | 22 58 | 22 23 | 3 17 | 4 34 |
| S 6 | 23 15 | 16 0 | 3 45 | 17 36 | 2 47 | 20 27 | 0 42 | 3 12 | 0 12 | 20 27 | 0 37 | 22 44 | 0 3 | 11 1 | 0 30 | 9 23 | 1 48 | 3 13 | 13 59 | 22 58 | 22 57 | 22 23 | 3 16 | 4 33 |
| M 7 | 23 19 | 19 4 | 2 54 | 17 47 | 2 42 | 20 42 | 0 40 | 3 24 | 0 13 | 20 29 | 0 38 | 22 44 | 0 3 | 11 2 | 0 30 | 9 24 | 1 48 | 3 13 | 13 59 | 22 58 | 22 57 | 22 23 | 3 16 | 4 33 |
| T 8 | 23 22 | 21 19 | 1 55 | 17 59 | 2 36 | 20 58 | 0 37 | 3 36 | 0 15 | 20 30 | 0 38 | 22 43 | 0 3 | 11 3 | 0 30 | 9 24 | 1 49 | 3 13 | 13 58 | 22 58 | 22 57 | 22 24 | 3 16 | 4 33 |
| W 9 | 23 25 | 22 38 | 0 52 | 18 14 | 2 30 | 21 12 | 0 35 | 3 48 | 0 16 | 20 31 | 0 38 | 22 42 | 0 4 | 11 3 | 0 30 | 9 24 | 1 49 | 3 13 | 13 58 | 22 58 | 22 57 | 22 24 | 3 16 | 4 33 |
| T 10 | 23 28 | 22 57 | 0s13 | 18 29 | 2 23 | 21 26 | 0 32 | 4 1 | 0 18 | 20 33 | 0 38 | 22 42 | 0 4 | 11 4 | 0 30 | 9 25 | 1 49 | 3 13 | 13 58 | 22 58 | 22 56 | 22 24 | 3 16 | 4 32 |
| F 11 | 23 30 | 22 14 | 1 19 | 18 46 | 2 15 | 21 40 | 0 30 | 4 13 | 0 20 | 20 34 | 0 38 | 22 41 | 0 4 | 11 5 | 0 30 | 9 25 | 1 49 | 3 13 | 13 58 | 22 58 | 22 56 | 22 25 | 3 15 | 4 32 |
| S 12 | 23 31 | 20 29 | 2 21 | 19 4 | 2 7 | 21 52 | 0 28 | 4 25 | 0 21 | 20 35 | 0 39 | 22 40 | 0 4 | 11 6 | 0 30 | 9 26 | 1 49 | 3 13 | 13 58 | 22 58 | 22 56 | 22 25 | 3 15 | 4 32 |
| S 13 | 23 32 | 17 48 | 3 17 | 19 22 | 1 59 | 22 5 | 0 25 | 4 38 | 0 22 | 20 37 | 0 39 | 22 39 | 0 4 | 11 7 | 0 30 | 9 26 | 1 49 | 3 13 | 13 57 | 22 58 | 22 55 | 22 25 | 3 15 | 4 31 |
| M14 | 23 33 | 14 19 | 4 6 | 19 41 | 1 51 | 22 16 | 0 23 | 4 50 | 0 24 | 20 38 | 0 39 | 22 39 | 0 4 | 11 8 | 0 30 | 9 27 | 1 49 | 3 13 | 13 57 | 22 58 | 22 55 | 22 26 | 3 14 | 4 31 |
| T 15 | 23 33 | 10 9 | 4 43 | 20 0 | 1 43 | 22 27 | 0 20 | 5 3 | 0 25 | 20 40 | 0 39 | 22 38 | 0 4 | 11 8 | 0 30 | 9 27 | 1 49 | 3 13 | 13 57 | 22 58 | 22 55 | 22 26 | 3 14 | 4 31 |
| W16 | 23 33 | 5 29 | 5 7 | 20 19 | 1 34 | 22 37 | 0 18 | 5 15 | 0 27 | 20 41 | 0 39 | 22 37 | 0 4 | 11 9 | 0 30 | 9 28 | 1 49 | 3 13 | 13 57 | 22 58 | 22 54 | 22 26 | 3 14 | 4 30 |
| T 17 | 23 32 | 0 29 | 5 17 | 20 38 | 1 26 | 22 47 | 0 15 | 5 28 | 0 28 | 20 43 | 0 40 | 22 36 | 0 4 | 11 10 | 0 30 | 9 28 | 1 49 | 3 13 | 13 56 | 22 58 | 22 54 | 22 26 | 3 13 | 4 30 |
| F 18 | 23 31 | 4s39 | 5 10 | 20 57 | 1 17 | 22 55 | 0 13 | 5 40 | 0 29 | 20 44 | 0 40 | 22 36 | 0 4 | 11 11 | 0 30 | 9 28 | 1 49 | 3 13 | 13 56 | 22 58 | 22 54 | 22 27 | 3 13 | 4 30 |
| S 19 | 23 29 | 9 42 | 4 45 | 21 15 | 1 9 | 23 3 | 0 10 | 5 53 | 0 30 | 20 46 | 0 40 | 22 35 | 0 4 | 11 12 | 0 30 | 9 29 | 1 49 | 3 13 | 13 56 | 22 58 | 22 53 | 22 27 | 3 12 | 4 30 |
| S 20 | 23 27 | 14 23 | 4 3 | 21 33 | 1 0 | 23 11 | 0 8 | 6 6 | 0 32 | 20 48 | 0 40 | 22 34 | 0 4 | 11 12 | 0 30 | 9 29 | 1 49 | 3 13 | 13 56 | 22 58 | 22 53 | 22 27 | 3 12 | 4 29 |
| M21 | 23 24 | 18 22 | 3 5 | 21 51 | 0 52 | 23 17 | 0 5 | 6 18 | 0 33 | 20 49 | 0 40 | 22 33 | 0 4 | 11 13 | 0 30 | 9 29 | 1 49 | 3 13 | 13 55 | 22 58 | 22 53 | 22 28 | 3 11 | 4 29 |
| T 22 | 23 21 | 21 18 | 1 54 | 22 7 | 0 43 | 23 23 | 0 3 | 6 31 | 0 34 | 20 51 | 0 41 | 22 32 | 0 4 | 11 14 | 0 30 | 9 30 | 1 49 | 3 13 | 13 55 | 22 58 | 22 52 | 22 28 | 3 11 | 4 29 |
| W23 | 23 17 | 22 49 | 0 34 | 22 23 | 0 35 | 23 29 | 0 0 | 6 44 | 0 35 | 20 52 | 0 41 | 22 31 | 0 5 | 11 14 | 0 30 | 9 30 | 1 49 | 3 13 | 13 55 | 22 58 | 22 52 | 22 28 | 3 10 | 4 28 |
| T 24 | 23 13 | 22 42 | 0n48 | 22 39 | 0 27 | 23 33 | 0s 2 | 6 57 | 0 36 | 20 54 | 0 41 | 22 31 | 0 5 | 11 15 | 0 30 | 9 30 | 1 49 | 3 13 | 13 55 | 22 58 | 22 52 | 22 28 | 3 10 | 4 28 |
| F 25 | 23 8 | 20 57 | 2 8 | 22 53 | 0 18 | 23 37 | 0 4 | 7 9 | 0 38 | 20 56 | 0 41 | 22 30 | 0 5 | 11 16 | 0 30 | 9 31 | 1 49 | 3 13 | 13 54 | 22 58 | 22 52 | 22 28 | 3 9 | 4 28 |
| S 26 | 23 3 | 17 47 | 3 17 | 23 7 | 0 10 | 23 40 | 0 7 | 7 22 | 0 39 | 20 58 | 0 41 | 22 29 | 0 5 | 11 16 | 0 30 | 9 31 | 1 50 | 3 13 | 13 54 | 22 58 | 22 51 | 22 29 | 3 9 | 4 28 |
| S 27 | 22 58 | 13 34 | 4 13 | 23 20 | 0 3 | 23 42 | 0 9 | 7 35 | 0 40 | 20 59 | 0 41 | 22 28 | 0 5 | 11 17 | 0 30 | 9 31 | 1 50 | 3 13 | 13 54 | 22 57 | 22 51 | 22 29 | 3 8 | 4 27 |
| M28 | 22 52 | 8 42 | 4 51 | 23 31 | 0s 5 | 23 44 | 0 12 | 7 48 | 0 41 | 21 1 | 0 42 | 22 27 | 0 5 | 11 17 | 0 30 | 9 32 | 1 50 | 3 13 | 13 54 | 22 57 | 22 51 | 22 29 | 3 7 | 4 27 |
| T 29 | 22 45 | 3 34 | 5 11 | 23 42 | 0 13 | 23 45 | 0 14 | 8 1 | 0 42 | 21 3 | 0 42 | 22 26 | 0 5 | 11 18 | 0 30 | 9 32 | 1 50 | 3 14 | 13 53 | 22 57 | 22 50 | 22 29 | 3 7 | 4 27 |
| W30 | 22 39 | 1n34 | 5 13 | 23 51 | 0 20 | 23 45 | 0 17 | 8 14 | 0 43 | 21 4 | 0 42 | 22 25 | 0 5 | 11 19 | 0 30 | 9 32 | 1 50 | 3 14 | 13 53 | 22 56 | 22 50 | 22 30 | 3 6 | 4 27 |
| T 31 | 22s31 | 6n28 | 5n 0 | 24s 0 | 0s27 | 23s44 | 0s19 | 8n27 | 0n44 | 21n 6 | 0n42 | 22s25 | 0s 5 | 11s19 | 0n30 | 9s32 | 1n50 | 3n14 | 13s53 | 22s56 | 22s50 | 22n30 | 3s 5 | 4n26 |

Julian Day Number = 2136316.5, Delta T = 15m53s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'26, Lahiri = 11°49'27 Julian Calendar 1 Dec. 1136 == Greg. Calendar 8 Dec. 1136


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## JANUARY 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 7 40 | 17♑33'44 | 17♈12 | 0♑18 | 7♑ 6 | 20♈19 | 29°R 3 | 18♑11 | 0♏47 | 29♎14 | 15°R24 | 17°D13 | 16♐ 6 | 8♊31 | 11♓46 | F 1 |
| S 2 | 7 11 36 | 18°34'48 | 29°22 | 1°47 | 8°22 | 20°50 | 28♋55 | 18°18 | 0°49 | 29°15 | 15♉24 | 17♐14 | 16° 3 | 8°38 | 11°49 | S 2 |
| S 3 | 7 15 33 | 19°35'52 | 11♉20 | 3°16 | 9°37 | 21°22 | 28°48 | 18°26 | 0°50 | 29°16 | 15°23 | 17°15 | 15°59 | 8°44 | 11°51 | S 3 |
| M 4 | 7 19 29 | 20°36'54 | 23° 9 | 4°46 | 10°52 | 21°54 | 28°40 | 18°33 | 0°52 | 29°16 | 15°23 | 17°17 | 15°56 | 8°51 | 11°54 | M 4 |
| T 5 | 7 23 26 | 21°37'56 | 4♊56 | 6°17 | 12° 8 | 22°27 | 28°32 | 18°40 | 0°53 | 29°17 | 15°23 | 17°19 | 15°53 | 8°58 | 11°57 | T 5 |
| W 6 | 7 27 22 | 22°38'56 | 16°44 | 7°48 | 13°23 | 22°59 | 28°24 | 18°47 | 0°54 | 29°18 | 15°22 | 17°R20 | 15°50 | 9° 4 | 11°59 | W 6 |
| T 7 | 7 31 19 | 23°39'55 | 28°36 | 9°20 | 14°38 | 23°32 | 28°16 | 18°54 | 0°56 | 29°18 | 15°22 | 17°19 | 15°47 | 9°11 | 12° 2 | T 7 |
| F 8 | 7 35 16 | 24°40'54 | 10♋37 | 10°53 | 15°53 | 24° 4 | 28° 8 | 19° 1 | 0°57 | 29°19 | 15°22 | 17°16 | 15°44 | 9°18 | 12° 5 | F 8 |
| S 9 | 7 39 12 | 25°41'51 | 22°48 | 12°26 | 17° 9 | 24°37 | 28° 0 | 19° 8 | 0°58 | 29°19 | 15°21 | 17°12 | 15°40 | 9°24 | 12° 8 | S 9 |
| S 10 | 7 43 9 | 26°42'47 | 5♌10 | 14° 0 | 18°24 | 25°10 | 27°52 | 19°15 | 0°59 | 29°20 | 15°21 | 17° 6 | 15°37 | 9°31 | 12°10 | S 10 |
| M11 | 7 47 5 | 27°43'42 | 17°44 | 15°34 | 19°39 | 25°43 | 27°44 | 19°23 | 1° 0 | 29°20 | 15°21 | 16°58 | 15°34 | 9°38 | 12°13 | M11 |
| T 12 | 7 51 2 | 28°44'36 | 0♍31 | 17°10 | 20°55 | 26°16 | 27°36 | 19°30 | 1° 1 | 29°21 | 15°21 | 16°51 | 15°31 | 9°44 | 12°16 | T 12 |
| W13 | 7 54 58 | 29°45'29 | 13°31 | 18°46 | 22°10 | 26°49 | 27°28 | 19°37 | 1° 2 | 29°21 | 15°20 | 16°43 | 15°28 | 9°51 | 12°19 | W13 |
| T 14 | 7 58 55 | 0♒46'21 | 26°43 | 20°22 | 23°25 | 27°22 | 27°20 | 19°44 | 1° 2 | 29°21 | 15°20 | 16°37 | 15°24 | 9°58 | 12°22 | T 14 |
| F 15 | 8 2 51 | 1°47'13 | 10♎ 8 | 22° 0 | 24°40 | 27°55 | 27°12 | 19°51 | 1° 3 | 29°22 | 15°20 | 16°33 | 15°21 | 10° 4 | 12°25 | F 15 |
| S 16 | 8 6 48 | 2°48'03 | 23°46 | 23°38 | 25°56 | 28°29 | 27° 4 | 19°58 | 1° 4 | 29°22 | 15°20 | 16°31 | 15°18 | 10°11 | 12°28 | S 16 |
| S 17 | 8 10 45 | 3°48'52 | 7♏37 | 25°17 | 27°11 | 29° 2 | 26°56 | 20° 5 | 1° 5 | 29°22 | 15°20 | 16°D30 | 15°15 | 10°17 | 12°31 | S 17 |
| M18 | 8 14 41 | 4°49'41 | 21°42 | 26°57 | 28°26 | 29°36 | 26°48 | 20°12 | 1° 5 | 29°22 | 15°20 | 16°31 | 15°12 | 10°24 | 12°34 | M18 |
| T 19 | 8 18 38 | 5°50'29 | 6♐ 0 | 28°37 | 29°41 | 0♉10 | 26°40 | 20°19 | 1° 6 | 29°23 | 15°20 | 16°32 | 15° 9 | 10°31 | 12°37 | T 19 |
| W20 | 8 22 34 | 6°51'15 | 20°29 | 0♒18 | 0♒56 | 0°44 | 26°33 | 20°26 | 1° 6 | 29°23 | 15°19 | 16°R33 | 15° 5 | 10°37 | 12°40 | W20 |
| T 21 | 8 26 31 | 7°52'01 | 5♑ 5 | 2° 0 | 2°12 | 1°18 | 26°25 | 20°33 | 1° 7 | 29°23 | 15°19 | 16°31 | 15° 2 | 10°44 | 12°44 | T 21 |
| F 22 | 8 30 27 | 8°52'45 | 19°43 | 3°43 | 3°27 | 1°52 | 26°17 | 20°40 | 1° 7 | 29°23 | 15°D19 | 16°27 | 14°59 | 10°51 | 12°47 | F 22 |
| S 23 | 8 34 24 | 9°53'28 | 4♒17 | 5°27 | 4°42 | 2°26 | 26°10 | 20°47 | 1° 7 | 29°23 | 15°19 | 16°21 | 14°56 | 10°57 | 12°50 | S 23 |
| S 24 | 8 38 20 | 10°54'09 | 18°40 | 7°12 | 5°57 | 3° 0 | 26° 2 | 20°54 | 1° 8 | 29°R23 | 15°19 | 16°13 | 14°53 | 11° 4 | 12°53 | S 24 |
| M25 | 8 42 17 | 11°54'49 | 2♓45 | 8°57 | 7°12 | 3°34 | 25°54 | 21° 0 | 1° 8 | 29°23 | 15°19 | 16° 3 | 14°50 | 11°11 | 12°57 | M25 |
| T 26 | 8 46 14 | 12°55'27 | 16°28 | 10°43 | 8°27 | 4° 8 | 25°47 | 21° 7 | 1° 8 | 29°23 | 15°20 | 15°53 | 14°46 | 11°17 | 13° 0 | T 26 |
| W27 | 8 50 10 | 13°56'04 | 29°47 | 12°30 | 9°43 | 4°43 | 25°40 | 21°14 | 1° 8 | 29°23 | 15°20 | 15°44 | 14°43 | 11°24 | 13° 3 | W27 |
| T 28 | 8 54 7 | 14°56'38 | 12♈41 | 14°18 | 10°58 | 5°17 | 25°33 | 21°21 | 1°R 8 | 29°23 | 15°20 | 15°37 | 14°40 | 11°31 | 13° 7 | T 28 |
| F 29 | 8 58 3 | 15°57'11 | 25°12 | 16° 7 | 12°13 | 5°52 | 25°25 | 21°28 | 1° 8 | 29°22 | 15°20 | 15°33 | 14°37 | 11°37 | 13°10 | F 29 |
| S 30 | 9 2 0 | 16°57'42 | 7♉25 | 17°57 | 13°28 | 6°26 | 25°18 | 21°34 | 1° 8 | 29°22 | 15°20 | 15°30 | 14°34 | 11°44 | 13°13 | S 30 |
| S 31 | 9 5 56 | 17♒58'12 | 19♉23 | 19♒47 | 14♒43 | 7♉ 1 | 25♋12 | 21♑41 | 1♏ 8 | 29♎22 | 15♉20 | 15°D30 | 14♐30 | 11♊50 | 13♓17 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s23 | 10n59 | 4n32 | 24s 7 | 0s34 | 23s43 | 0s21 | 8n40 | 0n45 | 21n 8 | 0n42 | 22s24 | 0s 5 | 11s20 | 0n30 | 9s32 | 1n50 | 3n14 | 13s52 | 22s56 | 22s49 | 22n30 | 3s 5 | 4n26 |
| S 2 | 22 15 | 14 56 | 3 53 | 24 13 | 0 41 | 23 41 | 0 24 | 8 53 | 0 46 | 21 10 | 0 42 | 22 23 | 0 5 | 11 20 | 0 30 | 9 33 | 1 50 | 3 14 | 13 52 | 22 56 | 22 49 | 22 30 | 3 4 | 4 26 |
| S 3 | 22 7 | 18 13 | 3 5 | 24 18 | 0 48 | 23 38 | 0 26 | 9 5 | 0 47 | 21 12 | 0 43 | 22 22 | 0 5 | 11 21 | 0 31 | 9 33 | 1 50 | 3 14 | 13 52 | 22 56 | 22 49 | 22 30 | 3 3 | 4 26 |
| M 4 | 21 58 | 20 43 | 2 9 | 24 22 | 0 54 | 23 34 | 0 28 | 9 18 | 0 47 | 21 13 | 0 43 | 22 21 | 0 5 | 11 21 | 0 31 | 9 33 | 1 50 | 3 15 | 13 52 | 22 56 | 22 48 | 22 30 | 3 2 | 4 25 |
| T 5 | 21 48 | 22 19 | 1 7 | 24 24 | 1 0 | 23 30 | 0 31 | 9 31 | 0 48 | 21 15 | 0 43 | 22 20 | 0 5 | 11 21 | 0 31 | 9 33 | 1 50 | 3 15 | 13 51 | 22 57 | 22 48 | 22 31 | 3 2 | 4 25 |
| W 6 | 21 38 | 22 56 | 0 3 | 24 25 | 1 6 | 23 25 | 0 33 | 9 44 | 0 49 | 21 17 | 0 43 | 22 19 | 0 6 | 11 22 | 0 31 | 9 33 | 1 50 | 3 15 | 13 51 | 22 57 | 22 48 | 22 31 | 3 1 | 4 25 |
| T 7 | 21 28 | 22 31 | 1s 1 | 24 25 | 1 12 | 23 19 | 0 35 | 9 57 | 0 50 | 21 19 | 0 43 | 22 18 | 0 6 | 11 22 | 0 31 | 9 34 | 1 50 | 3 15 | 13 51 | 22 57 | 22 47 | 22 31 | 3 0 | 4 25 |
| F 8 | 21 17 | 21 4 | 2 4 | 24 23 | 1 17 | 23 13 | 0 37 | 10 10 | 0 51 | 21 20 | 0 43 | 22 17 | 0 6 | 11 23 | 0 31 | 9 34 | 1 50 | 3 15 | 13 50 | 22 56 | 22 47 | 22 31 | 2 59 | 4 24 |
| S 9 | 21 6 | 18 38 | 3 1 | 24 20 | 1 23 | 23 6 | 0 39 | 10 23 | 0 52 | 21 22 | 0 43 | 22 16 | 0 6 | 11 23 | 0 31 | 9 34 | 1 50 | 3 16 | 13 50 | 22 56 | 22 47 | 22 31 | 2 58 | 4 24 |
| S 10 | 20 55 | 15 20 | 3 51 | 24 16 | 1 27 | 22 58 | 0 41 | 10 36 | 0 52 | 21 24 | 0 44 | 22 15 | 0 6 | 11 23 | 0 31 | 9 34 | 1 50 | 3 16 | 13 50 | 22 55 | 22 46 | 22 31 | 2 58 | 4 24 |
| M11 | 20 43 | 11 18 | 4 30 | 24 10 | 1 32 | 22 49 | 0 43 | 10 48 | 0 53 | 21 26 | 0 44 | 22 14 | 0 6 | 11 24 | 0 31 | 9 34 | 1 51 | 3 16 | 13 49 | 22 55 | 22 46 | 22 32 | 2 57 | 4 24 |
| T 12 | 20 30 | 6 43 | 4 57 | 24 2 | 1 37 | 22 40 | 0 46 | 11 1 | 0 54 | 21 27 | 0 44 | 22 14 | 0 6 | 11 24 | 0 31 | 9 34 | 1 51 | 3 16 | 13 49 | 22 54 | 22 46 | 22 32 | 2 56 | 4 24 |
| W13 | 20 18 | 1 46 | 5 9 | 23 54 | 1 41 | 22 30 | 0 48 | 11 14 | 0 55 | 21 29 | 0 44 | 22 13 | 0 6 | 11 24 | 0 31 | 9 34 | 1 51 | 3 16 | 13 49 | 22 53 | 22 45 | 22 32 | 2 55 | 4 23 |
| T 14 | 20 5 | 3s20 | 5 4 | 23 43 | 1 45 | 22 19 | 0 49 | 11 27 | 0 55 | 21 31 | 0 44 | 22 12 | 0 6 | 11 25 | 0 31 | 9 34 | 1 51 | 3 17 | 13 48 | 22 52 | 22 45 | 22 32 | 2 54 | 4 23 |
| F 15 | 19 51 | 8 22 | 4 44 | 23 31 | 1 48 | 22 8 | 0 51 | 11 39 | 0 56 | 21 32 | 0 44 | 22 11 | 0 6 | 11 25 | 0 31 | 9 34 | 1 51 | 3 17 | 13 48 | 22 52 | 22 44 | 22 32 | 2 53 | 4 23 |
| S 16 | 19 37 | 13 5 | 4 7 | 23 18 | 1 51 | 21 56 | 0 53 | 11 52 | 0 57 | 21 34 | 0 44 | 22 10 | 0 6 | 11 25 | 0 31 | 9 34 | 1 51 | 3 17 | 13 48 | 22 52 | 22 44 | 22 32 | 2 52 | 4 23 |
| S 17 | 19 23 | 17 11 | 3 15 | 23 3 | 1 54 | 21 43 | 0 55 | 12 5 | 0 58 | 21 36 | 0 44 | 22 9 | 0 6 | 11 25 | 0 31 | 9 34 | 1 51 | 3 17 | 13 48 | 22 52 | 22 44 | 22 32 | 2 51 | 4 23 |
| M18 | 19 9 | 20 22 | 2 10 | 22 46 | 1 57 | 21 30 | 0 57 | 12 17 | 0 58 | 21 37 | 0 45 | 22 8 | 0 6 | 11 25 | 0 31 | 9 34 | 1 51 | 3 18 | 13 47 | 22 52 | 22 43 | 22 32 | 2 50 | 4 22 |
| T 19 | 18 54 | 22 20 | 0 57 | 22 28 | 1 59 | 21 16 | 0 59 | 12 30 | 0 59 | 21 39 | 0 45 | 22 7 | 0 7 | 11 26 | 0 31 | 9 34 | 1 51 | 3 18 | 13 47 | 22 52 | 22 43 | 22 32 | 2 49 | 4 22 |
| W20 | 18 39 | 22 51 | 0n21 | 22 9 | 2 1 | 21 1 | 1 0 | 12 42 | 0 59 | 21 40 | 0 45 | 22 6 | 0 7 | 11 26 | 0 31 | 9 34 | 1 51 | 3 18 | 13 47 | 22 52 | 22 43 | 22 32 | 2 48 | 4 22 |
| T 21 | 18 23 | 21 49 | 1 38 | 21 47 | 2 2 | 20 46 | 1 2 | 12 55 | 1 0 | 21 42 | 0 45 | 22 5 | 0 7 | 11 26 | 0 31 | 9 34 | 1 51 | 3 19 | 13 46 | 22 52 | 22 42 | 22 33 | 2 47 | 4 22 |
| F 22 | 18 7 | 19 19 | 2 49 | 21 24 | 2 3 | 20 30 | 1 4 | 13 7 | 1 1 | 21 44 | 0 45 | 22 4 | 0 7 | 11 26 | 0 31 | 9 34 | 1 51 | 3 19 | 13 46 | 22 51 | 22 42 | 22 33 | 2 46 | 4 22 |
| S 23 | 17 51 | 15 35 | 3 48 | 21 0 | 2 4 | 20 14 | 1 5 | 13 20 | 1 1 | 21 45 | 0 45 | 22 3 | 0 7 | 11 26 | 0 31 | 9 34 | 1 51 | 3 19 | 13 46 | 22 51 | 22 42 | 22 33 | 2 45 | 4 21 |
| S 24 | 17 35 | 11 0 | 4 31 | 20 33 | 2 4 | 19 57 | 1 7 | 13 32 | 1 2 | 21 47 | 0 45 | 22 2 | 0 7 | 11 26 | 0 31 | 9 34 | 1 51 | 3 20 | 13 45 | 22 50 | 22 41 | 22 33 | 2 44 | 4 21 |
| M25 | 17 18 | 5 55 | 4 57 | 20 6 | 2 4 | 19 39 | 1 8 | 13 44 | 1 2 | 21 48 | 0 45 | 22 1 | 0 7 | 11 26 | 0 31 | 9 34 | 1 51 | 3 20 | 13 45 | 22 49 | 22 41 | 22 33 | 2 43 | 4 21 |
| T 26 | 17 1 | 0 40 | 5 6 | 19 36 | 2 3 | 19 21 | 1 10 | 13 57 | 1 3 | 21 50 | 0 45 | 22 0 | 0 7 | 11 26 | 0 31 | 9 34 | 1 51 | 3 20 | 13 45 | 22 48 | 22 41 | 22 33 | 2 42 | 4 21 |
| W27 | 16 43 | 4n27 | 4 57 | 19 5 | 2 2 | 19 2 | 1 11 | 14 9 | 1 4 | 21 51 | 0 45 | 21 59 | 0 7 | 11 26 | 0 31 | 9 34 | 1 52 | 3 20 | 13 44 | 22 47 | 22 40 | 22 33 | 2 41 | 4 21 |
| T 28 | 16 26 | 9 12 | 4 33 | 18 32 | 2 1 | 18 43 | 1 12 | 14 21 | 1 4 | 21 52 | 0 45 | 21 58 | 0 7 | 11 26 | 0 31 | 9 34 | 1 52 | 3 21 | 13 44 | 22 46 | 22 40 | 22 33 | 2 39 | 4 21 |
| F 29 | 16 8 | 13 27 | 3 56 | 17 58 | 1 58 | 18 23 | 1 13 | 14 33 | 1 5 | 21 54 | 0 45 | 21 57 | 0 7 | 11 26 | 0 31 | 9 34 | 1 52 | 3 21 | 13 44 | 22 46 | 22 40 | 22 33 | 2 38 | 4 20 |
| S 30 | 15 49 | 17 2 | 3 9 | 17 22 | 1 56 | 18 3 | 1 15 | 14 45 | 1 5 | 21 55 | 0 46 | 21 56 | 0 7 | 11 26 | 0 31 | 9 34 | 1 52 | 3 22 | 13 43 | 22 45 | 22 39 | 22 33 | 2 37 | 4 20 |
| S 31 | 15s31 | 19n49 | 2n15 | 16s44 | 1s53 | 17s42 | 1s16 | 14n57 | 1n 6 | 21n57 | 0n46 | 21s55 | 0s 7 | 11s26 | 0n31 | 9s33 | 1n52 | 3n22 | 13s43 | 22s45 | 22s39 | 22n33 | 2s36 | 4n20 |

Julian Day Number = 2136347.5, Delta T = 15m53s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'31, Lahiri = 11°49'31 Julian Calendar 1 Jan. 1137 == Greg. Calendar 8 Jan. 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## FEBRUARY 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 9 53 | 18♒58'39 | 1♊14 | 21♒38 | 15♒58 | 7♉36 | 25°R 5 | 21♑48 | 1°R 8 | 29°R22 | 15♉20 | 15♐30 | 14♐27 | 11♊57 | 13♓20 | M 1 |
| T 2 | 9 13 49 | 19°59'05 | 13° 1 | 23°30 | 17°13 | 8°11 | 24♋58 | 21°54 | 1♏ 8 | 29♎21 | 15°21 | 15°R31 | 14°24 | 12° 4 | 13°24 | T 2 |
| W 3 | 9 17 46 | 20°59'28 | 24°50 | 25°23 | 18°28 | 8°46 | 24°52 | 22° 1 | 1° 7 | 29°21 | 15°21 | 15°31 | 14°21 | 12°10 | 13°27 | W 3 |
| T 4 | 9 21 43 | 21°59'50 | 6♋46 | 27°16 | 19°43 | 9°20 | 24°45 | 22° 7 | 1° 7 | 29°21 | 15°21 | 15°28 | 14°18 | 12°17 | 13°31 | T 4 |
| F 5 | 9 25 39 | 23° 0'09 | 18°54 | 29° 9 | 20°58 | 9°55 | 24°39 | 22°14 | 1° 7 | 29°20 | 15°21 | 15°23 | 14°15 | 12°24 | 13°34 | F 5 |
| S 6 | 9 29 36 | 24° 0'27 | 1♌15 | 1♓ 3 | 22°13 | 10°30 | 24°33 | 22°20 | 1° 6 | 29°20 | 15°22 | 15°16 | 14°11 | 12°30 | 13°38 | S 6 |
| S 7 | 9 33 32 | 25° 0'43 | 13°53 | 2°57 | 23°28 | 11° 6 | 24°27 | 22°27 | 1° 6 | 29°19 | 15°22 | 15° 6 | 14° 8 | 12°37 | 13°41 | S 7 |
| M 8 | 9 37 29 | 26° 0'57 | 26°46 | 4°50 | 24°43 | 11°41 | 24°21 | 22°33 | 1° 5 | 29°19 | 15°22 | 14°54 | 14° 5 | 12°44 | 13°45 | M 8 |
| T 9 | 9 41 25 | 27° 1'09 | 9♍56 | 6°44 | 25°58 | 12°16 | 24°15 | 22°39 | 1° 5 | 29°18 | 15°23 | 14°42 | 14° 2 | 12°50 | 13°48 | T 9 |
| W10 | 9 45 22 | 28° 1'19 | 23°19 | 8°37 | 27°13 | 12°51 | 24° 9 | 22°46 | 1° 4 | 29°18 | 15°23 | 14°30 | 13°59 | 12°57 | 13°52 | W10 |
| T 11 | 9 49 18 | 29° 1'28 | 6♎54 | 10°29 | 28°28 | 13°26 | 24° 4 | 22°52 | 1° 3 | 29°17 | 15°24 | 14°19 | 13°56 | 13° 4 | 13°56 | T 11 |
| F 12 | 9 53 15 | 0♓ 1'34 | 20°39 | 12°20 | 29°43 | 14° 2 | 23°59 | 22°58 | 1° 2 | 29°17 | 15°24 | 14°11 | 13°52 | 13°10 | 13°59 | F 12 |
| S 13 | 9 57 11 | 1° 1'40 | 4♏30 | 14°10 | 0♓58 | 14°37 | 23°53 | 23° 4 | 1° 2 | 29°16 | 15°25 | 14° 6 | 13°49 | 13°17 | 14° 3 | S 13 |
| S 14 | 10 1 8 | 2° 1'43 | 18°27 | 15°58 | 2°13 | 15°13 | 23°48 | 23°10 | 1° 1 | 29°15 | 15°25 | 14° 4 | 13°46 | 13°23 | 14° 6 | S 14 |
| M15 | 10 5 5 | 3° 1'45 | 2♐29 | 17°43 | 3°27 | 15°48 | 23°44 | 23°17 | 1° 0 | 29°15 | 15°25 | 14°D 4 | 13°43 | 13°30 | 14°10 | M15 |
| T 16 | 10 9 1 | 4° 1'46 | 16°36 | 19°25 | 4°42 | 16°23 | 23°39 | 23°23 | 0°59 | 29°14 | 15°26 | 14°R 4 | 13°40 | 13°37 | 14°14 | T 16 |
| W17 | 10 12 58 | 5° 1'45 | 0♑45 | 21° 4 | 5°57 | 16°59 | 23°34 | 23°29 | 0°58 | 29°13 | 15°27 | 14° 3 | 13°36 | 13°43 | 14°17 | W17 |
| T 18 | 10 16 54 | 6° 1'42 | 14°57 | 22°39 | 7°12 | 17°35 | 23°30 | 23°34 | 0°57 | 29°12 | 15°27 | 14° 0 | 13°33 | 13°50 | 14°21 | T 18 |
| F 19 | 10 20 51 | 7° 1'38 | 29° 8 | 24°10 | 8°27 | 18°10 | 23°26 | 23°40 | 0°56 | 29°12 | 15°28 | 13°55 | 13°30 | 13°57 | 14°25 | F 19 |
| S 20 | 10 24 47 | 8° 1'31 | 13♒16 | 25°35 | 9°42 | 18°46 | 23°22 | 23°46 | 0°55 | 29°11 | 15°28 | 13°46 | 13°27 | 14° 3 | 14°28 | S 20 |
| S 21 | 10 28 44 | 9° 1'23 | 27°15 | 26°56 | 10°56 | 19°22 | 23°18 | 23°52 | 0°53 | 29°10 | 15°29 | 13°35 | 13°24 | 14°10 | 14°32 | S 21 |
| M22 | 10 32 40 | 10° 1'13 | 11♓ 1 | 28°10 | 12°11 | 19°57 | 23°15 | 23°58 | 0°52 | 29° 9 | 15°30 | 13°22 | 13°21 | 14°17 | 14°36 | M22 |
| T 23 | 10 36 37 | 11° 1'01 | 24°30 | 29°18 | 13°26 | 20°33 | 23°11 | 24° 3 | 0°51 | 29° 8 | 15°30 | 13° 9 | 13°17 | 14°23 | 14°40 | T 23 |
| W24 | 10 40 34 | 12° 0'46 | 7♈40 | 0♈18 | 14°41 | 21° 9 | 23° 8 | 24° 9 | 0°50 | 29° 7 | 15°31 | 12°57 | 13°14 | 14°30 | 14°43 | W24 |
| T 25 | 10 44 30 | 13° 0'30 | 20°30 | 1°12 | 15°55 | 21°45 | 23° 5 | 24°14 | 0°48 | 29° 6 | 15°32 | 12°47 | 13°11 | 14°37 | 14°47 | T 25 |
| F 26 | 10 48 27 | 14° 0'11 | 3♉ 0 | 1°58 | 17°10 | 22°21 | 23° 2 | 24°20 | 0°47 | 29° 5 | 15°32 | 12°40 | 13° 8 | 14°43 | 14°51 | F 26 |
| S 27 | 10 52 23 | 14°59'50 | 15°12 | 2°37 | 18°25 | 22°57 | 22°59 | 24°25 | 0°45 | 29° 4 | 15°33 | 12°35 | 13° 5 | 14°50 | 14°54 | S 27 |
| S 28 | 10 56 20 | 15♓59'27 | 27♉12 | 3♈ 7 | 19♓39 | 23♉33 | 22♋57 | 24♑31 | 0♏44 | 29♎ 3 | 15♉34 | 12♐33 | 13♐ 2 | 14♊57 | 14♓58 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15s12 | 21n44 | 1n16 | 16s 4 | 1s49 | 17s21 | 1s17 | 15n 9 | 1n 6 | 21n58 | 0n46 | 21s54 | 0s 8 | 11s26 | 0n31 | 9s33 | 1n52 | 3n22 | 13s43 | 22s45 | 22s38 | 22n33 | 2s35 | 4n20 |
| T 2 | 14 53 | 22 41 | 0 13 | 15 24 | 1 45 | 16 59 | 1 18 | 15 21 | 1 7 | 21 59 | 0 46 | 21 53 | 0 8 | 11 26 | 0 31 | 9 33 | 1 52 | 3 23 | 13 42 | 22 46 | 22 38 | 22 33 | 2 34 | 4 20 |
| W 3 | 14 34 | 22 37 | 0s50 | 14 41 | 1 40 | 16 37 | 1 19 | 15 33 | 1 7 | 22 0 | 0 46 | 21 52 | 0 8 | 11 26 | 0 31 | 9 33 | 1 52 | 3 23 | 13 42 | 22 46 | 22 38 | 22 33 | 2 32 | 4 20 |
| T 4 | 14 14 | 21 32 | 1 51 | 13 57 | 1 34 | 16 14 | 1 20 | 15 44 | 1 7 | 22 2 | 0 46 | 21 51 | 0 8 | 11 26 | 0 31 | 9 33 | 1 52 | 3 23 | 13 42 | 22 45 | 22 37 | 22 33 | 2 31 | 4 20 |
| F 5 | 13 55 | 19 26 | 2 48 | 13 12 | 1 28 | 15 51 | 1 21 | 15 56 | 1 8 | 22 3 | 0 46 | 21 50 | 0 8 | 11 26 | 0 31 | 9 33 | 1 52 | 3 24 | 13 42 | 22 45 | 22 37 | 22 33 | 2 30 | 4 19 |
| S 6 | 13 35 | 16 25 | 3 38 | 12 25 | 1 22 | 15 27 | 1 21 | 16 7 | 1 8 | 22 4 | 0 46 | 21 49 | 0 8 | 11 25 | 0 31 | 9 32 | 1 52 | 3 24 | 13 41 | 22 44 | 22 37 | 22 33 | 2 29 | 4 19 |
| S 7 | 13 15 | 12 37 | 4 19 | 11 37 | 1 14 | 15 3 | 1 22 | 16 19 | 1 9 | 22 5 | 0 46 | 21 48 | 0 8 | 11 25 | 0 31 | 9 32 | 1 52 | 3 24 | 13 41 | 22 43 | 22 36 | 22 33 | 2 27 | 4 19 |
| M 8 | 12 54 | 8 9 | 4 47 | 10 48 | 1 6 | 14 39 | 1 23 | 16 30 | 1 9 | 22 6 | 0 46 | 21 47 | 0 8 | 11 25 | 0 31 | 9 32 | 1 52 | 3 25 | 13 41 | 22 41 | 22 36 | 22 33 | 2 26 | 4 19 |
| T 9 | 12 34 | 3 14 | 5 1 | 9 58 | 0 58 | 14 14 | 1 23 | 16 42 | 1 10 | 22 7 | 0 46 | 21 46 | 0 8 | 11 25 | 0 31 | 9 32 | 1 52 | 3 25 | 13 40 | 22 40 | 22 35 | 22 33 | 2 25 | 4 19 |
| W10 | 12 13 | 1s54 | 4 58 | 9 7 | 0 48 | 13 48 | 1 24 | 16 53 | 1 10 | 22 8 | 0 46 | 21 45 | 0 8 | 11 25 | 0 31 | 9 31 | 1 52 | 3 26 | 13 40 | 22 39 | 22 35 | 22 33 | 2 24 | 4 19 |
| T 11 | 11 52 | 7 1 | 4 39 | 8 16 | 0 38 | 13 23 | 1 24 | 17 4 | 1 10 | 22 9 | 0 46 | 21 44 | 0 8 | 11 24 | 0 31 | 9 31 | 1 52 | 3 26 | 13 40 | 22 37 | 22 35 | 22 33 | 2 22 | 4 19 |
| F 12 | 11 31 | 11 51 | 4 3 | 7 24 | 0 28 | 12 57 | 1 25 | 17 15 | 1 11 | 22 10 | 0 46 | 21 43 | 0 8 | 11 24 | 0 31 | 9 31 | 1 53 | 3 26 | 13 39 | 22 37 | 22 34 | 22 33 | 2 21 | 4 19 |
| S 13 | 11 10 | 16 7 | 3 13 | 6 31 | 0 17 | 12 30 | 1 25 | 17 26 | 1 11 | 22 11 | 0 46 | 21 42 | 0 9 | 11 24 | 0 31 | 9 31 | 1 53 | 3 27 | 13 39 | 22 36 | 22 34 | 22 33 | 2 20 | 4 18 |
| S 14 | 10 48 | 19 30 | 2 11 | 5 39 | 0 5 | 12 4 | 1 25 | 17 37 | 1 11 | 22 12 | 0 46 | 21 41 | 0 9 | 11 23 | 0 31 | 9 30 | 1 53 | 3 27 | 13 39 | 22 36 | 22 34 | 22 33 | 2 19 | 4 18 |
| M15 | 10 26 | 21 45 | 1 1 | 4 46 | 0n 7 | 11 37 | 1 26 | 17 47 | 1 12 | 22 13 | 0 46 | 21 41 | 0 9 | 11 23 | 0 31 | 9 30 | 1 53 | 3 28 | 13 38 | 22 36 | 22 33 | 22 33 | 2 17 | 4 18 |
| T 16 | 10 5 | 22 39 | 0n13 | 3 55 | 0 19 | 11 10 | 1 26 | 17 58 | 1 12 | 22 14 | 0 46 | 21 40 | 0 9 | 11 23 | 0 31 | 9 30 | 1 53 | 3 28 | 13 38 | 22 36 | 22 33 | 22 33 | 2 16 | 4 18 |
| W17 | 9 43 | 22 6 | 1 27 | 3 4 | 0 32 | 10 42 | 1 26 | 18 9 | 1 12 | 22 14 | 0 46 | 21 39 | 0 9 | 11 22 | 0 31 | 9 29 | 1 53 | 3 29 | 13 38 | 22 36 | 22 32 | 22 33 | 2 15 | 4 18 |
| T 18 | 9 21 | 20 8 | 2 36 | 2 14 | 0 46 | 10 14 | 1 26 | 18 19 | 1 13 | 22 15 | 0 46 | 21 38 | 0 9 | 11 22 | 0 31 | 9 29 | 1 53 | 3 29 | 13 38 | 22 35 | 22 32 | 22 33 | 2 13 | 4 18 |
| F 19 | 8 58 | 16 56 | 3 34 | 1 25 | 0 59 | 9 46 | 1 26 | 18 29 | 1 13 | 22 16 | 0 46 | 21 37 | 0 9 | 11 22 | 0 31 | 9 29 | 1 53 | 3 30 | 13 37 | 22 35 | 22 32 | 22 32 | 2 12 | 4 18 |
| S 20 | 8 36 | 12 46 | 4 19 | 0 39 | 1 13 | 9 18 | 1 26 | 18 40 | 1 13 | 22 17 | 0 46 | 21 36 | 0 9 | 11 21 | 0 31 | 9 28 | 1 53 | 3 30 | 13 37 | 22 34 | 22 31 | 22 32 | 2 11 | 4 18 |
| S 21 | 8 13 | 7 58 | 4 48 | 0n 6 | 1 26 | 8 49 | 1 26 | 18 50 | 1 14 | 22 17 | 0 46 | 21 35 | 0 9 | 11 21 | 0 31 | 9 28 | 1 53 | 3 30 | 13 37 | 22 32 | 22 31 | 22 32 | 2 9 | 4 18 |
| M22 | 7 51 | 2 50 | 5 0 | 0 48 | 1 40 | 8 20 | 1 25 | 19 0 | 1 14 | 22 18 | 0 46 | 21 34 | 0 9 | 11 20 | 0 31 | 9 28 | 1 53 | 3 31 | 13 36 | 22 31 | 22 30 | 22 32 | 2 8 | 4 18 |
| T 23 | 7 28 | 2n19 | 4 55 | 1 27 | 1 53 | 7 51 | 1 25 | 19 10 | 1 14 | 22 18 | 0 46 | 21 33 | 0 9 | 11 20 | 0 32 | 9 27 | 1 53 | 3 31 | 13 36 | 22 29 | 22 30 | 22 32 | 2 6 | 4 18 |
| W24 | 7 5 | 7 14 | 4 33 | 2 3 | 2 6 | 7 22 | 1 25 | 19 20 | 1 15 | 22 19 | 0 46 | 21 32 | 0 9 | 11 19 | 0 32 | 9 27 | 1 53 | 3 32 | 13 36 | 22 27 | 22 30 | 22 32 | 2 5 | 4 18 |
| T 25 | 6 42 | 11 43 | 3 59 | 2 36 | 2 19 | 6 52 | 1 24 | 19 29 | 1 15 | 22 19 | 0 46 | 21 31 | 0 10 | 11 19 | 0 32 | 9 26 | 1 53 | 3 32 | 13 36 | 22 26 | 22 29 | 22 32 | 2 4 | 4 17 |
| F 26 | 6 19 | 15 35 | 3 13 | 3 6 | 2 31 | 6 23 | 1 24 | 19 39 | 1 15 | 22 20 | 0 46 | 21 31 | 0 10 | 11 18 | 0 32 | 9 26 | 1 53 | 3 33 | 13 35 | 22 25 | 22 29 | 22 32 | 2 2 | 4 17 |
| S 27 | 5 56 | 18 41 | 2 19 | 3 31 | 2 42 | 5 53 | 1 23 | 19 48 | 1 15 | 22 20 | 0 46 | 21 30 | 0 10 | 11 18 | 0 32 | 9 26 | 1 53 | 3 33 | 13 35 | 22 25 | 22 28 | 22 32 | 2 1 | 4 17 |
| S 28 | 5s33 | 20n56 | 1n20 | 3n53 | 2n53 | 5s23 | 1s23 | 19n58 | 1n16 | 22n21 | 0n46 | 21s29 | 0s10 | 11s17 | 0n32 | 9s25 | 1n53 | 3n34 | 13s35 | 22s24 | 22s28 | 22n31 | 2s 0 | 4n17 |

Julian Day Number = 2136378.5, Delta T = 15m52s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'35, Lahiri = 11°49'35 Julian Calendar 1 Feb. 1137 == Greg. Calendar 8 Feb. 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## MARCH 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 0 16 | 16♓59'01 | 9♊ 3 | 3♈29 | 20♓54 | 24♉ 9 | 22°R54 | 24♑36 | 0°R42 | 29°R 2 | 15♉35 | 12°R32 | 12♐58 | 15♊ 3 | 15♓ 2 | M 1 |
| T 2 | 11 4 13 | 17°58'34 | 20°50 | 3°43 | 22° 9 | 24°45 | 22♋52 | 24°41 | 0♏41 | 29♎ 1 | 15°35 | 12♐32 | 12°55 | 15°10 | 15° 6 | T 2 |
| W 3 | 11 8 9 | 18°58'03 | 2♋40 | 3°R50 | 23°23 | 25°21 | 22°50 | 24°46 | 0°39 | 29° 0 | 15°36 | 12°32 | 12°52 | 15°16 | 15° 9 | W 3 |
| T 4 | 11 12 6 | 19°57'31 | 14°39 | 3°48 | 24°38 | 25°57 | 22°49 | 24°51 | 0°37 | 28°58 | 15°37 | 12°30 | 12°49 | 15°23 | 15°13 | T 4 |
| F 5 | 11 16 3 | 20°56'56 | 26°50 | 3°38 | 25°52 | 26°33 | 22°47 | 24°56 | 0°36 | 28°57 | 15°38 | 12°25 | 12°46 | 15°30 | 15°17 | F 5 |
| S 6 | 11 19 59 | 21°56'19 | 9♌17 | 3°21 | 27° 7 | 27° 9 | 22°46 | 25° 1 | 0°34 | 28°56 | 15°39 | 12°18 | 12°42 | 15°36 | 15°20 | S 6 |
| S 7 | 11 23 56 | 22°55'40 | 22° 5 | 2°58 | 28°21 | 27°45 | 22°44 | 25° 6 | 0°32 | 28°55 | 15°39 | 12° 8 | 12°39 | 15°43 | 15°24 | S 7 |
| M 8 | 11 27 52 | 23°54'58 | 5♍14 | 2°28 | 29°36 | 28°21 | 22°43 | 25°11 | 0°30 | 28°54 | 15°40 | 11°57 | 12°36 | 15°50 | 15°28 | M 8 |
| T 9 | 11 31 49 | 24°54'14 | 18°43 | 1°53 | 0♈50 | 28°57 | 22°43 | 25°16 | 0°28 | 28°52 | 15°41 | 11°45 | 12°33 | 15°56 | 15°31 | T 9 |
| W10 | 11 35 45 | 25°53'28 | 2♎30 | 1°13 | 2° 5 | 29°34 | 22°42 | 25°20 | 0°26 | 28°51 | 15°42 | 11°33 | 12°30 | 16° 3 | 15°35 | W10 |
| T 11 | 11 39 42 | 26°52'40 | 16°32 | 0°29 | 3°19 | 0♊10 | 22°42 | 25°25 | 0°24 | 28°50 | 15°43 | 11°22 | 12°27 | 16°10 | 15°39 | T 11 |
| F 12 | 11 43 38 | 27°51'50 | 0♏42 | 29♓42 | 4°34 | 0°46 | 22°41 | 25°29 | 0°22 | 28°48 | 15°44 | 11°15 | 12°23 | 16°16 | 15°42 | F 12 |
| S 13 | 11 47 35 | 28°50'58 | 14°57 | 28°53 | 5°48 | 1°22 | 22°D41 | 25°34 | 0°20 | 28°47 | 15°45 | 11°10 | 12°20 | 16°23 | 15°46 | S 13 |
| S 14 | 11 51 32 | 29°50'04 | 29°13 | 28° 4 | 7° 2 | 1°59 | 22°42 | 25°38 | 0°18 | 28°46 | 15°46 | 11° 7 | 12°17 | 16°30 | 15°50 | S 14 |
| M15 | 11 55 28 | 0♈49'09 | 13♐26 | 27°15 | 8°17 | 2°35 | 22°42 | 25°43 | 0°16 | 28°44 | 15°47 | 11°D 7 | 12°14 | 16°36 | 15°53 | M15 |
| T 16 | 11 59 25 | 1°48'11 | 27°35 | 26°26 | 9°31 | 3°11 | 22°42 | 25°47 | 0°14 | 28°43 | 15°48 | 11°R 7 | 12°11 | 16°43 | 15°57 | T 16 |
| W17 | 12 3 21 | 2°47'12 | 11♑39 | 25°40 | 10°45 | 3°48 | 22°43 | 25°51 | 0°12 | 28°41 | 15°49 | 11° 7 | 12° 7 | 16°49 | 16° 0 | W17 |
| T 18 | 12 7 18 | 3°46'12 | 25°36 | 24°57 | 12° 0 | 4°24 | 22°44 | 25°55 | 0°10 | 28°40 | 15°50 | 11° 5 | 12° 4 | 16°56 | 16° 4 | T 18 |
| F 19 | 12 11 14 | 4°45'09 | 9♒27 | 24°16 | 13°14 | 5° 0 | 22°45 | 25°59 | 0° 8 | 28°39 | 15°51 | 11° 1 | 12° 1 | 17° 3 | 16° 8 | F 19 |
| S 20 | 12 15 11 | 5°44'05 | 23° 9 | 23°40 | 14°28 | 5°37 | 22°46 | 26° 3 | 0° 6 | 28°37 | 15°52 | 10°54 | 11°58 | 17° 9 | 16°11 | S 20 |
| S 21 | 12 19 7 | 6°42'58 | 6♓42 | 23° 8 | 15°42 | 6°13 | 22°48 | 26° 7 | 0° 3 | 28°36 | 15°53 | 10°45 | 11°55 | 17°16 | 16°15 | S 21 |
| M22 | 12 23 4 | 7°41'50 | 20° 3 | 22°41 | 16°57 | 6°50 | 22°50 | 26°11 | 0° 1 | 28°34 | 15°54 | 10°34 | 11°52 | 17°23 | 16°18 | M22 |
| T 23 | 12 27 0 | 8°40'40 | 3♈10 | 22°19 | 18°11 | 7°26 | 22°51 | 26°14 | 29♎59 | 28°33 | 15°55 | 10°23 | 11°48 | 17°29 | 16°22 | T 23 |
| W24 | 12 30 57 | 9°39'28 | 16° 3 | 22° 2 | 19°25 | 8° 2 | 22°53 | 26°18 | 29°57 | 28°31 | 15°57 | 10°13 | 11°45 | 17°36 | 16°25 | W24 |
| T 25 | 12 34 54 | 10°38'13 | 28°39 | 21°51 | 20°39 | 8°39 | 22°56 | 26°21 | 29°54 | 28°30 | 15°58 | 10° 4 | 11°42 | 17°43 | 16°29 | T 25 |
| F 26 | 12 38 50 | 11°36'57 | 11♉ 1 | 21°45 | 21°53 | 9°15 | 22°58 | 26°25 | 29°52 | 28°28 | 15°59 | 9°58 | 11°39 | 17°49 | 16°32 | F 26 |
| S 27 | 12 42 47 | 12°35'39 | 23° 8 | 21°D44 | 23° 7 | 9°52 | 23° 1 | 26°28 | 29°49 | 28°27 | 16° 0 | 9°54 | 11°36 | 17°56 | 16°35 | S 27 |
| S 28 | 12 46 43 | 13°34'18 | 5♊ 5 | 21°48 | 24°21 | 10°29 | 23° 3 | 26°31 | 29°47 | 28°25 | 16° 1 | 9°D52 | 11°33 | 18° 3 | 16°39 | S 28 |
| M29 | 12 50 40 | 14°32'55 | 16°56 | 21°57 | 25°35 | 11° 5 | 23° 6 | 26°34 | 29°45 | 28°23 | 16° 2 | 9°52 | 11°29 | 18° 9 | 16°42 | M29 |
| T 30 | 12 54 36 | 15°31'30 | 28°43 | 22°12 | 26°49 | 11°42 | 23° 9 | 26°38 | 29°42 | 28°22 | 16° 4 | 9°53 | 11°26 | 18°16 | 16°45 | T 30 |
| W31 | 12 58 33 | 16♈30'03 | 10♋33 | 22♓30 | 28♈ 3 | 12♊18 | 23♋13 | 26♑41 | 29♎40 | 28♎20 | 16♉ 5 | 9♐54 | 11♐23 | 18♊22 | 16♓49 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s10 | 22n13 | 0n19 | 4n11 | 3n 2 | 4s53 | 1s22 | 20n 7 | 1n16 | 22n21 | 0n46 | 21s28 | 0s10 | 11s17 | 0n32 | 9s25 | 1n53 | 3n34 | 13s34 | 22s24 | 22s28 | 22n31 | 1s58 | 4n17 |
| T 2 | 4 46 | 22 30 | 0s44 | 4 24 | 3 10 | 4 22 | 1 21 | 20 16 | 1 16 | 22 21 | 0 46 | 21 27 | 0 10 | 11 16 | 0 32 | 9 24 | 1 53 | 3 35 | 13 34 | 22 24 | 22 27 | 22 31 | 1 57 | 4 17 |
| W 3 | 4 23 | 21 47 | 1 45 | 4 33 | 3 18 | 3 52 | 1 20 | 20 25 | 1 16 | 22 22 | 0 46 | 21 26 | 0 10 | 11 16 | 0 32 | 9 24 | 1 53 | 3 35 | 13 34 | 22 24 | 22 27 | 22 31 | 1 55 | 4 17 |
| T 4 | 4 0 | 20 4 | 2 41 | 4 37 | 3 23 | 3 22 | 1 20 | 20 34 | 1 16 | 22 22 | 0 46 | 21 25 | 0 10 | 11 15 | 0 32 | 9 23 | 1 54 | 3 36 | 13 34 | 22 24 | 22 26 | 22 31 | 1 54 | 4 17 |
| F 5 | 3 36 | 17 25 | 3 32 | 4 37 | 3 28 | 2 51 | 1 19 | 20 43 | 1 17 | 22 22 | 0 46 | 21 25 | 0 10 | 11 14 | 0 32 | 9 23 | 1 54 | 3 36 | 13 33 | 22 23 | 22 26 | 22 31 | 1 53 | 4 17 |
| S 6 | 3 13 | 13 56 | 4 13 | 4 33 | 3 30 | 2 20 | 1 18 | 20 51 | 1 17 | 22 23 | 0 46 | 21 24 | 0 10 | 11 14 | 0 32 | 9 23 | 1 54 | 3 36 | 13 33 | 22 22 | 22 26 | 22 31 | 1 51 | 4 17 |
| S 7 | 2 49 | 9 45 | 4 43 | 4 25 | 3 31 | 1 50 | 1 17 | 21 0 | 1 17 | 22 23 | 0 46 | 21 23 | 0 10 | 11 13 | 0 32 | 9 22 | 1 54 | 3 37 | 13 33 | 22 21 | 22 25 | 22 30 | 1 50 | 4 17 |
| M 8 | 2 26 | 5 0 | 4 59 | 4 12 | 3 31 | 1 19 | 1 16 | 21 8 | 1 17 | 22 23 | 0 46 | 21 22 | 0 11 | 11 12 | 0 32 | 9 22 | 1 54 | 3 37 | 13 33 | 22 20 | 22 25 | 22 30 | 1 48 | 4 17 |
| T 9 | 2 2 | 0s 6 | 4 59 | 3 56 | 3 28 | 0 48 | 1 15 | 21 17 | 1 17 | 22 23 | 0 46 | 21 21 | 0 11 | 11 12 | 0 32 | 9 21 | 1 54 | 3 38 | 13 32 | 22 18 | 22 24 | 22 30 | 1 47 | 4 17 |
| W10 | 1 38 | 5 18 | 4 42 | 3 36 | 3 24 | 0 17 | 1 13 | 21 25 | 1 18 | 22 23 | 0 46 | 21 21 | 0 11 | 11 11 | 0 32 | 9 21 | 1 54 | 3 38 | 13 32 | 22 16 | 22 24 | 22 30 | 1 46 | 4 17 |
| T 11 | 1 15 | 10 19 | 4 7 | 3 13 | 3 18 | 0n13 | 1 12 | 21 33 | 1 18 | 22 23 | 0 46 | 21 20 | 0 11 | 11 10 | 0 32 | 9 20 | 1 54 | 3 39 | 13 32 | 22 15 | 22 24 | 22 30 | 1 44 | 4 17 |
| F 12 | 0 51 | 14 51 | 3 17 | 2 47 | 3 10 | 0 44 | 1 11 | 21 41 | 1 18 | 22 23 | 0 46 | 21 19 | 0 11 | 11 10 | 0 32 | 9 20 | 1 54 | 3 39 | 13 32 | 22 14 | 22 23 | 22 29 | 1 43 | 4 17 |
| S 13 | 0 28 | 18 32 | 2 14 | 2 19 | 3 1 | 1 15 | 1 9 | 21 48 | 1 18 | 22 23 | 0 46 | 21 18 | 0 11 | 11 9 | 0 32 | 9 19 | 1 54 | 3 40 | 13 31 | 22 13 | 22 23 | 22 29 | 1 41 | 4 17 |
| S 14 | 0 4 | 21 6 | 1 3 | 1 50 | 2 50 | 1 46 | 1 8 | 21 56 | 1 18 | 22 23 | 0 46 | 21 18 | 0 11 | 11 8 | 0 32 | 9 19 | 1 54 | 3 40 | 13 31 | 22 13 | 22 22 | 22 29 | 1 40 | 4 17 |
| M15 | 0n20 | 22 19 | 0n12 | 1 19 | 2 38 | 2 17 | 1 6 | 22 3 | 1 18 | 22 23 | 0 46 | 21 17 | 0 11 | 11 8 | 0 32 | 9 18 | 1 54 | 3 41 | 13 31 | 22 13 | 22 22 | 22 29 | 1 39 | 4 17 |
| T 16 | 0 43 | 22 5 | 1 26 | 0 48 | 2 25 | 2 48 | 1 5 | 22 10 | 1 18 | 22 23 | 0 46 | 21 16 | 0 11 | 11 7 | 0 32 | 9 18 | 1 54 | 3 41 | 13 31 | 22 13 | 22 21 | 22 29 | 1 37 | 4 17 |
| W17 | 1 7 | 20 28 | 2 35 | 0 16 | 2 11 | 3 18 | 1 3 | 22 18 | 1 19 | 22 23 | 0 46 | 21 16 | 0 11 | 11 6 | 0 32 | 9 17 | 1 54 | 3 42 | 13 30 | 22 13 | 22 21 | 22 28 | 1 36 | 4 17 |
| T 18 | 1 30 | 17 37 | 3 34 | 0s15 | 1 56 | 3 49 | 1 2 | 22 25 | 1 19 | 22 22 | 0 46 | 21 15 | 0 11 | 11 5 | 0 32 | 9 16 | 1 54 | 3 42 | 13 30 | 22 13 | 22 21 | 22 28 | 1 34 | 4 17 |
| F 19 | 1 54 | 13 48 | 4 19 | 0 45 | 1 40 | 4 20 | 1 0 | 22 31 | 1 19 | 22 22 | 0 46 | 21 14 | 0 12 | 11 4 | 0 32 | 9 16 | 1 54 | 3 43 | 13 30 | 22 12 | 22 20 | 22 28 | 1 33 | 4 17 |
| S 20 | 2 17 | 9 18 | 4 49 | 1 14 | 1 24 | 4 50 | 0 58 | 22 38 | 1 19 | 22 22 | 0 46 | 21 14 | 0 12 | 11 4 | 0 32 | 9 15 | 1 54 | 3 43 | 13 30 | 22 11 | 22 20 | 22 28 | 1 32 | 4 17 |
| S 21 | 2 41 | 4 24 | 5 3 | 1 42 | 1 8 | 5 20 | 0 57 | 22 45 | 1 19 | 22 22 | 0 46 | 21 13 | 0 12 | 11 3 | 0 32 | 9 15 | 1 54 | 3 44 | 13 30 | 22 10 | 22 19 | 22 28 | 1 30 | 4 17 |
| M22 | 3 4 | 0n38 | 4 59 | 2 7 | 0 52 | 5 51 | 0 55 | 22 51 | 1 19 | 22 21 | 0 46 | 21 12 | 0 12 | 11 2 | 0 32 | 9 14 | 1 54 | 3 44 | 13 29 | 22 8 | 22 19 | 22 27 | 1 29 | 4 17 |
| T 23 | 3 27 | 5 33 | 4 40 | 2 31 | 0 36 | 6 21 | 0 53 | 22 57 | 1 19 | 22 21 | 0 45 | 21 12 | 0 12 | 11 1 | 0 32 | 9 14 | 1 54 | 3 45 | 13 29 | 22 7 | 22 18 | 22 27 | 1 27 | 4 17 |
| W24 | 3 51 | 10 8 | 4 7 | 2 52 | 0 20 | 6 51 | 0 51 | 23 3 | 1 19 | 22 21 | 0 45 | 21 11 | 0 12 | 11 0 | 0 32 | 9 13 | 1 54 | 3 45 | 13 29 | 22 5 | 22 18 | 22 27 | 1 26 | 4 17 |
| T 25 | 4 14 | 14 11 | 3 22 | 3 11 | 0 5 | 7 21 | 0 49 | 23 9 | 1 20 | 22 20 | 0 45 | 21 11 | 0 12 | 11 0 | 0 32 | 9 13 | 1 54 | 3 46 | 13 29 | 22 4 | 22 18 | 22 26 | 1 25 | 4 17 |
| F 26 | 4 37 | 17 33 | 2 28 | 3 27 | 0s10 | 7 50 | 0 47 | 23 15 | 1 20 | 22 20 | 0 45 | 21 10 | 0 12 | 10 59 | 0 32 | 9 12 | 1 54 | 3 46 | 13 29 | 22 3 | 22 17 | 22 26 | 1 23 | 4 17 |
| S 27 | 5 0 | 20 4 | 1 29 | 3 41 | 0 25 | 8 20 | 0 45 | 23 21 | 1 20 | 22 19 | 0 45 | 21 10 | 0 12 | 10 58 | 0 32 | 9 11 | 1 54 | 3 47 | 13 28 | 22 2 | 22 17 | 22 26 | 1 22 | 4 17 |
| S 28 | 5 23 | 21 40 | 0 26 | 3 52 | 0 39 | 8 49 | 0 43 | 23 26 | 1 20 | 22 19 | 0 45 | 21 9 | 0 12 | 10 57 | 0 32 | 9 11 | 1 54 | 3 47 | 13 28 | 22 2 | 22 16 | 22 26 | 1 21 | 4 17 |
| M29 | 5 46 | 22 17 | 0s38 | 4 1 | 0 53 | 9 18 | 0 41 | 23 32 | 1 20 | 22 18 | 0 45 | 21 9 | 0 13 | 10 56 | 0 32 | 9 10 | 1 54 | 3 48 | 13 28 | 22 2 | 22 16 | 22 25 | 1 19 | 4 17 |
| T 30 | 6 8 | 21 53 | 1 40 | 4 7 | 1 5 | 9 47 | 0 39 | 23 37 | 1 20 | 22 18 | 0 45 | 21 8 | 0 13 | 10 55 | 0 32 | 9 10 | 1 54 | 3 48 | 13 28 | 22 2 | 22 15 | 22 25 | 1 18 | 4 18 |
| W31 | 6n31 | 20n31 | 2s38 | 4s10 | 1s17 | 10n16 | 0s37 | 23n42 | 1n20 | 22n17 | 0n45 | 21s 8 | 0s13 | 10s55 | 0n32 | 9s 9 | 1n54 | 3n49 | 13s28 | 22s 2 | 22s15 | 22n25 | 1s17 | 4n18 |

Julian Day Number = 2136406.5, Delta T = 15m52s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'39, Lahiri = 11°49'39 Julian Calendar 1 March 1137 == Greg. Calendar 8 March 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## APRIL 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 2 29 | 17♈28'34 | 22♋31 | 22♓54 | 29♈17 | 12♊55 | 23♋16 | 26♏43 | 29°R37 | 28°R19 | 16♉ 6 | 9°R54 | 11♐20 | 18♊29 | 16♓52 | T 1 |
| F 2 | 13 6 26 | 18°27'02 | 4♌43 | 23°22 | 0♉31 | 13°31 | 23°20 | 26°46 | 29♎35 | 28♎17 | 16° 7 | 9♐53 | 11°17 | 18°36 | 16°55 | F 2 |
| S 3 | 13 10 23 | 19°25'29 | 17°12 | 23°54 | 1°45 | 14° 8 | 23°24 | 26°49 | 29°32 | 28°15 | 16° 8 | 9°49 | 11°13 | 18°42 | 16°59 | S 3 |
| S 4 | 13 14 19 | 20°23'53 | 0♍ 3 | 24°30 | 2°59 | 14°45 | 23°28 | 26°52 | 29°30 | 28°14 | 16°10 | 9°44 | 11°10 | 18°49 | 17° 2 | S 4 |
| M 5 | 13 18 16 | 21°22'15 | 13°18 | 25°10 | 4°13 | 15°21 | 23°32 | 26°54 | 29°27 | 28°12 | 16°11 | 9°37 | 11° 7 | 18°56 | 17° 5 | M 5 |
| T 6 | 13 22 12 | 22°20'34 | 26°58 | 25°54 | 5°27 | 15°58 | 23°36 | 26°57 | 29°25 | 28°11 | 16°12 | 9°29 | 11° 4 | 19° 2 | 17° 8 | T 6 |
| W 7 | 13 26 9 | 23°18'52 | 11♎ 0 | 26°41 | 6°41 | 16°35 | 23°41 | 26°59 | 29°22 | 28° 9 | 16°13 | 9°22 | 11° 1 | 19° 9 | 17°11 | W 7 |
| T 8 | 13 30 5 | 24°17'08 | 25°22 | 27°32 | 7°55 | 17°11 | 23°45 | 27° 1 | 29°20 | 28° 7 | 16°15 | 9°15 | 10°58 | 19°16 | 17°15 | T 8 |
| F 9 | 13 34 2 | 25°15'22 | 9♏57 | 28°26 | 9° 8 | 17°48 | 23°50 | 27° 3 | 29°17 | 28° 6 | 16°16 | 9°10 | 10°54 | 19°22 | 17°18 | F 9 |
| S 10 | 13 37 58 | 26°13'35 | 24°38 | 29°23 | 10°22 | 18°25 | 23°55 | 27° 5 | 29°15 | 28° 4 | 16°17 | 9° 8 | 10°51 | 19°29 | 17°21 | S 10 |
| S 11 | 13 41 55 | 27°11'46 | 9♐18 | 0♈23 | 11°36 | 19° 1 | 24° 0 | 27° 7 | 29°12 | 28° 2 | 16°18 | 9°D 7 | 10°48 | 19°36 | 17°24 | S 11 |
| M12 | 13 45 52 | 28° 9'55 | 23°52 | 1°26 | 12°49 | 19°38 | 24° 5 | 27° 9 | 29°10 | 28° 1 | 16°20 | 9° 7 | 10°45 | 19°42 | 17°27 | M12 |
| T 13 | 13 49 48 | 29° 8'03 | 8♏16 | 2°31 | 14° 3 | 20°15 | 24°11 | 27°11 | 29° 7 | 27°59 | 16°21 | 9° 9 | 10°42 | 19°49 | 17°30 | T 13 |
| W14 | 13 53 45 | 0♉ 6'09 | 22°26 | 3°39 | 15°17 | 20°51 | 24°16 | 27°13 | 29° 5 | 27°58 | 16°22 | 9°10 | 10°38 | 19°56 | 17°33 | W14 |
| T 15 | 13 57 41 | 1° 4'14 | 6♒22 | 4°50 | 16°30 | 21°28 | 24°22 | 27°14 | 29° 2 | 27°56 | 16°24 | 9°R10 | 10°35 | 20° 2 | 17°36 | T 15 |
| F 16 | 14 1 38 | 2° 2'18 | 20° 3 | 6° 4 | 17°44 | 22° 5 | 24°28 | 27°16 | 29° 0 | 27°54 | 16°25 | 9° 9 | 10°32 | 20° 9 | 17°38 | F 16 |
| S 17 | 14 5 34 | 3° 0'20 | 3♓30 | 7°19 | 18°58 | 22°42 | 24°34 | 27°17 | 28°57 | 27°53 | 16°26 | 9° 6 | 10°29 | 20°15 | 17°41 | S 17 |
| S 18 | 14 9 31 | 3°58'21 | 16°42 | 8°38 | 20°11 | 23°18 | 24°40 | 27°19 | 28°55 | 27°51 | 16°28 | 9° 1 | 10°26 | 20°22 | 17°44 | S 18 |
| M19 | 14 13 27 | 4°56'20 | 29°41 | 9°58 | 21°25 | 23°55 | 24°46 | 27°20 | 28°52 | 27°49 | 16°29 | 8°56 | 10°23 | 20°29 | 17°47 | M19 |
| T 20 | 14 17 24 | 5°54'18 | 12♈26 | 11°21 | 22°38 | 24°32 | 24°53 | 27°21 | 28°50 | 27°48 | 16°30 | 8°50 | 10°19 | 20°35 | 17°50 | T 20 |
| W21 | 14 21 21 | 6°52'14 | 24°58 | 12°46 | 23°52 | 25° 9 | 24°59 | 27°22 | 28°47 | 27°46 | 16°32 | 8°45 | 10°16 | 20°42 | 17°52 | W21 |
| T 22 | 14 25 17 | 7°50'09 | 7♉19 | 14°13 | 25° 5 | 25°46 | 25° 6 | 27°23 | 28°45 | 27°45 | 16°33 | 8°40 | 10°13 | 20°49 | 17°55 | T 22 |
| F 23 | 14 29 14 | 8°48'02 | 19°28 | 15°43 | 26°19 | 26°22 | 25°13 | 27°24 | 28°42 | 27°43 | 16°34 | 8°37 | 10°10 | 20°55 | 17°58 | F 23 |
| S 24 | 14 33 10 | 9°45'54 | 1♊28 | 17°14 | 27°32 | 26°59 | 25°20 | 27°24 | 28°40 | 27°41 | 16°36 | 8°36 | 10° 7 | 21° 2 | 18° 0 | S 24 |
| S 25 | 14 37 7 | 10°43'44 | 13°20 | 18°48 | 28°46 | 27°36 | 25°27 | 27°25 | 28°37 | 27°40 | 16°37 | 8°D36 | 10° 4 | 21° 9 | 18° 3 | S 25 |
| M26 | 14 41 3 | 11°41'33 | 25° 8 | 20°24 | 29°59 | 28°13 | 25°34 | 27°25 | 28°35 | 27°38 | 16°38 | 8°37 | 10° 0 | 21°15 | 18° 5 | M26 |
| T 27 | 14 45 0 | 12°39'20 | 6♋56 | 22° 2 | 1♊12 | 28°50 | 25°42 | 27°26 | 28°32 | 27°37 | 16°40 | 8°38 | 9°57 | 21°22 | 18° 8 | T 27 |
| W28 | 14 48 56 | 13°37'05 | 18°46 | 23°42 | 2°26 | 29°27 | 25°49 | 27°26 | 28°30 | 27°35 | 16°41 | 8°40 | 9°54 | 21°29 | 18°10 | W28 |
| T 29 | 14 52 53 | 14°34'49 | 0♌44 | 25°24 | 3°39 | 0♋ 4 | 25°57 | 27°26 | 28°27 | 27°34 | 16°42 | 8°41 | 9°51 | 21°35 | 18°13 | T 29 |
| F 30 | 14 56 50 | 15♉32'31 | 12♌54 | 27♈ 8 | 4♊52 | 0♋41 | 26♋ 5 | 27♏27 | 28♎25 | 27♎32 | 16♉44 | 8°R42 | 9♐48 | 21♊42 | 18♓15 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n53 | 18n13 | 3s29 | 4s11 | 1s29 | 10n44 | 0s34 | 23n47 | 1n20 | 22n17 | 0n45 | 21s 7 | 0s13 | 10s54 | 0n32 | 9s 9 | 1n54 | 3n49 | 13s28 | 22s 2 | 22s15 | 22n25 | 1s15 | 4n18 |
| F 2 | 7 16 | 15 6 | 4 12 | 4 10 | 1 39 | 11 12 | 0 32 | 23 51 | 1 20 | 22 16 | 0 45 | 21 7 | 0 13 | 10 53 | 0 32 | 9 8 | 1 54 | 3 50 | 13 27 | 22 2 | 22 14 | 22 24 | 1 14 | 4 18 |
| S 3 | 7 38 | 11 14 | 4 45 | 4 6 | 1 49 | 11 40 | 0 30 | 23 56 | 1 20 | 22 15 | 0 45 | 21 6 | 0 13 | 10 52 | 0 32 | 9 7 | 1 54 | 3 50 | 13 27 | 22 2 | 22 14 | 22 24 | 1 13 | 4 18 |
| S 4 | 8 0 | 6 46 | 5 4 | 4 0 | 1 59 | 12 8 | 0 28 | 24 0 | 1 20 | 22 14 | 0 45 | 21 6 | 0 13 | 10 51 | 0 32 | 9 7 | 1 54 | 3 51 | 13 27 | 22 1 | 22 13 | 22 24 | 1 11 | 4 18 |
| M 5 | 8 22 | 1 52 | 5 7 | 3 52 | 2 7 | 12 35 | 0 25 | 24 4 | 1 20 | 22 14 | 0 45 | 21 5 | 0 13 | 10 50 | 0 32 | 9 6 | 1 54 | 3 51 | 13 27 | 22 0 | 22 13 | 22 23 | 1 10 | 4 18 |
| T 6 | 8 44 | 3s17 | 4 54 | 3 42 | 2 15 | 13 2 | 0 23 | 24 8 | 1 20 | 22 13 | 0 45 | 21 5 | 0 13 | 10 49 | 0 32 | 9 6 | 1 54 | 3 52 | 13 27 | 21 59 | 22 12 | 22 23 | 1 9 | 4 18 |
| W 7 | 9 6 | 8 24 | 4 23 | 3 30 | 2 22 | 13 29 | 0 20 | 24 12 | 1 20 | 22 12 | 0 45 | 21 5 | 0 13 | 10 48 | 0 32 | 9 5 | 1 54 | 3 52 | 13 27 | 21 57 | 22 12 | 22 23 | 1 7 | 4 18 |
| T 8 | 9 28 | 13 11 | 3 34 | 3 15 | 2 29 | 13 56 | 0 18 | 24 16 | 1 20 | 22 11 | 0 45 | 21 4 | 0 14 | 10 48 | 0 32 | 9 4 | 1 54 | 3 53 | 13 27 | 21 56 | 22 11 | 22 22 | 1 6 | 4 18 |
| F 9 | 9 49 | 17 15 | 2 31 | 2 59 | 2 34 | 14 22 | 0 16 | 24 19 | 1 20 | 22 10 | 0 45 | 21 4 | 0 14 | 10 47 | 0 32 | 9 4 | 1 54 | 3 53 | 13 26 | 21 56 | 22 11 | 22 22 | 1 5 | 4 18 |
| S 10 | 10 10 | 20 16 | 1 18 | 2 41 | 2 39 | 14 47 | 0 13 | 24 23 | 1 20 | 22 9 | 0 45 | 21 4 | 0 14 | 10 46 | 0 32 | 9 3 | 1 54 | 3 53 | 13 26 | 21 55 | 22 11 | 22 22 | 1 3 | 4 18 |
| S 11 | 10 31 | 21 56 | 0n 1 | 2 21 | 2 44 | 15 13 | 0 11 | 24 26 | 1 20 | 22 9 | 0 45 | 21 3 | 0 14 | 10 45 | 0 32 | 9 3 | 1 54 | 3 54 | 13 26 | 21 55 | 22 10 | 22 21 | 1 2 | 4 18 |
| M12 | 10 52 | 22 5 | 1 19 | 1 59 | 2 47 | 15 38 | 0 8 | 24 29 | 1 20 | 22 8 | 0 45 | 21 3 | 0 14 | 10 44 | 0 32 | 9 2 | 1 54 | 3 54 | 13 26 | 21 55 | 22 10 | 22 21 | 1 1 | 4 19 |
| T 13 | 11 13 | 20 46 | 2 32 | 1 36 | 2 50 | 16 2 | 0 6 | 24 32 | 1 20 | 22 7 | 0 45 | 21 3 | 0 14 | 10 43 | 0 32 | 9 2 | 1 54 | 3 55 | 13 26 | 21 55 | 22 9 | 22 21 | 1 0 | 4 19 |
| W14 | 11 34 | 18 9 | 3 34 | 1 11 | 2 52 | 16 26 | 0 3 | 24 34 | 1 20 | 22 6 | 0 45 | 21 3 | 0 14 | 10 42 | 0 32 | 9 1 | 1 54 | 3 55 | 13 26 | 21 56 | 22 9 | 22 20 | 0 58 | 4 19 |
| T 15 | 11 54 | 14 32 | 4 22 | 0 44 | 2 54 | 16 50 | 0 1 | 24 37 | 1 20 | 22 5 | 0 45 | 21 2 | 0 14 | 10 41 | 0 32 | 9 0 | 1 54 | 3 56 | 13 26 | 21 56 | 22 8 | 22 20 | 0 57 | 4 19 |
| F 16 | 12 14 | 10 12 | 4 54 | 0 16 | 2 55 | 17 14 | 0n 2 | 24 39 | 1 20 | 22 3 | 0 45 | 21 2 | 0 14 | 10 40 | 0 32 | 9 0 | 1 54 | 3 56 | 13 26 | 21 55 | 22 8 | 22 19 | 0 56 | 4 19 |
| S 17 | 12 34 | 5 27 | 5 10 | 0n14 | 2 56 | 17 36 | 0 4 | 24 41 | 1 20 | 22 2 | 0 45 | 21 2 | 0 14 | 10 39 | 0 32 | 8 59 | 1 54 | 3 57 | 13 25 | 21 55 | 22 7 | 22 19 | 0 55 | 4 19 |
| S 18 | 12 54 | 0 32 | 5 9 | 0 45 | 2 55 | 17 59 | 0 7 | 24 43 | 1 20 | 22 1 | 0 44 | 21 2 | 0 15 | 10 39 | 0 32 | 8 59 | 1 54 | 3 57 | 13 25 | 21 54 | 22 7 | 22 19 | 0 54 | 4 19 |
| M19 | 13 14 | 4n19 | 4 51 | 1 18 | 2 55 | 18 21 | 0 9 | 24 45 | 1 20 | 22 0 | 0 44 | 21 2 | 0 15 | 10 38 | 0 32 | 8 58 | 1 54 | 3 58 | 13 25 | 21 53 | 22 6 | 22 18 | 0 52 | 4 19 |
| T 20 | 13 33 | 8 55 | 4 20 | 1 51 | 2 53 | 18 42 | 0 12 | 24 47 | 1 20 | 21 59 | 0 44 | 21 2 | 0 15 | 10 37 | 0 32 | 8 57 | 1 54 | 3 58 | 13 25 | 21 53 | 22 6 | 22 18 | 0 51 | 4 19 |
| W21 | 13 52 | 13 4 | 3 36 | 2 26 | 2 51 | 19 3 | 0 14 | 24 48 | 1 20 | 21 58 | 0 44 | 21 2 | 0 15 | 10 36 | 0 32 | 8 57 | 1 54 | 3 58 | 13 25 | 21 52 | 22 6 | 22 17 | 0 50 | 4 20 |
| T 22 | 14 11 | 16 35 | 2 43 | 3 3 | 2 49 | 19 24 | 0 17 | 24 49 | 1 20 | 21 56 | 0 44 | 21 2 | 0 15 | 10 35 | 0 32 | 8 56 | 1 54 | 3 59 | 13 25 | 21 51 | 22 5 | 22 17 | 0 49 | 4 20 |
| F 23 | 14 30 | 19 20 | 1 43 | 3 40 | 2 45 | 19 44 | 0 19 | 24 50 | 1 20 | 21 55 | 0 44 | 21 1 | 0 15 | 10 34 | 0 32 | 8 56 | 1 54 | 3 59 | 13 25 | 21 51 | 22 5 | 22 17 | 0 48 | 4 20 |
| S 24 | 14 48 | 21 11 | 0 39 | 4 19 | 2 42 | 20 3 | 0 22 | 24 51 | 1 20 | 21 54 | 0 44 | 21 1 | 0 15 | 10 33 | 0 32 | 8 55 | 1 54 | 4 0 | 13 25 | 21 50 | 22 4 | 22 16 | 0 47 | 4 20 |
| S 25 | 15 7 | 22 4 | 0s26 | 4 58 | 2 37 | 20 22 | 0 25 | 24 52 | 1 20 | 21 52 | 0 44 | 21 1 | 0 15 | 10 32 | 0 32 | 8 55 | 1 54 | 4 0 | 13 25 | 21 50 | 22 4 | 22 16 | 0 45 | 4 20 |
| M26 | 15 25 | 21 58 | 1 30 | 5 39 | 2 32 | 20 41 | 0 27 | 24 53 | 1 20 | 21 51 | 0 44 | 21 1 | 0 15 | 10 32 | 0 32 | 8 54 | 1 54 | 4 1 | 13 25 | 21 50 | 22 3 | 22 15 | 0 44 | 4 20 |
| T 27 | 15 42 | 20 53 | 2 30 | 6 21 | 2 27 | 20 59 | 0 30 | 24 53 | 1 20 | 21 50 | 0 44 | 21 1 | 0 16 | 10 31 | 0 32 | 8 54 | 1 54 | 4 1 | 13 25 | 21 51 | 22 3 | 22 15 | 0 43 | 4 20 |
| W28 | 16 0 | 18 52 | 3 24 | 7 3 | 2 21 | 21 16 | 0 32 | 24 53 | 1 20 | 21 48 | 0 44 | 21 2 | 0 16 | 10 30 | 0 32 | 8 53 | 1 54 | 4 1 | 13 25 | 21 51 | 22 2 | 22 15 | 0 42 | 4 21 |
| T 29 | 16 17 | 16 2 | 4 9 | 7 47 | 2 15 | 21 33 | 0 35 | 24 53 | 1 20 | 21 47 | 0 44 | 21 2 | 0 16 | 10 29 | 0 32 | 8 52 | 1 54 | 4 2 | 13 25 | 21 51 | 22 2 | 22 14 | 0 41 | 4 21 |
| F 30 | 16n34 | 12n28 | 4s44 | 8n31 | 2s 8 | 21n49 | 0n37 | 24n53 | 1n20 | 21n45 | 0n44 | 21s 2 | 0s16 | 10s28 | 0n32 | 8s52 | 1n54 | 4n 2 | 13s25 | 21s51 | 22s 1 | 22n14 | 0s40 | 4n21 |

Julian Day Number = 2136437.5, Delta T = 15m52s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'43, Lahiri = 11°49'43 Julian Calendar 1 Apr. 1137 == Greg. Calendar 8 Apr. 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## MAY 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 0 46 | 16♉30'11 | 25♌21 | 28♈54 | 6♊ 6 | 1♋17 | 26♋13 | 27°R27 | 28°R23 | 27°R30 | 16♉45 | 8°R42 | 9♐44 | 21♊49 | 18♓17 | S 1 |
| S 2 | 15 4 43 | 17°27'50 | 8♍10 | 0♉43 | 7°19 | 1°54 | 26°21 | 27♑27 | 28♎20 | 27♎29 | 16°46 | 8♐41 | 9°41 | 21°55 | 18°19 | S 2 |
| M 3 | 15 8 39 | 18°25'27 | 21°23 | 2°34 | 8°32 | 2°31 | 26°29 | 27°26 | 28°18 | 27°27 | 16°48 | 8°39 | 9°38 | 22° 2 | 18°22 | M 3 |
| T 4 | 15 12 36 | 19°23'03 | 5♎ 3 | 4°26 | 9°45 | 3° 8 | 26°37 | 27°26 | 28°16 | 27°26 | 16°49 | 8°36 | 9°35 | 22° 8 | 18°24 | T 4 |
| W 5 | 15 16 32 | 20°20'37 | 19°10 | 6°21 | 10°58 | 3°45 | 26°46 | 27°26 | 28°13 | 27°24 | 16°51 | 8°34 | 9°32 | 22°15 | 18°26 | W 5 |
| T 6 | 15 20 29 | 21°18'10 | 3♏39 | 8°18 | 12°11 | 4°22 | 26°54 | 27°25 | 28°11 | 27°23 | 16°52 | 8°32 | 9°29 | 22°22 | 18°28 | T 6 |
| F 7 | 15 24 25 | 22°15'41 | 18°28 | 10°17 | 13°25 | 4°59 | 27° 3 | 27°25 | 28° 9 | 27°22 | 16°53 | 8°30 | 9°25 | 22°28 | 18°30 | F 7 |
| S 8 | 15 28 22 | 23°13'12 | 3♐27 | 12°17 | 14°38 | 5°36 | 27°11 | 27°24 | 28° 7 | 27°20 | 16°55 | 8°D29 | 9°22 | 22°35 | 18°32 | S 8 |
| S 9 | 15 32 19 | 24°10'41 | 18°29 | 14°20 | 15°51 | 6°13 | 27°20 | 27°23 | 28° 4 | 27°19 | 16°56 | 8°30 | 9°19 | 22°42 | 18°34 | S 9 |
| M10 | 15 36 15 | 25° 8'10 | 3♑25 | 16°24 | 17° 4 | 6°50 | 27°29 | 27°23 | 28° 2 | 27°17 | 16°57 | 8°30 | 9°16 | 22°48 | 18°36 | M10 |
| T 11 | 15 40 12 | 26° 5'37 | 18° 9 | 18°30 | 18°17 | 7°27 | 27°38 | 27°22 | 28° 0 | 27°16 | 16°59 | 8°31 | 9°13 | 22°55 | 18°38 | T 11 |
| W12 | 15 44 8 | 27° 3'04 | 2♒35 | 20°38 | 19°30 | 8° 4 | 27°47 | 27°21 | 27°58 | 27°14 | 17° 0 | 8°32 | 9°10 | 23° 2 | 18°40 | W12 |
| T 13 | 15 48 5 | 28° 0'30 | 16°39 | 22°47 | 20°42 | 8°41 | 27°57 | 27°20 | 27°56 | 27°13 | 17° 1 | 8°33 | 9° 6 | 23° 8 | 18°41 | T 13 |
| F 14 | 15 52 1 | 28°57'55 | 0♓22 | 24°57 | 21°55 | 9°18 | 28° 6 | 27°18 | 27°54 | 27°12 | 17° 3 | 8°R33 | 9° 3 | 23°15 | 18°43 | F 14 |
| S 15 | 15 55 58 | 29°55'20 | 13°43 | 27° 8 | 23° 8 | 9°55 | 28°16 | 27°17 | 27°52 | 27°10 | 17° 4 | 8°33 | 9° 0 | 23°22 | 18°45 | S 15 |
| S 16 | 15 59 54 | 0♊52'43 | 26°44 | 29°19 | 24°21 | 10°32 | 28°25 | 27°16 | 27°50 | 27° 9 | 17° 5 | 8°32 | 8°57 | 23°28 | 18°47 | S 16 |
| M17 | 16 3 51 | 1°50'06 | 9♈28 | 1♊31 | 25°34 | 11° 9 | 28°35 | 27°14 | 27°48 | 27° 8 | 17° 7 | 8°31 | 8°54 | 23°35 | 18°48 | M17 |
| T 18 | 16 7 48 | 2°47'29 | 21°57 | 3°43 | 26°47 | 11°46 | 28°45 | 27°13 | 27°46 | 27° 7 | 17° 8 | 8°30 | 8°50 | 23°42 | 18°50 | T 18 |
| W19 | 16 11 44 | 3°44'51 | 4♉13 | 5°55 | 28° 0 | 12°23 | 28°54 | 27°11 | 27°44 | 27° 5 | 17° 9 | 8°30 | 8°47 | 23°48 | 18°51 | W19 |
| T 20 | 16 15 41 | 4°42'12 | 16°19 | 8° 6 | 29°12 | 13° 0 | 29° 4 | 27° 9 | 27°42 | 27° 4 | 17°11 | 8°29 | 8°44 | 23°55 | 18°53 | T 20 |
| F 21 | 16 19 37 | 5°39'33 | 28°17 | 10°17 | 0♋25 | 13°37 | 29°14 | 27° 7 | 27°40 | 27° 3 | 17°12 | 8°29 | 8°41 | 24° 2 | 18°54 | F 21 |
| S 22 | 16 23 34 | 6°36'52 | 10♊ 9 | 12°27 | 1°38 | 14°14 | 29°25 | 27° 5 | 27°39 | 27° 2 | 17°13 | 8°D29 | 8°38 | 24° 8 | 18°55 | S 22 |
| S 23 | 16 27 30 | 7°34'12 | 21°58 | 14°35 | 2°50 | 14°51 | 29°35 | 27° 3 | 27°37 | 27° 1 | 17°14 | 8°29 | 8°35 | 24°15 | 18°57 | S 23 |
| M24 | 16 31 27 | 8°31'30 | 3♋45 | 16°43 | 4° 3 | 15°28 | 29°45 | 27° 1 | 27°35 | 27° 0 | 17°16 | 8°R29 | 8°31 | 24°21 | 18°58 | M24 |
| T 25 | 16 35 23 | 9°28'48 | 15°34 | 18°48 | 5°16 | 16° 5 | 29°56 | 26°59 | 27°33 | 26°58 | 17°17 | 8°29 | 8°28 | 24°28 | 18°59 | T 25 |
| W26 | 16 39 20 | 10°26'04 | 27°26 | 20°52 | 6°28 | 16°43 | 0♌ 6 | 26°57 | 27°32 | 26°57 | 17°18 | 8°29 | 8°25 | 24°35 | 19° 0 | W26 |
| T 27 | 16 43 17 | 11°23'20 | 9♌27 | 22°55 | 7°41 | 17°20 | 0°17 | 26°54 | 27°30 | 26°56 | 17°20 | 8°29 | 8°22 | 24°41 | 19° 1 | T 27 |
| F 28 | 16 47 13 | 12°20'35 | 21°38 | 24°55 | 8°53 | 17°57 | 0°27 | 26°52 | 27°29 | 26°55 | 17°21 | 8°28 | 8°19 | 24°48 | 19° 2 | F 28 |
| S 29 | 16 51 10 | 13°17'50 | 4♍ 5 | 26°53 | 10° 6 | 18°34 | 0°38 | 26°49 | 27°27 | 26°54 | 17°22 | 8°28 | 8°16 | 24°55 | 19° 3 | S 29 |
| S 30 | 16 55 6 | 14°15'03 | 16°50 | 28°49 | 11°18 | 19°11 | 0°49 | 26°47 | 27°26 | 26°53 | 17°23 | 8°D28 | 8°12 | 25° 1 | 19° 4 | S 30 |
| M31 | 16 59 3 | 15♊12'16 | 29♍58 | 0♋43 | 12♋31 | 19♋48 | 1♌ 0 | 26♑44 | 27♎24 | 26♎52 | 17♉24 | 8♐28 | 8♐ 9 | 25♊ 8 | 19♓ 5 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n51 | 8n18 | 5s 7 | 9n16 | 2s 0 | 22n 4 | 0n39 | 24n53 | 1n20 | 21n44 | 0n44 | 21s 2 | 0s16 | 10s27 | 0n32 | 8s51 | 1n54 | 4n 3 | 13s25 | 21s51 | 22s 1 | 22n13 | 0s39 | 4n21 |
| S 2 | 17 7 | 3 40 | 5 16 | 10 1 | 1 53 | 22 19 | 0 42 | 24 52 | 1 20 | 21 42 | 0 44 | 21 2 | 0 16 | 10 27 | 0 32 | 8 51 | 1 54 | 4 3 | 13 25 | 21 51 | 22 0 | 22 13 | 0 38 | 4 21 |
| M 3 | 17 23 | 1s17 | 5 8 | 10 47 | 1 44 | 22 33 | 0 44 | 24 51 | 1 20 | 21 40 | 0 44 | 21 2 | 0 16 | 10 26 | 0 31 | 8 50 | 1 54 | 4 3 | 13 25 | 21 51 | 22 0 | 22 12 | 0 37 | 4 21 |
| T 4 | 17 39 | 6 20 | 4 43 | 11 34 | 1 36 | 22 47 | 0 47 | 24 51 | 1 20 | 21 39 | 0 44 | 21 2 | 0 16 | 10 25 | 0 31 | 8 50 | 1 54 | 4 4 | 13 25 | 21 50 | 21 59 | 22 12 | 0 36 | 4 21 |
| W 5 | 17 55 | 11 14 | 4 0 | 12 20 | 1 26 | 23 0 | 0 49 | 24 50 | 1 20 | 21 37 | 0 44 | 21 2 | 0 16 | 10 24 | 0 31 | 8 49 | 1 54 | 4 4 | 13 25 | 21 50 | 21 59 | 22 11 | 0 35 | 4 22 |
| T 6 | 18 10 | 15 38 | 3 1 | 13 7 | 1 17 | 23 12 | 0 51 | 24 48 | 1 20 | 21 36 | 0 44 | 21 3 | 0 17 | 10 23 | 0 31 | 8 49 | 1 54 | 4 4 | 13 24 | 21 50 | 21 58 | 22 11 | 0 34 | 4 22 |
| F 7 | 18 25 | 19 8 | 1 49 | 13 54 | 1 7 | 23 24 | 0 54 | 24 47 | 1 20 | 21 34 | 0 44 | 21 3 | 0 17 | 10 23 | 0 31 | 8 48 | 1 54 | 4 5 | 13 24 | 21 49 | 21 58 | 22 10 | 0 33 | 4 22 |
| S 8 | 18 40 | 21 24 | 0 28 | 14 41 | 0 57 | 23 35 | 0 56 | 24 45 | 1 20 | 21 32 | 0 44 | 21 3 | 0 17 | 10 22 | 0 31 | 8 48 | 1 54 | 4 5 | 13 24 | 21 49 | 21 58 | 22 10 | 0 32 | 4 22 |
| S 9 | 18 54 | 22 8 | 0n55 | 15 28 | 0 47 | 23 46 | 0 58 | 24 44 | 1 20 | 21 30 | 0 44 | 21 3 | 0 17 | 10 21 | 0 31 | 8 47 | 1 54 | 4 6 | 13 24 | 21 49 | 21 57 | 22 9 | 0 31 | 4 22 |
| M10 | 19 8 | 21 16 | 2 14 | 16 14 | 0 36 | 23 55 | 1 0 | 24 42 | 1 19 | 21 29 | 0 44 | 21 4 | 0 17 | 10 20 | 0 31 | 8 47 | 1 54 | 4 6 | 13 24 | 21 49 | 21 57 | 22 9 | 0 30 | 4 22 |
| T 11 | 19 22 | 18 58 | 3 23 | 17 0 | 0 26 | 24 4 | 1 3 | 24 40 | 1 19 | 21 27 | 0 44 | 21 4 | 0 17 | 10 19 | 0 31 | 8 46 | 1 54 | 4 6 | 13 25 | 21 50 | 21 56 | 22 8 | 0 29 | 4 23 |
| W12 | 19 35 | 15 30 | 4 17 | 17 45 | 0 15 | 24 13 | 1 5 | 24 37 | 1 19 | 21 25 | 0 44 | 21 4 | 0 17 | 10 19 | 0 31 | 8 46 | 1 54 | 4 7 | 13 25 | 21 50 | 21 56 | 22 8 | 0 29 | 4 23 |
| T 13 | 19 48 | 11 14 | 4 55 | 18 29 | 0 4 | 24 20 | 1 7 | 24 35 | 1 19 | 21 23 | 0 44 | 21 4 | 0 17 | 10 18 | 0 31 | 8 45 | 1 54 | 4 7 | 13 25 | 21 50 | 21 55 | 22 7 | 0 28 | 4 23 |
| F 14 | 20 1 | 6 30 | 5 14 | 19 12 | 0n 6 | 24 27 | 1 9 | 24 32 | 1 19 | 21 21 | 0 44 | 21 5 | 0 17 | 10 17 | 0 31 | 8 45 | 1 54 | 4 7 | 13 25 | 21 50 | 21 55 | 22 7 | 0 27 | 4 23 |
| S 15 | 20 14 | 1 34 | 5 16 | 19 53 | 0 17 | 24 33 | 1 11 | 24 29 | 1 19 | 21 19 | 0 44 | 21 5 | 0 18 | 10 17 | 0 31 | 8 45 | 1 54 | 4 8 | 13 25 | 21 50 | 21 54 | 22 6 | 0 26 | 4 23 |
| S 16 | 20 26 | 3n18 | 5 2 | 20 32 | 0 27 | 24 39 | 1 13 | 24 27 | 1 19 | 21 17 | 0 44 | 21 6 | 0 18 | 10 16 | 0 31 | 8 44 | 1 54 | 4 8 | 13 25 | 21 50 | 21 54 | 22 6 | 0 25 | 4 23 |
| M17 | 20 37 | 7 56 | 4 32 | 21 10 | 0 37 | 24 43 | 1 15 | 24 23 | 1 19 | 21 15 | 0 44 | 21 6 | 0 18 | 10 15 | 0 31 | 8 44 | 1 54 | 4 8 | 13 25 | 21 50 | 21 53 | 22 5 | 0 25 | 4 24 |
| T 18 | 20 49 | 12 9 | 3 51 | 21 46 | 0 47 | 24 48 | 1 17 | 24 20 | 1 19 | 21 13 | 0 44 | 21 6 | 0 18 | 10 15 | 0 31 | 8 43 | 1 54 | 4 9 | 13 25 | 21 49 | 21 53 | 22 5 | 0 24 | 4 24 |
| W19 | 21 0 | 15 47 | 2 59 | 22 19 | 0 56 | 24 51 | 1 19 | 24 17 | 1 19 | 21 11 | 0 44 | 21 7 | 0 18 | 10 14 | 0 31 | 8 43 | 1 54 | 4 9 | 13 25 | 21 49 | 21 52 | 22 4 | 0 23 | 4 24 |
| T 20 | 21 11 | 18 43 | 2 0 | 22 50 | 1 5 | 24 53 | 1 21 | 24 13 | 1 19 | 21 9 | 0 44 | 21 7 | 0 18 | 10 13 | 0 31 | 8 42 | 1 54 | 4 9 | 13 25 | 21 49 | 21 52 | 22 4 | 0 22 | 4 24 |
| F 21 | 21 21 | 20 47 | 0 56 | 23 18 | 1 13 | 24 55 | 1 22 | 24 9 | 1 18 | 21 7 | 0 44 | 21 8 | 0 18 | 10 13 | 0 31 | 8 42 | 1 54 | 4 9 | 13 25 | 21 49 | 21 51 | 22 3 | 0 22 | 4 24 |
| S 22 | 21 31 | 21 55 | 0s 9 | 23 44 | 1 21 | 24 56 | 1 24 | 24 5 | 1 18 | 21 5 | 0 44 | 21 8 | 0 18 | 10 12 | 0 31 | 8 42 | 1 54 | 4 10 | 13 25 | 21 49 | 21 51 | 22 3 | 0 21 | 4 25 |
| S 23 | 21 40 | 22 4 | 1 14 | 24 7 | 1 28 | 24 57 | 1 26 | 24 1 | 1 18 | 21 3 | 0 44 | 21 9 | 0 18 | 10 11 | 0 31 | 8 41 | 1 54 | 4 10 | 13 25 | 21 49 | 21 50 | 22 2 | 0 20 | 4 25 |
| M24 | 21 50 | 21 14 | 2 16 | 24 27 | 1 35 | 24 57 | 1 27 | 23 56 | 1 18 | 21 0 | 0 44 | 21 9 | 0 19 | 10 11 | 0 31 | 8 41 | 1 54 | 4 10 | 13 25 | 21 49 | 21 50 | 22 1 | 0 20 | 4 25 |
| T 25 | 21 58 | 19 28 | 3 12 | 24 45 | 1 41 | 24 55 | 1 29 | 23 52 | 1 18 | 20 58 | 0 44 | 21 10 | 0 19 | 10 10 | 0 31 | 8 41 | 1 54 | 4 11 | 13 25 | 21 49 | 21 49 | 22 1 | 0 19 | 4 25 |
| W26 | 22 7 | 16 51 | 4 0 | 24 59 | 1 46 | 24 54 | 1 30 | 23 47 | 1 18 | 20 56 | 0 44 | 21 10 | 0 19 | 10 10 | 0 31 | 8 40 | 1 53 | 4 11 | 13 25 | 21 49 | 21 49 | 22 0 | 0 18 | 4 25 |
| T 27 | 22 15 | 13 30 | 4 38 | 25 11 | 1 50 | 24 51 | 1 32 | 23 42 | 1 18 | 20 54 | 0 44 | 21 11 | 0 19 | 10 9 | 0 31 | 8 40 | 1 53 | 4 11 | 13 25 | 21 49 | 21 48 | 22 0 | 0 18 | 4 26 |
| F 28 | 22 23 | 9 33 | 5 4 | 25 21 | 1 54 | 24 48 | 1 33 | 23 37 | 1 18 | 20 51 | 0 44 | 21 11 | 0 19 | 10 9 | 0 31 | 8 40 | 1 53 | 4 11 | 13 25 | 21 49 | 21 48 | 21 59 | 0 17 | 4 26 |
| S 29 | 22 30 | 5 8 | 5 17 | 25 27 | 1 56 | 24 44 | 1 34 | 23 32 | 1 17 | 20 49 | 0 44 | 21 12 | 0 19 | 10 8 | 0 31 | 8 39 | 1 53 | 4 12 | 13 25 | 21 49 | 21 47 | 21 58 | 0 17 | 4 26 |
| S 30 | 22 37 | 0 24 | 5 14 | 25 31 | 1 59 | 24 39 | 1 36 | 23 27 | 1 17 | 20 47 | 0 44 | 21 13 | 0 19 | 10 8 | 0 31 | 8 39 | 1 53 | 4 12 | 13 26 | 21 49 | 21 47 | 21 58 | 0 16 | 4 26 |
| M31 | 22n43 | 4s30 | 4s56 | 25n33 | 2n 0 | 24n34 | 1n37 | 23n21 | 1n17 | 20n44 | 0n44 | 21s13 | 0s19 | 10s 7 | 0n31 | 8s39 | 1n53 | 4n12 | 13s26 | 21s49 | 21s46 | 21n57 | 0s15 | 4n26 |

Julian Day Number = 2136467.5, Delta T = 15m52s
Ecliptic obliquity = 23°33'01, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'47, Lahiri = 11°49'47 Julian Calendar 1 May 1137 == Greg. Calendar 8 May 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## JUNE 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 2 59 | 16♊ 9'28 | 13♎31 | 2♋34 | 13♋43 | 20♋25 | 1♌11 | 26°R41 | 27°R23 | 26°R51 | 17♉26 | 8♐29 | 8♐ 6 | 25♊15 | 19♓ 6 | T 1 |
| W 2 | 17 6 56 | 17° 6'40 | 27°30 | 4°24 | 14°55 | 21° 3 | 1°22 | 26♑38 | 27♎21 | 26♎50 | 17°27 | 8°29 | 8° 3 | 25°21 | 19° 7 | W 2 |
| T 3 | 17 10 52 | 18° 3'50 | 11♏56 | 6°11 | 16° 8 | 21°40 | 1°33 | 26°35 | 27°20 | 26°50 | 17°28 | 8°30 | 8° 0 | 25°28 | 19° 7 | T 3 |
| F 4 | 17 14 49 | 19° 1'01 | 26°43 | 7°56 | 17°20 | 22°17 | 1°44 | 26°32 | 27°19 | 26°49 | 17°29 | 8°31 | 7°56 | 25°35 | 19° 8 | F 4 |
| S 5 | 17 18 46 | 19°58'11 | 11♐47 | 9°38 | 18°32 | 22°54 | 1°55 | 26°29 | 27°18 | 26°48 | 17°30 | 8°R31 | 7°53 | 25°41 | 19° 9 | S 5 |
| S 6 | 17 22 42 | 20°55'20 | 26°59 | 11°19 | 19°44 | 23°32 | 2° 7 | 26°26 | 27°16 | 26°47 | 17°32 | 8°30 | 7°50 | 25°48 | 19° 9 | S 6 |
| M 7 | 17 26 39 | 21°52'30 | 12♑10 | 12°57 | 20°56 | 24° 9 | 2°18 | 26°23 | 27°15 | 26°46 | 17°33 | 8°29 | 7°47 | 25°55 | 19°10 | M 7 |
| T 8 | 17 30 35 | 22°49'39 | 27°10 | 14°32 | 22° 9 | 24°46 | 2°29 | 26°20 | 27°14 | 26°45 | 17°34 | 8°28 | 7°44 | 26° 1 | 19°10 | T 8 |
| W 9 | 17 34 32 | 23°46'49 | 11♒51 | 16° 6 | 23°21 | 25°23 | 2°41 | 26°16 | 27°13 | 26°45 | 17°35 | 8°26 | 7°41 | 26° 8 | 19°10 | W 9 |
| T 10 | 17 38 28 | 24°43'58 | 26° 8 | 17°37 | 24°33 | 26° 1 | 2°52 | 26°13 | 27°12 | 26°44 | 17°36 | 8°24 | 7°37 | 26°15 | 19°11 | T 10 |
| F 11 | 17 42 25 | 25°41'07 | 9♓59 | 19° 6 | 25°45 | 26°38 | 3° 4 | 26°10 | 27°11 | 26°43 | 17°37 | 8°23 | 7°34 | 26°21 | 19°11 | F 11 |
| S 12 | 17 46 21 | 26°38'17 | 23°22 | 20°32 | 26°57 | 27°15 | 3°16 | 26° 6 | 27°10 | 26°43 | 17°38 | 8°D22 | 7°31 | 26°28 | 19°11 | S 12 |
| S 13 | 17 50 18 | 27°35'27 | 6♈22 | 21°56 | 28° 9 | 27°52 | 3°27 | 26° 2 | 27°10 | 26°42 | 17°40 | 8°23 | 7°28 | 26°35 | 19°11 | S 13 |
| M14 | 17 54 15 | 28°32'37 | 18°59 | 23°17 | 29°20 | 28°30 | 3°39 | 25°59 | 27° 9 | 26°42 | 17°41 | 8°24 | 7°25 | 26°41 | 19°12 | M14 |
| T 15 | 17 58 11 | 29°29'48 | 1♉19 | 24°36 | 0♌32 | 29° 7 | 3°51 | 25°55 | 27° 8 | 26°41 | 17°42 | 8°25 | 7°22 | 26°48 | 19°12 | T 15 |
| W16 | 18 2 8 | 0♋26'58 | 13°26 | 25°53 | 1°44 | 29°45 | 4° 3 | 25°51 | 27° 7 | 26°41 | 17°43 | 8°27 | 7°18 | 26°54 | 19°R12 | W16 |
| T 17 | 18 6 4 | 1°24'09 | 25°22 | 27° 7 | 2°56 | 0♌22 | 4°15 | 25°47 | 27° 7 | 26°40 | 17°44 | 8°28 | 7°15 | 27° 1 | 19°12 | T 17 |
| F 18 | 18 10 1 | 2°21'21 | 7♊13 | 28°18 | 4° 8 | 0°59 | 4°27 | 25°44 | 27° 6 | 26°40 | 17°45 | 8°R28 | 7°12 | 27° 8 | 19°12 | F 18 |
| S 19 | 18 13 57 | 3°18'32 | 19° 1 | 29°27 | 5°19 | 1°37 | 4°39 | 25°40 | 27° 6 | 26°39 | 17°46 | 8°28 | 7° 9 | 27°14 | 19°11 | S 19 |
| S 20 | 18 17 54 | 4°15'44 | 0♋48 | 0♌33 | 6°31 | 2°14 | 4°51 | 25°36 | 27° 5 | 26°39 | 17°47 | 8°26 | 7° 6 | 27°21 | 19°11 | S 20 |
| M21 | 18 21 50 | 5°12'56 | 12°37 | 1°36 | 7°43 | 2°52 | 5° 3 | 25°32 | 27° 5 | 26°38 | 17°48 | 8°23 | 7° 2 | 27°28 | 19°11 | M21 |
| T 22 | 18 25 47 | 6°10'09 | 24°30 | 2°36 | 8°54 | 3°29 | 5°16 | 25°28 | 27° 4 | 26°38 | 17°49 | 8°19 | 6°59 | 27°34 | 19°11 | T 22 |
| W23 | 18 29 44 | 7° 7'21 | 6♌30 | 3°33 | 10° 6 | 4° 6 | 5°28 | 25°24 | 27° 4 | 26°38 | 17°50 | 8°14 | 6°56 | 27°41 | 19°10 | W23 |
| T 24 | 18 33 40 | 8° 4'34 | 18°37 | 4°26 | 11°17 | 4°44 | 5°40 | 25°19 | 27° 4 | 26°37 | 17°51 | 8°10 | 6°53 | 27°48 | 19°10 | T 24 |
| F 25 | 18 37 37 | 9° 1'47 | 0♍55 | 5°17 | 12°29 | 5°21 | 5°53 | 25°15 | 27° 3 | 26°37 | 17°52 | 8° 5 | 6°50 | 27°54 | 19° 9 | F 25 |
| S 26 | 18 41 33 | 9°59'00 | 13°25 | 6° 4 | 13°40 | 5°59 | 6° 5 | 25°11 | 27° 3 | 26°37 | 17°52 | 8° 1 | 6°47 | 28° 1 | 19° 9 | S 26 |
| S 27 | 18 45 30 | 10°56'13 | 26°12 | 6°48 | 14°51 | 6°36 | 6°17 | 25° 7 | 27° 3 | 26°37 | 17°53 | 7°59 | 6°43 | 28° 8 | 19° 8 | S 27 |
| M28 | 18 49 26 | 11°53'26 | 9♎16 | 7°27 | 16° 3 | 7°14 | 6°30 | 25° 3 | 27° 3 | 26°37 | 17°54 | 7°D58 | 6°40 | 28°14 | 19° 8 | M28 |
| T 29 | 18 53 23 | 12°50'39 | 22°42 | 8° 3 | 17°14 | 7°52 | 6°42 | 24°58 | 27°D 3 | 26°37 | 17°55 | 7°58 | 6°37 | 28°21 | 19° 7 | T 29 |
| W30 | 18 57 19 | 13♋47'53 | 6♏31 | 8♌35 | 18♌25 | 8♌29 | 6♌55 | 24♑54 | 27♎ 3 | 26♎36 | 17♉56 | 7♐59 | 6♐34 | 28♊28 | 19♓ 6 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n50 | 9s21 | 4s20 | 25n32 | 2n 1 | 24n28 | 1n38 | 23n16 | 1n17 | 20n42 | 0n44 | 21s14 | 0s19 | 10s 7 | 0n31 | 8s38 | 1n53 | 4n12 | 13s26 | 21s49 | 21s46 | 21n57 | 0s15 | 4n26 |
| W 2 | 22 55 | 13 52 | 3 29 | 25 29 | 2 1 | 24 21 | 1 39 | 23 10 | 1 17 | 20 39 | 0 44 | 21 15 | 0 20 | 10 6 | 0 31 | 8 38 | 1 53 | 4 12 | 13 26 | 21 49 | 21 45 | 21 56 | 0 15 | 4 27 |
| T 3 | 23 1 | 17 44 | 2 22 | 25 24 | 2 0 | 24 14 | 1 40 | 23 4 | 1 17 | 20 37 | 0 44 | 21 15 | 0 20 | 10 6 | 0 31 | 8 38 | 1 53 | 4 13 | 13 26 | 21 49 | 21 45 | 21 55 | 0 14 | 4 27 |
| F 4 | 23 6 | 20 34 | 1 5 | 25 17 | 1 59 | 24 5 | 1 41 | 22 57 | 1 17 | 20 34 | 0 44 | 21 16 | 0 20 | 10 5 | 0 31 | 8 38 | 1 53 | 4 13 | 13 26 | 21 50 | 21 44 | 21 55 | 0 14 | 4 27 |
| S 5 | 23 10 | 22 0 | 0n18 | 25 8 | 1 56 | 23 56 | 1 42 | 22 51 | 1 16 | 20 32 | 0 44 | 21 17 | 0 20 | 10 5 | 0 31 | 8 37 | 1 53 | 4 13 | 13 26 | 21 50 | 21 44 | 21 54 | 0 13 | 4 27 |
| S 6 | 23 14 | 21 50 | 1 41 | 24 57 | 1 54 | 23 47 | 1 43 | 22 45 | 1 16 | 20 29 | 0 44 | 21 17 | 0 20 | 10 4 | 0 31 | 8 37 | 1 53 | 4 13 | 13 26 | 21 49 | 21 43 | 21 54 | 0 13 | 4 27 |
| M 7 | 23 18 | 20 4 | 2 56 | 24 45 | 1 50 | 23 37 | 1 43 | 22 38 | 1 16 | 20 27 | 0 44 | 21 18 | 0 20 | 10 4 | 0 31 | 8 37 | 1 53 | 4 13 | 13 26 | 21 49 | 21 43 | 21 53 | 0 12 | 4 28 |
| T 8 | 23 21 | 16 56 | 3 58 | 24 31 | 1 46 | 23 26 | 1 44 | 22 31 | 1 16 | 20 24 | 0 44 | 21 19 | 0 20 | 10 4 | 0 31 | 8 37 | 1 53 | 4 14 | 13 27 | 21 49 | 21 42 | 21 52 | 0 12 | 4 28 |
| W 9 | 23 24 | 12 47 | 4 43 | 24 15 | 1 42 | 23 14 | 1 44 | 22 24 | 1 16 | 20 22 | 0 44 | 21 20 | 0 20 | 10 3 | 0 31 | 8 36 | 1 53 | 4 14 | 13 27 | 21 49 | 21 41 | 21 52 | 0 12 | 4 28 |
| T 10 | 23 27 | 8 1 | 5 9 | 23 59 | 1 36 | 23 2 | 1 45 | 22 17 | 1 16 | 20 19 | 0 44 | 21 20 | 0 20 | 10 3 | 0 31 | 8 36 | 1 53 | 4 14 | 13 27 | 21 49 | 21 41 | 21 51 | 0 11 | 4 28 |
| F 11 | 23 29 | 2 59 | 5 16 | 23 41 | 1 30 | 22 49 | 1 45 | 22 10 | 1 16 | 20 16 | 0 44 | 21 21 | 0 20 | 10 3 | 0 30 | 8 36 | 1 53 | 4 14 | 13 27 | 21 48 | 21 40 | 21 50 | 0 11 | 4 28 |
| S 12 | 23 30 | 2n 2 | 5 6 | 23 21 | 1 24 | 22 36 | 1 46 | 22 2 | 1 15 | 20 13 | 0 44 | 21 22 | 0 21 | 10 2 | 0 30 | 8 36 | 1 53 | 4 14 | 13 27 | 21 48 | 21 40 | 21 50 | 0 11 | 4 29 |
| S 13 | 23 32 | 6 49 | 4 40 | 23 1 | 1 17 | 22 21 | 1 46 | 21 55 | 1 15 | 20 11 | 0 44 | 21 23 | 0 21 | 10 2 | 0 30 | 8 36 | 1 53 | 4 14 | 13 27 | 21 48 | 21 39 | 21 49 | 0 11 | 4 29 |
| M14 | 23 33 | 11 10 | 4 1 | 22 40 | 1 10 | 22 7 | 1 46 | 21 47 | 1 15 | 20 8 | 0 44 | 21 23 | 0 21 | 10 2 | 0 30 | 8 35 | 1 53 | 4 15 | 13 27 | 21 48 | 21 39 | 21 48 | 0 10 | 4 29 |
| T 15 | 23 33 | 14 58 | 3 11 | 22 19 | 1 1 | 21 51 | 1 46 | 21 39 | 1 15 | 20 5 | 0 44 | 21 24 | 0 21 | 10 2 | 0 30 | 8 35 | 1 52 | 4 15 | 13 28 | 21 49 | 21 38 | 21 48 | 0 10 | 4 29 |
| W16 | 23 33 | 18 4 | 2 14 | 21 56 | 0 53 | 21 35 | 1 46 | 21 31 | 1 15 | 20 2 | 0 44 | 21 25 | 0 21 | 10 1 | 0 30 | 8 35 | 1 52 | 4 15 | 13 28 | 21 49 | 21 38 | 21 47 | 0 10 | 4 29 |
| T 17 | 23 33 | 20 21 | 1 12 | 21 33 | 0 44 | 21 19 | 1 46 | 21 23 | 1 14 | 20 0 | 0 44 | 21 26 | 0 21 | 10 1 | 0 30 | 8 35 | 1 52 | 4 15 | 13 28 | 21 49 | 21 37 | 21 46 | 0 10 | 4 30 |
| F 18 | 23 32 | 21 44 | 0 7 | 21 9 | 0 34 | 21 2 | 1 46 | 21 14 | 1 14 | 19 57 | 0 44 | 21 27 | 0 21 | 10 1 | 0 30 | 8 35 | 1 52 | 4 15 | 13 28 | 21 49 | 21 37 | 21 46 | 0 10 | 4 30 |
| S 19 | 23 30 | 22 8 | 0s58 | 20 45 | 0 24 | 20 44 | 1 46 | 21 6 | 1 14 | 19 54 | 0 44 | 21 27 | 0 21 | 10 1 | 0 30 | 8 35 | 1 52 | 4 15 | 13 28 | 21 49 | 21 36 | 21 45 | 0 10 | 4 30 |
| S 20 | 23 29 | 21 33 | 2 0 | 20 21 | 0 14 | 20 26 | 1 45 | 20 57 | 1 14 | 19 51 | 0 44 | 21 28 | 0 21 | 10 1 | 0 30 | 8 35 | 1 52 | 4 15 | 13 28 | 21 49 | 21 36 | 21 44 | 0 9 | 4 30 |
| M21 | 23 27 | 20 1 | 2 57 | 19 57 | 0 3 | 20 7 | 1 45 | 20 48 | 1 14 | 19 48 | 0 44 | 21 29 | 0 22 | 10 1 | 0 30 | 8 35 | 1 52 | 4 15 | 13 28 | 21 48 | 21 35 | 21 44 | 0 9 | 4 30 |
| T 22 | 23 24 | 17 36 | 3 46 | 19 32 | 0s 8 | 19 47 | 1 44 | 20 39 | 1 14 | 19 45 | 0 44 | 21 30 | 0 22 | 10 0 | 0 30 | 8 35 | 1 52 | 4 15 | 13 29 | 21 48 | 21 35 | 21 43 | 0 9 | 4 31 |
| W23 | 23 21 | 14 26 | 4 26 | 19 8 | 0 20 | 19 28 | 1 44 | 20 30 | 1 13 | 19 42 | 0 44 | 21 31 | 0 22 | 10 0 | 0 30 | 8 35 | 1 52 | 4 16 | 13 29 | 21 47 | 21 34 | 21 42 | 0 9 | 4 31 |
| T 24 | 23 18 | 10 38 | 4 55 | 18 43 | 0 32 | 19 7 | 1 43 | 20 21 | 1 13 | 19 39 | 0 44 | 21 32 | 0 22 | 10 0 | 0 30 | 8 35 | 1 52 | 4 16 | 13 29 | 21 46 | 21 34 | 21 41 | 0 9 | 4 31 |
| F 25 | 23 14 | 6 22 | 5 10 | 18 19 | 0 44 | 18 46 | 1 42 | 20 12 | 1 13 | 19 36 | 0 44 | 21 33 | 0 22 | 10 0 | 0 30 | 8 34 | 1 52 | 4 16 | 13 29 | 21 45 | 21 33 | 21 41 | 0 9 | 4 31 |
| S 26 | 23 10 | 1 45 | 5 11 | 17 55 | 0 57 | 18 25 | 1 41 | 20 2 | 1 13 | 19 33 | 0 44 | 21 33 | 0 22 | 10 0 | 0 30 | 8 34 | 1 52 | 4 16 | 13 29 | 21 45 | 21 32 | 21 40 | 0 9 | 4 31 |
| S 27 | 23 6 | 3s 1 | 4 57 | 17 32 | 1 10 | 18 3 | 1 41 | 19 53 | 1 13 | 19 30 | 0 44 | 21 34 | 0 22 | 10 0 | 0 30 | 8 34 | 1 52 | 4 16 | 13 30 | 21 44 | 21 32 | 21 39 | 0 9 | 4 32 |
| M28 | 23 1 | 7 47 | 4 27 | 17 9 | 1 23 | 17 41 | 1 40 | 19 43 | 1 12 | 19 27 | 0 44 | 21 35 | 0 22 | 10 0 | 0 30 | 8 34 | 1 52 | 4 16 | 13 30 | 21 44 | 21 31 | 21 39 | 0 9 | 4 32 |
| T 29 | 22 56 | 12 18 | 3 42 | 16 47 | 1 37 | 17 18 | 1 38 | 19 33 | 1 12 | 19 24 | 0 44 | 21 36 | 0 22 | 10 0 | 0 30 | 8 34 | 1 52 | 4 16 | 13 30 | 21 44 | 21 31 | 21 38 | 0 10 | 4 32 |
| W30 | 22n50 | 16s19 | 2s43 | 16n26 | 1s50 | 16n55 | 1n37 | 19n23 | 1n12 | 19n20 | 0n44 | 21s37 | 0s22 | 10s 0 | 0n30 | 8s34 | 1n52 | 4n16 | 13s30 | 21s45 | 21s30 | 21n37 | 0s10 | 4n32 |

Julian Day Number = 2136498.5, Delta T = 15m51s
Ecliptic obliquity = 23°33'00, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'51, Lahiri = 11°49'52 Julian Calendar 1 June 1137 == Greg. Calendar 8 June 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## JULY 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 1 16 | 14♋45'07 | 20♏44 | 9♌ 3 | 19♌36 | 9♌ 7 | 7♌ 8 | 24°R50 | 27♎ 3 | 26°R36 | 17♉57 | 8♐ 1 | 6♐31 | 28♊34 | 19°R 5 | T 1 |
| F 2 | 19 5 13 | 15°42'21 | 5♐19 | 9°27 | 20°47 | 9°44 | 7°20 | 24♑45 | 27° 3 | 26°D36 | 17°58 | 8°R 2 | 6°28 | 28°41 | 19♓ 5 | F 2 |
| S 3 | 19 9 9 | 16°39'36 | 20°14 | 9°46 | 21°58 | 10°22 | 7°33 | 24°41 | 27° 3 | 26♎36 | 17°58 | 8° 1 | 6°24 | 28°48 | 19° 4 | S 3 |
| S 4 | 19 13 6 | 17°36'52 | 5♑20 | 10° 0 | 23° 9 | 11° 0 | 7°46 | 24°36 | 27° 4 | 26°36 | 17°59 | 7°59 | 6°21 | 28°54 | 19° 3 | S 4 |
| M 5 | 19 17 2 | 18°34'07 | 20°31 | 10°10 | 24°20 | 11°37 | 7°58 | 24°32 | 27° 4 | 26°37 | 18° 0 | 7°55 | 6°18 | 29° 1 | 19° 2 | M 5 |
| T 6 | 19 20 59 | 19°31'24 | 5♒35 | 10°R14 | 25°31 | 12°15 | 8°11 | 24°28 | 27° 4 | 26°37 | 18° 1 | 7°49 | 6°15 | 29° 8 | 19° 1 | T 6 |
| W 7 | 19 24 55 | 20°28'41 | 20°24 | 10°14 | 26°42 | 12°52 | 8°24 | 24°23 | 27° 4 | 26°37 | 18° 1 | 7°43 | 6°12 | 29°14 | 19° 0 | W 7 |
| T 8 | 19 28 52 | 21°25'59 | 4♓50 | 10° 9 | 27°52 | 13°30 | 8°37 | 24°19 | 27° 5 | 26°37 | 18° 2 | 7°37 | 6° 8 | 29°21 | 18°58 | T 8 |
| F 9 | 19 32 49 | 22°23'19 | 18°48 | 9°58 | 29° 3 | 14° 8 | 8°49 | 24°14 | 27° 5 | 26°37 | 18° 3 | 7°32 | 6° 5 | 29°28 | 18°57 | F 9 |
| S 10 | 19 36 45 | 23°20'39 | 2♈18 | 9°43 | 0♍14 | 14°46 | 9° 2 | 24°10 | 27° 6 | 26°37 | 18° 3 | 7°28 | 6° 2 | 29°34 | 18°56 | S 10 |
| S 11 | 19 40 42 | 24°18'00 | 15°20 | 9°22 | 1°24 | 15°23 | 9°15 | 24° 5 | 27° 7 | 26°38 | 18° 4 | 7°26 | 5°59 | 29°41 | 18°55 | S 11 |
| M12 | 19 44 38 | 25°15'22 | 27°58 | 8°57 | 2°35 | 16° 1 | 9°28 | 24° 1 | 27° 7 | 26°38 | 18° 5 | 7°D25 | 5°56 | 29°48 | 18°53 | M12 |
| T 13 | 19 48 35 | 26°12'46 | 10♉15 | 8°27 | 3°45 | 16°39 | 9°41 | 23°56 | 27° 8 | 26°38 | 18° 5 | 7°26 | 5°53 | 29°54 | 18°52 | T 13 |
| W14 | 19 52 31 | 27°10'11 | 22°18 | 7°53 | 4°55 | 17°17 | 9°54 | 23°52 | 27° 9 | 26°39 | 18° 6 | 7°27 | 5°49 | 0♋ 1 | 18°51 | W14 |
| T 15 | 19 56 28 | 28° 7'37 | 4♊11 | 7°15 | 6° 6 | 17°55 | 10° 7 | 23°47 | 27° 9 | 26°39 | 18° 6 | 7°R28 | 5°46 | 0° 8 | 18°49 | T 15 |
| F 16 | 20 0 24 | 29° 5'05 | 15°59 | 6°34 | 7°16 | 18°32 | 10°20 | 23°43 | 27°10 | 26°40 | 18° 7 | 7°28 | 5°43 | 0°14 | 18°48 | F 16 |
| S 17 | 20 4 21 | 0♌ 2'33 | 27°46 | 5°50 | 8°26 | 19°10 | 10°33 | 23°38 | 27°11 | 26°40 | 18° 8 | 7°26 | 5°40 | 0°21 | 18°46 | S 17 |
| S 18 | 20 8 18 | 1° 0'03 | 9♋35 | 5° 4 | 9°36 | 19°48 | 10°46 | 23°34 | 27°12 | 26°41 | 18° 8 | 7°21 | 5°37 | 0°28 | 18°44 | S 18 |
| M19 | 20 12 14 | 1°57'34 | 21°29 | 4°17 | 10°46 | 20°26 | 10°59 | 23°30 | 27°13 | 26°41 | 18° 9 | 7°14 | 5°34 | 0°34 | 18°43 | M19 |
| T 20 | 20 16 11 | 2°55'06 | 3♌31 | 3°29 | 11°56 | 21° 4 | 11°12 | 23°25 | 27°14 | 26°42 | 18° 9 | 7° 5 | 5°30 | 0°41 | 18°41 | T 20 |
| W21 | 20 20 7 | 3°52'39 | 15°41 | 2°42 | 13° 6 | 21°42 | 11°25 | 23°21 | 27°15 | 26°42 | 18°10 | 6°55 | 5°27 | 0°47 | 18°39 | W21 |
| T 22 | 20 24 4 | 4°50'14 | 28° 1 | 1°56 | 14°15 | 22°20 | 11°38 | 23°17 | 27°16 | 26°43 | 18°10 | 6°45 | 5°24 | 0°54 | 18°37 | T 22 |
| F 23 | 20 28 0 | 5°47'49 | 10♍31 | 1°13 | 15°25 | 22°58 | 11°51 | 23°12 | 27°18 | 26°43 | 18°10 | 6°35 | 5°21 | 1° 1 | 18°36 | F 23 |
| S 24 | 20 31 57 | 6°45'25 | 23°13 | 0°32 | 16°35 | 23°36 | 12° 4 | 23° 8 | 27°19 | 26°44 | 18°11 | 6°26 | 5°18 | 1° 7 | 18°34 | S 24 |
| S 25 | 20 35 53 | 7°43'03 | 6♎ 8 | 29♋56 | 17°44 | 24°14 | 12°17 | 23° 4 | 27°20 | 26°45 | 18°11 | 6°20 | 5°14 | 1°14 | 18°32 | S 25 |
| M26 | 20 39 50 | 8°40'41 | 19°17 | 29°24 | 18°54 | 24°52 | 12°31 | 22°59 | 27°22 | 26°46 | 18°12 | 6°16 | 5°11 | 1°21 | 18°30 | M26 |
| T 27 | 20 43 47 | 9°38'21 | 2♏41 | 28°58 | 20° 3 | 25°30 | 12°44 | 22°55 | 27°23 | 26°46 | 18°12 | 6°14 | 5° 8 | 1°27 | 18°28 | T 27 |
| W28 | 20 47 43 | 10°36'02 | 16°23 | 28°38 | 21°12 | 26° 8 | 12°57 | 22°51 | 27°24 | 26°47 | 18°12 | 6°D14 | 5° 5 | 1°34 | 18°26 | W28 |
| T 29 | 20 51 40 | 11°33'43 | 0♐24 | 28°24 | 22°21 | 26°46 | 13°10 | 22°47 | 27°26 | 26°48 | 18°12 | 6°R15 | 5° 2 | 1°41 | 18°24 | T 29 |
| F 30 | 20 55 36 | 12°31'26 | 14°43 | 28°D18 | 23°31 | 27°24 | 13°23 | 22°43 | 27°27 | 26°49 | 18°13 | 6°14 | 4°59 | 1°47 | 18°22 | F 30 |
| S 31 | 20 59 33 | 13♌29'10 | 29♐20 | 28♋18 | 24♍39 | 28♌ 3 | 13♌36 | 22♑39 | 27♎29 | 26♎50 | 18♉13 | 6♐13 | 4♐55 | 1♋54 | 18♓20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n44 | 19s31 | 1s33 | 16n 5 | 2s 4 | 16n31 | 1n36 | 19n13 | 1n12 | 19n17 | 0n44 | 21s38 | 0s23 | 10s 0 | 0n30 | 8s35 | 1n52 | 4n16 | 13s30 | 21s45 | 21s30 | 21n36 | 0s10 | 4n32 | T 1 |
| F 2 | 22 37 | 21 32 | 0 15 | 15 46 | 2 18 | 16 7 | 1 35 | 19 3 | 1 12 | 19 14 | 0 44 | 21 39 | 0 23 | 10 0 | 0 30 | 8 35 | 1 51 | 4 16 | 13 31 | 21 45 | 21 29 | 21 36 | 0 10 | 4 32 | F 2 |
| S 3 | 22 30 | 22 5 | 1n 6 | 15 27 | 2 31 | 15 43 | 1 33 | 18 52 | 1 11 | 19 11 | 0 44 | 21 40 | 0 23 | 10 1 | 0 30 | 8 35 | 1 51 | 4 16 | 13 31 | 21 45 | 21 29 | 21 35 | 0 10 | 4 33 | S 3 |
| S 4 | 22 23 | 21 3 | 2 23 | 15 10 | 2 45 | 15 18 | 1 32 | 18 42 | 1 11 | 19 8 | 0 44 | 21 41 | 0 23 | 10 1 | 0 30 | 8 35 | 1 51 | 4 16 | 13 31 | 21 44 | 21 28 | 21 34 | 0 10 | 4 33 | S 4 |
| M 5 | 22 15 | 18 31 | 3 30 | 14 55 | 2 59 | 14 53 | 1 30 | 18 31 | 1 11 | 19 4 | 0 44 | 21 41 | 0 23 | 10 1 | 0 30 | 8 35 | 1 51 | 4 16 | 13 31 | 21 44 | 21 28 | 21 33 | 0 11 | 4 33 | M 5 |
| T 6 | 22 7 | 14 43 | 4 22 | 14 40 | 3 12 | 14 28 | 1 28 | 18 20 | 1 11 | 19 1 | 0 44 | 21 42 | 0 23 | 10 1 | 0 30 | 8 35 | 1 51 | 4 16 | 13 31 | 21 43 | 21 27 | 21 33 | 0 11 | 4 33 | T 6 |
| W 7 | 21 59 | 10 5 | 4 56 | 14 28 | 3 25 | 14 2 | 1 27 | 18 9 | 1 10 | 18 58 | 0 44 | 21 43 | 0 23 | 10 1 | 0 30 | 8 35 | 1 51 | 4 16 | 13 32 | 21 42 | 21 27 | 21 32 | 0 11 | 4 33 | W 7 |
| T 8 | 21 50 | 4 59 | 5 9 | 14 17 | 3 38 | 13 35 | 1 25 | 17 58 | 1 10 | 18 54 | 0 44 | 21 44 | 0 23 | 10 1 | 0 30 | 8 35 | 1 51 | 4 16 | 13 32 | 21 41 | 21 26 | 21 31 | 0 11 | 4 33 | T 8 |
| F 9 | 21 41 | 0n12 | 5 4 | 14 8 | 3 50 | 13 9 | 1 23 | 17 47 | 1 10 | 18 51 | 0 44 | 21 45 | 0 23 | 10 1 | 0 30 | 8 35 | 1 51 | 4 16 | 13 32 | 21 40 | 21 25 | 21 30 | 0 12 | 4 34 | F 9 |
| S 10 | 21 31 | 5 13 | 4 41 | 14 1 | 4 1 | 12 42 | 1 21 | 17 36 | 1 10 | 18 48 | 0 44 | 21 46 | 0 23 | 10 2 | 0 30 | 8 35 | 1 51 | 4 16 | 13 32 | 21 39 | 21 25 | 21 29 | 0 12 | 4 34 | S 10 |
| S 11 | 21 21 | 9 49 | 4 5 | 13 57 | 4 12 | 12 15 | 1 19 | 17 24 | 1 10 | 18 44 | 0 44 | 21 47 | 0 23 | 10 2 | 0 29 | 8 36 | 1 51 | 4 16 | 13 33 | 21 39 | 21 24 | 21 29 | 0 12 | 4 34 | S 11 |
| M12 | 21 11 | 13 52 | 3 17 | 13 54 | 4 21 | 11 47 | 1 16 | 17 13 | 1 9 | 18 41 | 0 44 | 21 48 | 0 24 | 10 2 | 0 29 | 8 36 | 1 51 | 4 16 | 13 33 | 21 39 | 21 24 | 21 28 | 0 13 | 4 34 | M12 |
| T 13 | 21 0 | 17 12 | 2 22 | 13 53 | 4 30 | 11 20 | 1 14 | 17 1 | 1 9 | 18 37 | 0 45 | 21 48 | 0 24 | 10 2 | 0 29 | 8 36 | 1 51 | 4 16 | 13 33 | 21 39 | 21 23 | 21 27 | 0 13 | 4 34 | T 13 |
| W14 | 20 49 | 19 44 | 1 21 | 13 55 | 4 37 | 10 52 | 1 12 | 16 49 | 1 9 | 18 34 | 0 45 | 21 49 | 0 24 | 10 3 | 0 29 | 8 36 | 1 51 | 4 16 | 13 33 | 21 39 | 21 23 | 21 26 | 0 14 | 4 34 | W14 |
| T 15 | 20 38 | 21 22 | 0 18 | 13 59 | 4 43 | 10 23 | 1 9 | 16 37 | 1 9 | 18 30 | 0 45 | 21 50 | 0 24 | 10 3 | 0 29 | 8 36 | 1 51 | 4 15 | 13 33 | 21 39 | 21 22 | 21 25 | 0 14 | 4 35 | T 15 |
| F 16 | 20 26 | 22 3 | 0s46 | 14 5 | 4 47 | 9 55 | 1 7 | 16 25 | 1 8 | 18 27 | 0 45 | 21 51 | 0 24 | 10 3 | 0 29 | 8 37 | 1 51 | 4 15 | 13 34 | 21 39 | 21 21 | 21 25 | 0 15 | 4 35 | F 16 |
| S 17 | 20 14 | 21 45 | 1 47 | 14 13 | 4 50 | 9 26 | 1 4 | 16 13 | 1 8 | 18 23 | 0 45 | 21 52 | 0 24 | 10 4 | 0 29 | 8 37 | 1 51 | 4 15 | 13 34 | 21 39 | 21 21 | 21 24 | 0 15 | 4 35 | S 17 |
| S 18 | 20 2 | 20 29 | 2 44 | 14 23 | 4 51 | 8 57 | 1 1 | 16 1 | 1 8 | 18 20 | 0 45 | 21 53 | 0 24 | 10 4 | 0 29 | 8 37 | 1 51 | 4 15 | 13 34 | 21 38 | 21 20 | 21 23 | 0 15 | 4 35 | S 18 |
| M19 | 19 49 | 18 18 | 3 34 | 14 35 | 4 50 | 8 28 | 0 58 | 15 49 | 1 8 | 18 16 | 0 45 | 21 54 | 0 24 | 10 5 | 0 29 | 8 37 | 1 50 | 4 15 | 13 34 | 21 37 | 21 20 | 21 22 | 0 16 | 4 35 | M19 |
| T 20 | 19 36 | 15 20 | 4 14 | 14 48 | 4 47 | 7 58 | 0 56 | 15 36 | 1 7 | 18 13 | 0 45 | 21 54 | 0 24 | 10 5 | 0 29 | 8 37 | 1 50 | 4 15 | 13 35 | 21 36 | 21 19 | 21 21 | 0 17 | 4 35 | T 20 |
| W21 | 19 22 | 11 41 | 4 44 | 15 4 | 4 43 | 7 29 | 0 53 | 15 24 | 1 7 | 18 9 | 0 45 | 21 55 | 0 24 | 10 5 | 0 29 | 8 38 | 1 50 | 4 15 | 13 35 | 21 34 | 21 19 | 21 20 | 0 17 | 4 35 | W21 |
| T 22 | 19 9 | 7 31 | 5 1 | 15 20 | 4 36 | 6 59 | 0 50 | 15 11 | 1 7 | 18 6 | 0 45 | 21 56 | 0 24 | 10 6 | 0 29 | 8 38 | 1 50 | 4 15 | 13 35 | 21 32 | 21 18 | 21 20 | 0 18 | 4 36 | T 22 |
| F 23 | 18 55 | 2 58 | 5 4 | 15 37 | 4 28 | 6 29 | 0 46 | 14 58 | 1 7 | 18 2 | 0 45 | 21 57 | 0 24 | 10 6 | 0 29 | 8 38 | 1 50 | 4 15 | 13 35 | 21 30 | 21 18 | 21 19 | 0 18 | 4 36 | F 23 |
| S 24 | 18 40 | 1s45 | 4 52 | 15 55 | 4 18 | 5 59 | 0 43 | 14 46 | 1 6 | 17 58 | 0 45 | 21 58 | 0 25 | 10 7 | 0 29 | 8 39 | 1 50 | 4 15 | 13 36 | 21 29 | 21 17 | 21 18 | 0 19 | 4 36 | S 24 |
| S 25 | 18 25 | 6 29 | 4 25 | 16 14 | 4 7 | 5 29 | 0 40 | 14 33 | 1 6 | 17 55 | 0 45 | 21 58 | 0 25 | 10 7 | 0 29 | 8 39 | 1 50 | 4 14 | 13 36 | 21 28 | 21 16 | 21 17 | 0 20 | 4 36 | S 25 |
| M26 | 18 10 | 11 1 | 3 43 | 16 33 | 3 54 | 4 59 | 0 37 | 14 20 | 1 6 | 17 51 | 0 45 | 21 59 | 0 25 | 10 8 | 0 29 | 8 39 | 1 50 | 4 14 | 13 36 | 21 27 | 21 16 | 21 16 | 0 20 | 4 36 | M26 |
| T 27 | 17 55 | 15 6 | 2 49 | 16 52 | 3 40 | 4 28 | 0 33 | 14 6 | 1 6 | 17 48 | 0 45 | 22 0 | 0 25 | 10 8 | 0 29 | 8 40 | 1 50 | 4 14 | 13 36 | 21 27 | 21 15 | 21 15 | 0 21 | 4 36 | T 27 |
| W28 | 17 40 | 18 28 | 1 44 | 17 11 | 3 25 | 3 58 | 0 30 | 13 53 | 1 5 | 17 44 | 0 45 | 22 1 | 0 25 | 10 9 | 0 29 | 8 40 | 1 50 | 4 14 | 13 37 | 21 27 | 21 15 | 21 14 | 0 22 | 4 36 | W28 |
| T 29 | 17 24 | 20 50 | 0 31 | 17 29 | 3 10 | 3 27 | 0 26 | 13 40 | 1 5 | 17 40 | 0 45 | 22 2 | 0 25 | 10 9 | 0 29 | 8 40 | 1 50 | 4 14 | 13 37 | 21 27 | 21 14 | 21 14 | 0 22 | 4 36 | T 29 |
| F 30 | 17 8 | 21 55 | 0n45 | 17 46 | 2 53 | 2 56 | 0 23 | 13 26 | 1 5 | 17 36 | 0 46 | 22 2 | 0 25 | 10 10 | 0 29 | 8 41 | 1 50 | 4 14 | 13 37 | 21 27 | 21 14 | 21 13 | 0 23 | 4 37 | F 30 |
| S 31 | 16n51 | 21s33 | 2n 0 | 18n 3 | 2s36 | 2n25 | 0n19 | 13n13 | 1n 4 | 17n33 | 0n46 | 22s 3 | 0s25 | 10s11 | 0n29 | 8s41 | 1n50 | 4n13 | 13s37 | 21s27 | 21s13 | 21n12 | 0s24 | 4n37 | S 31 |

Julian Day Number = 2136528.5, Delta T = 15m51s
Ecliptic obliquity = 23°33'00, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°42'55, Lahiri = 11°49'56 Julian Calendar 1 July 1137 == Greg. Calendar 8 July 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## AUGUST 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 3 29 | 14♌26'55 | 14♉ 9 | 28♋27 | 25♍48 | 28♌41 | 13♌49 | 22°R35 | 27♎31 | 26♎51 | 18♉13 | 6°R 8 | 4♐52 | 2♋ 1 | 18°R17 | S 1 |
| M 2 | 21 7 26 | 15°24'42 | 29° 4 | 28°42 | 26°57 | 29°19 | 14° 2 | 22♉31 | 27°32 | 26°52 | 18°13 | 6♐ 1 | 4°49 | 2° 7 | 18♓15 | M 2 |
| T 3 | 21 11 22 | 16°22'30 | 13♒57 | 29° 6 | 28° 6 | 29°57 | 14°16 | 22°27 | 27°34 | 26°53 | 18°14 | 5°52 | 4°46 | 2°14 | 18°13 | T 3 |
| W 4 | 21 15 19 | 17°20'19 | 28°40 | 29°37 | 29°14 | 0♍35 | 14°29 | 22°23 | 27°36 | 26°54 | 18°14 | 5°42 | 4°43 | 2°21 | 18°11 | W 4 |
| T 5 | 21 19 16 | 18°18'09 | 13♓ 4 | 0♌16 | 0♎23 | 1°14 | 14°42 | 22°19 | 27°38 | 26°55 | 18°14 | 5°31 | 4°39 | 2°27 | 18° 8 | T 5 |
| F 6 | 21 23 12 | 19°16'02 | 27° 3 | 1° 2 | 1°31 | 1°52 | 14°55 | 22°16 | 27°40 | 26°56 | 18°14 | 5°22 | 4°36 | 2°34 | 18° 6 | F 6 |
| S 7 | 21 27 9 | 20°13'56 | 10♈35 | 1°56 | 2°39 | 2°30 | 15° 8 | 22°12 | 27°42 | 26°57 | 18°14 | 5°14 | 4°33 | 2°41 | 18° 4 | S 7 |
| S 8 | 21 31 5 | 21°11'52 | 23°40 | 2°56 | 3°47 | 3° 9 | 15°21 | 22° 8 | 27°44 | 26°58 | 18°14 | 5° 9 | 4°30 | 2°47 | 18° 1 | S 8 |
| M 9 | 21 35 2 | 22° 9'50 | 6♉20 | 4° 4 | 4°55 | 3°47 | 15°34 | 22° 5 | 27°46 | 26°59 | 18°14 | 5° 6 | 4°27 | 2°54 | 17°59 | M 9 |
| T 10 | 21 38 58 | 23° 7'50 | 18°39 | 5°17 | 6° 3 | 4°25 | 15°47 | 22° 1 | 27°48 | 27° 0 | 18°14 | 5°D 5 | 4°24 | 3° 1 | 17°56 | T 10 |
| W11 | 21 42 55 | 24° 5'51 | 0♊42 | 6°37 | 7°11 | 5° 4 | 16° 0 | 21°58 | 27°50 | 27° 2 | 18°14 | 5°R 5 | 4°20 | 3° 7 | 17°54 | W11 |
| T 12 | 21 46 51 | 25° 3'55 | 12°35 | 8° 2 | 8°19 | 5°42 | 16°13 | 21°54 | 27°52 | 27° 3 | 18°R14 | 5° 5 | 4°17 | 3°14 | 17°51 | T 12 |
| F 13 | 21 50 48 | 26° 2'01 | 24°23 | 9°32 | 9°26 | 6°21 | 16°26 | 21°51 | 27°54 | 27° 4 | 18°14 | 5° 4 | 4°14 | 3°21 | 17°49 | F 13 |
| S 14 | 21 54 45 | 27° 0'09 | 6♋12 | 11° 6 | 10°34 | 6°59 | 16°39 | 21°48 | 27°56 | 27° 6 | 18°14 | 5° 1 | 4°11 | 3°27 | 17°46 | S 14 |
| S 15 | 21 58 41 | 27°58'18 | 18° 4 | 12°45 | 11°41 | 7°38 | 16°52 | 21°45 | 27°59 | 27° 7 | 18°14 | 4°55 | 4° 8 | 3°34 | 17°44 | S 15 |
| M16 | 22 2 38 | 28°56'30 | 0♌ 5 | 14°27 | 12°48 | 8°16 | 17° 5 | 21°42 | 28° 1 | 27° 8 | 18°14 | 4°46 | 4° 5 | 3°41 | 17°41 | M16 |
| T 17 | 22 6 34 | 29°54'43 | 12°16 | 16°12 | 13°55 | 8°55 | 17°18 | 21°39 | 28° 3 | 27°10 | 18°14 | 4°34 | 4° 1 | 3°47 | 17°39 | T 17 |
| W18 | 22 10 31 | 0♍52'58 | 24°39 | 17°59 | 15° 2 | 9°33 | 17°31 | 21°36 | 28° 6 | 27°11 | 18°14 | 4°21 | 3°58 | 3°54 | 17°36 | W18 |
| T 19 | 22 14 27 | 1°51'15 | 7♍15 | 19°49 | 16° 9 | 10°12 | 17°44 | 21°33 | 28° 8 | 27°12 | 18°14 | 4° 8 | 3°55 | 4° 1 | 17°33 | T 19 |
| F 20 | 22 18 24 | 2°49'34 | 20° 4 | 21°40 | 17°15 | 10°51 | 17°57 | 21°30 | 28°11 | 27°14 | 18°14 | 3°55 | 3°52 | 4° 7 | 17°31 | F 20 |
| S 21 | 22 22 20 | 3°47'54 | 3♎ 5 | 23°33 | 18°22 | 11°29 | 18°10 | 21°27 | 28°13 | 27°15 | 18°14 | 3°44 | 3°49 | 4°14 | 17°28 | S 21 |
| S 22 | 22 26 17 | 4°46'17 | 16°17 | 25°26 | 19°28 | 12° 8 | 18°23 | 21°25 | 28°16 | 27°17 | 18°13 | 3°35 | 3°45 | 4°21 | 17°25 | S 22 |
| M23 | 22 30 13 | 5°44'41 | 29°40 | 27°20 | 20°34 | 12°47 | 18°36 | 21°22 | 28°18 | 27°18 | 18°13 | 3°30 | 3°42 | 4°27 | 17°22 | M23 |
| T 24 | 22 34 10 | 6°43'06 | 13♏13 | 29°14 | 21°40 | 13°26 | 18°49 | 21°20 | 28°21 | 27°20 | 18°13 | 3°27 | 3°39 | 4°34 | 17°20 | T 24 |
| W25 | 22 38 7 | 7°41'34 | 26°58 | 1♍ 9 | 22°46 | 14° 4 | 19° 1 | 21°17 | 28°24 | 27°22 | 18°13 | 3°26 | 3°36 | 4°41 | 17°17 | W25 |
| T 26 | 22 42 3 | 8°40'03 | 10♐54 | 3° 3 | 23°52 | 14°43 | 19°14 | 21°15 | 28°26 | 27°23 | 18°12 | 3°26 | 3°33 | 4°47 | 17°14 | T 26 |
| F 27 | 22 46 0 | 9°38'33 | 25° 2 | 4°56 | 24°57 | 15°22 | 19°27 | 21°13 | 28°29 | 27°25 | 18°12 | 3°25 | 3°30 | 4°54 | 17°11 | F 27 |
| S 28 | 22 49 56 | 10°37'05 | 9♑20 | 6°50 | 26° 2 | 16° 1 | 19°39 | 21°10 | 28°32 | 27°26 | 18°12 | 3°23 | 3°26 | 5° 1 | 17° 9 | S 28 |
| S 29 | 22 53 53 | 11°35'39 | 23°47 | 8°42 | 27° 7 | 16°40 | 19°52 | 21° 8 | 28°35 | 27°28 | 18°11 | 3°18 | 3°23 | 5° 7 | 17° 6 | S 29 |
| M30 | 22 57 49 | 12°34'15 | 8♒18 | 10°34 | 28°12 | 17°19 | 20° 5 | 21° 6 | 28°37 | 27°30 | 18°11 | 3°11 | 3°20 | 5°14 | 17° 3 | M30 |
| T 31 | 23 1 46 | 13♍32'52 | 22♒48 | 12♍25 | 29♎17 | 17♍58 | 20♌17 | 21♑ 5 | 28♎40 | 27♎32 | 18♉11 | 3♐ 1 | 3♐17 | 5♋21 | 17♓ 0 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n34 | 19s42 | 3n 7 | 18n18 | 2s19 | 1n54 | 0n15 | 12n59 | 1n 4 | 17n29 | 0n46 | 22s 4 | 0s25 | 10s11 | 0n29 | 8s41 | 1n50 | 4n13 | 13s38 | 21s26 | 21s12 | 21n11 | 0s24 | 4n37 |
| M 2 | 16 17 | 16 29 | 4 2 | 18 32 | 2 1 | 1 23 | 0 11 | 12 46 | 1 4 | 17 25 | 0 46 | 22 4 | 0 25 | 10 12 | 0 29 | 8 42 | 1 50 | 4 13 | 13 38 | 21 25 | 21 12 | 21 10 | 0 25 | 4 37 |
| T 3 | 16 0 | 12 14 | 4 41 | 18 45 | 1 44 | 0 52 | 0 7 | 12 32 | 1 4 | 17 21 | 0 46 | 22 5 | 0 25 | 10 13 | 0 29 | 8 42 | 1 50 | 4 13 | 13 38 | 21 23 | 21 11 | 21 9 | 0 26 | 4 37 |
| W 4 | 15 43 | 7 18 | 5 0 | 18 55 | 1 26 | 0 21 | 0 4 | 12 18 | 1 3 | 17 18 | 0 46 | 22 6 | 0 25 | 10 13 | 0 29 | 8 43 | 1 50 | 4 13 | 13 38 | 21 21 | 21 11 | 21 8 | 0 27 | 4 37 |
| T 5 | 15 25 | 2 4 | 5 0 | 19 4 | 1 9 | 0s10 | 0s 0 | 12 4 | 1 3 | 17 14 | 0 46 | 22 7 | 0 25 | 10 14 | 0 29 | 8 43 | 1 49 | 4 12 | 13 39 | 21 19 | 21 10 | 21 7 | 0 28 | 4 37 |
| F 6 | 15 7 | 3n 7 | 4 41 | 19 10 | 0 52 | 0 41 | 0 5 | 11 50 | 1 3 | 17 10 | 0 46 | 22 7 | 0 25 | 10 15 | 0 29 | 8 44 | 1 49 | 4 12 | 13 39 | 21 18 | 21 9 | 21 6 | 0 29 | 4 37 |
| S 7 | 14 48 | 8 0 | 4 7 | 19 14 | 0 36 | 1 12 | 0 9 | 11 36 | 1 2 | 17 6 | 0 46 | 22 8 | 0 26 | 10 15 | 0 29 | 8 44 | 1 49 | 4 12 | 13 39 | 21 16 | 21 9 | 21 6 | 0 29 | 4 37 |
| S 8 | 14 30 | 12 20 | 3 21 | 19 16 | 0 20 | 1 43 | 0 13 | 11 22 | 1 2 | 17 3 | 0 46 | 22 9 | 0 26 | 10 16 | 0 29 | 8 44 | 1 49 | 4 12 | 13 39 | 21 15 | 21 8 | 21 5 | 0 30 | 4 37 |
| M 9 | 14 11 | 16 0 | 2 26 | 19 15 | 0 5 | 2 14 | 0 17 | 11 8 | 1 2 | 16 59 | 0 46 | 22 9 | 0 26 | 10 17 | 0 29 | 8 45 | 1 49 | 4 12 | 13 40 | 21 15 | 21 8 | 21 4 | 0 31 | 4 37 |
| T 10 | 13 52 | 18 50 | 1 26 | 19 11 | 0n 9 | 2 45 | 0 21 | 10 53 | 1 2 | 16 55 | 0 46 | 22 10 | 0 26 | 10 18 | 0 28 | 8 45 | 1 49 | 4 11 | 13 40 | 21 15 | 21 7 | 21 3 | 0 32 | 4 37 |
| W11 | 13 33 | 20 46 | 0 23 | 19 4 | 0 22 | 3 15 | 0 26 | 10 39 | 1 1 | 16 51 | 0 46 | 22 10 | 0 26 | 10 18 | 0 28 | 8 46 | 1 49 | 4 11 | 13 40 | 21 15 | 21 7 | 21 2 | 0 33 | 4 37 |
| T 12 | 13 14 | 21 45 | 0s40 | 18 54 | 0 35 | 3 46 | 0 30 | 10 24 | 1 1 | 16 47 | 0 47 | 22 11 | 0 26 | 10 19 | 0 28 | 8 46 | 1 49 | 4 11 | 13 40 | 21 15 | 21 6 | 21 1 | 0 34 | 4 37 |
| F 13 | 12 54 | 21 45 | 1 40 | 18 41 | 0 46 | 4 17 | 0 35 | 10 10 | 1 1 | 16 43 | 0 47 | 22 12 | 0 26 | 10 20 | 0 28 | 8 47 | 1 49 | 4 11 | 13 41 | 21 15 | 21 5 | 21 0 | 0 35 | 4 38 |
| S 14 | 12 34 | 20 48 | 2 37 | 18 26 | 0 57 | 4 48 | 0 39 | 9 55 | 1 0 | 16 40 | 0 47 | 22 12 | 0 26 | 10 21 | 0 28 | 8 47 | 1 49 | 4 10 | 13 41 | 21 14 | 21 5 | 20 59 | 0 36 | 4 38 |
| S 15 | 12 14 | 18 55 | 3 27 | 18 7 | 1 6 | 5 19 | 0 44 | 9 41 | 1 0 | 16 36 | 0 47 | 22 13 | 0 26 | 10 22 | 0 28 | 8 48 | 1 49 | 4 10 | 13 41 | 21 13 | 21 4 | 20 58 | 0 37 | 4 38 |
| M16 | 11 54 | 16 11 | 4 8 | 17 46 | 1 15 | 5 49 | 0 48 | 9 26 | 1 0 | 16 32 | 0 47 | 22 13 | 0 26 | 10 23 | 0 28 | 8 48 | 1 49 | 4 10 | 13 41 | 21 11 | 21 4 | 20 57 | 0 38 | 4 38 |
| T 17 | 11 33 | 12 45 | 4 38 | 17 22 | 1 22 | 6 19 | 0 53 | 9 11 | 0 59 | 16 28 | 0 47 | 22 14 | 0 26 | 10 23 | 0 28 | 8 49 | 1 49 | 4 10 | 13 42 | 21 9 | 21 3 | 20 56 | 0 39 | 4 38 |
| W18 | 11 13 | 8 43 | 4 56 | 16 55 | 1 29 | 6 50 | 0 57 | 8 56 | 0 59 | 16 24 | 0 47 | 22 14 | 0 26 | 10 24 | 0 28 | 8 50 | 1 49 | 4 9 | 13 42 | 21 7 | 21 2 | 20 55 | 0 40 | 4 38 |
| T 19 | 10 52 | 4 15 | 5 0 | 16 26 | 1 34 | 7 20 | 1 2 | 8 41 | 0 59 | 16 20 | 0 47 | 22 15 | 0 26 | 10 25 | 0 28 | 8 50 | 1 49 | 4 9 | 13 42 | 21 4 | 21 2 | 20 54 | 0 41 | 4 38 |
| F 20 | 10 31 | 0s28 | 4 48 | 15 54 | 1 39 | 7 50 | 1 7 | 8 26 | 0 58 | 16 16 | 0 47 | 22 15 | 0 26 | 10 26 | 0 28 | 8 51 | 1 49 | 4 9 | 13 42 | 21 2 | 21 1 | 20 53 | 0 42 | 4 38 |
| S 21 | 10 10 | 5 14 | 4 22 | 15 21 | 1 42 | 8 20 | 1 11 | 8 11 | 0 58 | 16 12 | 0 47 | 22 16 | 0 26 | 10 27 | 0 28 | 8 51 | 1 49 | 4 8 | 13 43 | 21 0 | 21 1 | 20 52 | 0 43 | 4 38 |
| S 22 | 9 48 | 9 50 | 3 42 | 14 45 | 1 45 | 8 50 | 1 16 | 7 56 | 0 58 | 16 8 | 0 48 | 22 16 | 0 26 | 10 28 | 0 28 | 8 52 | 1 49 | 4 8 | 13 43 | 20 58 | 21 0 | 20 51 | 0 44 | 4 38 |
| M23 | 9 27 | 14 2 | 2 48 | 14 8 | 1 47 | 9 19 | 1 21 | 7 41 | 0 57 | 16 5 | 0 48 | 22 17 | 0 27 | 10 29 | 0 28 | 8 52 | 1 49 | 4 8 | 13 43 | 20 57 | 20 59 | 20 50 | 0 45 | 4 38 |
| T 24 | 9 5 | 17 33 | 1 45 | 13 29 | 1 48 | 9 49 | 1 26 | 7 25 | 0 57 | 16 1 | 0 48 | 22 17 | 0 27 | 10 30 | 0 28 | 8 53 | 1 49 | 4 8 | 13 43 | 20 56 | 20 59 | 20 49 | 0 46 | 4 38 |
| W25 | 8 43 | 20 7 | 0 34 | 12 49 | 1 49 | 10 18 | 1 31 | 7 10 | 0 57 | 15 57 | 0 48 | 22 18 | 0 27 | 10 31 | 0 28 | 8 54 | 1 48 | 4 7 | 13 44 | 20 56 | 20 58 | 20 48 | 0 47 | 4 38 |
| T 26 | 8 21 | 21 32 | 0n39 | 12 7 | 1 48 | 10 47 | 1 35 | 6 55 | 0 56 | 15 53 | 0 48 | 22 18 | 0 27 | 10 32 | 0 28 | 8 54 | 1 48 | 4 7 | 13 44 | 20 56 | 20 58 | 20 47 | 0 48 | 4 38 |
| F 27 | 7 59 | 21 36 | 1 52 | 11 24 | 1 47 | 11 15 | 1 40 | 6 39 | 0 56 | 15 49 | 0 48 | 22 19 | 0 27 | 10 33 | 0 28 | 8 55 | 1 48 | 4 7 | 13 44 | 20 56 | 20 57 | 20 46 | 0 49 | 4 38 |
| S 28 | 7 37 | 20 16 | 2 58 | 10 41 | 1 46 | 11 44 | 1 45 | 6 24 | 0 56 | 15 45 | 0 48 | 22 19 | 0 27 | 10 34 | 0 28 | 8 56 | 1 48 | 4 6 | 13 44 | 20 56 | 20 56 | 20 45 | 0 50 | 4 38 |
| S 29 | 7 15 | 17 37 | 3 53 | 9 57 | 1 44 | 12 12 | 1 50 | 6 8 | 0 55 | 15 41 | 0 48 | 22 19 | 0 27 | 10 35 | 0 28 | 8 56 | 1 48 | 4 6 | 13 45 | 20 55 | 20 56 | 20 44 | 0 51 | 4 38 |
| M30 | 6 52 | 13 52 | 4 33 | 9 12 | 1 41 | 12 40 | 1 55 | 5 53 | 0 55 | 15 37 | 0 48 | 22 20 | 0 27 | 10 36 | 0 28 | 8 57 | 1 48 | 4 6 | 13 45 | 20 53 | 20 55 | 20 43 | 0 53 | 4 38 |
| T 31 | 6n30 | 9s18 | 4n56 | 8n26 | 1n38 | 13s 8 | 2s 0 | 5n37 | 0n55 | 15n33 | 0n49 | 22s20 | 0s27 | 10s37 | 0n28 | 8s57 | 1n48 | 4n 5 | 13s45 | 20s52 | 20s55 | 20n42 | 0s54 | 4n38 |

Julian Day Number = 2136559.5, Delta T = 15m51s
Ecliptic obliquity = 23°33'00, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'00, Lahiri = 11°50'00 Julian Calendar 1 Aug. 1137 == Greg. Calendar 8 Aug. 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## SEPTEMBER 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 5 42 | 14♍31'31 | 7♓11 | 14♍16 | 0♏21 | 18♍37 | 20♌30 | 21°R 3 | 28♎43 | 27♎33 | 18°R10 | 2°R50 | 3♐14 | 5♋27 | 16°R58 | W 1 |
| T 2 | 23 9 39 | 15°30'12 | 21°19 | 16° 5 | 1°25 | 19°16 | 20°42 | 21♑ 1 | 28°46 | 27°35 | 18♉10 | 2♐38 | 3°11 | 5°34 | 16♓55 | T 2 |
| F 3 | 23 13 36 | 16°28'55 | 5♈ 8 | 17°54 | 2°29 | 19°55 | 20°55 | 21° 0 | 28°49 | 27°37 | 18° 9 | 2°28 | 3° 7 | 5°41 | 16°52 | F 3 |
| S 4 | 23 17 32 | 17°27'41 | 18°34 | 19°42 | 3°33 | 20°34 | 21° 7 | 20°58 | 28°52 | 27°39 | 18° 9 | 2°19 | 3° 4 | 5°47 | 16°49 | S 4 |
| S 5 | 23 21 29 | 18°26'28 | 1♉37 | 21°28 | 4°36 | 21°13 | 21°19 | 20°57 | 28°55 | 27°40 | 18° 8 | 2°13 | 3° 1 | 5°54 | 16°46 | S 5 |
| M 6 | 23 25 25 | 19°25'18 | 14°16 | 23°14 | 5°40 | 21°52 | 21°32 | 20°55 | 28°58 | 27°42 | 18° 8 | 2° 9 | 2°58 | 6° 1 | 16°44 | M 6 |
| T 7 | 23 29 22 | 20°24'10 | 26°36 | 24°59 | 6°43 | 22°31 | 21°44 | 20°54 | 29° 1 | 27°44 | 18° 7 | 2° 8 | 2°55 | 6° 7 | 16°41 | T 7 |
| W 8 | 23 33 18 | 21°23'04 | 8♊41 | 26°43 | 7°46 | 23°10 | 21°56 | 20°53 | 29° 5 | 27°46 | 18° 7 | 2°D 8 | 2°51 | 6°14 | 16°38 | W 8 |
| T 9 | 23 37 15 | 22°22'01 | 20°35 | 28°26 | 8°48 | 23°50 | 22° 8 | 20°52 | 29° 8 | 27°48 | 18° 6 | 2°R 8 | 2°48 | 6°21 | 16°35 | T 9 |
| F 10 | 23 41 11 | 23°21'00 | 2♋24 | 0♎ 8 | 9°50 | 24°29 | 22°21 | 20°51 | 29°11 | 27°50 | 18° 6 | 2° 8 | 2°45 | 6°27 | 16°32 | F 10 |
| S 11 | 23 45 8 | 24°20'01 | 14°14 | 1°49 | 10°52 | 25° 8 | 22°33 | 20°50 | 29°14 | 27°52 | 18° 5 | 2° 6 | 2°42 | 6°34 | 16°30 | S 11 |
| S 12 | 23 49 5 | 25°19'05 | 26°10 | 3°30 | 11°54 | 25°47 | 22°45 | 20°50 | 29°17 | 27°54 | 18° 5 | 2° 1 | 2°39 | 6°41 | 16°27 | S 12 |
| M13 | 23 53 1 | 26°18'10 | 8♌15 | 5° 9 | 12°55 | 26°27 | 22°57 | 20°49 | 29°21 | 27°56 | 18° 4 | 1°55 | 2°36 | 6°47 | 16°24 | M13 |
| T 14 | 23 56 58 | 27°17'18 | 20°34 | 6°48 | 13°56 | 27° 6 | 23° 9 | 20°48 | 29°24 | 27°58 | 18° 3 | 1°46 | 2°32 | 6°54 | 16°21 | T 14 |
| W15 | 0 0 54 | 28°16'29 | 3♍ 9 | 8°25 | 14°57 | 27°46 | 23°20 | 20°48 | 29°27 | 28° 0 | 18° 3 | 1°35 | 2°29 | 7° 1 | 16°19 | W15 |
| T 16 | 0 4 51 | 29°15'41 | 16° 0 | 10° 2 | 15°57 | 28°25 | 23°32 | 20°48 | 29°31 | 28° 2 | 18° 2 | 1°24 | 2°26 | 7° 7 | 16°16 | T 16 |
| F 17 | 0 8 47 | 0♎14'56 | 29° 8 | 11°39 | 16°57 | 29° 4 | 23°44 | 20°47 | 29°34 | 28° 4 | 18° 1 | 1°13 | 2°23 | 7°14 | 16°13 | F 17 |
| S 18 | 0 12 44 | 1°14'13 | 12♎31 | 13°14 | 17°57 | 29°44 | 23°56 | 20°47 | 29°37 | 28° 6 | 18° 1 | 1° 3 | 2°20 | 7°21 | 16°11 | S 18 |
| S 19 | 0 16 40 | 2°13'31 | 26° 7 | 14°49 | 18°56 | 0♎24 | 24° 7 | 20°D47 | 29°41 | 28° 8 | 18° 0 | 0°56 | 2°16 | 7°27 | 16° 8 | S 19 |
| M20 | 0 20 37 | 3°12'52 | 9♏53 | 16°23 | 19°55 | 1° 3 | 24°19 | 20°47 | 29°44 | 28°10 | 17°59 | 0°52 | 2°13 | 7°34 | 16° 5 | M20 |
| T 21 | 0 24 33 | 4°12'15 | 23°47 | 17°56 | 20°54 | 1°43 | 24°30 | 20°47 | 29°48 | 28°12 | 17°58 | 0°50 | 2°10 | 7°41 | 16° 3 | T 21 |
| W22 | 0 28 30 | 5°11'39 | 7♐47 | 19°28 | 21°52 | 2°22 | 24°42 | 20°48 | 29°51 | 28°14 | 17°57 | 0°D50 | 2° 7 | 7°47 | 16° 0 | W22 |
| T 23 | 0 32 27 | 6°11'06 | 21°50 | 21° 0 | 22°50 | 3° 2 | 24°53 | 20°48 | 29°55 | 28°16 | 17°57 | 0°51 | 2° 4 | 7°54 | 15°57 | T 23 |
| F 24 | 0 36 23 | 7°10'34 | 5♑57 | 22°31 | 23°47 | 3°42 | 25° 4 | 20°49 | 29°58 | 28°18 | 17°56 | 0°R51 | 2° 1 | 8° 1 | 15°55 | F 24 |
| S 25 | 0 40 20 | 8°10'04 | 20° 6 | 24° 1 | 24°44 | 4°22 | 25°15 | 20°49 | 0♏ 2 | 28°20 | 17°55 | 0°51 | 1°57 | 8° 7 | 15°52 | S 25 |
| S 26 | 0 44 16 | 9° 9'36 | 4♒15 | 25°31 | 25°40 | 5° 1 | 25°27 | 20°50 | 0° 5 | 28°23 | 17°54 | 0°48 | 1°54 | 8°14 | 15°50 | S 26 |
| M27 | 0 48 13 | 10° 9'09 | 18°23 | 27° 0 | 26°36 | 5°41 | 25°38 | 20°51 | 0° 9 | 28°25 | 17°53 | 0°43 | 1°51 | 8°21 | 15°47 | M27 |
| T 28 | 0 52 9 | 11° 8'44 | 2♓26 | 28°28 | 27°31 | 6°21 | 25°49 | 20°52 | 0°12 | 28°27 | 17°53 | 0°37 | 1°48 | 8°27 | 15°45 | T 28 |
| W29 | 0 56 6 | 12° 8'21 | 16°21 | 29°55 | 28°26 | 7° 1 | 25°59 | 20°53 | 0°16 | 28°29 | 17°52 | 0°29 | 1°45 | 8°34 | 15°42 | W29 |
| T 30 | 1 0 2 | 13♎ 8'00 | 0♈ 4 | 1♏22 | 29♏20 | 7♎41 | 26♌10 | 20♑54 | 0♏20 | 28♎31 | 17♉51 | 0♐20 | 1♐42 | 8♋41 | 15♓40 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n 7 | 4s16 | 5n 0 | 7n40 | 1n35 | 13s36 | 2s 5 | 5n22 | 0n54 | 15n30 | 0n49 | 22s20 | 0s27 | 10s38 | 0n28 | 8s58 | 1n48 | 4n 5 | 13s45 | 20s49 | 20s54 | 20n41 | 0s55 | 4n38 |
| T 2 | 5 44 | 0n55 | 4 45 | 6 54 | 1 31 | 14 3 | 2 10 | 5 6 | 0 54 | 15 26 | 0 49 | 22 21 | 0 27 | 10 39 | 0 28 | 8 59 | 1 48 | 4 5 | 13 46 | 20 47 | 20 53 | 20 40 | 0 56 | 4 37 |
| F 3 | 5 22 | 5 56 | 4 14 | 6 8 | 1 26 | 14 30 | 2 15 | 4 50 | 0 54 | 15 22 | 0 49 | 22 21 | 0 27 | 10 40 | 0 28 | 8 59 | 1 48 | 4 4 | 13 46 | 20 45 | 20 53 | 20 39 | 0 57 | 4 37 |
| S 4 | 4 59 | 10 32 | 3 29 | 5 21 | 1 22 | 14 56 | 2 19 | 4 34 | 0 53 | 15 18 | 0 49 | 22 21 | 0 27 | 10 41 | 0 28 | 9 0 | 1 48 | 4 4 | 13 46 | 20 43 | 20 52 | 20 38 | 0 58 | 4 37 |
| S 5 | 4 36 | 14 30 | 2 35 | 4 34 | 1 17 | 15 23 | 2 24 | 4 19 | 0 53 | 15 14 | 0 49 | 22 21 | 0 27 | 10 42 | 0 28 | 9 1 | 1 48 | 4 4 | 13 46 | 20 42 | 20 51 | 20 37 | 0 59 | 4 37 |
| M 6 | 4 12 | 17 41 | 1 33 | 3 47 | 1 11 | 15 49 | 2 29 | 4 3 | 0 53 | 15 10 | 0 49 | 22 22 | 0 27 | 10 44 | 0 28 | 9 2 | 1 48 | 4 3 | 13 46 | 20 41 | 20 51 | 20 36 | 1 0 | 4 37 |
| T 7 | 3 49 | 19 58 | 0 29 | 3 1 | 1 6 | 16 14 | 2 34 | 3 47 | 0 52 | 15 6 | 0 49 | 22 22 | 0 27 | 10 45 | 0 28 | 9 2 | 1 48 | 4 3 | 13 47 | 20 41 | 20 50 | 20 35 | 1 2 | 4 37 |
| W 8 | 3 26 | 21 17 | 0s35 | 2 14 | 1 0 | 16 40 | 2 39 | 3 31 | 0 52 | 15 2 | 0 50 | 22 22 | 0 27 | 10 46 | 0 28 | 9 3 | 1 48 | 4 3 | 13 47 | 20 41 | 20 50 | 20 34 | 1 3 | 4 37 |
| T 9 | 3 3 | 21 36 | 1 37 | 1 27 | 0 54 | 17 5 | 2 44 | 3 15 | 0 51 | 14 59 | 0 50 | 22 22 | 0 27 | 10 47 | 0 28 | 9 4 | 1 48 | 4 2 | 13 47 | 20 41 | 20 49 | 20 33 | 1 4 | 4 37 |
| F 10 | 2 39 | 20 58 | 2 34 | 0 41 | 0 48 | 17 29 | 2 48 | 2 59 | 0 51 | 14 55 | 0 50 | 22 22 | 0 27 | 10 48 | 0 28 | 9 4 | 1 48 | 4 2 | 13 47 | 20 41 | 20 48 | 20 32 | 1 5 | 4 37 |
| S 11 | 2 16 | 19 24 | 3 25 | 0s 5 | 0 42 | 17 54 | 2 53 | 2 43 | 0 51 | 14 51 | 0 50 | 22 23 | 0 27 | 10 49 | 0 28 | 9 5 | 1 48 | 4 2 | 13 47 | 20 41 | 20 48 | 20 31 | 1 6 | 4 37 |
| S 12 | 1 52 | 16 59 | 4 7 | 0 51 | 0 35 | 18 18 | 2 58 | 2 27 | 0 50 | 14 47 | 0 50 | 22 23 | 0 27 | 10 50 | 0 28 | 9 6 | 1 48 | 4 1 | 13 48 | 20 40 | 20 47 | 20 30 | 1 7 | 4 37 |
| M13 | 1 29 | 13 48 | 4 38 | 1 37 | 0 29 | 18 41 | 3 3 | 2 11 | 0 50 | 14 43 | 0 50 | 22 23 | 0 27 | 10 52 | 0 28 | 9 7 | 1 48 | 4 1 | 13 48 | 20 38 | 20 47 | 20 29 | 1 9 | 4 37 |
| T 14 | 1 5 | 10 0 | 4 58 | 2 22 | 0 22 | 19 4 | 3 7 | 1 55 | 0 50 | 14 39 | 0 50 | 22 23 | 0 28 | 10 53 | 0 28 | 9 7 | 1 48 | 4 1 | 13 48 | 20 37 | 20 46 | 20 28 | 1 10 | 4 37 |
| W15 | 0 41 | 5 41 | 5 3 | 3 7 | 0 15 | 19 27 | 3 12 | 1 39 | 0 49 | 14 36 | 0 50 | 22 23 | 0 28 | 10 54 | 0 28 | 9 8 | 1 48 | 4 0 | 13 48 | 20 34 | 20 45 | 20 27 | 1 11 | 4 36 |
| T 16 | 0 18 | 1 2 | 4 54 | 3 52 | 0 9 | 19 49 | 3 16 | 1 23 | 0 49 | 14 32 | 0 51 | 22 23 | 0 28 | 10 55 | 0 28 | 9 9 | 1 48 | 4 0 | 13 48 | 20 32 | 20 45 | 20 26 | 1 12 | 4 36 |
| F 17 | 0s 6 | 3s46 | 4 29 | 4 36 | 0 2 | 20 11 | 3 21 | 1 7 | 0 48 | 14 28 | 0 51 | 22 23 | 0 28 | 10 56 | 0 28 | 9 10 | 1 48 | 3 59 | 13 49 | 20 30 | 20 44 | 20 25 | 1 13 | 4 36 |
| S 18 | 0 30 | 8 28 | 3 48 | 5 20 | 0s 5 | 20 32 | 3 25 | 0 50 | 0 48 | 14 24 | 0 51 | 22 23 | 0 28 | 10 58 | 0 28 | 9 10 | 1 48 | 3 59 | 13 49 | 20 28 | 20 43 | 20 24 | 1 14 | 4 36 |
| S 19 | 0 53 | 12 50 | 2 55 | 6 3 | 0 12 | 20 53 | 3 30 | 0 34 | 0 48 | 14 21 | 0 51 | 22 23 | 0 28 | 10 59 | 0 27 | 9 11 | 1 48 | 3 59 | 13 49 | 20 26 | 20 43 | 20 22 | 1 16 | 4 36 |
| M20 | 1 17 | 16 35 | 1 50 | 6 46 | 0 19 | 21 14 | 3 34 | 0 18 | 0 47 | 14 17 | 0 51 | 22 23 | 0 28 | 11 0 | 0 27 | 9 12 | 1 48 | 3 58 | 13 49 | 20 26 | 20 42 | 20 21 | 1 17 | 4 36 |
| T 21 | 1 41 | 19 25 | 0 38 | 7 28 | 0 26 | 21 34 | 3 38 | 0 2 | 0 47 | 14 13 | 0 51 | 22 23 | 0 28 | 11 1 | 0 27 | 9 13 | 1 48 | 3 58 | 13 49 | 20 25 | 20 41 | 20 20 | 1 18 | 4 36 |
| W22 | 2 4 | 21 6 | 0n37 | 8 10 | 0 33 | 21 54 | 3 42 | 0s14 | 0 46 | 14 10 | 0 52 | 22 23 | 0 28 | 11 3 | 0 27 | 9 13 | 1 48 | 3 58 | 13 50 | 20 25 | 20 41 | 20 19 | 1 19 | 4 35 |
| T 23 | 2 28 | 21 28 | 1 50 | 8 51 | 0 40 | 22 13 | 3 46 | 0 31 | 0 46 | 14 6 | 0 52 | 22 23 | 0 28 | 11 4 | 0 27 | 9 14 | 1 48 | 3 57 | 13 50 | 20 25 | 20 40 | 20 18 | 1 20 | 4 35 |
| F 24 | 2 52 | 20 28 | 2 57 | 9 32 | 0 47 | 22 31 | 3 51 | 0 47 | 0 46 | 14 2 | 0 52 | 22 23 | 0 28 | 11 5 | 0 27 | 9 15 | 1 47 | 3 57 | 13 50 | 20 25 | 20 40 | 20 17 | 1 21 | 4 35 |
| S 25 | 3 15 | 18 12 | 3 53 | 10 12 | 0 54 | 22 50 | 3 54 | 1 3 | 0 45 | 13 59 | 0 52 | 22 23 | 0 28 | 11 6 | 0 27 | 9 16 | 1 47 | 3 57 | 13 50 | 20 25 | 20 39 | 20 16 | 1 22 | 4 35 |
| S 26 | 3 39 | 14 50 | 4 35 | 10 51 | 1 1 | 23 7 | 3 58 | 1 19 | 0 45 | 13 55 | 0 52 | 22 23 | 0 28 | 11 8 | 0 27 | 9 16 | 1 47 | 3 56 | 13 50 | 20 25 | 20 38 | 20 15 | 1 23 | 4 35 |
| M27 | 4 2 | 10 38 | 5 0 | 11 30 | 1 8 | 23 24 | 4 2 | 1 35 | 0 44 | 13 51 | 0 52 | 22 23 | 0 28 | 11 9 | 0 27 | 9 17 | 1 47 | 3 56 | 13 50 | 20 24 | 20 38 | 20 14 | 1 25 | 4 35 |
| T 28 | 4 26 | 5 53 | 5 7 | 12 8 | 1 15 | 23 41 | 4 6 | 1 52 | 0 44 | 13 48 | 0 52 | 22 23 | 0 28 | 11 10 | 0 27 | 9 18 | 1 47 | 3 55 | 13 50 | 20 22 | 20 37 | 20 12 | 1 26 | 4 35 |
| W29 | 4 49 | 0 52 | 4 56 | 12 46 | 1 21 | 23 57 | 4 9 | 2 8 | 0 44 | 13 44 | 0 53 | 22 23 | 0 28 | 11 11 | 0 27 | 9 19 | 1 47 | 3 55 | 13 51 | 20 21 | 20 36 | 20 11 | 1 27 | 4 34 |
| T 30 | 5s13 | 4n 7 | 4n27 | 13s22 | 1s28 | 24s13 | 4s13 | 2s24 | 0n43 | 13n41 | 0n53 | 22s23 | 0s28 | 11s13 | 0n27 | 9s20 | 1n47 | 3n55 | 13s51 | 20s19 | 20s36 | 20n10 | 1s28 | 4n34 |

Julian Day Number = 2136590.5, Delta T = 15m51s
Ecliptic obliquity = 23°33'00, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'04, Lahiri = 11°50'04 Julian Calendar 1 Sept. 1137 == Greg. Calendar 8 Sept. 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## OCTOBER 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 3 59 | 14♎ 7'41 | 13♈32 | 2♏48 | 0♐14 | 8♎21 | 26♌21 | 20♑55 | 0♏23 | 28♎33 | 17°R50 | 0°R13 | 1♐38 | 8♋47 | 15°R38 | F 1 |
| S 2 | 1 7 56 | 15° 7'23 | 26°43 | 4°13 | 1° 7 | 9° 1 | 26°32 | 20°56 | 0°27 | 28°36 | 17♉49 | 0♐ 7 | 1°35 | 8°54 | 15♓35 | S 2 |
| S 3 | 1 11 52 | 16° 7'08 | 9♉34 | 5°37 | 1°59 | 9°41 | 26°42 | 20°58 | 0°31 | 28°38 | 17°48 | 0° 3 | 1°32 | 9° 1 | 15°33 | S 3 |
| M 4 | 1 15 49 | 17° 6'56 | 22° 8 | 7° 1 | 2°51 | 10°21 | 26°53 | 20°59 | 0°34 | 28°40 | 17°47 | 0° 1 | 1°29 | 9° 7 | 15°31 | M 4 |
| T 5 | 1 19 45 | 18° 6'45 | 4♊25 | 8°23 | 3°42 | 11° 1 | 27° 3 | 21° 1 | 0°38 | 28°42 | 17°46 | 0°D 0 | 1°26 | 9°14 | 15°28 | T 5 |
| W 6 | 1 23 42 | 19° 6'36 | 16°29 | 9°45 | 4°32 | 11°41 | 27°13 | 21° 2 | 0°42 | 28°44 | 17°45 | 0° 1 | 1°22 | 9°21 | 15°26 | W 6 |
| T 7 | 1 27 38 | 20° 6'30 | 28°24 | 11° 5 | 5°22 | 12°21 | 27°23 | 21° 4 | 0°45 | 28°47 | 17°44 | 0° 3 | 1°19 | 9°27 | 15°24 | T 7 |
| F 8 | 1 31 35 | 21° 6'26 | 10♋14 | 12°25 | 6°11 | 13° 1 | 27°34 | 21° 6 | 0°49 | 28°49 | 17°43 | 0° 5 | 1°16 | 9°34 | 15°22 | F 8 |
| S 9 | 1 35 31 | 22° 6'24 | 22° 4 | 13°43 | 6°59 | 13°41 | 27°44 | 21° 8 | 0°53 | 28°51 | 17°42 | 0°R 5 | 1°13 | 9°41 | 15°20 | S 9 |
| S 10 | 1 39 28 | 23° 6'25 | 4♌ 0 | 15° 1 | 7°46 | 14°22 | 27°53 | 21°10 | 0°56 | 28°53 | 17°41 | 0° 4 | 1°10 | 9°47 | 15°18 | S 10 |
| M11 | 1 43 25 | 24° 6'27 | 16° 6 | 16°16 | 8°32 | 15° 2 | 28° 3 | 21°12 | 1° 0 | 28°56 | 17°40 | 0° 2 | 1° 7 | 9°54 | 15°16 | M11 |
| T 12 | 1 47 21 | 25° 6'32 | 28°27 | 17°31 | 9°18 | 15°42 | 28°13 | 21°14 | 1° 4 | 28°58 | 17°39 | 29♏58 | 1° 3 | 10° 1 | 15°14 | T 12 |
| W13 | 1 51 18 | 26° 6'38 | 11♍ 7 | 18°43 | 10° 2 | 16°23 | 28°23 | 21°17 | 1° 8 | 29° 0 | 17°38 | 29°53 | 1° 0 | 10° 8 | 15°12 | W13 |
| T 14 | 1 55 14 | 27° 6'47 | 24° 7 | 19°54 | 10°46 | 17° 3 | 28°32 | 21°19 | 1°11 | 29° 2 | 17°37 | 29°48 | 0°57 | 10°14 | 15°10 | T 14 |
| F 15 | 1 59 11 | 28° 6'58 | 7♎29 | 21° 3 | 11°28 | 17°43 | 28°41 | 21°22 | 1°15 | 29° 5 | 17°36 | 29°42 | 0°54 | 10°21 | 15° 8 | F 15 |
| S 16 | 2 3 7 | 29° 7'11 | 21°11 | 22°10 | 12°10 | 18°24 | 28°51 | 21°24 | 1°19 | 29° 7 | 17°35 | 29°38 | 0°51 | 10°28 | 15° 6 | S 16 |
| S 17 | 2 7 4 | 0♏ 7'25 | 5♏10 | 23°14 | 12°50 | 19° 4 | 29° 0 | 21°27 | 1°23 | 29° 9 | 17°34 | 29°34 | 0°47 | 10°34 | 15° 4 | S 17 |
| M18 | 2 11 0 | 1° 7'42 | 19°23 | 24°15 | 13°30 | 19°45 | 29° 9 | 21°30 | 1°26 | 29°11 | 17°33 | 29°32 | 0°44 | 10°41 | 15° 3 | M18 |
| T 19 | 2 14 57 | 2° 8'00 | 3♐44 | 25°14 | 14° 8 | 20°26 | 29°18 | 21°33 | 1°30 | 29°14 | 17°32 | 29°D32 | 0°41 | 10°48 | 15° 1 | T 19 |
| W20 | 2 18 54 | 3° 8'20 | 18° 9 | 26° 8 | 14°45 | 21° 6 | 29°27 | 21°36 | 1°34 | 29°16 | 17°31 | 29°33 | 0°38 | 10°54 | 14°59 | W20 |
| T 21 | 2 22 50 | 4° 8'42 | 2♑33 | 26°59 | 15°20 | 21°47 | 29°35 | 21°39 | 1°38 | 29°18 | 17°30 | 29°34 | 0°35 | 11° 1 | 14°58 | T 21 |
| F 22 | 2 26 47 | 5° 9'05 | 16°53 | 27°45 | 15°55 | 22°28 | 29°44 | 21°42 | 1°41 | 29°20 | 17°28 | 29°36 | 0°32 | 11° 8 | 14°56 | F 22 |
| S 23 | 2 30 43 | 6° 9'29 | 1♒ 6 | 28°27 | 16°27 | 23° 8 | 29°52 | 21°46 | 1°45 | 29°23 | 17°27 | 29°R37 | 0°28 | 11°14 | 14°55 | S 23 |
| S 24 | 2 34 40 | 7° 9'54 | 15° 9 | 29° 3 | 16°59 | 23°49 | 0♍ 1 | 21°49 | 1°49 | 29°25 | 17°26 | 29°37 | 0°25 | 11°21 | 14°53 | S 24 |
| M25 | 2 38 36 | 8°10'21 | 29° 2 | 29°32 | 17°29 | 24°30 | 0° 9 | 21°53 | 1°52 | 29°27 | 17°25 | 29°35 | 0°22 | 11°28 | 14°52 | M25 |
| T 26 | 2 42 33 | 9°10'50 | 12♓43 | 29°55 | 17°57 | 25°11 | 0°17 | 21°56 | 1°56 | 29°29 | 17°24 | 29°33 | 0°19 | 11°34 | 14°51 | T 26 |
| W27 | 2 46 29 | 10°11'19 | 26°12 | 0♐10 | 18°23 | 25°52 | 0°25 | 22° 0 | 2° 0 | 29°32 | 17°23 | 29°31 | 0°16 | 11°41 | 14°49 | W27 |
| T 28 | 2 50 26 | 11°11'50 | 9♈28 | 0°R17 | 18°48 | 26°32 | 0°33 | 22° 3 | 2° 4 | 29°34 | 17°22 | 29°28 | 0°13 | 11°48 | 14°48 | T 28 |
| F 29 | 2 54 22 | 12°12'22 | 22°31 | 0°15 | 19°11 | 27°13 | 0°41 | 22° 7 | 2° 7 | 29°36 | 17°21 | 29°25 | 0° 9 | 11°54 | 14°47 | F 29 |
| S 30 | 2 58 19 | 13°12'56 | 5♉20 | 0° 3 | 19°33 | 27°54 | 0°48 | 22°11 | 2°11 | 29°38 | 17°19 | 29°23 | 0° 6 | 12° 1 | 14°46 | S 30 |
| S 31 | 3 2 16 | 14♏13'32 | 17♉55 | 29♏41 | 19♐52 | 28♎35 | 0♍56 | 22♑15 | 2♏15 | 29♎40 | 17♉18 | 29♏22 | 0♐ 3 | 12♋ 8 | 14♓45 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s36 | 8n48 | 3n44 | 13s58 | 1s34 | 24s28 | 4s16 | 2s40 | 0n43 | 13n37 | 0n53 | 22s23 | 0s28 | 11s14 | 0n27 | 9s20 | 1n47 | 3n54 | 13s51 | 20s17 | 20s35 | 20n 9 | 1s29 | 4n34 |
| S 2 | 5 59 | 12 59 | 2 50 | 14 34 | 1 41 | 24 42 | 4 19 | 2 56 | 0 42 | 13 34 | 0 53 | 22 22 | 0 28 | 11 15 | 0 27 | 9 21 | 1 47 | 3 54 | 13 51 | 20 16 | 20 34 | 20 8 | 1 30 | 4 34 |
| S 3 | 6 22 | 16 28 | 1 48 | 15 8 | 1 47 | 24 56 | 4 22 | 3 13 | 0 42 | 13 30 | 0 53 | 22 22 | 0 28 | 11 17 | 0 27 | 9 22 | 1 47 | 3 54 | 13 51 | 20 15 | 20 34 | 20 7 | 1 31 | 4 34 |
| M 4 | 6 45 | 19 4 | 0 43 | 15 41 | 1 53 | 25 10 | 4 25 | 3 29 | 0 41 | 13 27 | 0 54 | 22 22 | 0 28 | 11 18 | 0 27 | 9 23 | 1 47 | 3 53 | 13 51 | 20 15 | 20 33 | 20 6 | 1 32 | 4 33 |
| T 5 | 7 8 | 20 44 | 0s24 | 16 14 | 1 58 | 25 23 | 4 28 | 3 45 | 0 41 | 13 24 | 0 54 | 22 22 | 0 28 | 11 19 | 0 27 | 9 24 | 1 47 | 3 53 | 13 51 | 20 15 | 20 32 | 20 4 | 1 33 | 4 33 |
| W 6 | 7 31 | 21 24 | 1 28 | 16 46 | 2 4 | 25 35 | 4 31 | 4 1 | 0 41 | 13 20 | 0 54 | 22 22 | 0 28 | 11 21 | 0 27 | 9 24 | 1 47 | 3 52 | 13 52 | 20 15 | 20 32 | 20 3 | 1 34 | 4 33 |
| T 7 | 7 54 | 21 4 | 2 28 | 17 16 | 2 9 | 25 47 | 4 34 | 4 17 | 0 40 | 13 17 | 0 54 | 22 21 | 0 28 | 11 22 | 0 27 | 9 25 | 1 47 | 3 52 | 13 52 | 20 15 | 20 31 | 20 2 | 1 35 | 4 33 |
| F 8 | 8 16 | 19 48 | 3 21 | 17 46 | 2 15 | 25 58 | 4 36 | 4 33 | 0 40 | 13 13 | 0 54 | 22 21 | 0 28 | 11 23 | 0 27 | 9 26 | 1 47 | 3 52 | 13 52 | 20 16 | 20 31 | 20 1 | 1 36 | 4 33 |
| S 9 | 8 39 | 17 41 | 4 6 | 18 15 | 2 20 | 26 9 | 4 38 | 4 49 | 0 39 | 13 10 | 0 54 | 22 21 | 0 28 | 11 24 | 0 27 | 9 27 | 1 47 | 3 51 | 13 52 | 20 16 | 20 30 | 20 0 | 1 37 | 4 32 |
| S 10 | 9 1 | 14 48 | 4 40 | 18 43 | 2 24 | 26 19 | 4 40 | 5 6 | 0 39 | 13 7 | 0 55 | 22 21 | 0 28 | 11 26 | 0 27 | 9 28 | 1 47 | 3 51 | 13 52 | 20 16 | 20 29 | 19 59 | 1 38 | 4 32 |
| M11 | 9 24 | 11 16 | 5 3 | 19 9 | 2 28 | 26 28 | 4 42 | 5 22 | 0 38 | 13 4 | 0 55 | 22 20 | 0 28 | 11 27 | 0 27 | 9 28 | 1 47 | 3 51 | 13 52 | 20 15 | 20 29 | 19 58 | 1 39 | 4 32 |
| T 12 | 9 46 | 7 11 | 5 12 | 19 34 | 2 32 | 26 37 | 4 44 | 5 38 | 0 38 | 13 1 | 0 55 | 22 20 | 0 28 | 11 28 | 0 27 | 9 29 | 1 47 | 3 50 | 13 52 | 20 14 | 20 28 | 19 56 | 1 40 | 4 32 |
| W13 | 10 8 | 2 43 | 5 6 | 19 58 | 2 36 | 26 46 | 4 45 | 5 54 | 0 37 | 12 57 | 0 55 | 22 20 | 0 29 | 11 30 | 0 27 | 9 30 | 1 47 | 3 50 | 13 52 | 20 13 | 20 27 | 19 55 | 1 41 | 4 31 |
| T 14 | 10 30 | 2s 0 | 4 44 | 20 21 | 2 39 | 26 53 | 4 47 | 6 10 | 0 37 | 12 54 | 0 55 | 22 19 | 0 29 | 11 31 | 0 27 | 9 31 | 1 47 | 3 50 | 13 52 | 20 12 | 20 27 | 19 54 | 1 42 | 4 31 |
| F 15 | 10 51 | 6 46 | 4 7 | 20 42 | 2 42 | 27 1 | 4 48 | 6 26 | 0 36 | 12 51 | 0 56 | 22 19 | 0 29 | 11 32 | 0 27 | 9 32 | 1 47 | 3 49 | 13 52 | 20 11 | 20 26 | 19 53 | 1 43 | 4 31 |
| S 16 | 11 13 | 11 18 | 3 15 | 21 2 | 2 44 | 27 7 | 4 49 | 6 41 | 0 36 | 12 48 | 0 56 | 22 19 | 0 29 | 11 34 | 0 27 | 9 32 | 1 47 | 3 49 | 13 52 | 20 10 | 20 25 | 19 52 | 1 44 | 4 31 |
| S 17 | 11 34 | 15 20 | 2 10 | 21 20 | 2 46 | 27 13 | 4 49 | 6 57 | 0 35 | 12 45 | 0 56 | 22 18 | 0 29 | 11 35 | 0 27 | 9 33 | 1 47 | 3 49 | 13 52 | 20 9 | 20 25 | 19 50 | 1 45 | 4 31 |
| M18 | 11 55 | 18 33 | 0 56 | 21 37 | 2 47 | 27 19 | 4 50 | 7 13 | 0 35 | 12 42 | 0 56 | 22 18 | 0 29 | 11 36 | 0 27 | 9 34 | 1 47 | 3 48 | 13 52 | 20 9 | 20 24 | 19 49 | 1 46 | 4 30 |
| T 19 | 12 16 | 20 37 | 0n23 | 21 52 | 2 48 | 27 24 | 4 50 | 7 29 | 0 35 | 12 39 | 0 56 | 22 17 | 0 29 | 11 38 | 0 27 | 9 35 | 1 47 | 3 48 | 13 53 | 20 9 | 20 23 | 19 48 | 1 47 | 4 30 |
| W20 | 12 37 | 21 21 | 1 41 | 22 5 | 2 47 | 27 28 | 4 50 | 7 45 | 0 34 | 12 36 | 0 57 | 22 17 | 0 29 | 11 39 | 0 27 | 9 35 | 1 47 | 3 48 | 13 53 | 20 9 | 20 23 | 19 47 | 1 48 | 4 30 |
| T 21 | 12 58 | 20 40 | 2 52 | 22 16 | 2 46 | 27 32 | 4 49 | 8 0 | 0 34 | 12 33 | 0 57 | 22 16 | 0 29 | 11 40 | 0 27 | 9 36 | 1 47 | 3 47 | 13 53 | 20 9 | 20 22 | 19 46 | 1 48 | 4 30 |
| F 22 | 13 18 | 18 39 | 3 52 | 22 25 | 2 45 | 27 35 | 4 49 | 8 16 | 0 33 | 12 30 | 0 57 | 22 16 | 0 29 | 11 42 | 0 27 | 9 37 | 1 47 | 3 47 | 13 53 | 20 9 | 20 21 | 19 44 | 1 49 | 4 29 |
| S 23 | 13 38 | 15 30 | 4 37 | 22 32 | 2 42 | 27 38 | 4 48 | 8 32 | 0 33 | 12 28 | 0 57 | 22 15 | 0 29 | 11 43 | 0 27 | 9 38 | 1 47 | 3 47 | 13 53 | 20 10 | 20 21 | 19 43 | 1 50 | 4 29 |
| S 24 | 13 58 | 11 30 | 5 5 | 22 37 | 2 38 | 27 40 | 4 46 | 8 47 | 0 32 | 12 25 | 0 58 | 22 15 | 0 29 | 11 44 | 0 27 | 9 39 | 1 47 | 3 46 | 13 53 | 20 10 | 20 20 | 19 42 | 1 51 | 4 29 |
| M25 | 14 18 | 6 56 | 5 15 | 22 38 | 2 33 | 27 41 | 4 45 | 9 3 | 0 32 | 12 22 | 0 58 | 22 14 | 0 29 | 11 45 | 0 27 | 9 39 | 1 47 | 3 46 | 13 53 | 20 9 | 20 19 | 19 41 | 1 52 | 4 28 |
| T 26 | 14 37 | 2 5 | 5 7 | 22 37 | 2 27 | 27 42 | 4 43 | 9 18 | 0 31 | 12 20 | 0 58 | 22 14 | 0 29 | 11 47 | 0 27 | 9 40 | 1 47 | 3 46 | 13 53 | 20 9 | 20 19 | 19 39 | 1 52 | 4 28 |
| W27 | 14 56 | 2n47 | 4 42 | 22 34 | 2 20 | 27 42 | 4 41 | 9 34 | 0 31 | 12 17 | 0 58 | 22 13 | 0 29 | 11 48 | 0 27 | 9 41 | 1 47 | 3 45 | 13 53 | 20 8 | 20 18 | 19 38 | 1 53 | 4 28 |
| T 28 | 15 15 | 7 28 | 4 2 | 22 26 | 2 11 | 27 42 | 4 38 | 9 49 | 0 30 | 12 14 | 0 58 | 22 13 | 0 29 | 11 49 | 0 27 | 9 42 | 1 47 | 3 45 | 13 53 | 20 8 | 20 17 | 19 37 | 1 54 | 4 28 |
| F 29 | 15 34 | 11 44 | 3 10 | 22 16 | 2 1 | 27 41 | 4 35 | 10 4 | 0 30 | 12 12 | 0 59 | 22 12 | 0 29 | 11 51 | 0 27 | 9 42 | 1 47 | 3 45 | 13 53 | 20 7 | 20 17 | 19 36 | 1 55 | 4 27 |
| S 30 | 15 53 | 15 23 | 2 9 | 22 2 | 1 49 | 27 39 | 4 32 | 10 20 | 0 29 | 12 9 | 0 59 | 22 11 | 0 29 | 11 52 | 0 27 | 9 43 | 1 47 | 3 45 | 13 53 | 20 7 | 20 16 | 19 35 | 1 55 | 4 27 |
| S 31 | 16s11 | 18n15 | 1n 3 | 21s44 | 1s36 | 27s37 | 4s28 | 10s35 | 0n29 | 12n 7 | 0n59 | 22s11 | 0s29 | 11s53 | 0n27 | 9s44 | 1n47 | 3n44 | 13s53 | 20s 6 | 20s15 | 19n33 | 1s56 | 4n27 |

Julian Day Number = 2136620.5, Delta T = 15m51s
Ecliptic obliquity = 23°33'00, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'08, Lahiri = 11°50'08 Julian Calendar 1 Oct. 1137 == Greg. Calendar 8 Oct. 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## NOVEMBER 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 6 12 | 15♏14'09 | 0♊17 | 29°R 8 | 20♐ 9 | 29♎16 | 1♍ 3 | 22♑19 | 2♏18 | 29♎43 | 17°R17 | 29°D22 | 29♏59 | 12♋14 | 14°R44 | M 1 |
| T 2 | 3 10 9 | 16°14'47 | 12°27 | 28♏25 | 20°25 | 29°58 | 1°10 | 22°23 | 2°22 | 29°45 | 17♉16 | 29♏22 | 29°57 | 12°21 | 14♓43 | T 2 |
| W 3 | 3 14 5 | 17°15'27 | 24°28 | 27°32 | 20°38 | 0♏39 | 1°17 | 22°28 | 2°26 | 29°47 | 17°15 | 29°23 | 29°53 | 12°28 | 14°42 | W 3 |
| T 4 | 3 18 2 | 18°16'09 | 6♋21 | 26°29 | 20°49 | 1°20 | 1°24 | 22°32 | 2°29 | 29°49 | 17°14 | 29°24 | 29°50 | 12°34 | 14°41 | T 4 |
| F 5 | 3 21 58 | 19°16'52 | 18°11 | 25°18 | 20°58 | 2° 1 | 1°31 | 22°36 | 2°33 | 29°51 | 17°13 | 29°25 | 29°47 | 12°41 | 14°40 | F 5 |
| S 6 | 3 25 55 | 20°17'37 | 0♌ 1 | 24° 1 | 21° 4 | 2°42 | 1°37 | 22°41 | 2°37 | 29°53 | 17°12 | 29°26 | 29°44 | 12°48 | 14°39 | S 6 |
| S 7 | 3 29 52 | 21°18'23 | 11°55 | 22°40 | 21° 9 | 3°24 | 1°44 | 22°45 | 2°40 | 29°56 | 17°10 | 29°27 | 29°41 | 12°54 | 14°39 | S 7 |
| M 8 | 3 33 48 | 22°19'11 | 24° 0 | 21°17 | 21°R11 | 4° 5 | 1°50 | 22°50 | 2°44 | 29°58 | 17° 9 | 29°R27 | 29°38 | 13° 1 | 14°38 | M 8 |
| T 9 | 3 37 45 | 23°20'01 | 6♍18 | 19°57 | 21°10 | 4°46 | 1°56 | 22°55 | 2°47 | 29°59 | 17° 8 | 29°27 | 29°34 | 13° 8 | 14°37 | T 9 |
| W10 | 3 41 41 | 24°20'52 | 18°55 | 18°40 | 21° 7 | 5°28 | 2° 2 | 22°59 | 2°51 | 0♏ 2 | 17° 7 | 29°26 | 29°31 | 13°15 | 14°37 | W10 |
| T 11 | 3 45 38 | 25°21'44 | 1♎54 | 17°30 | 21° 2 | 6° 9 | 2° 8 | 23° 4 | 2°55 | 0° 4 | 17° 6 | 29°26 | 29°28 | 13°21 | 14°36 | T 11 |
| F 12 | 3 49 34 | 26°22'38 | 15°17 | 16°29 | 20°54 | 6°51 | 2°14 | 23° 9 | 2°58 | 0° 6 | 17° 5 | 29°25 | 29°25 | 13°28 | 14°36 | F 12 |
| S 13 | 3 53 31 | 27°23'33 | 29° 6 | 15°37 | 20°44 | 7°32 | 2°19 | 23°14 | 3° 2 | 0° 8 | 17° 4 | 29°25 | 29°22 | 13°35 | 14°35 | S 13 |
| S 14 | 3 57 27 | 28°24'29 | 13♏19 | 14°57 | 20°31 | 8°14 | 2°24 | 23°19 | 3° 5 | 0°10 | 17° 3 | 29°25 | 29°19 | 13°41 | 14°35 | S 14 |
| M15 | 4 1 24 | 29°25'27 | 27°52 | 14°28 | 20°16 | 8°55 | 2°30 | 23°24 | 3° 9 | 0°12 | 17° 1 | 29°25 | 29°15 | 13°48 | 14°35 | M15 |
| T 16 | 4 5 21 | 0♐26'26 | 12♐38 | 14°11 | 19°59 | 9°37 | 2°35 | 23°29 | 3°12 | 0°14 | 17° 0 | 29°25 | 29°12 | 13°55 | 14°35 | T 16 |
| W17 | 4 9 17 | 1°27'26 | 27°31 | 14°D 5 | 19°39 | 10°19 | 2°39 | 23°35 | 3°15 | 0°16 | 16°59 | 29°25 | 29° 9 | 14° 1 | 14°34 | W17 |
| T 18 | 4 13 14 | 2°28'26 | 12♑23 | 14° 9 | 19°17 | 11° 0 | 2°44 | 23°40 | 3°19 | 0°18 | 16°58 | 29°24 | 29° 6 | 14° 8 | 14°34 | T 18 |
| F 19 | 4 17 10 | 3°29'27 | 27° 7 | 14°23 | 18°53 | 11°42 | 2°49 | 23°45 | 3°22 | 0°20 | 16°57 | 29°24 | 29° 3 | 14°15 | 14°D34 | F 19 |
| S 20 | 4 21 7 | 4°30'29 | 11♒36 | 14°46 | 18°26 | 12°24 | 2°53 | 23°51 | 3°26 | 0°22 | 16°56 | 29°24 | 28°59 | 14°21 | 14°34 | S 20 |
| S 21 | 4 25 3 | 5°31'32 | 25°47 | 15°17 | 17°58 | 13° 6 | 2°57 | 23°56 | 3°29 | 0°24 | 16°55 | 29°23 | 28°56 | 14°28 | 14°34 | S 21 |
| M22 | 4 29 0 | 6°32'35 | 9♓38 | 15°55 | 17°28 | 13°47 | 3° 1 | 24° 2 | 3°32 | 0°26 | 16°54 | 29°D23 | 28°53 | 14°35 | 14°35 | M22 |
| T 23 | 4 32 56 | 7°33'38 | 23° 9 | 16°39 | 16°56 | 14°29 | 3° 5 | 24° 8 | 3°36 | 0°28 | 16°53 | 29°23 | 28°50 | 14°41 | 14°35 | T 23 |
| W24 | 4 36 53 | 8°34'42 | 6♈22 | 17°30 | 16°23 | 15°11 | 3° 9 | 24°13 | 3°39 | 0°30 | 16°52 | 29°24 | 28°47 | 14°48 | 14°35 | W24 |
| T 25 | 4 40 50 | 9°35'46 | 19°18 | 18°25 | 15°49 | 15°53 | 3°12 | 24°19 | 3°42 | 0°32 | 16°51 | 29°25 | 28°44 | 14°55 | 14°35 | T 25 |
| F 26 | 4 44 46 | 10°36'51 | 1♉59 | 19°24 | 15°14 | 16°35 | 3°15 | 24°25 | 3°45 | 0°33 | 16°50 | 29°26 | 28°40 | 15° 1 | 14°36 | F 26 |
| S 27 | 4 48 43 | 11°37'56 | 14°27 | 20°28 | 14°38 | 17°17 | 3°18 | 24°31 | 3°48 | 0°35 | 16°49 | 29°27 | 28°37 | 15° 8 | 14°36 | S 27 |
| S 28 | 4 52 39 | 12°39'02 | 26°45 | 21°35 | 14° 2 | 17°59 | 3°21 | 24°37 | 3°52 | 0°37 | 16°48 | 29°R27 | 28°34 | 15°15 | 14°37 | S 28 |
| M29 | 4 56 36 | 13°40'09 | 8♊53 | 22°44 | 13°25 | 18°41 | 3°24 | 24°43 | 3°55 | 0°39 | 16°47 | 29°27 | 28°31 | 15°22 | 14°37 | M29 |
| T 30 | 5 0 32 | 14♐41'15 | 20♊54 | 23♏57 | 12♐48 | 19♏24 | 3♍27 | 24♑49 | 3♏58 | 0♏41 | 16♉46 | 29♏26 | 28♏28 | 15♋28 | 14♓38 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s29 | 20n13 | 0s 5 | 21s22 | 1s21 | 27s34 | 4s24 | 10s50 | 0n28 | 12n 5 | 0n59 | 22s10 | 0s29 | 11s54 | 0n27 | 9s45 | 1n47 | 3n44 | 13s53 | 20s 6 | 20s15 | 19n32 | 1s57 | 4n27 |
| T 2 | 16 46 | 21 12 | 1 12 | 20 57 | 1 4 | 27 31 | 4 19 | 11 5 | 0 27 | 12 2 | 1 0 | 22 10 | 0 29 | 11 56 | 0 27 | 9 46 | 1 47 | 3 44 | 13 53 | 20 6 | 20 14 | 19 31 | 1 57 | 4 26 |
| W 3 | 17 4 | 21 11 | 2 15 | 20 27 | 0 46 | 27 27 | 4 14 | 11 20 | 0 27 | 12 0 | 1 0 | 22 9 | 0 29 | 11 57 | 0 27 | 9 46 | 1 47 | 3 43 | 13 53 | 20 7 | 20 13 | 19 29 | 1 58 | 4 26 |
| T 4 | 17 21 | 20 13 | 3 11 | 19 54 | 0 27 | 27 22 | 4 9 | 11 35 | 0 26 | 11 58 | 1 0 | 22 8 | 0 29 | 11 58 | 0 27 | 9 47 | 1 47 | 3 43 | 13 53 | 20 7 | 20 13 | 19 28 | 1 58 | 4 26 |
| F 5 | 17 38 | 18 22 | 3 59 | 19 17 | 0 7 | 27 17 | 4 3 | 11 49 | 0 26 | 11 55 | 1 0 | 22 8 | 0 29 | 11 59 | 0 27 | 9 48 | 1 48 | 3 43 | 13 53 | 20 7 | 20 12 | 19 27 | 1 59 | 4 25 |
| S 6 | 17 54 | 15 44 | 4 37 | 18 39 | 0n14 | 27 11 | 3 56 | 12 4 | 0 25 | 11 53 | 1 1 | 22 7 | 0 29 | 12 1 | 0 27 | 9 48 | 1 48 | 3 43 | 13 53 | 20 7 | 20 11 | 19 26 | 2 0 | 4 25 |
| S 7 | 18 10 | 12 27 | 5 3 | 17 58 | 0 34 | 27 4 | 3 49 | 12 19 | 0 25 | 11 51 | 1 1 | 22 6 | 0 29 | 12 2 | 0 27 | 9 49 | 1 48 | 3 42 | 13 53 | 20 7 | 20 11 | 19 24 | 2 0 | 4 25 |
| M 8 | 18 26 | 8 37 | 5 16 | 17 18 | 0 54 | 26 57 | 3 42 | 12 33 | 0 24 | 11 49 | 1 1 | 22 5 | 0 29 | 12 3 | 0 27 | 9 50 | 1 48 | 3 42 | 13 52 | 20 8 | 20 10 | 19 23 | 2 1 | 4 25 |
| T 9 | 18 42 | 4 21 | 5 15 | 16 38 | 1 13 | 26 49 | 3 34 | 12 48 | 0 24 | 11 47 | 1 1 | 22 5 | 0 29 | 12 4 | 0 27 | 9 51 | 1 48 | 3 42 | 13 52 | 20 7 | 20 9 | 19 22 | 2 1 | 4 24 |
| W10 | 18 57 | 0s11 | 4 59 | 16 0 | 1 31 | 26 40 | 3 25 | 13 2 | 0 23 | 11 45 | 1 2 | 22 4 | 0 29 | 12 6 | 0 27 | 9 51 | 1 48 | 3 42 | 13 52 | 20 7 | 20 8 | 19 21 | 2 2 | 4 24 |
| T 11 | 19 12 | 4 51 | 4 28 | 15 25 | 1 47 | 26 30 | 3 16 | 13 17 | 0 23 | 11 43 | 1 2 | 22 3 | 0 29 | 12 7 | 0 27 | 9 52 | 1 48 | 3 41 | 13 52 | 20 7 | 20 8 | 19 19 | 2 2 | 4 24 |
| F 12 | 19 26 | 9 27 | 3 41 | 14 54 | 2 1 | 26 20 | 3 6 | 13 31 | 0 22 | 11 42 | 1 2 | 22 2 | 0 29 | 12 8 | 0 27 | 9 53 | 1 48 | 3 41 | 13 52 | 20 7 | 20 7 | 19 18 | 2 3 | 4 23 |
| S 13 | 19 40 | 13 42 | 2 41 | 14 28 | 2 13 | 26 9 | 2 56 | 13 45 | 0 22 | 11 40 | 1 2 | 22 1 | 0 30 | 12 9 | 0 27 | 9 53 | 1 48 | 3 41 | 13 52 | 20 7 | 20 6 | 19 17 | 2 3 | 4 23 |
| S 14 | 19 54 | 17 19 | 1 28 | 14 7 | 2 23 | 25 57 | 2 45 | 13 59 | 0 21 | 11 38 | 1 3 | 22 1 | 0 30 | 12 10 | 0 27 | 9 54 | 1 48 | 3 41 | 13 52 | 20 7 | 20 6 | 19 15 | 2 3 | 4 23 |
| M15 | 20 7 | 19 55 | 0 9 | 13 52 | 2 30 | 25 45 | 2 34 | 14 13 | 0 20 | 11 37 | 1 3 | 22 0 | 0 30 | 12 12 | 0 27 | 9 55 | 1 48 | 3 41 | 13 52 | 20 7 | 20 5 | 19 14 | 2 4 | 4 23 |
| T 16 | 20 20 | 21 13 | 1n13 | 13 41 | 2 36 | 25 32 | 2 22 | 14 27 | 0 20 | 11 35 | 1 3 | 21 59 | 0 30 | 12 13 | 0 27 | 9 56 | 1 48 | 3 40 | 13 52 | 20 7 | 20 4 | 19 13 | 2 4 | 4 22 |
| W17 | 20 33 | 21 2 | 2 30 | 13 36 | 2 40 | 25 18 | 2 10 | 14 40 | 0 19 | 11 34 | 1 3 | 21 58 | 0 30 | 12 14 | 0 27 | 9 56 | 1 48 | 3 40 | 13 52 | 20 7 | 20 4 | 19 12 | 2 4 | 4 22 |
| T 18 | 20 45 | 19 22 | 3 37 | 13 35 | 2 42 | 25 3 | 1 57 | 14 54 | 0 19 | 11 32 | 1 4 | 21 57 | 0 30 | 12 15 | 0 27 | 9 57 | 1 48 | 3 40 | 13 52 | 20 7 | 20 3 | 19 10 | 2 5 | 4 22 |
| F 19 | 20 57 | 16 26 | 4 29 | 13 39 | 2 42 | 24 48 | 1 44 | 15 8 | 0 18 | 11 31 | 1 4 | 21 56 | 0 30 | 12 16 | 0 27 | 9 57 | 1 48 | 3 40 | 13 52 | 20 7 | 20 2 | 19 9 | 2 5 | 4 21 |
| S 20 | 21 8 | 12 32 | 5 2 | 13 47 | 2 41 | 24 32 | 1 30 | 15 21 | 0 18 | 11 29 | 1 4 | 21 55 | 0 30 | 12 17 | 0 27 | 9 58 | 1 48 | 3 40 | 13 51 | 20 7 | 20 2 | 19 8 | 2 5 | 4 21 |
| S 21 | 21 19 | 8 1 | 5 17 | 13 57 | 2 39 | 24 15 | 1 16 | 15 34 | 0 17 | 11 28 | 1 4 | 21 54 | 0 30 | 12 19 | 0 27 | 9 59 | 1 48 | 3 39 | 13 51 | 20 7 | 20 1 | 19 6 | 2 6 | 4 21 |
| M22 | 21 30 | 3 10 | 5 13 | 14 11 | 2 36 | 23 58 | 1 1 | 15 47 | 0 16 | 11 27 | 1 5 | 21 54 | 0 30 | 12 20 | 0 27 | 9 59 | 1 48 | 3 39 | 13 51 | 20 7 | 20 0 | 19 5 | 2 6 | 4 20 |
| T 23 | 21 40 | 1n43 | 4 51 | 14 28 | 2 32 | 23 40 | 0 46 | 16 0 | 0 16 | 11 26 | 1 5 | 21 53 | 0 30 | 12 21 | 0 27 | 10 0 | 1 48 | 3 39 | 13 51 | 20 7 | 19 59 | 19 4 | 2 6 | 4 20 |
| W24 | 21 50 | 6 25 | 4 14 | 14 46 | 2 27 | 23 22 | 0 31 | 16 13 | 0 15 | 11 25 | 1 5 | 21 52 | 0 30 | 12 22 | 0 27 | 10 1 | 1 48 | 3 39 | 13 51 | 20 7 | 19 59 | 19 2 | 2 6 | 4 20 |
| T 25 | 22 0 | 10 45 | 3 25 | 15 7 | 2 22 | 23 3 | 0 16 | 16 26 | 0 15 | 11 24 | 1 5 | 21 51 | 0 30 | 12 23 | 0 27 | 10 1 | 1 48 | 3 39 | 13 51 | 20 7 | 19 58 | 19 1 | 2 6 | 4 20 |
| F 26 | 22 8 | 14 30 | 2 27 | 15 29 | 2 16 | 22 44 | 0 0 | 16 39 | 0 14 | 11 23 | 1 6 | 21 50 | 0 30 | 12 24 | 0 27 | 10 2 | 1 48 | 3 39 | 13 51 | 20 7 | 19 57 | 19 0 | 2 6 | 4 19 |
| S 27 | 22 17 | 17 33 | 1 22 | 15 52 | 2 10 | 22 24 | 0n15 | 16 51 | 0 13 | 11 22 | 1 6 | 21 49 | 0 30 | 12 25 | 0 27 | 10 2 | 1 48 | 3 39 | 13 50 | 20 8 | 19 57 | 18 58 | 2 7 | 4 19 |
| S 28 | 22 25 | 19 46 | 0 15 | 16 16 | 2 3 | 22 5 | 0 31 | 17 4 | 0 13 | 11 21 | 1 6 | 21 48 | 0 30 | 12 26 | 0 27 | 10 3 | 1 48 | 3 39 | 13 50 | 20 8 | 19 56 | 18 57 | 2 7 | 4 19 |
| M29 | 22 33 | 21 2 | 0s52 | 16 40 | 1 56 | 21 45 | 0 47 | 17 16 | 0 12 | 11 20 | 1 7 | 21 47 | 0 30 | 12 27 | 0 27 | 10 4 | 1 48 | 3 38 | 13 50 | 20 8 | 19 55 | 18 56 | 2 7 | 4 18 |
| T 30 | 22s40 | 21n18 | 1s56 | 17s 5 | 1n49 | 21s25 | 1n 2 | 17s28 | 0n12 | 11n20 | 1n 7 | 21s46 | 0s30 | 12s28 | 0n27 | 10s 4 | 1n48 | 3n38 | 13s50 | 20s 7 | 19s55 | 18n54 | 2s 7 | 4n18 |

Julian Day Number = 2136651.5, Delta T = 15m50s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'12, Lahiri = 11°50'13 Julian Calendar 1 Nov. 1137 == Greg. Calendar 8 Nov. 1137


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# ASTRODIENST EPHEMERIS for the year 1137
# geocentric

## DECEMBER 1137 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 4 29 | 15♐42'23 | 2♋50 | 25♏11 | 12°R12 | 20♏ 6 | 3♍29 | 24♑55 | 4♏ 1 | 0♏42 | 16°R45 | 29°R24 | 28♏25 | 15♋35 | 14♓38 | W 1 |
| T 2 | 5 8 25 | 16°43'31 | 14°41 | 26°27 | 11♐36 | 20°48 | 3°31 | 25° 1 | 4° 4 | 0°44 | 16♉44 | 29♏22 | 28°21 | 15°42 | 14°39 | T 2 |
| F 3 | 5 12 22 | 17°44'40 | 26°31 | 27°46 | 11° 2 | 21°30 | 3°33 | 25° 7 | 4° 7 | 0°46 | 16°43 | 29°19 | 28°18 | 15°48 | 14°40 | F 3 |
| S 4 | 5 16 19 | 18°45'49 | 8♌22 | 29° 5 | 10°28 | 22°13 | 3°35 | 25°13 | 4°10 | 0°47 | 16°42 | 29°15 | 28°15 | 15°55 | 14°41 | S 4 |
| S 5 | 5 20 15 | 19°46'58 | 20°17 | 0♐26 | 9°55 | 22°55 | 3°37 | 25°20 | 4°13 | 0°49 | 16°41 | 29°13 | 28°12 | 16° 2 | 14°42 | S 5 |
| M 6 | 5 24 12 | 20°48'09 | 2♍20 | 1°49 | 9°24 | 23°37 | 3°38 | 25°26 | 4°15 | 0°51 | 16°40 | 29°10 | 28° 9 | 16° 8 | 14°43 | M 6 |
| T 7 | 5 28 8 | 21°49'19 | 14°34 | 3°12 | 8°55 | 24°20 | 3°39 | 25°32 | 4°18 | 0°52 | 16°39 | 29° 9 | 28° 5 | 16°15 | 14°44 | T 7 |
| W 8 | 5 32 5 | 22°50'30 | 27° 5 | 4°36 | 8°27 | 25° 2 | 3°40 | 25°39 | 4°21 | 0°54 | 16°38 | 29°D 9 | 28° 2 | 16°22 | 14°45 | W 8 |
| T 9 | 5 36 1 | 23°51'42 | 9♎57 | 6° 1 | 8° 2 | 25°45 | 3°41 | 25°45 | 4°24 | 0°55 | 16°37 | 29°10 | 27°59 | 16°28 | 14°46 | T 9 |
| F 10 | 5 39 58 | 24°52'54 | 23°12 | 7°27 | 7°38 | 26°27 | 3°42 | 25°52 | 4°27 | 0°57 | 16°36 | 29°11 | 27°56 | 16°35 | 14°47 | F 10 |
| S 11 | 5 43 54 | 25°54'07 | 6♏55 | 8°54 | 7°17 | 27°10 | 3°42 | 25°58 | 4°29 | 0°58 | 16°36 | 29°13 | 27°53 | 16°42 | 14°48 | S 11 |
| S 12 | 5 47 51 | 26°55'20 | 21° 5 | 10°21 | 6°58 | 27°52 | 3°43 | 26° 5 | 4°32 | 1° 0 | 16°35 | 29°14 | 27°50 | 16°49 | 14°49 | S 12 |
| M13 | 5 51 48 | 27°56'33 | 5♐42 | 11°49 | 6°42 | 28°35 | 3°R43 | 26°11 | 4°35 | 1° 1 | 16°34 | 29°R14 | 27°46 | 16°55 | 14°51 | M13 |
| T 14 | 5 55 44 | 28°57'47 | 20°39 | 13°17 | 6°28 | 29°18 | 3°43 | 26°18 | 4°37 | 1° 3 | 16°33 | 29°13 | 27°43 | 17° 2 | 14°52 | T 14 |
| W15 | 5 59 41 | 29°59'00 | 5♑50 | 14°46 | 6°16 | 0♐ 1 | 3°42 | 26°25 | 4°40 | 1° 4 | 16°32 | 29°10 | 27°40 | 17° 9 | 14°53 | W15 |
| T 16 | 6 3 37 | 1♑ 0'13 | 21° 4 | 16°15 | 6° 7 | 0°43 | 3°42 | 26°31 | 4°42 | 1° 5 | 16°32 | 29° 5 | 27°37 | 17°15 | 14°55 | T 16 |
| F 17 | 6 7 34 | 2° 1'27 | 6♒11 | 17°45 | 6° 1 | 1°26 | 3°41 | 26°38 | 4°45 | 1° 7 | 16°31 | 29° 0 | 27°34 | 17°22 | 14°56 | F 17 |
| S 18 | 6 11 30 | 3° 2'39 | 21° 2 | 19°16 | 5°56 | 2° 9 | 3°40 | 26°45 | 4°47 | 1° 8 | 16°30 | 28°56 | 27°31 | 17°29 | 14°58 | S 18 |
| S 19 | 6 15 27 | 4° 3'52 | 5♓30 | 20°46 | 5°D55 | 2°52 | 3°39 | 26°52 | 4°49 | 1° 9 | 16°29 | 28°51 | 27°27 | 17°35 | 15° 0 | S 19 |
| M20 | 6 19 23 | 5° 5'03 | 19°32 | 22°18 | 5°56 | 3°35 | 3°38 | 26°58 | 4°52 | 1°10 | 16°29 | 28°49 | 27°24 | 17°42 | 15° 1 | M20 |
| T 21 | 6 23 20 | 6° 6'14 | 3♈ 6 | 23°49 | 5°59 | 4°18 | 3°36 | 27° 5 | 4°54 | 1°12 | 16°28 | 28°D47 | 27°21 | 17°49 | 15° 3 | T 21 |
| W22 | 6 27 17 | 7° 7'25 | 16°16 | 25°22 | 6° 4 | 5° 1 | 3°35 | 27°12 | 4°56 | 1°13 | 16°27 | 28°48 | 27°18 | 17°55 | 15° 5 | W22 |
| T 23 | 6 31 13 | 8° 8'35 | 29° 3 | 26°54 | 6°12 | 5°44 | 3°33 | 27°19 | 4°58 | 1°14 | 16°27 | 28°49 | 27°15 | 18° 2 | 15° 7 | T 23 |
| F 24 | 6 35 10 | 9° 9'44 | 11♉31 | 28°27 | 6°22 | 6°27 | 3°31 | 27°26 | 5° 1 | 1°15 | 16°26 | 28°51 | 27°11 | 18° 9 | 15° 9 | F 24 |
| S 25 | 6 39 6 | 10°10'53 | 23°46 | 0♑ 1 | 6°34 | 7°10 | 3°28 | 27°33 | 5° 3 | 1°16 | 16°25 | 28°R52 | 27° 8 | 18°16 | 15°11 | S 25 |
| S 26 | 6 43 3 | 11°12'01 | 5♊51 | 1°35 | 6°49 | 7°53 | 3°26 | 27°40 | 5° 5 | 1°17 | 16°25 | 28°52 | 27° 5 | 18°22 | 15°13 | S 26 |
| M27 | 6 46 59 | 12°13'08 | 17°48 | 3° 9 | 7° 5 | 8°36 | 3°23 | 27°47 | 5° 7 | 1°18 | 16°24 | 28°50 | 27° 2 | 18°29 | 15°15 | M27 |
| T 28 | 6 50 56 | 13°14'15 | 29°42 | 4°44 | 7°24 | 9°19 | 3°20 | 27°54 | 5° 9 | 1°19 | 16°24 | 28°45 | 26°59 | 18°36 | 15°17 | T 28 |
| W29 | 6 54 53 | 14°15'21 | 11♋33 | 6°19 | 7°44 | 10° 2 | 3°17 | 28° 1 | 5°11 | 1°20 | 16°23 | 28°39 | 26°56 | 18°42 | 15°19 | W29 |
| T 30 | 6 58 49 | 15°16'27 | 23°23 | 7°55 | 8° 7 | 10°46 | 3°14 | 28° 8 | 5°12 | 1°21 | 16°23 | 28°31 | 26°52 | 18°49 | 15°21 | T 30 |
| F 31 | 7 2 46 | 16♑17'32 | 5♌15 | 9♑32 | 8♐31 | 11♐29 | 3♍11 | 28♑15 | 5♏14 | 1♏22 | 16♉22 | 28♏21 | 26♏49 | 18♋56 | 15♓23 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s47 | 20n37 | 2s54 | 17s30 | 1n42 | 21s 5 | 1n17 | 17s40 | 0n11 | 11n19 | 1n 7 | 21s44 | 0s30 | 12s29 | 0n27 | 10s 5 | 1n48 | 3n38 | 13s50 | 20s 7 | 19s54 | 18n53 | 2s 7 | 4n18 |
| T 2 | 22 53 | 19 1 | 3 45 | 17 56 | 1 34 | 20 45 | 1 33 | 17 52 | 0 10 | 11 19 | 1 7 | 21 43 | 0 30 | 12 30 | 0 27 | 10 5 | 1 48 | 3 38 | 13 50 | 20 6 | 19 53 | 18 52 | 2 7 | 4 17 |
| F 3 | 22 59 | 16 36 | 4 25 | 18 21 | 1 26 | 20 26 | 1 47 | 18 4 | 0 10 | 11 18 | 1 8 | 21 42 | 0 30 | 12 31 | 0 27 | 10 6 | 1 48 | 3 38 | 13 49 | 20 6 | 19 52 | 18 50 | 2 7 | 4 17 |
| S 4 | 23 4 | 13 31 | 4 55 | 18 46 | 1 19 | 20 7 | 2 2 | 18 16 | 0 9 | 11 18 | 1 8 | 21 41 | 0 30 | 12 32 | 0 27 | 10 6 | 1 48 | 3 38 | 13 49 | 20 5 | 19 52 | 18 49 | 2 7 | 4 17 |
| S 5 | 23 9 | 9 52 | 5 11 | 19 11 | 1 11 | 19 48 | 2 16 | 18 27 | 0 9 | 11 17 | 1 8 | 21 40 | 0 30 | 12 33 | 0 27 | 10 7 | 1 49 | 3 38 | 13 49 | 20 4 | 19 51 | 18 47 | 2 7 | 4 17 |
| M 6 | 23 14 | 5 48 | 5 15 | 19 36 | 1 3 | 19 30 | 2 30 | 18 38 | 0 8 | 11 17 | 1 9 | 21 39 | 0 30 | 12 34 | 0 27 | 10 7 | 1 49 | 3 38 | 13 49 | 20 4 | 19 50 | 18 46 | 2 7 | 4 16 |
| T 7 | 23 18 | 1 26 | 5 4 | 20 0 | 0 55 | 19 12 | 2 43 | 18 49 | 0 7 | 11 17 | 1 9 | 21 38 | 0 31 | 12 35 | 0 27 | 10 8 | 1 49 | 3 38 | 13 49 | 20 4 | 19 50 | 18 45 | 2 6 | 4 16 |
| W 8 | 23 21 | 3s 6 | 4 39 | 20 23 | 0 47 | 18 56 | 2 55 | 19 0 | 0 7 | 11 17 | 1 9 | 21 37 | 0 31 | 12 36 | 0 27 | 10 8 | 1 49 | 3 38 | 13 48 | 20 4 | 19 49 | 18 43 | 2 6 | 4 16 |
| T 9 | 23 24 | 7 37 | 3 59 | 20 46 | 0 39 | 18 40 | 3 8 | 19 11 | 0 6 | 11 17 | 1 9 | 21 36 | 0 31 | 12 37 | 0 27 | 10 9 | 1 49 | 3 38 | 13 48 | 20 4 | 19 48 | 18 42 | 2 6 | 4 15 |
| F 10 | 23 27 | 11 55 | 3 5 | 21 8 | 0 32 | 18 25 | 3 19 | 19 22 | 0 5 | 11 17 | 1 10 | 21 34 | 0 31 | 12 38 | 0 27 | 10 9 | 1 49 | 3 38 | 13 48 | 20 4 | 19 47 | 18 41 | 2 6 | 4 15 |
| S 11 | 23 29 | 15 46 | 2 0 | 21 29 | 0 24 | 18 10 | 3 30 | 19 32 | 0 5 | 11 17 | 1 10 | 21 33 | 0 31 | 12 39 | 0 27 | 10 10 | 1 49 | 3 38 | 13 48 | 20 4 | 19 47 | 18 39 | 2 6 | 4 15 |
| S 12 | 23 31 | 18 50 | 0 45 | 21 50 | 0 16 | 17 57 | 3 40 | 19 43 | 0 4 | 11 17 | 1 10 | 21 32 | 0 31 | 12 40 | 0 27 | 10 10 | 1 49 | 3 38 | 13 48 | 20 5 | 19 46 | 18 38 | 2 6 | 4 15 |
| M13 | 23 32 | 20 46 | 0n35 | 22 10 | 0 9 | 17 45 | 3 50 | 19 53 | 0 3 | 11 17 | 1 11 | 21 31 | 0 31 | 12 41 | 0 27 | 10 11 | 1 49 | 3 38 | 13 47 | 20 5 | 19 45 | 18 36 | 2 5 | 4 14 |
| T 14 | 23 33 | 21 19 | 1 55 | 22 28 | 0 2 | 17 33 | 3 59 | 20 3 | 0 3 | 11 18 | 1 11 | 21 30 | 0 31 | 12 41 | 0 27 | 10 11 | 1 49 | 3 38 | 13 47 | 20 4 | 19 45 | 18 35 | 2 5 | 4 14 |
| W15 | 23 33 | 20 18 | 3 7 | 22 46 | 0s 6 | 17 23 | 4 8 | 20 13 | 0 2 | 11 18 | 1 11 | 21 28 | 0 31 | 12 42 | 0 27 | 10 12 | 1 49 | 3 38 | 13 47 | 20 4 | 19 44 | 18 34 | 2 5 | 4 14 |
| T 16 | 23 33 | 17 50 | 4 6 | 23 3 | 0 13 | 17 14 | 4 16 | 20 22 | 0 1 | 11 18 | 1 11 | 21 27 | 0 31 | 12 43 | 0 27 | 10 12 | 1 49 | 3 38 | 13 47 | 20 3 | 19 43 | 18 32 | 2 4 | 4 13 |
| F 17 | 23 32 | 14 10 | 4 48 | 23 19 | 0 20 | 17 5 | 4 23 | 20 32 | 0 1 | 11 19 | 1 12 | 21 26 | 0 31 | 12 44 | 0 27 | 10 13 | 1 49 | 3 38 | 13 46 | 20 2 | 19 42 | 18 31 | 2 4 | 4 13 |
| S 18 | 23 31 | 9 40 | 5 9 | 23 33 | 0 27 | 16 58 | 4 30 | 20 41 | 0 0 | 11 20 | 1 12 | 21 25 | 0 31 | 12 45 | 0 27 | 10 13 | 1 49 | 3 38 | 13 46 | 20 1 | 19 42 | 18 29 | 2 4 | 4 13 |
| S 19 | 23 29 | 4 44 | 5 10 | 23 47 | 0 33 | 16 51 | 4 36 | 20 50 | 0s 1 | 11 20 | 1 12 | 21 23 | 0 31 | 12 46 | 0 27 | 10 13 | 1 49 | 3 38 | 13 46 | 20 0 | 19 41 | 18 28 | 2 3 | 4 13 |
| M20 | 23 27 | 0n19 | 4 52 | 23 59 | 0 40 | 16 46 | 4 42 | 20 59 | 0 1 | 11 21 | 1 13 | 21 22 | 0 31 | 12 46 | 0 27 | 10 14 | 1 49 | 3 38 | 13 46 | 19 59 | 19 40 | 18 27 | 2 3 | 4 12 |
| T 21 | 23 24 | 5 11 | 4 18 | 24 11 | 0 46 | 16 41 | 4 47 | 21 8 | 0 2 | 11 22 | 1 13 | 21 21 | 0 31 | 12 47 | 0 27 | 10 14 | 1 49 | 3 38 | 13 45 | 19 59 | 19 39 | 18 25 | 2 3 | 4 12 |
| W22 | 23 21 | 9 40 | 3 31 | 24 21 | 0 53 | 16 38 | 4 52 | 21 17 | 0 3 | 11 23 | 1 13 | 21 20 | 0 31 | 12 48 | 0 27 | 10 14 | 1 49 | 3 38 | 13 45 | 19 59 | 19 39 | 18 24 | 2 2 | 4 12 |
| T 23 | 23 18 | 13 36 | 2 35 | 24 29 | 0 59 | 16 35 | 4 56 | 21 25 | 0 3 | 11 24 | 1 13 | 21 18 | 0 31 | 12 49 | 0 27 | 10 15 | 1 49 | 3 38 | 13 45 | 19 59 | 19 38 | 18 22 | 2 2 | 4 11 |
| F 24 | 23 14 | 16 50 | 1 33 | 24 37 | 1 4 | 16 33 | 5 0 | 21 33 | 0 4 | 11 25 | 1 14 | 21 17 | 0 31 | 12 49 | 0 27 | 10 15 | 1 50 | 3 38 | 13 45 | 20 0 | 19 37 | 18 21 | 2 1 | 4 11 |
| S 25 | 23 9 | 19 15 | 0 28 | 24 43 | 1 10 | 16 32 | 5 3 | 21 41 | 0 5 | 11 26 | 1 14 | 21 16 | 0 31 | 12 50 | 0 27 | 10 15 | 1 50 | 3 38 | 13 44 | 20 0 | 19 37 | 18 19 | 2 1 | 4 11 |
| S 26 | 23 4 | 20 46 | 0s38 | 24 48 | 1 15 | 16 32 | 5 5 | 21 49 | 0 5 | 11 27 | 1 14 | 21 14 | 0 32 | 12 51 | 0 27 | 10 16 | 1 50 | 3 38 | 13 44 | 20 0 | 19 36 | 18 18 | 2 0 | 4 11 |
| M27 | 22 59 | 21 19 | 1 41 | 24 51 | 1 21 | 16 32 | 5 8 | 21 56 | 0 6 | 11 28 | 1 14 | 21 13 | 0 32 | 12 51 | 0 27 | 10 16 | 1 50 | 3 38 | 13 44 | 19 59 | 19 35 | 18 17 | 2 0 | 4 10 |
| T 28 | 22 53 | 20 54 | 2 39 | 24 53 | 1 26 | 16 33 | 5 10 | 22 4 | 0 7 | 11 29 | 1 15 | 21 12 | 0 32 | 12 52 | 0 27 | 10 16 | 1 50 | 3 38 | 13 44 | 19 58 | 19 34 | 18 15 | 1 59 | 4 10 |
| W29 | 22 47 | 19 34 | 3 30 | 24 54 | 1 30 | 16 35 | 5 11 | 22 11 | 0 8 | 11 31 | 1 15 | 21 10 | 0 32 | 12 53 | 0 28 | 10 17 | 1 50 | 3 39 | 13 43 | 19 57 | 19 34 | 18 14 | 1 58 | 4 10 |
| T 30 | 22 40 | 17 23 | 4 12 | 24 53 | 1 35 | 16 37 | 5 12 | 22 18 | 0 8 | 11 32 | 1 15 | 21 9 | 0 32 | 12 53 | 0 28 | 10 17 | 1 50 | 3 39 | 13 43 | 19 55 | 19 33 | 18 12 | 1 58 | 4 10 |
| F 31 | 22s33 | 14n28 | 4s42 | 24s51 | 1s39 | 16s40 | 5n13 | 22s25 | 0s 9 | 11n33 | 1n16 | 21s 7 | 0s32 | 12s54 | 0n28 | 10s17 | 1n50 | 3n39 | 13s43 | 19s53 | 19s32 | 18n11 | 1s57 | 4n 9 |

Julian Day Number = 2136681.5, Delta T = 15m50s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'16, Lahiri = 11°50'17 Julian Calendar 1 Dec. 1137 == Greg. Calendar 8 Dec. 1137


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## JANUARY 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 6 42 | 17♑18'36 | 17♌10 | 11♑ 9 | 8♐57 | 12♐12 | 3°R 7 | 28♑22 | 5♏16 | 1♏23 | 16°R22 | 28°R11 | 26♏46 | 19♋ 2 | 15♓25 | S 1 |
| S 2 | 7 10 39 | 18°19'40 | 29°10 | 12°47 | 9°25 | 12°56 | 3♍ 4 | 28°30 | 5°18 | 1°24 | 16♉21 | 28♏ 2 | 26°43 | 19° 9 | 15°28 | S 2 |
| M 3 | 7 14 35 | 19°20'43 | 11♍16 | 14°25 | 9°54 | 13°39 | 3° 0 | 28°37 | 5°19 | 1°24 | 16°21 | 27°54 | 26°40 | 19°16 | 15°30 | M 3 |
| T 4 | 7 18 32 | 20°21'46 | 23°32 | 16° 4 | 10°25 | 14°23 | 2°56 | 28°44 | 5°21 | 1°25 | 16°20 | 27°48 | 26°37 | 19°22 | 15°32 | T 4 |
| W 5 | 7 22 28 | 21°22'47 | 6♎ 1 | 17°43 | 10°58 | 15° 6 | 2°51 | 28°51 | 5°23 | 1°26 | 16°20 | 27°44 | 26°33 | 19°29 | 15°35 | W 5 |
| T 6 | 7 26 25 | 22°23'49 | 18°47 | 19°23 | 11°32 | 15°49 | 2°47 | 28°58 | 5°24 | 1°27 | 16°19 | 27°D43 | 26°30 | 19°36 | 15°37 | T 6 |
| F 7 | 7 30 21 | 23°24'50 | 1♏54 | 21° 4 | 12° 7 | 16°33 | 2°42 | 29° 5 | 5°25 | 1°27 | 16°19 | 27°43 | 26°27 | 19°43 | 15°40 | F 7 |
| S 8 | 7 34 18 | 24°25'50 | 15°24 | 22°45 | 12°44 | 17°17 | 2°38 | 29°13 | 5°27 | 1°28 | 16°19 | 27°44 | 26°24 | 19°49 | 15°42 | S 8 |
| S 9 | 7 38 15 | 25°26'49 | 29°22 | 24°27 | 13°22 | 18° 0 | 2°33 | 29°20 | 5°28 | 1°29 | 16°18 | 27°R44 | 26°21 | 19°56 | 15°45 | S 9 |
| M10 | 7 42 11 | 26°27'48 | 13♐46 | 26°10 | 14° 1 | 18°44 | 2°28 | 29°27 | 5°30 | 1°29 | 16°18 | 27°43 | 26°17 | 20° 3 | 15°48 | M10 |
| T 11 | 7 46 8 | 27°28'47 | 28°36 | 27°53 | 14°41 | 19°28 | 2°23 | 29°34 | 5°31 | 1°30 | 16°18 | 27°40 | 26°14 | 20° 9 | 15°50 | T 11 |
| W12 | 7 50 4 | 28°29'44 | 13♑45 | 29°37 | 15°23 | 20°11 | 2°17 | 29°41 | 5°32 | 1°30 | 16°18 | 27°34 | 26°11 | 20°16 | 15°53 | W12 |
| T 13 | 7 54 1 | 29°30'40 | 29° 3 | 1♒22 | 16° 6 | 20°55 | 2°12 | 29°49 | 5°33 | 1°31 | 16°17 | 27°25 | 26° 8 | 20°23 | 15°56 | T 13 |
| F 14 | 7 57 57 | 0♒31'35 | 14♒21 | 3° 7 | 16°49 | 21°39 | 2° 6 | 29°56 | 5°34 | 1°31 | 16°17 | 27°15 | 26° 5 | 20°29 | 15°58 | F 14 |
| S 15 | 8 1 54 | 1°32'29 | 29°26 | 4°53 | 17°34 | 22°23 | 2° 0 | 0♒ 3 | 5°35 | 1°31 | 16°17 | 27° 5 | 26° 2 | 20°36 | 16° 1 | S 15 |
| S 16 | 8 5 51 | 2°33'21 | 14♓ 9 | 6°39 | 18°20 | 23° 7 | 1°54 | 0°10 | 5°36 | 1°32 | 16°17 | 26°56 | 25°58 | 20°43 | 16° 4 | S 16 |
| M17 | 8 9 47 | 3°34'12 | 28°24 | 8°27 | 19° 6 | 23°50 | 1°48 | 0°17 | 5°37 | 1°32 | 16°17 | 26°49 | 25°55 | 20°50 | 16° 7 | M17 |
| T 18 | 8 13 44 | 4°35'01 | 12♈ 8 | 10°14 | 19°54 | 24°34 | 1°42 | 0°25 | 5°38 | 1°32 | 16°16 | 26°45 | 25°52 | 20°56 | 16°10 | T 18 |
| W19 | 8 17 40 | 5°35'49 | 25°23 | 12° 2 | 20°42 | 25°18 | 1°36 | 0°32 | 5°39 | 1°33 | 16°16 | 26°42 | 25°49 | 21° 3 | 16°13 | W19 |
| T 20 | 8 21 37 | 6°36'35 | 8♉12 | 13°51 | 21°31 | 26° 2 | 1°29 | 0°39 | 5°40 | 1°33 | 16°16 | 26°D42 | 25°46 | 21°10 | 16°16 | T 20 |
| F 21 | 8 25 33 | 7°37'20 | 20°39 | 15°39 | 22°21 | 26°46 | 1°22 | 0°46 | 5°40 | 1°33 | 16°16 | 26°R42 | 25°43 | 21°16 | 16°19 | F 21 |
| S 22 | 8 29 30 | 8°38'03 | 2♊50 | 17°28 | 23°12 | 27°30 | 1°16 | 0°53 | 5°41 | 1°33 | 16°16 | 26°42 | 25°39 | 21°23 | 16°22 | S 22 |
| S 23 | 8 33 26 | 9°38'44 | 14°49 | 19°17 | 24° 4 | 28°14 | 1° 9 | 1° 0 | 5°42 | 1°33 | 16°D16 | 26°41 | 25°36 | 21°30 | 16°25 | S 23 |
| M24 | 8 37 23 | 10°39'24 | 26°41 | 21° 5 | 24°56 | 28°58 | 1° 2 | 1° 8 | 5°42 | 1°33 | 16°16 | 26°37 | 25°33 | 21°36 | 16°28 | M24 |
| T 25 | 8 41 20 | 11°40'02 | 8♋30 | 22°54 | 25°49 | 29°43 | 0°55 | 1°15 | 5°43 | 1°34 | 16°16 | 26°30 | 25°30 | 21°43 | 16°31 | T 25 |
| W26 | 8 45 16 | 12°40'39 | 20°20 | 24°41 | 26°42 | 0♑27 | 0°48 | 1°22 | 5°43 | 1°R34 | 16°16 | 26°20 | 25°27 | 21°50 | 16°34 | W26 |
| T 27 | 8 49 13 | 13°41'14 | 2♌12 | 26°28 | 27°36 | 1°11 | 0°41 | 1°29 | 5°43 | 1°34 | 16°16 | 26° 8 | 25°23 | 21°57 | 16°38 | T 27 |
| F 28 | 8 53 9 | 14°41'47 | 14° 9 | 28°13 | 28°31 | 1°55 | 0°34 | 1°36 | 5°44 | 1°34 | 16°16 | 25°54 | 25°20 | 22° 3 | 16°41 | F 28 |
| S 29 | 8 57 6 | 15°42'18 | 26°11 | 29°57 | 29°26 | 2°39 | 0°26 | 1°43 | 5°44 | 1°33 | 16°16 | 25°39 | 25°17 | 22°10 | 16°44 | S 29 |
| S 30 | 9 1 2 | 16°42'48 | 8♍20 | 1♓39 | 0♑22 | 3°24 | 0°19 | 1°50 | 5°44 | 1°33 | 16°17 | 25°26 | 25°14 | 22°17 | 16°47 | S 30 |
| M31 | 9 4 59 | 17♒43'17 | 20♍36 | 3♓18 | 1♑18 | 4♑ 8 | 0♍11 | 1♒57 | 5♏44 | 1♏33 | 16♉17 | 25♏13 | 25♏11 | 22♋23 | 16♓51 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s25 | 10n59 | 5s 1 | 24s47 | 1s43 | 16s44 | 5n13 | 22s31 | 0s10 | 11n35 | 1n16 | 21s 6 | 0s32 | 12s54 | 0n28 | 10s17 | 1n50 | 3n39 | 13s43 | 19s51 | 19s31 | 18n 9 | 1s57 | 4n 9 | S 1 |
| S 2 | 22 17 | 7 2 | 5 6 | 24 42 | 1 46 | 16 48 | 5 14 | 22 38 | 0 10 | 11 37 | 1 16 | 21 5 | 0 32 | 12 55 | 0 28 | 10 18 | 1 50 | 3 39 | 13 42 | 19 49 | 19 31 | 18 8 | 1 56 | 4 9 | S 2 |
| M 3 | 22 9 | 2 46 | 4 58 | 24 35 | 1 50 | 16 52 | 5 13 | 22 44 | 0 11 | 11 38 | 1 16 | 21 3 | 0 32 | 12 55 | 0 28 | 10 18 | 1 50 | 3 39 | 13 42 | 19 47 | 19 30 | 18 6 | 1 55 | 4 9 | M 3 |
| T 4 | 22 0 | 1s39 | 4 36 | 24 26 | 1 53 | 16 57 | 5 13 | 22 50 | 0 12 | 11 40 | 1 17 | 21 2 | 0 32 | 12 56 | 0 28 | 10 18 | 1 50 | 3 39 | 13 42 | 19 46 | 19 29 | 18 5 | 1 55 | 4 8 | T 4 |
| W 5 | 21 51 | 6 5 | 4 1 | 24 16 | 1 55 | 17 2 | 5 12 | 22 55 | 0 13 | 11 42 | 1 17 | 21 1 | 0 32 | 12 56 | 0 28 | 10 18 | 1 50 | 3 40 | 13 41 | 19 45 | 19 28 | 18 4 | 1 54 | 4 8 | W 5 |
| T 6 | 21 41 | 10 22 | 3 13 | 24 5 | 1 58 | 17 8 | 5 11 | 23 1 | 0 13 | 11 44 | 1 17 | 20 59 | 0 32 | 12 57 | 0 28 | 10 18 | 1 50 | 3 40 | 13 41 | 19 44 | 19 28 | 18 2 | 1 53 | 4 8 | T 6 |
| F 7 | 21 31 | 14 17 | 2 14 | 23 52 | 2 0 | 17 14 | 5 10 | 23 6 | 0 14 | 11 45 | 1 17 | 20 58 | 0 32 | 12 57 | 0 28 | 10 19 | 1 50 | 3 40 | 13 41 | 19 44 | 19 27 | 18 1 | 1 52 | 4 8 | F 7 |
| S 8 | 21 20 | 17 35 | 1 6 | 23 37 | 2 1 | 17 20 | 5 8 | 23 11 | 0 15 | 11 47 | 1 18 | 20 56 | 0 32 | 12 58 | 0 28 | 10 19 | 1 50 | 3 40 | 13 41 | 19 45 | 19 26 | 17 59 | 1 52 | 4 8 | S 8 |
| S 9 | 21 9 | 19 58 | 0n 9 | 23 20 | 2 2 | 17 26 | 5 6 | 23 16 | 0 16 | 11 49 | 1 18 | 20 55 | 0 32 | 12 58 | 0 28 | 10 19 | 1 51 | 3 40 | 13 40 | 19 45 | 19 25 | 17 58 | 1 51 | 4 7 | S 9 |
| M10 | 20 57 | 21 9 | 1 25 | 23 2 | 2 3 | 17 33 | 5 4 | 23 20 | 0 16 | 11 52 | 1 18 | 20 53 | 0 32 | 12 59 | 0 28 | 10 19 | 1 51 | 3 41 | 13 40 | 19 45 | 19 25 | 17 56 | 1 50 | 4 7 | M10 |
| T 11 | 20 46 | 20 55 | 2 37 | 22 42 | 2 4 | 17 40 | 5 2 | 23 25 | 0 17 | 11 54 | 1 18 | 20 52 | 0 33 | 12 59 | 0 28 | 10 19 | 1 51 | 3 41 | 13 40 | 19 44 | 19 24 | 17 55 | 1 49 | 4 7 | T 11 |
| W12 | 20 33 | 19 11 | 3 40 | 22 20 | 2 4 | 17 47 | 5 0 | 23 29 | 0 18 | 11 56 | 1 19 | 20 50 | 0 33 | 12 59 | 0 28 | 10 19 | 1 51 | 3 41 | 13 39 | 19 42 | 19 23 | 17 53 | 1 48 | 4 7 | W12 |
| T 13 | 20 21 | 16 5 | 4 28 | 21 57 | 2 3 | 17 53 | 4 57 | 23 33 | 0 19 | 11 58 | 1 19 | 20 49 | 0 33 | 13 0 | 0 28 | 10 19 | 1 51 | 3 41 | 13 39 | 19 40 | 19 23 | 17 52 | 1 47 | 4 6 | T 13 |
| F 14 | 20 8 | 11 53 | 4 56 | 21 32 | 2 2 | 18 1 | 4 54 | 23 36 | 0 19 | 12 0 | 1 19 | 20 48 | 0 33 | 13 0 | 0 28 | 10 19 | 1 51 | 3 41 | 13 39 | 19 38 | 19 22 | 17 50 | 1 47 | 4 6 | F 14 |
| S 15 | 19 54 | 6 59 | 5 3 | 21 5 | 2 1 | 18 8 | 4 52 | 23 40 | 0 20 | 12 3 | 1 19 | 20 46 | 0 33 | 13 0 | 0 28 | 10 20 | 1 51 | 3 42 | 13 38 | 19 36 | 19 21 | 17 49 | 1 46 | 4 6 | S 15 |
| S 16 | 19 41 | 1 48 | 4 50 | 20 37 | 1 59 | 18 15 | 4 48 | 23 43 | 0 21 | 12 5 | 1 19 | 20 45 | 0 33 | 13 1 | 0 28 | 10 20 | 1 51 | 3 42 | 13 38 | 19 34 | 19 20 | 17 47 | 1 45 | 4 6 | S 16 |
| M17 | 19 27 | 3n19 | 4 19 | 20 7 | 1 57 | 18 22 | 4 45 | 23 46 | 0 22 | 12 7 | 1 20 | 20 43 | 0 33 | 13 1 | 0 28 | 10 20 | 1 51 | 3 42 | 13 38 | 19 32 | 19 19 | 17 46 | 1 44 | 4 6 | M17 |
| T 18 | 19 12 | 8 6 | 3 34 | 19 35 | 1 54 | 18 29 | 4 42 | 23 49 | 0 22 | 12 10 | 1 20 | 20 42 | 0 33 | 13 1 | 0 28 | 10 20 | 1 51 | 3 43 | 13 37 | 19 31 | 19 19 | 17 44 | 1 43 | 4 5 | T 18 |
| W19 | 18 57 | 12 19 | 2 39 | 19 1 | 1 50 | 18 36 | 4 38 | 23 51 | 0 23 | 12 12 | 1 20 | 20 40 | 0 33 | 13 2 | 0 28 | 10 20 | 1 51 | 3 43 | 13 37 | 19 31 | 19 18 | 17 43 | 1 42 | 4 5 | W19 |
| T 20 | 18 42 | 15 50 | 1 37 | 18 26 | 1 46 | 18 43 | 4 35 | 23 53 | 0 24 | 12 15 | 1 20 | 20 39 | 0 33 | 13 2 | 0 28 | 10 20 | 1 51 | 3 43 | 13 37 | 19 30 | 19 17 | 17 41 | 1 41 | 4 5 | T 20 |
| F 21 | 18 27 | 18 31 | 0 32 | 17 50 | 1 41 | 18 49 | 4 31 | 23 55 | 0 25 | 12 17 | 1 20 | 20 37 | 0 33 | 13 2 | 0 28 | 10 20 | 1 51 | 3 43 | 13 37 | 19 31 | 19 16 | 17 40 | 1 40 | 4 5 | F 21 |
| S 22 | 18 11 | 20 17 | 0s33 | 17 11 | 1 36 | 18 56 | 4 27 | 23 57 | 0 25 | 12 20 | 1 21 | 20 36 | 0 33 | 13 2 | 0 28 | 10 20 | 1 51 | 3 44 | 13 36 | 19 31 | 19 16 | 17 38 | 1 39 | 4 5 | S 22 |
| S 23 | 17 55 | 21 7 | 1 35 | 16 32 | 1 30 | 19 2 | 4 23 | 23 58 | 0 26 | 12 22 | 1 21 | 20 34 | 0 33 | 13 2 | 0 28 | 10 20 | 1 51 | 3 44 | 13 36 | 19 30 | 19 15 | 17 37 | 1 38 | 4 4 | S 23 |
| M24 | 17 39 | 20 59 | 2 32 | 15 51 | 1 23 | 19 9 | 4 19 | 24 0 | 0 27 | 12 25 | 1 21 | 20 33 | 0 34 | 13 3 | 0 28 | 10 20 | 1 51 | 3 44 | 13 36 | 19 29 | 19 14 | 17 35 | 1 37 | 4 4 | M24 |
| T 25 | 17 22 | 19 55 | 3 22 | 15 8 | 1 16 | 19 15 | 4 14 | 24 1 | 0 28 | 12 28 | 1 21 | 20 31 | 0 34 | 13 3 | 0 28 | 10 20 | 1 52 | 3 45 | 13 35 | 19 28 | 19 13 | 17 34 | 1 36 | 4 4 | T 25 |
| W26 | 17 5 | 17 59 | 4 4 | 14 25 | 1 8 | 19 21 | 4 10 | 24 2 | 0 29 | 12 30 | 1 21 | 20 30 | 0 34 | 13 3 | 0 28 | 10 20 | 1 52 | 3 45 | 13 35 | 19 25 | 19 13 | 17 32 | 1 35 | 4 4 | W26 |
| T 27 | 16 48 | 15 18 | 4 35 | 13 40 | 0 59 | 19 26 | 4 6 | 24 2 | 0 29 | 12 33 | 1 22 | 20 28 | 0 34 | 13 3 | 0 28 | 10 20 | 1 52 | 3 45 | 13 35 | 19 23 | 19 12 | 17 31 | 1 34 | 4 4 | T 27 |
| F 28 | 16 30 | 11 58 | 4 54 | 12 55 | 0 49 | 19 31 | 4 1 | 24 2 | 0 30 | 12 36 | 1 22 | 20 27 | 0 34 | 13 3 | 0 28 | 10 19 | 1 52 | 3 45 | 13 34 | 19 19 | 19 11 | 17 29 | 1 33 | 4 4 | F 28 |
| S 29 | 16 12 | 8 9 | 5 0 | 12 9 | 0 39 | 19 36 | 3 56 | 24 2 | 0 31 | 12 39 | 1 22 | 20 25 | 0 34 | 13 3 | 0 28 | 10 19 | 1 52 | 3 46 | 13 34 | 19 16 | 19 10 | 17 28 | 1 31 | 4 3 | S 29 |
| S 30 | 15 54 | 3 58 | 4 52 | 11 22 | 0 28 | 19 41 | 3 52 | 24 2 | 0 32 | 12 41 | 1 22 | 20 24 | 0 34 | 13 3 | 0 28 | 10 19 | 1 52 | 3 46 | 13 34 | 19 12 | 19 10 | 17 26 | 1 30 | 4 3 | S 30 |
| M31 | 15s36 | 0s25 | 4s31 | 10s36 | 0s16 | 19s46 | 3n47 | 24s 2 | 0s33 | 12n44 | 1n22 | 20s22 | 0s34 | 13s 3 | 0n28 | 10s19 | 1n52 | 3n47 | 13s33 | 19s 9 | 19s 9 | 17n24 | 1s29 | 4n 3 | M31 |

Julian Day Number = 2136712.5, Delta T = 15m50s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'21, Lahiri = 11°50'21 Julian Calendar 1 Jan. 1138 == Greg. Calendar 8 Jan. 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## FEBRUARY 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 8 55 | 18♒43'44 | 3♎ 2 | 4♓54 | 2♉15 | 4♉52 | 0°R 4 | 2♒ 4 | 5♏44 | 1°R33 | 16♉17 | 25°R 4 | 25♏ 8 | 22♋30 | 16♓54 | T 1 |
| W 2 | 9 12 52 | 19°44'09 | 15°38 | 6°26 | 3°13 | 5°37 | 29♌56 | 2°11 | 5°R44 | 1♏33 | 16°17 | 24♏57 | 25° 4 | 22°37 | 16°57 | W 2 |
| T 3 | 9 16 49 | 20°44'34 | 28°27 | 7°54 | 4°10 | 6°21 | 29°49 | 2°18 | 5°44 | 1°33 | 16°17 | 24°54 | 25° 1 | 22°43 | 17° 1 | T 3 |
| F 4 | 9 20 45 | 21°44'56 | 11♏32 | 9°17 | 5° 9 | 7° 5 | 29°41 | 2°25 | 5°44 | 1°32 | 16°18 | 24°52 | 24°58 | 22°50 | 17° 4 | F 4 |
| S 5 | 9 24 42 | 22°45'18 | 24°57 | 10°35 | 6° 8 | 7°50 | 29°33 | 2°32 | 5°44 | 1°32 | 16°18 | 24°52 | 24°55 | 22°57 | 17° 8 | S 5 |
| S 6 | 9 28 38 | 23°45'38 | 8♐43 | 11°47 | 7° 7 | 8°34 | 29°25 | 2°39 | 5°44 | 1°32 | 16°18 | 24°52 | 24°52 | 23° 4 | 17°11 | S 6 |
| M 7 | 9 32 35 | 24°45'56 | 22°52 | 12°51 | 8° 6 | 9°19 | 29°18 | 2°46 | 5°44 | 1°31 | 16°18 | 24°50 | 24°48 | 23°10 | 17°14 | M 7 |
| T 8 | 9 36 31 | 25°46'13 | 7♑23 | 13°49 | 9° 7 | 10° 3 | 29°10 | 2°53 | 5°44 | 1°31 | 16°19 | 24°46 | 24°45 | 23°17 | 17°18 | T 8 |
| W 9 | 9 40 28 | 26°46'29 | 22°14 | 14°38 | 10° 7 | 10°48 | 29° 2 | 3° 0 | 5°43 | 1°30 | 16°19 | 24°39 | 24°42 | 23°24 | 17°21 | W 9 |
| T 10 | 9 44 24 | 27°46'42 | 7♒18 | 15°20 | 11° 8 | 11°33 | 28°54 | 3° 6 | 5°43 | 1°30 | 16°19 | 24°29 | 24°39 | 23°30 | 17°25 | T 10 |
| F 11 | 9 48 21 | 28°46'54 | 22°25 | 15°52 | 12° 9 | 12°17 | 28°46 | 3°13 | 5°42 | 1°29 | 16°20 | 24°18 | 24°36 | 23°37 | 17°28 | F 11 |
| S 12 | 9 52 18 | 29°47'04 | 7♓25 | 16°15 | 13°10 | 13° 2 | 28°38 | 3°20 | 5°42 | 1°29 | 16°20 | 24° 6 | 24°33 | 23°44 | 17°32 | S 12 |
| S 13 | 9 56 14 | 0♓47'13 | 22° 9 | 16°29 | 14°12 | 13°47 | 28°30 | 3°26 | 5°41 | 1°28 | 16°21 | 23°55 | 24°29 | 23°50 | 17°35 | S 13 |
| M14 | 10 0 11 | 1°47'19 | 6♈28 | 16°R34 | 15°14 | 14°31 | 28°23 | 3°33 | 5°41 | 1°28 | 16°21 | 23°46 | 24°26 | 23°57 | 17°39 | M14 |
| T 15 | 10 4 7 | 2°47'23 | 20°20 | 16°29 | 16°17 | 15°16 | 28°15 | 3°40 | 5°40 | 1°27 | 16°22 | 23°40 | 24°23 | 24° 4 | 17°43 | T 15 |
| W16 | 10 8 4 | 3°47'25 | 3♉42 | 16°16 | 17°19 | 16° 1 | 28° 7 | 3°46 | 5°39 | 1°26 | 16°22 | 23°37 | 24°20 | 24°11 | 17°46 | W16 |
| T 17 | 10 12 0 | 4°47'25 | 16°37 | 15°54 | 18°22 | 16°45 | 27°59 | 3°53 | 5°39 | 1°26 | 16°23 | 23°35 | 24°17 | 24°17 | 17°50 | T 17 |
| F 18 | 10 15 57 | 5°47'22 | 29° 8 | 15°24 | 19°25 | 17°30 | 27°51 | 3°59 | 5°38 | 1°25 | 16°23 | 23°D35 | 24°14 | 24°24 | 17°53 | F 18 |
| S 19 | 10 19 53 | 6°47'17 | 11♊21 | 14°46 | 20°29 | 18°15 | 27°44 | 4° 6 | 5°37 | 1°24 | 16°24 | 23°R35 | 24°10 | 24°31 | 17°57 | S 19 |
| S 20 | 10 23 50 | 7°47'11 | 23°21 | 14° 3 | 21°33 | 19° 0 | 27°36 | 4°12 | 5°36 | 1°23 | 16°24 | 23°34 | 24° 7 | 24°37 | 18° 1 | S 20 |
| M21 | 10 27 46 | 8°47'02 | 5♋13 | 13°14 | 22°37 | 19°45 | 27°28 | 4°19 | 5°35 | 1°23 | 16°25 | 23°31 | 24° 4 | 24°44 | 18° 4 | M21 |
| T 22 | 10 31 43 | 9°46'50 | 17° 2 | 12°21 | 23°41 | 20°29 | 27°21 | 4°25 | 5°34 | 1°22 | 16°26 | 23°26 | 24° 1 | 24°51 | 18° 8 | T 22 |
| W23 | 10 35 40 | 10°46'37 | 28°53 | 11°26 | 24°45 | 21°14 | 27°13 | 4°31 | 5°33 | 1°21 | 16°26 | 23°17 | 23°58 | 24°57 | 18°11 | W23 |
| T 24 | 10 39 36 | 11°46'21 | 10♌48 | 10°29 | 25°50 | 21°59 | 27° 6 | 4°38 | 5°32 | 1°20 | 16°27 | 23° 6 | 23°54 | 25° 4 | 18°15 | T 24 |
| F 25 | 10 43 33 | 12°46'03 | 22°51 | 9°31 | 26°55 | 22°44 | 26°59 | 4°44 | 5°31 | 1°19 | 16°27 | 22°54 | 23°51 | 25°11 | 18°19 | F 25 |
| S 26 | 10 47 29 | 13°45'43 | 5♍ 2 | 8°35 | 28° 0 | 23°29 | 26°51 | 4°50 | 5°30 | 1°18 | 16°28 | 22°41 | 23°48 | 25°18 | 18°22 | S 26 |
| S 27 | 10 51 26 | 14°45'20 | 17°23 | 7°41 | 29° 5 | 24°14 | 26°44 | 4°56 | 5°28 | 1°17 | 16°29 | 22°29 | 23°45 | 25°24 | 18°26 | S 27 |
| M28 | 10 55 22 | 15♓44'56 | 29♍55 | 6♓50 | 0♒11 | 24♉59 | 26♌37 | 5♒ 2 | 5♏27 | 1♏16 | 16♉30 | 22♏18 | 23♏42 | 25♋31 | 18♓30 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15s17 | 4s50 | 3s57 | 9s49 | 0s 4 | 19s50 | 3n42 | 24s 1 | 0s33 | 12n47 | 1n22 | 20s21 | 0s34 | 13s 3 | 0n28 | 10s19 | 1n52 | 3n47 | 13s33 | 19s 7 | 19s 8 | 17n23 | 1s28 | 4n 3 | T 1 |
| W 2 | 14 58 | 9 7 | 3 11 | 9 3 | 0n 9 | 19 53 | 3 37 | 24 0 | 0 34 | 12 50 | 1 22 | 20 19 | 0 34 | 13 3 | 0 28 | 10 19 | 1 52 | 3 47 | 13 33 | 19 6 | 19 7 | 17 21 | 1 27 | 4 3 | W 2 |
| T 3 | 14 39 | 13 4 | 2 15 | 8 18 | 0 22 | 19 57 | 3 32 | 23 59 | 0 35 | 12 53 | 1 23 | 20 18 | 0 34 | 13 3 | 0 28 | 10 19 | 1 52 | 3 48 | 13 32 | 19 5 | 19 7 | 17 20 | 1 26 | 4 3 | T 3 |
| F 4 | 14 19 | 16 28 | 1 10 | 7 34 | 0 36 | 20 0 | 3 27 | 23 57 | 0 36 | 12 56 | 1 23 | 20 16 | 0 34 | 13 3 | 0 28 | 10 19 | 1 52 | 3 48 | 13 32 | 19 4 | 19 6 | 17 18 | 1 25 | 4 2 | F 4 |
| S 5 | 14 0 | 19 5 | 0n 0 | 6 51 | 0 51 | 20 2 | 3 22 | 23 56 | 0 37 | 12 58 | 1 23 | 20 15 | 0 35 | 13 3 | 0 28 | 10 18 | 1 52 | 3 48 | 13 32 | 19 4 | 19 5 | 17 17 | 1 23 | 4 2 | S 5 |
| S 6 | 13 40 | 20 40 | 1 12 | 6 10 | 1 6 | 20 4 | 3 17 | 23 54 | 0 37 | 13 1 | 1 23 | 20 13 | 0 35 | 13 3 | 0 28 | 10 18 | 1 52 | 3 49 | 13 31 | 19 4 | 19 4 | 17 15 | 1 22 | 4 2 | S 6 |
| M 7 | 13 20 | 21 0 | 2 22 | 5 32 | 1 20 | 20 6 | 3 12 | 23 51 | 0 38 | 13 4 | 1 23 | 20 12 | 0 35 | 13 3 | 0 28 | 10 18 | 1 52 | 3 49 | 13 31 | 19 4 | 19 3 | 17 14 | 1 21 | 4 2 | M 7 |
| T 8 | 12 59 | 19 57 | 3 24 | 4 56 | 1 35 | 20 7 | 3 7 | 23 49 | 0 39 | 13 7 | 1 23 | 20 10 | 0 35 | 13 3 | 0 28 | 10 18 | 1 52 | 3 49 | 13 31 | 19 3 | 19 3 | 17 12 | 1 20 | 4 2 | T 8 |
| W 9 | 12 39 | 17 32 | 4 14 | 4 23 | 1 50 | 20 8 | 3 2 | 23 46 | 0 40 | 13 10 | 1 23 | 20 9 | 0 35 | 13 3 | 0 28 | 10 18 | 1 52 | 3 50 | 13 31 | 19 1 | 19 2 | 17 11 | 1 18 | 4 2 | W 9 |
| T 10 | 12 18 | 13 54 | 4 47 | 3 53 | 2 5 | 20 9 | 2 57 | 23 43 | 0 41 | 13 13 | 1 23 | 20 7 | 0 35 | 13 3 | 0 28 | 10 17 | 1 53 | 3 50 | 13 30 | 18 59 | 19 1 | 17 9 | 1 17 | 4 2 | T 10 |
| F 11 | 11 57 | 9 22 | 5 0 | 3 27 | 2 19 | 20 9 | 2 52 | 23 40 | 0 41 | 13 15 | 1 23 | 20 6 | 0 35 | 13 2 | 0 28 | 10 17 | 1 53 | 3 51 | 13 30 | 18 56 | 19 0 | 17 7 | 1 16 | 4 2 | F 11 |
| S 12 | 11 36 | 4 18 | 4 52 | 3 6 | 2 33 | 20 8 | 2 46 | 23 37 | 0 42 | 13 18 | 1 23 | 20 4 | 0 35 | 13 2 | 0 28 | 10 17 | 1 53 | 3 51 | 13 30 | 18 53 | 19 0 | 17 6 | 1 15 | 4 1 | S 12 |
| S 13 | 11 15 | 0n56 | 4 25 | 2 48 | 2 46 | 20 7 | 2 41 | 23 33 | 0 43 | 13 21 | 1 24 | 20 3 | 0 35 | 13 2 | 0 28 | 10 17 | 1 53 | 3 51 | 13 29 | 18 50 | 18 59 | 17 4 | 1 13 | 4 1 | S 13 |
| M14 | 10 53 | 5 58 | 3 42 | 2 35 | 2 58 | 20 6 | 2 36 | 23 29 | 0 44 | 13 24 | 1 24 | 20 1 | 0 35 | 13 2 | 0 28 | 10 16 | 1 53 | 3 52 | 13 29 | 18 48 | 18 58 | 17 3 | 1 12 | 4 1 | M14 |
| T 15 | 10 32 | 10 32 | 2 46 | 2 27 | 3 9 | 20 4 | 2 31 | 23 25 | 0 45 | 13 27 | 1 24 | 20 0 | 0 35 | 13 2 | 0 28 | 10 16 | 1 53 | 3 52 | 13 29 | 18 47 | 18 57 | 17 1 | 1 11 | 4 1 | T 15 |
| W16 | 10 10 | 14 25 | 1 43 | 2 23 | 3 19 | 20 1 | 2 25 | 23 20 | 0 46 | 13 29 | 1 24 | 19 58 | 0 36 | 13 1 | 0 28 | 10 16 | 1 53 | 3 53 | 13 28 | 18 46 | 18 56 | 17 0 | 1 10 | 4 1 | W16 |
| T 17 | 9 48 | 17 28 | 0 37 | 2 24 | 3 27 | 19 58 | 2 20 | 23 16 | 0 46 | 13 32 | 1 24 | 19 57 | 0 36 | 13 1 | 0 28 | 10 16 | 1 53 | 3 53 | 13 28 | 18 45 | 18 56 | 16 58 | 1 8 | 4 1 | T 17 |
| F 18 | 9 26 | 19 35 | 0s29 | 2 30 | 3 34 | 19 55 | 2 15 | 23 11 | 0 47 | 13 35 | 1 24 | 19 56 | 0 36 | 13 1 | 0 28 | 10 15 | 1 53 | 3 54 | 13 28 | 18 45 | 18 55 | 16 56 | 1 7 | 4 1 | F 18 |
| S 19 | 9 4 | 20 43 | 1 33 | 2 40 | 3 39 | 19 51 | 2 10 | 23 6 | 0 48 | 13 38 | 1 24 | 19 54 | 0 36 | 13 1 | 0 28 | 10 15 | 1 53 | 3 54 | 13 28 | 18 45 | 18 54 | 16 55 | 1 6 | 4 1 | S 19 |
| S 20 | 8 41 | 20 52 | 2 31 | 2 54 | 3 41 | 19 46 | 2 4 | 23 0 | 0 49 | 13 40 | 1 24 | 19 53 | 0 36 | 13 0 | 0 28 | 10 15 | 1 53 | 3 54 | 13 27 | 18 45 | 18 53 | 16 53 | 1 4 | 4 1 | S 20 |
| M21 | 8 19 | 20 5 | 3 22 | 3 12 | 3 42 | 19 41 | 1 59 | 22 55 | 0 50 | 13 43 | 1 24 | 19 51 | 0 36 | 13 0 | 0 28 | 10 14 | 1 53 | 3 55 | 13 27 | 18 44 | 18 53 | 16 52 | 1 3 | 4 0 | M21 |
| T 22 | 7 56 | 18 26 | 4 4 | 3 33 | 3 41 | 19 36 | 1 54 | 22 49 | 0 50 | 13 46 | 1 24 | 19 50 | 0 36 | 13 0 | 0 28 | 10 14 | 1 53 | 3 55 | 13 27 | 18 43 | 18 52 | 16 50 | 1 2 | 4 0 | T 22 |
| W23 | 7 34 | 15 59 | 4 35 | 3 57 | 3 38 | 19 30 | 1 49 | 22 43 | 0 51 | 13 48 | 1 24 | 19 48 | 0 36 | 12 59 | 0 28 | 10 14 | 1 53 | 3 56 | 13 26 | 18 41 | 18 51 | 16 48 | 1 0 | 4 0 | W23 |
| T 24 | 7 11 | 12 53 | 4 55 | 4 23 | 3 33 | 19 23 | 1 43 | 22 36 | 0 52 | 13 51 | 1 24 | 19 47 | 0 36 | 12 59 | 0 28 | 10 13 | 1 53 | 3 56 | 13 26 | 18 38 | 18 50 | 16 47 | 0 59 | 4 0 | T 24 |
| F 25 | 6 48 | 9 13 | 5 1 | 4 51 | 3 26 | 19 16 | 1 38 | 22 30 | 0 53 | 13 53 | 1 24 | 19 46 | 0 37 | 12 58 | 0 28 | 10 13 | 1 53 | 3 57 | 13 26 | 18 35 | 18 49 | 16 45 | 0 58 | 4 0 | F 25 |
| S 26 | 6 25 | 5 8 | 4 55 | 5 21 | 3 17 | 19 8 | 1 33 | 22 23 | 0 54 | 13 56 | 1 24 | 19 44 | 0 37 | 12 58 | 0 28 | 10 13 | 1 53 | 3 57 | 13 26 | 18 32 | 18 49 | 16 44 | 0 56 | 4 0 | S 26 |
| S 27 | 6 2 | 0 48 | 4 34 | 5 50 | 3 7 | 19 0 | 1 28 | 22 16 | 0 55 | 13 58 | 1 24 | 19 43 | 0 37 | 12 58 | 0 28 | 10 12 | 1 53 | 3 58 | 13 25 | 18 28 | 18 48 | 16 42 | 0 55 | 4 0 | S 27 |
| M28 | 5s39 | 3s38 | 4s 0 | 6s20 | 2n55 | 18s51 | 1n23 | 22s 9 | 0s55 | 14n 1 | 1n24 | 19s41 | 0s37 | 12s57 | 0n29 | 10s12 | 1n53 | 3n58 | 13s25 | 18s26 | 18s47 | 16n40 | 0s53 | 4n 0 | M28 |

Julian Day Number = 2136743.5, Delta T = 15m50s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'25, Lahiri = 11°50'25 Julian Calendar 1 Feb. 1138 == Greg. Calendar 8 Feb. 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## MARCH 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 59 19 | 16♓44'30 | 12♎36 | 6°R 3 | 1♒17 | 25♑44 | 26°R30 | 5♒ 8 | 5°R26 | 1°R15 | 16♉30 | 22°R 9 | 23♏39 | 25♋38 | 18♓33 | T 1 |
| W 2 | 11 3 15 | 17°44'01 | 25°29 | 5♓21 | 2°23 | 26°29 | 26♌23 | 5°14 | 5♏24 | 1♏14 | 16°31 | 22♏ 3 | 23°35 | 25°44 | 18°37 | W 2 |
| T 3 | 11 7 12 | 18°43'31 | 8♏33 | 4°43 | 3°29 | 27°14 | 26°16 | 5°20 | 5°23 | 1°13 | 16°32 | 22° 0 | 23°32 | 25°51 | 18°41 | T 3 |
| F 4 | 11 11 9 | 19°42'59 | 21°49 | 4°12 | 4°35 | 27°59 | 26°10 | 5°26 | 5°21 | 1°12 | 16°33 | 21°D59 | 23°29 | 25°58 | 18°44 | F 4 |
| S 5 | 11 15 5 | 20°42'26 | 5♐19 | 3°46 | 5°42 | 28°44 | 26° 3 | 5°32 | 5°20 | 1°11 | 16°34 | 22° 0 | 23°26 | 26° 5 | 18°48 | S 5 |
| S 6 | 11 19 2 | 21°41'50 | 19° 4 | 3°26 | 6°48 | 29°29 | 25°56 | 5°37 | 5°18 | 1°10 | 16°34 | 22°R 0 | 23°23 | 26°11 | 18°52 | S 6 |
| M 7 | 11 22 58 | 22°41'13 | 3♑ 5 | 3°12 | 7°55 | 0♒14 | 25°50 | 5°43 | 5°17 | 1° 8 | 16°35 | 22° 0 | 23°20 | 26°18 | 18°55 | M 7 |
| T 8 | 11 26 55 | 23°40'34 | 17°21 | 3° 5 | 9° 2 | 0°59 | 25°44 | 5°49 | 5°15 | 1° 7 | 16°36 | 21°58 | 23°16 | 26°25 | 18°59 | T 8 |
| W 9 | 11 30 51 | 24°39'53 | 1♒51 | 3°D 2 | 10° 9 | 1°44 | 25°38 | 5°54 | 5°13 | 1° 6 | 16°37 | 21°53 | 23°13 | 26°31 | 19° 3 | W 9 |
| T 10 | 11 34 48 | 25°39'11 | 16°30 | 3° 6 | 11°16 | 2°30 | 25°32 | 6° 0 | 5°12 | 1° 5 | 16°38 | 21°46 | 23°10 | 26°38 | 19° 6 | T 10 |
| F 11 | 11 38 44 | 26°38'26 | 1♓12 | 3°15 | 12°24 | 3°15 | 25°26 | 6° 5 | 5°10 | 1° 4 | 16°39 | 21°38 | 23° 7 | 26°45 | 19°10 | F 11 |
| S 12 | 11 42 41 | 27°37'40 | 15°51 | 3°30 | 13°31 | 4° 0 | 25°20 | 6°11 | 5° 8 | 1° 2 | 16°40 | 21°29 | 23° 4 | 26°51 | 19°14 | S 12 |
| S 13 | 11 46 38 | 28°36'51 | 0♈18 | 3°49 | 14°39 | 4°45 | 25°14 | 6°16 | 5° 6 | 1° 1 | 16°41 | 21°21 | 23° 0 | 26°58 | 19°17 | S 13 |
| M14 | 11 50 34 | 29°36'00 | 14°26 | 4°13 | 15°46 | 5°30 | 25° 9 | 6°21 | 5° 4 | 1° 0 | 16°42 | 21°14 | 22°57 | 27° 5 | 19°21 | M14 |
| T 15 | 11 54 31 | 0♈35'07 | 28°12 | 4°42 | 16°54 | 6°15 | 25° 4 | 6°26 | 5° 3 | 0°58 | 16°43 | 21°10 | 22°54 | 27°12 | 19°25 | T 15 |
| W16 | 11 58 27 | 1°34'12 | 11♉33 | 5°15 | 18° 2 | 7° 0 | 24°59 | 6°32 | 5° 1 | 0°57 | 16°44 | 21° 7 | 22°51 | 27°18 | 19°28 | W16 |
| T 17 | 12 2 24 | 2°33'15 | 24°30 | 5°52 | 19°10 | 7°46 | 24°54 | 6°37 | 4°59 | 0°56 | 16°45 | 21°D 7 | 22°48 | 27°25 | 19°32 | T 17 |
| F 18 | 12 6 20 | 3°32'16 | 7♊ 5 | 6°33 | 20°19 | 8°31 | 24°49 | 6°42 | 4°57 | 0°54 | 16°46 | 21° 8 | 22°45 | 27°32 | 19°35 | F 18 |
| S 19 | 12 10 17 | 4°31'14 | 19°22 | 7°18 | 21°27 | 9°16 | 24°44 | 6°47 | 4°55 | 0°53 | 16°47 | 21° 9 | 22°41 | 27°38 | 19°39 | S 19 |
| S 20 | 12 14 13 | 5°30'10 | 1♋25 | 8° 6 | 22°35 | 10° 1 | 24°39 | 6°51 | 4°53 | 0°51 | 16°48 | 21°R10 | 22°38 | 27°45 | 19°42 | S 20 |
| M21 | 12 18 10 | 6°29'03 | 13°20 | 8°57 | 23°44 | 10°46 | 24°35 | 6°56 | 4°50 | 0°50 | 16°49 | 21°10 | 22°35 | 27°52 | 19°46 | M21 |
| T 22 | 12 22 6 | 7°27'54 | 25°11 | 9°52 | 24°52 | 11°32 | 24°31 | 7° 1 | 4°48 | 0°48 | 16°50 | 21° 8 | 22°32 | 27°59 | 19°50 | T 22 |
| W23 | 12 26 3 | 8°26'43 | 7♌ 4 | 10°49 | 26° 1 | 12°17 | 24°27 | 7° 6 | 4°46 | 0°47 | 16°51 | 21° 4 | 22°29 | 28° 5 | 19°53 | W23 |
| T 24 | 12 30 0 | 9°25'30 | 19° 2 | 11°50 | 27°10 | 13° 2 | 24°23 | 7°10 | 4°44 | 0°45 | 16°52 | 20°59 | 22°25 | 28°12 | 19°57 | T 24 |
| F 25 | 12 33 56 | 10°24'14 | 1♍ 9 | 12°53 | 28°19 | 13°47 | 24°19 | 7°15 | 4°42 | 0°44 | 16°53 | 20°53 | 22°22 | 28°19 | 20° 0 | F 25 |
| S 26 | 12 37 53 | 11°22'56 | 13°29 | 13°59 | 29°28 | 14°32 | 24°16 | 7°19 | 4°40 | 0°42 | 16°54 | 20°45 | 22°19 | 28°25 | 20° 4 | S 26 |
| S 27 | 12 41 49 | 12°21'36 | 26° 2 | 15° 7 | 0♓37 | 15°18 | 24°12 | 7°23 | 4°37 | 0°41 | 16°55 | 20°38 | 22°16 | 28°32 | 20° 7 | S 27 |
| M28 | 12 45 46 | 13°20'14 | 8♎49 | 16°17 | 1°46 | 16° 3 | 24° 9 | 7°28 | 4°35 | 0°39 | 16°57 | 20°32 | 22°13 | 28°39 | 20°10 | M28 |
| T 29 | 12 49 42 | 14°18'50 | 21°50 | 17°30 | 2°55 | 16°48 | 24° 6 | 7°32 | 4°33 | 0°38 | 16°58 | 20°28 | 22°10 | 28°46 | 20°14 | T 29 |
| W30 | 12 53 39 | 15°17'24 | 5♏ 4 | 18°46 | 4° 5 | 17°33 | 24° 3 | 7°36 | 4°30 | 0°36 | 16°59 | 20°25 | 22° 6 | 28°52 | 20°17 | W30 |
| T 31 | 12 57 35 | 16♈15'56 | 18♏31 | 20♓ 3 | 5♓14 | 18♒18 | 24♌ 1 | 7♒40 | 4♏28 | 0♏35 | 17♉ 0 | 20°D24 | 22♏ 3 | 28♋59 | 20♓21 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s15 | 7s58 | 3s13 | 6s49 | 2n43 | 18s42 | 1n18 | 22s 1 | 0s56 | 14n 3 | 1n24 | 19s40 | 0s37 | 12s57 | 0n29 | 10s11 | 1n54 | 3n58 | 13s25 | 18s23 | 18s46 | 16n39 | 0s52 | 4n 0 |
| W 2 | 4 52 | 12 1 | 2 16 | 7 17 | 2 29 | 18 32 | 1 13 | 21 53 | 0 57 | 14 5 | 1 24 | 19 39 | 0 37 | 12 56 | 0 29 | 10 11 | 1 54 | 3 59 | 13 24 | 18 22 | 18 45 | 16 37 | 0 51 | 4 0 |
| T 3 | 4 29 | 15 32 | 1 11 | 7 44 | 2 15 | 18 22 | 1 8 | 21 45 | 0 58 | 14 8 | 1 24 | 19 37 | 0 37 | 12 56 | 0 29 | 10 11 | 1 54 | 3 59 | 13 24 | 18 21 | 18 45 | 16 36 | 0 49 | 4 0 |
| F 4 | 4 5 | 18 19 | 0 1 | 8 9 | 2 0 | 18 11 | 1 3 | 21 37 | 0 59 | 14 10 | 1 24 | 19 36 | 0 37 | 12 55 | 0 29 | 10 10 | 1 54 | 4 0 | 13 24 | 18 21 | 18 44 | 16 34 | 0 48 | 4 0 |
| S 5 | 3 42 | 20 8 | 1n11 | 8 32 | 1 45 | 18 0 | 0 58 | 21 29 | 1 0 | 14 12 | 1 24 | 19 35 | 0 37 | 12 55 | 0 29 | 10 10 | 1 54 | 4 0 | 13 24 | 18 21 | 18 43 | 16 32 | 0 47 | 4 0 |
| S 6 | 3 18 | 20 47 | 2 19 | 8 54 | 1 30 | 17 48 | 0 53 | 21 20 | 1 0 | 14 14 | 1 24 | 19 33 | 0 38 | 12 54 | 0 29 | 10 9 | 1 54 | 4 1 | 13 23 | 18 21 | 18 42 | 16 31 | 0 45 | 4 0 |
| M 7 | 2 55 | 20 10 | 3 21 | 9 13 | 1 15 | 17 36 | 0 48 | 21 11 | 1 1 | 14 17 | 1 24 | 19 32 | 0 38 | 12 54 | 0 29 | 10 9 | 1 54 | 4 1 | 13 23 | 18 21 | 18 41 | 16 29 | 0 44 | 4 0 |
| T 8 | 2 31 | 18 16 | 4 12 | 9 30 | 1 0 | 17 23 | 0 43 | 21 2 | 1 2 | 14 19 | 1 23 | 19 31 | 0 38 | 12 53 | 0 29 | 10 8 | 1 54 | 4 2 | 13 23 | 18 20 | 18 41 | 16 27 | 0 42 | 4 0 |
| W 9 | 2 8 | 15 11 | 4 47 | 9 44 | 0 45 | 17 10 | 0 39 | 20 53 | 1 3 | 14 21 | 1 23 | 19 30 | 0 38 | 12 52 | 0 29 | 10 8 | 1 54 | 4 2 | 13 23 | 18 19 | 18 40 | 16 26 | 0 41 | 4 0 |
| T 10 | 1 44 | 11 8 | 5 4 | 9 57 | 0 30 | 16 56 | 0 34 | 20 44 | 1 4 | 14 23 | 1 23 | 19 28 | 0 38 | 12 52 | 0 29 | 10 7 | 1 54 | 4 3 | 13 22 | 18 18 | 18 39 | 16 24 | 0 40 | 3 59 |
| F 11 | 1 20 | 6 24 | 5 1 | 10 6 | 0 16 | 16 42 | 0 29 | 20 34 | 1 5 | 14 25 | 1 23 | 19 27 | 0 38 | 12 51 | 0 29 | 10 7 | 1 54 | 4 3 | 13 22 | 18 15 | 18 38 | 16 22 | 0 38 | 3 59 |
| S 12 | 0 57 | 1 20 | 4 38 | 10 14 | 0 2 | 16 27 | 0 25 | 20 24 | 1 5 | 14 26 | 1 23 | 19 26 | 0 38 | 12 51 | 0 29 | 10 6 | 1 54 | 4 4 | 13 22 | 18 13 | 18 37 | 16 21 | 0 37 | 3 59 |
| S 13 | 0 33 | 3n45 | 3 58 | 10 19 | 0s11 | 16 12 | 0 20 | 20 14 | 1 6 | 14 28 | 1 23 | 19 25 | 0 38 | 12 50 | 0 29 | 10 6 | 1 54 | 4 4 | 13 22 | 18 11 | 18 37 | 16 19 | 0 35 | 3 59 |
| M14 | 0 10 | 8 32 | 3 4 | 10 22 | 0 24 | 15 56 | 0 16 | 20 4 | 1 7 | 14 30 | 1 23 | 19 23 | 0 38 | 12 49 | 0 29 | 10 5 | 1 54 | 4 5 | 13 21 | 18 9 | 18 36 | 16 18 | 0 34 | 3 59 |
| T 15 | 0n14 | 12 45 | 2 0 | 10 23 | 0 36 | 15 40 | 0 11 | 19 53 | 1 8 | 14 32 | 1 23 | 19 22 | 0 39 | 12 49 | 0 29 | 10 5 | 1 54 | 4 5 | 13 21 | 18 8 | 18 35 | 16 16 | 0 33 | 3 59 |
| W16 | 0 38 | 16 11 | 0 51 | 10 22 | 0 48 | 15 23 | 0 7 | 19 43 | 1 9 | 14 33 | 1 23 | 19 21 | 0 39 | 12 48 | 0 29 | 10 4 | 1 54 | 4 6 | 13 21 | 18 7 | 18 34 | 16 14 | 0 31 | 3 59 |
| T 17 | 1 1 | 18 41 | 0s18 | 10 19 | 0 59 | 15 6 | 0 2 | 19 32 | 1 9 | 14 35 | 1 23 | 19 20 | 0 39 | 12 47 | 0 29 | 10 4 | 1 54 | 4 6 | 13 21 | 18 7 | 18 33 | 16 13 | 0 30 | 3 59 |
| F 18 | 1 25 | 20 12 | 1 25 | 10 13 | 1 9 | 14 49 | 0s 2 | 19 21 | 1 10 | 14 36 | 1 23 | 19 19 | 0 39 | 12 47 | 0 29 | 10 3 | 1 54 | 4 7 | 13 20 | 18 7 | 18 33 | 16 11 | 0 28 | 3 59 |
| S 19 | 1 48 | 20 41 | 2 27 | 10 6 | 1 19 | 14 31 | 0 6 | 19 10 | 1 11 | 14 38 | 1 22 | 19 18 | 0 39 | 12 46 | 0 29 | 10 3 | 1 54 | 4 7 | 13 20 | 18 8 | 18 32 | 16 9 | 0 27 | 3 59 |
| S 20 | 2 12 | 20 12 | 3 20 | 9 57 | 1 29 | 14 12 | 0 10 | 18 58 | 1 12 | 14 39 | 1 22 | 19 17 | 0 39 | 12 45 | 0 29 | 10 2 | 1 54 | 4 8 | 13 20 | 18 8 | 18 31 | 16 8 | 0 26 | 3 59 |
| M21 | 2 35 | 18 49 | 4 5 | 9 45 | 1 37 | 13 54 | 0 14 | 18 47 | 1 13 | 14 41 | 1 22 | 19 16 | 0 39 | 12 45 | 0 29 | 10 2 | 1 54 | 4 8 | 13 20 | 18 8 | 18 30 | 16 6 | 0 24 | 3 59 |
| T 22 | 2 59 | 16 38 | 4 38 | 9 32 | 1 46 | 13 34 | 0 18 | 18 35 | 1 13 | 14 42 | 1 22 | 19 14 | 0 39 | 12 44 | 0 29 | 10 1 | 1 54 | 4 9 | 13 20 | 18 8 | 18 29 | 16 4 | 0 23 | 3 59 |
| W23 | 3 22 | 13 45 | 5 0 | 9 17 | 1 53 | 13 15 | 0 22 | 18 23 | 1 14 | 14 43 | 1 22 | 19 13 | 0 40 | 12 43 | 0 29 | 10 1 | 1 54 | 4 9 | 13 19 | 18 7 | 18 28 | 16 3 | 0 21 | 3 59 |
| T 24 | 3 45 | 10 17 | 5 9 | 9 1 | 2 0 | 12 55 | 0 26 | 18 11 | 1 15 | 14 44 | 1 22 | 19 12 | 0 40 | 12 42 | 0 29 | 10 0 | 1 54 | 4 10 | 13 19 | 18 5 | 18 28 | 16 1 | 0 20 | 3 59 |
| F 25 | 4 8 | 6 22 | 5 4 | 8 42 | 2 7 | 12 35 | 0 29 | 17 58 | 1 16 | 14 46 | 1 22 | 19 11 | 0 40 | 12 42 | 0 29 | 10 0 | 1 54 | 4 10 | 13 19 | 18 3 | 18 27 | 15 59 | 0 19 | 3 59 |
| S 26 | 4 31 | 2 8 | 4 46 | 8 22 | 2 13 | 12 14 | 0 33 | 17 46 | 1 17 | 14 47 | 1 22 | 19 10 | 0 40 | 12 41 | 0 29 | 9 59 | 1 54 | 4 10 | 13 19 | 18 1 | 18 26 | 15 58 | 0 17 | 3 59 |
| S 27 | 4 54 | 2s17 | 4 13 | 8 1 | 2 18 | 11 53 | 0 37 | 17 33 | 1 17 | 14 48 | 1 21 | 19 9 | 0 40 | 12 40 | 0 29 | 9 59 | 1 54 | 4 11 | 13 19 | 18 0 | 18 25 | 15 56 | 0 16 | 3 59 |
| M28 | 5 17 | 6 40 | 3 27 | 7 37 | 2 23 | 11 31 | 0 40 | 17 21 | 1 18 | 14 48 | 1 21 | 19 8 | 0 40 | 12 39 | 0 29 | 9 58 | 1 54 | 4 11 | 13 18 | 17 58 | 18 24 | 15 54 | 0 14 | 4 0 |
| T 29 | 5 40 | 10 51 | 2 29 | 7 13 | 2 27 | 11 10 | 0 44 | 17 8 | 1 19 | 14 49 | 1 21 | 19 7 | 0 40 | 12 39 | 0 29 | 9 57 | 1 55 | 4 12 | 13 18 | 17 57 | 18 24 | 15 53 | 0 13 | 4 0 |
| W30 | 6 3 | 14 34 | 1 23 | 6 46 | 2 30 | 10 47 | 0 47 | 16 55 | 1 20 | 14 50 | 1 21 | 19 6 | 0 41 | 12 38 | 0 29 | 9 57 | 1 55 | 4 12 | 13 18 | 17 56 | 18 23 | 15 51 | 0 12 | 4 0 |
| T 31 | 6n26 | 17s35 | 0s10 | 6s18 | 2s33 | 10s25 | 0s50 | 16s41 | 1s21 | 14n51 | 1n21 | 19s 6 | 0s41 | 12s37 | 0n29 | 9s56 | 1n55 | 4n13 | 13s18 | 17s56 | 18s22 | 15n49 | 0s10 | 4n 0 |

Julian Day Number = 2136771.5, Delta T = 15m49s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'29, Lahiri = 11°50'29 Julian Calendar 1 March 1138 == Greg. Calendar 8 March 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## APRIL 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 1 32 | 17♈14'26 | 2♐ 9 | 21♓22 | 6♓23 | 19♒ 4 | 23°R58 | 7♒44 | 4°R26 | 0°R33 | 17♉ 1 | 20♏25 | 22♏ 0 | 29♋ 6 | 20♓24 | F 1 |
| S 2 | 13 5 29 | 18°12'55 | 15°57 | 22°44 | 7°33 | 19°49 | 23♌56 | 7°48 | 4♏23 | 0♏32 | 17° 2 | 20°26 | 21°57 | 29°12 | 20°27 | S 2 |
| S 3 | 13 9 25 | 19°11'22 | 29°54 | 24° 7 | 8°43 | 20°34 | 23°54 | 7°52 | 4°21 | 0°30 | 17° 4 | 20°27 | 21°54 | 29°19 | 20°31 | S 3 |
| M 4 | 13 13 22 | 20° 9'48 | 13♊59 | 25°33 | 9°52 | 21°19 | 23°52 | 7°55 | 4°19 | 0°28 | 17° 5 | 20°R28 | 21°51 | 29°26 | 20°34 | M 4 |
| T 5 | 13 17 18 | 21° 8'12 | 28°10 | 27° 0 | 11° 2 | 22° 4 | 23°50 | 7°59 | 4°16 | 0°27 | 17° 6 | 20°28 | 21°47 | 29°33 | 20°37 | T 5 |
| W 6 | 13 21 15 | 22° 6'34 | 12♒26 | 28°29 | 12°12 | 22°50 | 23°49 | 8° 3 | 4°14 | 0°25 | 17° 7 | 20°27 | 21°44 | 29°39 | 20°41 | W 6 |
| T 7 | 13 25 11 | 23° 4'54 | 26°44 | 0♈ 0 | 13°22 | 23°35 | 23°47 | 8° 6 | 4°11 | 0°24 | 17° 9 | 20°25 | 21°41 | 29°46 | 20°44 | T 7 |
| F 8 | 13 29 8 | 24° 3'13 | 10♓59 | 1°33 | 14°32 | 24°20 | 23°46 | 8° 9 | 4° 9 | 0°22 | 17°10 | 20°21 | 21°38 | 29°53 | 20°47 | F 8 |
| S 9 | 13 33 4 | 25° 1'31 | 25° 9 | 3° 8 | 15°42 | 25° 5 | 23°45 | 8°13 | 4° 6 | 0°20 | 17°11 | 20°17 | 21°35 | 29°59 | 20°50 | S 9 |
| S 10 | 13 37 1 | 25°59'46 | 9♈ 9 | 4°45 | 16°52 | 25°50 | 23°45 | 8°16 | 4° 4 | 0°19 | 17°12 | 20°14 | 21°31 | 0♌ 6 | 20°53 | S 10 |
| M11 | 13 40 58 | 26°58'00 | 22°54 | 6°23 | 18° 2 | 26°35 | 23°44 | 8°19 | 4° 1 | 0°17 | 17°14 | 20°11 | 21°28 | 0°13 | 20°56 | M11 |
| T 12 | 13 44 54 | 27°56'13 | 6♉23 | 8° 3 | 19°12 | 27°20 | 23°43 | 8°22 | 3°59 | 0°15 | 17°15 | 20° 9 | 21°25 | 0°20 | 20°59 | T 12 |
| W13 | 13 48 51 | 28°54'23 | 19°32 | 9°46 | 20°23 | 28° 6 | 23°43 | 8°25 | 3°56 | 0°14 | 17°16 | 20°D 9 | 21°22 | 0°26 | 21° 3 | W13 |
| T 14 | 13 52 47 | 29°52'32 | 2♊22 | 11°30 | 21°33 | 28°51 | 23°D43 | 8°28 | 3°54 | 0°12 | 17°18 | 20° 9 | 21°19 | 0°33 | 21° 6 | T 14 |
| F 15 | 13 56 44 | 0♉50'39 | 14°55 | 13°15 | 22°43 | 29°36 | 23°43 | 8°31 | 3°51 | 0°11 | 17°19 | 20°10 | 21°16 | 0°40 | 21° 9 | F 15 |
| S 16 | 14 0 40 | 1°48'44 | 27°12 | 15° 3 | 23°54 | 0♓21 | 23°44 | 8°33 | 3°49 | 0° 9 | 17°20 | 20°12 | 21°12 | 0°46 | 21°12 | S 16 |
| S 17 | 14 4 37 | 2°46'47 | 9♋16 | 16°52 | 25° 4 | 1° 6 | 23°44 | 8°36 | 3°46 | 0° 7 | 17°21 | 20°13 | 21° 9 | 0°53 | 21°15 | S 17 |
| M18 | 14 8 33 | 3°44'48 | 21°13 | 18°44 | 26°15 | 1°51 | 23°45 | 8°38 | 3°44 | 0° 6 | 17°23 | 20°14 | 21° 6 | 1° 0 | 21°17 | M18 |
| T 19 | 14 12 30 | 4°42'47 | 3♌ 5 | 20°37 | 27°25 | 2°36 | 23°46 | 8°41 | 3°41 | 0° 4 | 17°24 | 20°R15 | 21° 3 | 1° 7 | 21°20 | T 19 |
| W20 | 14 16 27 | 5°40'44 | 14°59 | 22°32 | 28°36 | 3°21 | 23°47 | 8°43 | 3°39 | 0° 2 | 17°25 | 20°15 | 21° 0 | 1°13 | 21°23 | W20 |
| T 21 | 14 20 23 | 6°38'39 | 26°59 | 24°29 | 29°46 | 4° 5 | 23°48 | 8°45 | 3°36 | 0° 1 | 17°27 | 20°14 | 20°56 | 1°20 | 21°26 | T 21 |
| F 22 | 14 24 20 | 7°36'33 | 9♍ 9 | 26°27 | 0♈57 | 4°50 | 23°49 | 8°48 | 3°34 | 29♎59 | 17°28 | 20°12 | 20°53 | 1°27 | 21°29 | F 22 |
| S 23 | 14 28 16 | 8°34'25 | 21°32 | 28°28 | 2° 8 | 5°35 | 23°51 | 8°50 | 3°31 | 29°58 | 17°29 | 20°11 | 20°50 | 1°33 | 21°31 | S 23 |
| S 24 | 14 32 13 | 9°32'15 | 4♎12 | 0♉30 | 3°19 | 6°20 | 23°53 | 8°51 | 3°29 | 29°56 | 17°31 | 20° 9 | 20°47 | 1°40 | 21°34 | S 24 |
| M25 | 14 36 9 | 10°30'03 | 17°11 | 2°34 | 4°29 | 7° 5 | 23°55 | 8°53 | 3°26 | 29°54 | 17°32 | 20° 8 | 20°44 | 1°47 | 21°37 | M25 |
| T 26 | 14 40 6 | 11°27'50 | 0♏28 | 4°39 | 5°40 | 7°50 | 23°57 | 8°55 | 3°24 | 29°53 | 17°33 | 20° 7 | 20°41 | 1°54 | 21°40 | T 26 |
| W27 | 14 44 2 | 12°25'35 | 14° 4 | 6°45 | 6°51 | 8°34 | 23°59 | 8°57 | 3°21 | 29°51 | 17°35 | 20°D 7 | 20°37 | 2° 0 | 21°42 | W27 |
| T 28 | 14 47 59 | 13°23'19 | 27°56 | 8°53 | 8° 2 | 9°19 | 24° 1 | 8°58 | 3°19 | 29°50 | 17°36 | 20° 7 | 20°34 | 2° 7 | 21°45 | T 28 |
| F 29 | 14 51 55 | 14°21'01 | 12♐ 1 | 11° 2 | 9°13 | 10° 4 | 24° 4 | 9° 0 | 3°16 | 29°48 | 17°38 | 20° 7 | 20°31 | 2°14 | 21°47 | F 29 |
| S 30 | 14 55 52 | 15♉18'42 | 26♐16 | 13♉13 | 10♈24 | 10♓49 | 24♌ 7 | 9♒ 1 | 3♏14 | 29♎46 | 17♉39 | 20♏ 8 | 20♏28 | 2♌20 | 21♓50 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 6n48 | 19s39 | 1n 4 | 5s49 | 2s36 | 10s 2 | 0s54 | 16s28 | 1s21 | 14n52 | 1n21 | 19s 5 | 0s41 | 12s36 | 0n29 | 9s56 | 1n55 | 4n13 | 13s18 | 17s56 | 18s21 | 15n48 | 0s 9 | 4n 0 | |
| S 2 | 7 10 | 20 34 | 2 15 | 5 19 | 2 38 | 9 39 | 0 57 | 16 14 | 1 22 | 14 52 | 1 21 | 19 4 | 0 41 | 12 35 | 0 29 | 9 55 | 1 55 | 4 14 | 13 18 | 17 56 | 18 20 | 15 46 | 0 8 | 4 0 | |
| S 3 | 7 33 | 20 14 | 3 19 | 4 47 | 2 39 | 9 16 | 1 0 | 16 1 | 1 23 | 14 53 | 1 20 | 19 3 | 0 41 | 12 35 | 0 29 | 9 55 | 1 55 | 4 14 | 13 17 | 17 57 | 18 19 | 15 44 | 0 6 | 4 0 | |
| M 4 | 7 55 | 18 38 | 4 12 | 4 13 | 2 40 | 8 52 | 1 3 | 15 47 | 1 24 | 14 53 | 1 20 | 19 2 | 0 41 | 12 34 | 0 29 | 9 54 | 1 55 | 4 15 | 13 17 | 17 57 | 18 19 | 15 42 | 0 5 | 4 0 | |
| T 5 | 8 17 | 15 53 | 4 50 | 3 39 | 2 40 | 8 28 | 1 5 | 15 33 | 1 24 | 14 54 | 1 20 | 19 1 | 0 41 | 12 33 | 0 29 | 9 54 | 1 55 | 4 15 | 13 17 | 17 57 | 18 18 | 15 41 | 0 4 | 4 0 | |
| W 6 | 8 39 | 12 11 | 5 10 | 3 3 | 2 40 | 8 4 | 1 8 | 15 19 | 1 25 | 14 54 | 1 20 | 19 1 | 0 42 | 12 32 | 0 29 | 9 53 | 1 55 | 4 16 | 13 17 | 17 57 | 18 17 | 15 39 | 0 2 | 4 0 | |
| T 7 | 9 1 | 7 47 | 5 11 | 2 25 | 2 39 | 7 40 | 1 11 | 15 4 | 1 26 | 14 54 | 1 20 | 19 0 | 0 42 | 12 31 | 0 29 | 9 52 | 1 55 | 4 16 | 13 17 | 17 56 | 18 16 | 15 37 | 0 1 | 4 0 | |
| F 8 | 9 22 | 2 57 | 4 53 | 1 47 | 2 37 | 7 15 | 1 14 | 14 50 | 1 27 | 14 55 | 1 20 | 18 59 | 0 42 | 12 31 | 0 29 | 9 52 | 1 55 | 4 17 | 13 17 | 17 55 | 18 15 | 15 36 | 0n 0 | 4 0 | |
| S 9 | 9 44 | 2n 0 | 4 17 | 1 7 | 2 35 | 6 50 | 1 16 | 14 35 | 1 27 | 14 55 | 1 19 | 18 58 | 0 42 | 12 30 | 0 29 | 9 51 | 1 55 | 4 17 | 13 17 | 17 54 | 18 14 | 15 34 | 0 2 | 4 0 | |
| S 10 | 10 5 | 6 48 | 3 26 | 0 27 | 2 33 | 6 25 | 1 18 | 14 21 | 1 28 | 14 55 | 1 19 | 18 58 | 0 42 | 12 29 | 0 29 | 9 51 | 1 55 | 4 18 | 13 16 | 17 53 | 18 14 | 15 32 | 0 3 | 4 0 | |
| M11 | 10 26 | 11 11 | 2 24 | 0n15 | 2 30 | 5 59 | 1 21 | 14 6 | 1 29 | 14 55 | 1 19 | 18 57 | 0 42 | 12 28 | 0 29 | 9 50 | 1 55 | 4 18 | 13 16 | 17 52 | 18 13 | 15 31 | 0 4 | 4 0 | |
| T 12 | 10 47 | 14 53 | 1 15 | 0 58 | 2 26 | 5 34 | 1 23 | 13 51 | 1 30 | 14 55 | 1 19 | 18 56 | 0 42 | 12 27 | 0 29 | 9 50 | 1 55 | 4 19 | 13 16 | 17 52 | 18 12 | 15 29 | 0 6 | 4 0 | |
| W13 | 11 8 | 17 45 | 0 3 | 1 43 | 2 22 | 5 8 | 1 25 | 13 36 | 1 30 | 14 55 | 1 19 | 18 56 | 0 43 | 12 26 | 0 29 | 9 49 | 1 55 | 4 19 | 13 16 | 17 52 | 18 11 | 15 27 | 0 7 | 4 0 | |
| T 14 | 11 29 | 19 38 | 1s 7 | 2 28 | 2 17 | 4 42 | 1 27 | 13 21 | 1 31 | 14 55 | 1 19 | 18 55 | 0 43 | 12 25 | 0 29 | 9 48 | 1 55 | 4 19 | 13 16 | 17 52 | 18 10 | 15 25 | 0 8 | 4 0 | |
| F 15 | 11 49 | 20 30 | 2 12 | 3 14 | 2 12 | 4 16 | 1 29 | 13 6 | 1 32 | 14 54 | 1 18 | 18 54 | 0 43 | 12 25 | 0 29 | 9 48 | 1 55 | 4 20 | 13 16 | 17 52 | 18 9 | 15 24 | 0 9 | 4 1 | |
| S 16 | 12 9 | 20 21 | 3 10 | 4 1 | 2 6 | 3 50 | 1 31 | 12 50 | 1 32 | 14 54 | 1 18 | 18 54 | 0 43 | 12 24 | 0 29 | 9 47 | 1 55 | 4 20 | 13 16 | 17 53 | 18 9 | 15 22 | 0 11 | 4 1 | |
| S 17 | 12 30 | 19 15 | 3 59 | 4 49 | 2 0 | 3 23 | 1 33 | 12 35 | 1 33 | 14 54 | 1 18 | 18 53 | 0 43 | 12 23 | 0 29 | 9 47 | 1 55 | 4 21 | 13 16 | 17 53 | 18 8 | 15 20 | 0 12 | 4 1 | |
| M18 | 12 49 | 17 19 | 4 36 | 5 37 | 1 54 | 2 57 | 1 35 | 12 20 | 1 34 | 14 53 | 1 18 | 18 53 | 0 43 | 12 22 | 0 29 | 9 46 | 1 55 | 4 21 | 13 16 | 17 53 | 18 7 | 15 19 | 0 13 | 4 1 | |
| T 19 | 13 9 | 14 39 | 5 2 | 6 27 | 1 46 | 2 30 | 1 36 | 12 4 | 1 34 | 14 53 | 1 18 | 18 52 | 0 43 | 12 21 | 0 29 | 9 45 | 1 55 | 4 22 | 13 15 | 17 53 | 18 6 | 15 17 | 0 14 | 4 1 | |
| W20 | 13 29 | 11 24 | 5 15 | 7 17 | 1 39 | 2 3 | 1 38 | 11 48 | 1 35 | 14 53 | 1 18 | 18 52 | 0 44 | 12 20 | 0 29 | 9 45 | 1 55 | 4 22 | 13 15 | 17 53 | 18 5 | 15 15 | 0 16 | 4 1 | |
| T 21 | 13 48 | 7 39 | 5 14 | 8 7 | 1 31 | 1 36 | 1 39 | 11 32 | 1 36 | 14 52 | 1 17 | 18 51 | 0 44 | 12 20 | 0 29 | 9 44 | 1 55 | 4 23 | 13 15 | 17 53 | 18 4 | 15 13 | 0 17 | 4 1 | |
| F 22 | 14 7 | 3 34 | 4 59 | 8 59 | 1 22 | 1 10 | 1 41 | 11 17 | 1 37 | 14 51 | 1 17 | 18 51 | 0 44 | 12 19 | 0 29 | 9 44 | 1 55 | 4 23 | 13 15 | 17 53 | 18 4 | 15 12 | 0 18 | 4 1 | |
| S 23 | 14 26 | 0s46 | 4 30 | 9 50 | 1 13 | 0 42 | 1 42 | 11 1 | 1 37 | 14 51 | 1 17 | 18 51 | 0 44 | 12 18 | 0 29 | 9 43 | 1 55 | 4 23 | 13 15 | 17 52 | 18 3 | 15 10 | 0 19 | 4 1 | |
| S 24 | 14 44 | 5 9 | 3 48 | 10 42 | 1 4 | 0 15 | 1 43 | 10 45 | 1 38 | 14 50 | 1 17 | 18 50 | 0 44 | 12 17 | 0 29 | 9 43 | 1 55 | 4 24 | 13 15 | 17 52 | 18 2 | 15 8 | 0 20 | 4 1 | |
| M25 | 15 2 | 9 26 | 2 52 | 11 34 | 0 54 | 0n12 | 1 44 | 10 28 | 1 38 | 14 49 | 1 17 | 18 50 | 0 44 | 12 16 | 0 29 | 9 42 | 1 55 | 4 24 | 13 15 | 17 52 | 18 1 | 15 6 | 0 21 | 4 2 | |
| T 26 | 15 20 | 13 21 | 1 47 | 12 26 | 0 45 | 0 39 | 1 45 | 10 12 | 1 39 | 14 48 | 1 16 | 18 50 | 0 44 | 12 15 | 0 29 | 9 42 | 1 55 | 4 25 | 13 15 | 17 51 | 18 0 | 15 5 | 0 23 | 4 2 | |
| W27 | 15 38 | 16 40 | 0 33 | 13 18 | 0 34 | 1 6 | 1 46 | 9 56 | 1 40 | 14 47 | 1 16 | 18 49 | 0 45 | 12 14 | 0 29 | 9 41 | 1 55 | 4 25 | 13 15 | 17 51 | 17 59 | 15 3 | 0 24 | 4 2 | |
| T 28 | 15 56 | 19 5 | 0n43 | 14 9 | 0 24 | 1 34 | 1 47 | 9 40 | 1 40 | 14 46 | 1 16 | 18 49 | 0 45 | 12 14 | 0 29 | 9 40 | 1 55 | 4 25 | 13 15 | 17 51 | 17 59 | 15 1 | 0 25 | 4 2 | |
| F 29 | 16 13 | 20 23 | 1 58 | 15 0 | 0 14 | 2 1 | 1 48 | 9 23 | 1 41 | 14 45 | 1 16 | 18 49 | 0 45 | 12 13 | 0 29 | 9 40 | 1 55 | 4 26 | 13 15 | 17 51 | 17 58 | 14 59 | 0 26 | 4 2 | |
| S 30 | 16n30 | 20s23 | 3n 7 | 15n50 | 0s 3 | 2n29 | 1s48 | 9s 7 | 1s42 | 14n44 | 1n16 | 18s49 | 0s45 | 12s12 | 0n29 | 9s39 | 1n55 | 4n26 | 13s15 | 17s51 | 17s57 | 14n58 | 0n27 | 4n 2 | |

Julian Day Number = 2136802.5, Delta T = 15m49s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'33, Lahiri = 11°50'33 Julian Calendar 1 Apr. 1138 == Greg. Calendar 8 Apr. 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## MAY 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 59 49 | 16♉16'23 | 10♋35 | 15♉23 | 11♈35 | 11♓33 | 24♌10 | 9♒ 2 | 3°R11 | 29°R45 | 17♉40 | 20♏ 8 | 20♏25 | 2♌27 | 21♓52 | S 1 |
| M 2 | 15 3 45 | 17°14'02 | 24°56 | 17°35 | 12°46 | 12°18 | 24°13 | 9° 4 | 3♏ 9 | 29♎43 | 17°42 | 20° 8 | 20°22 | 2°34 | 21°55 | M 2 |
| T 3 | 15 7 42 | 18°11'40 | 9♒14 | 19°46 | 13°57 | 13° 2 | 24°16 | 9° 5 | 3° 6 | 29°42 | 17°43 | 20° 8 | 20°18 | 2°41 | 21°57 | T 3 |
| W 4 | 15 11 38 | 19° 9'17 | 23°27 | 21°58 | 15° 9 | 13°47 | 24°20 | 9° 6 | 3° 4 | 29°40 | 17°44 | 20°R 8 | 20°15 | 2°47 | 21°59 | W 4 |
| T 5 | 15 15 35 | 20° 6'53 | 7♓33 | 24° 9 | 16°20 | 14°31 | 24°23 | 9° 6 | 3° 2 | 29°39 | 17°46 | 20°D 8 | 20°12 | 2°54 | 22° 2 | T 5 |
| F 6 | 15 19 31 | 21° 4'28 | 21°29 | 26°19 | 17°31 | 15°16 | 24°27 | 9° 7 | 2°59 | 29°37 | 17°47 | 20° 8 | 20° 9 | 3° 1 | 22° 4 | F 6 |
| S 7 | 15 23 28 | 22° 2'02 | 5♈13 | 28°29 | 18°42 | 16° 0 | 24°31 | 9° 8 | 2°57 | 29°36 | 17°48 | 20° 9 | 20° 6 | 3° 7 | 22° 6 | S 7 |
| S 8 | 15 27 24 | 22°59'35 | 18°45 | 0♊38 | 19°54 | 16°45 | 24°35 | 9° 9 | 2°55 | 29°34 | 17°50 | 20° 9 | 20° 2 | 3°14 | 22° 8 | S 8 |
| M 9 | 15 31 21 | 23°57'07 | 2♉ 4 | 2°45 | 21° 5 | 17°29 | 24°40 | 9° 9 | 2°52 | 29°33 | 17°51 | 20° 9 | 19°59 | 3°21 | 22°10 | M 9 |
| T 10 | 15 35 18 | 24°54'38 | 15°10 | 4°51 | 22°17 | 18°13 | 24°44 | 9° 9 | 2°50 | 29°31 | 17°52 | 20°R 9 | 19°56 | 3°28 | 22°12 | T 10 |
| W11 | 15 39 14 | 25°52'08 | 28° 0 | 6°55 | 23°28 | 18°58 | 24°49 | 9°10 | 2°48 | 29°30 | 17°54 | 20° 9 | 19°53 | 3°34 | 22°14 | W11 |
| T 12 | 15 43 11 | 26°49'37 | 10♊37 | 8°57 | 24°39 | 19°42 | 24°53 | 9°10 | 2°45 | 29°29 | 17°55 | 20° 9 | 19°50 | 3°41 | 22°16 | T 12 |
| F 13 | 15 47 7 | 27°47'05 | 23° 1 | 10°57 | 25°51 | 20°26 | 24°58 | 9°R10 | 2°43 | 29°27 | 17°56 | 20° 8 | 19°47 | 3°48 | 22°18 | F 13 |
| S 14 | 15 51 4 | 28°44'32 | 5♋13 | 12°54 | 27° 2 | 21°10 | 25° 3 | 9°10 | 2°41 | 29°26 | 17°58 | 20° 7 | 19°43 | 3°54 | 22°20 | S 14 |
| S 15 | 15 55 0 | 29°41'58 | 17°15 | 14°50 | 28°14 | 21°54 | 25° 9 | 9°10 | 2°39 | 29°24 | 17°59 | 20° 6 | 19°40 | 4° 1 | 22°22 | S 15 |
| M16 | 15 58 57 | 0♊39'23 | 29°11 | 16°43 | 29°26 | 22°38 | 25°14 | 9°10 | 2°37 | 29°23 | 18° 0 | 20° 5 | 19°37 | 4° 8 | 22°24 | M16 |
| T 17 | 16 2 53 | 1°36'46 | 11♌ 4 | 18°33 | 0♉37 | 23°22 | 25°20 | 9° 9 | 2°35 | 29°22 | 18° 2 | 20° 3 | 19°34 | 4°15 | 22°26 | T 17 |
| W18 | 16 6 50 | 2°34'08 | 22°57 | 20°21 | 1°49 | 24° 6 | 25°25 | 9° 9 | 2°33 | 29°21 | 18° 3 | 20° 3 | 19°31 | 4°21 | 22°27 | W18 |
| T 19 | 16 10 47 | 3°31'29 | 4♍56 | 22° 6 | 3° 1 | 24°50 | 25°31 | 9° 8 | 2°30 | 29°19 | 18° 4 | 20°D 2 | 19°28 | 4°28 | 22°29 | T 19 |
| F 20 | 16 14 43 | 4°28'49 | 17° 5 | 23°49 | 4°12 | 25°33 | 25°37 | 9° 8 | 2°28 | 29°18 | 18° 6 | 20° 3 | 19°24 | 4°35 | 22°31 | F 20 |
| S 21 | 16 18 40 | 5°26'08 | 29°28 | 25°29 | 5°24 | 26°17 | 25°43 | 9° 7 | 2°26 | 29°17 | 18° 7 | 20° 4 | 19°21 | 4°41 | 22°32 | S 21 |
| S 22 | 16 22 36 | 6°23'26 | 12♎ 9 | 27° 6 | 6°36 | 27° 1 | 25°49 | 9° 6 | 2°25 | 29°15 | 18° 8 | 20° 5 | 19°18 | 4°48 | 22°34 | S 22 |
| M23 | 16 26 33 | 7°20'43 | 25°12 | 28°41 | 7°47 | 27°44 | 25°56 | 9° 5 | 2°23 | 29°14 | 18°10 | 20° 6 | 19°15 | 4°55 | 22°35 | M23 |
| T 24 | 16 30 29 | 8°17'59 | 8♏39 | 0♋13 | 8°59 | 28°28 | 26° 2 | 9° 4 | 2°21 | 29°13 | 18°11 | 20° 7 | 19°12 | 5° 2 | 22°37 | T 24 |
| W25 | 16 34 26 | 9°15'14 | 22°29 | 1°42 | 10°11 | 29°11 | 26° 9 | 9° 3 | 2°19 | 29°12 | 18°12 | 20°R 7 | 19° 8 | 5° 8 | 22°38 | W25 |
| T 26 | 16 38 22 | 10°12'29 | 6♐41 | 3° 9 | 11°23 | 29°55 | 26°16 | 9° 2 | 2°17 | 29°11 | 18°14 | 20° 7 | 19° 5 | 5°15 | 22°39 | T 26 |
| F 27 | 16 42 19 | 11° 9'43 | 21°10 | 4°33 | 12°35 | 0♈38 | 26°23 | 9° 1 | 2°15 | 29°10 | 18°15 | 20° 5 | 19° 2 | 5°22 | 22°41 | F 27 |
| S 28 | 16 46 16 | 12° 6'57 | 5♑52 | 5°53 | 13°47 | 1°21 | 26°30 | 9° 0 | 2°14 | 29° 9 | 18°16 | 20° 3 | 18°59 | 5°29 | 22°42 | S 28 |
| S 29 | 16 50 12 | 13° 4'10 | 20°38 | 7°12 | 14°59 | 2° 4 | 26°37 | 8°58 | 2°12 | 29° 7 | 18°17 | 20° 0 | 18°56 | 5°35 | 22°43 | S 29 |
| M30 | 16 54 9 | 14° 1'22 | 5♒22 | 8°27 | 16°11 | 2°47 | 26°44 | 8°57 | 2°10 | 29° 6 | 18°19 | 19°57 | 18°53 | 5°42 | 22°44 | M30 |
| T 31 | 16 58 5 | 14♊58'35 | 19♒57 | 9♋39 | 17♉23 | 3♈30 | 26♌52 | 8♒55 | 2♏ 8 | 29♎ 5 | 18♉20 | 19♏54 | 18♏49 | 5♌49 | 22♓45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n47 | 19s 4 | 4n 5 | 16n39 | 0n 8 | 2n56 | 1s49 | 8s50 | 1s42 | 14n43 | 1n16 | 18s48 | 0s45 | 12s11 | 0n29 | 9s39 | 1n55 | 4n27 | 13s15 | 17s51 | 17s56 | 14n56 | 0n28 | 4n 2 |
| M 2 | 17 3 | 16 32 | 4 47 | 17 27 | 0 18 | 3 23 | 1 49 | 8 34 | 1 43 | 14 42 | 1 15 | 18 48 | 0 45 | 12 10 | 0 28 | 9 38 | 1 55 | 4 27 | 13 15 | 17 52 | 17 55 | 14 54 | 0 29 | 4 2 |
| T 3 | 17 20 | 13 1 | 5 11 | 18 13 | 0 28 | 3 51 | 1 50 | 8 17 | 1 43 | 14 40 | 1 15 | 18 48 | 0 46 | 12 10 | 0 28 | 9 38 | 1 55 | 4 27 | 13 15 | 17 52 | 17 54 | 14 52 | 0 30 | 4 2 |
| W 4 | 17 36 | 8 47 | 5 17 | 18 58 | 0 39 | 4 18 | 1 50 | 8 0 | 1 44 | 14 39 | 1 15 | 18 48 | 0 46 | 12 9 | 0 28 | 9 37 | 1 55 | 4 28 | 13 15 | 17 52 | 17 53 | 14 51 | 0 31 | 4 3 |
| T 5 | 17 51 | 4 6 | 5 3 | 19 41 | 0 49 | 4 45 | 1 50 | 7 44 | 1 45 | 14 38 | 1 15 | 18 48 | 0 46 | 12 8 | 0 28 | 9 37 | 1 54 | 4 28 | 13 15 | 17 52 | 17 53 | 14 49 | 0 32 | 4 3 |
| F 6 | 18 7 | 0n45 | 4 31 | 20 22 | 0 58 | 5 12 | 1 51 | 7 27 | 1 45 | 14 36 | 1 15 | 18 48 | 0 46 | 12 7 | 0 28 | 9 36 | 1 54 | 4 29 | 13 15 | 17 52 | 17 52 | 14 47 | 0 33 | 4 3 |
| S 7 | 18 22 | 5 31 | 3 44 | 21 0 | 1 7 | 5 39 | 1 51 | 7 10 | 1 46 | 14 35 | 1 15 | 18 48 | 0 46 | 12 6 | 0 28 | 9 36 | 1 54 | 4 29 | 13 14 | 17 52 | 17 51 | 14 45 | 0 34 | 4 3 |
| S 8 | 18 36 | 9 56 | 2 45 | 21 37 | 1 16 | 6 6 | 1 51 | 6 53 | 1 46 | 14 33 | 1 14 | 18 48 | 0 46 | 12 6 | 0 28 | 9 35 | 1 54 | 4 29 | 13 14 | 17 52 | 17 50 | 14 44 | 0 35 | 4 3 |
| M 9 | 18 51 | 13 47 | 1 39 | 22 11 | 1 24 | 6 33 | 1 51 | 6 36 | 1 47 | 14 32 | 1 14 | 18 48 | 0 47 | 12 5 | 0 28 | 9 35 | 1 54 | 4 30 | 13 14 | 17 52 | 17 49 | 14 42 | 0 36 | 4 3 |
| T 10 | 19 5 | 16 54 | 0 28 | 22 42 | 1 32 | 7 0 | 1 50 | 6 19 | 1 47 | 14 30 | 1 14 | 18 48 | 0 47 | 12 4 | 0 28 | 9 34 | 1 54 | 4 30 | 13 14 | 17 52 | 17 48 | 14 40 | 0 37 | 4 3 |
| W11 | 19 19 | 19 6 | 0s43 | 23 11 | 1 39 | 7 27 | 1 50 | 6 2 | 1 48 | 14 28 | 1 14 | 18 48 | 0 47 | 12 3 | 0 28 | 9 34 | 1 54 | 4 30 | 13 14 | 17 52 | 17 47 | 14 38 | 0 38 | 4 4 |
| T 12 | 19 32 | 20 19 | 1 51 | 23 37 | 1 45 | 7 54 | 1 50 | 5 45 | 1 48 | 14 27 | 1 14 | 18 48 | 0 47 | 12 2 | 0 28 | 9 33 | 1 54 | 4 31 | 13 14 | 17 52 | 17 47 | 14 37 | 0 39 | 4 4 |
| F 13 | 19 45 | 20 30 | 2 52 | 24 1 | 1 50 | 8 20 | 1 49 | 5 28 | 1 49 | 14 25 | 1 14 | 18 48 | 0 47 | 12 2 | 0 28 | 9 33 | 1 54 | 4 31 | 13 15 | 17 52 | 17 46 | 14 35 | 0 40 | 4 4 |
| S 14 | 19 58 | 19 43 | 3 44 | 24 21 | 1 55 | 8 46 | 1 49 | 5 11 | 1 49 | 14 23 | 1 13 | 18 48 | 0 47 | 12 1 | 0 28 | 9 32 | 1 54 | 4 31 | 13 15 | 17 51 | 17 45 | 14 33 | 0 41 | 4 4 |
| S 15 | 20 11 | 18 2 | 4 26 | 24 39 | 1 59 | 9 13 | 1 48 | 4 54 | 1 50 | 14 21 | 1 13 | 18 49 | 0 47 | 12 0 | 0 28 | 9 32 | 1 54 | 4 32 | 13 15 | 17 51 | 17 44 | 14 31 | 0 42 | 4 4 |
| M16 | 20 23 | 15 36 | 4 56 | 24 55 | 2 3 | 9 39 | 1 48 | 4 37 | 1 50 | 14 19 | 1 13 | 18 49 | 0 48 | 12 0 | 0 28 | 9 32 | 1 54 | 4 32 | 13 15 | 17 51 | 17 43 | 14 29 | 0 43 | 4 4 |
| T 17 | 20 35 | 12 31 | 5 12 | 25 8 | 2 5 | 10 4 | 1 47 | 4 20 | 1 51 | 14 17 | 1 13 | 18 49 | 0 48 | 11 59 | 0 28 | 9 31 | 1 54 | 4 32 | 13 15 | 17 50 | 17 42 | 14 28 | 0 43 | 4 4 |
| W18 | 20 46 | 8 57 | 5 16 | 25 19 | 2 7 | 10 30 | 1 46 | 4 3 | 1 51 | 14 15 | 1 13 | 18 49 | 0 48 | 11 58 | 0 28 | 9 31 | 1 54 | 4 33 | 13 15 | 17 50 | 17 41 | 14 26 | 0 44 | 4 5 |
| T 19 | 20 57 | 5 0 | 5 6 | 25 27 | 2 8 | 10 55 | 1 45 | 3 46 | 1 52 | 14 13 | 1 13 | 18 50 | 0 48 | 11 57 | 0 28 | 9 30 | 1 54 | 4 33 | 13 15 | 17 50 | 17 41 | 14 24 | 0 45 | 4 5 |
| F 20 | 21 8 | 0 48 | 4 42 | 25 33 | 2 9 | 11 21 | 1 44 | 3 29 | 1 52 | 14 11 | 1 12 | 18 50 | 0 48 | 11 57 | 0 28 | 9 30 | 1 54 | 4 33 | 13 15 | 17 50 | 17 40 | 14 22 | 0 46 | 4 5 |
| S 21 | 21 18 | 3s31 | 4 5 | 25 36 | 2 8 | 11 46 | 1 43 | 3 12 | 1 53 | 14 8 | 1 12 | 18 50 | 0 48 | 11 56 | 0 28 | 9 29 | 1 54 | 4 34 | 13 15 | 17 50 | 17 39 | 14 21 | 0 47 | 4 5 |
| S 22 | 21 28 | 7 48 | 3 15 | 25 38 | 2 7 | 12 10 | 1 42 | 2 55 | 1 53 | 14 6 | 1 12 | 18 51 | 0 49 | 11 55 | 0 28 | 9 29 | 1 54 | 4 34 | 13 15 | 17 51 | 17 38 | 14 19 | 0 47 | 4 5 |
| M23 | 21 38 | 11 52 | 2 13 | 25 38 | 2 5 | 12 35 | 1 41 | 2 38 | 1 53 | 14 4 | 1 12 | 18 51 | 0 49 | 11 55 | 0 28 | 9 29 | 1 54 | 4 34 | 13 15 | 17 51 | 17 37 | 14 17 | 0 48 | 4 5 |
| T 24 | 21 47 | 15 26 | 1 3 | 25 35 | 2 2 | 12 59 | 1 40 | 2 21 | 1 54 | 14 1 | 1 12 | 18 51 | 0 49 | 11 54 | 0 28 | 9 28 | 1 54 | 4 34 | 13 15 | 17 51 | 17 36 | 14 15 | 0 49 | 4 6 |
| W25 | 21 56 | 18 16 | 0n13 | 25 31 | 1 59 | 13 23 | 1 39 | 2 4 | 1 54 | 13 59 | 1 12 | 18 52 | 0 49 | 11 54 | 0 28 | 9 28 | 1 54 | 4 35 | 13 15 | 17 51 | 17 35 | 14 13 | 0 49 | 4 6 |
| T 26 | 22 5 | 20 3 | 1 30 | 25 26 | 1 55 | 13 46 | 1 37 | 1 47 | 1 55 | 13 56 | 1 12 | 18 52 | 0 49 | 11 53 | 0 28 | 9 28 | 1 54 | 4 35 | 13 15 | 17 51 | 17 34 | 14 12 | 0 50 | 4 6 |
| F 27 | 22 13 | 20 33 | 2 43 | 25 18 | 1 50 | 14 10 | 1 36 | 1 30 | 1 55 | 13 54 | 1 11 | 18 53 | 0 49 | 11 52 | 0 28 | 9 27 | 1 54 | 4 35 | 13 15 | 17 51 | 17 34 | 14 10 | 0 51 | 4 6 |
| S 28 | 22 21 | 19 40 | 3 46 | 25 10 | 1 45 | 14 33 | 1 34 | 1 13 | 1 55 | 13 51 | 1 11 | 18 53 | 0 50 | 11 52 | 0 28 | 9 27 | 1 54 | 4 35 | 13 15 | 17 50 | 17 33 | 14 8 | 0 51 | 4 6 |
| S 29 | 22 28 | 17 27 | 4 34 | 25 0 | 1 39 | 14 55 | 1 33 | 0 57 | 1 56 | 13 49 | 1 11 | 18 54 | 0 50 | 11 51 | 0 28 | 9 27 | 1 54 | 4 36 | 13 15 | 17 49 | 17 32 | 14 6 | 0 52 | 4 6 |
| M30 | 22 35 | 14 6 | 5 4 | 24 48 | 1 32 | 15 18 | 1 31 | 0 40 | 1 56 | 13 46 | 1 11 | 18 54 | 0 50 | 11 51 | 0 28 | 9 26 | 1 54 | 4 36 | 13 15 | 17 48 | 17 31 | 14 4 | 0 53 | 4 7 |
| T 31 | 22n42 | 9s56 | 5n14 | 24n36 | 1n24 | 15n40 | 1s30 | 0s23 | 1s56 | 13n43 | 1n11 | 18s55 | 0s50 | 11s50 | 0n28 | 9s26 | 1n54 | 4n36 | 13s15 | 17s48 | 17s30 | 14n 3 | 0n53 | 4n 7 |

Julian Day Number = 2136832.5, Delta T = 15m49s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'37, Lahiri = 11°50'38 Julian Calendar 1 May 1138 == Greg. Calendar 8 May 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## JUNE 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 2 2 | 15♊55'47 | 4♓18 | 10♋48 | 18♉35 | 4♈13 | 26♌59 | 8°R53 | 2°R 7 | 29°R 4 | 18♉21 | 19°R53 | 18♏46 | 5♌55 | 22♓46 | W 1 |
| T 2 | 17 5 58 | 16°52'59 | 18°22 | 11°54 | 19°47 | 4°56 | 27° 7 | 8♒51 | 2♏ 5 | 29♎ 3 | 18°22 | 19°D52 | 18°43 | 6° 2 | 22°47 | T 2 |
| F 3 | 17 9 55 | 17°50'11 | 2♈ 8 | 12°57 | 20°59 | 5°39 | 27°15 | 8°50 | 2° 4 | 29° 2 | 18°23 | 19♏53 | 18°40 | 6° 9 | 22°48 | F 3 |
| S 4 | 17 13 52 | 18°47'23 | 15°36 | 13°57 | 22°11 | 6°22 | 27°23 | 8°48 | 2° 2 | 29° 2 | 18°25 | 19°54 | 18°37 | 6°16 | 22°49 | S 4 |
| S 5 | 17 17 48 | 19°44'35 | 28°48 | 14°54 | 23°23 | 7° 4 | 27°31 | 8°45 | 2° 1 | 29° 1 | 18°26 | 19°56 | 18°34 | 6°22 | 22°50 | S 5 |
| M 6 | 17 21 45 | 20°41'47 | 11♉45 | 15°47 | 24°36 | 7°47 | 27°39 | 8°43 | 2° 0 | 29° 0 | 18°27 | 19°57 | 18°30 | 6°29 | 22°51 | M 6 |
| T 7 | 17 25 41 | 21°38'58 | 24°29 | 16°37 | 25°48 | 8°29 | 27°47 | 8°41 | 1°58 | 28°59 | 18°28 | 19°R57 | 18°27 | 6°36 | 22°51 | T 7 |
| W 8 | 17 29 38 | 22°36'10 | 7♊ 1 | 17°22 | 27° 0 | 9°12 | 27°56 | 8°39 | 1°57 | 28°58 | 18°29 | 19°56 | 18°24 | 6°42 | 22°52 | W 8 |
| T 9 | 17 33 34 | 23°33'22 | 19°22 | 18° 5 | 28°12 | 9°54 | 28° 4 | 8°36 | 1°56 | 28°57 | 18°31 | 19°53 | 18°21 | 6°49 | 22°52 | T 9 |
| F 10 | 17 37 31 | 24°30'33 | 1♋34 | 18°43 | 29°25 | 10°36 | 28°13 | 8°34 | 1°54 | 28°57 | 18°32 | 19°49 | 18°18 | 6°56 | 22°53 | F 10 |
| S 11 | 17 41 27 | 25°27'45 | 13°39 | 19°17 | 0♊37 | 11°18 | 28°21 | 8°31 | 1°53 | 28°56 | 18°33 | 19°43 | 18°14 | 7° 3 | 22°54 | S 11 |
| S 12 | 17 45 24 | 26°24'56 | 25°36 | 19°48 | 1°50 | 12° 0 | 28°30 | 8°28 | 1°52 | 28°55 | 18°34 | 19°36 | 18°11 | 7° 9 | 22°54 | S 12 |
| M13 | 17 49 21 | 27°22'07 | 7♌30 | 20°14 | 3° 2 | 12°42 | 28°39 | 8°26 | 1°51 | 28°54 | 18°35 | 19°30 | 18° 8 | 7°16 | 22°54 | M13 |
| T 14 | 17 53 17 | 28°19'17 | 19°22 | 20°36 | 4°14 | 13°24 | 28°48 | 8°23 | 1°50 | 28°54 | 18°36 | 19°24 | 18° 5 | 7°23 | 22°55 | T 14 |
| W15 | 17 57 14 | 29°16'28 | 1♍14 | 20°53 | 5°27 | 14° 5 | 28°57 | 8°20 | 1°49 | 28°53 | 18°37 | 19°19 | 18° 2 | 7°29 | 22°55 | W15 |
| T 16 | 18 1 10 | 0♋13'38 | 13°11 | 21° 5 | 6°39 | 14°47 | 29° 7 | 8°17 | 1°48 | 28°53 | 18°38 | 19°16 | 17°59 | 7°36 | 22°55 | T 16 |
| F 17 | 18 5 7 | 1°10'48 | 25°18 | 21°14 | 7°52 | 15°28 | 29°16 | 8°14 | 1°47 | 28°52 | 18°39 | 19°14 | 17°55 | 7°43 | 22°55 | F 17 |
| S 18 | 18 9 3 | 2° 7'58 | 7♎38 | 21°R17 | 9° 5 | 16°10 | 29°26 | 8°11 | 1°46 | 28°51 | 18°40 | 19°D14 | 17°52 | 7°50 | 22°55 | S 18 |
| S 19 | 18 13 0 | 3° 5'08 | 20°16 | 21°16 | 10°17 | 16°51 | 29°35 | 8° 8 | 1°46 | 28°51 | 18°41 | 19°15 | 17°49 | 7°56 | 22°56 | S 19 |
| M20 | 18 16 56 | 4° 2'18 | 3♏16 | 21°10 | 11°30 | 17°32 | 29°45 | 8° 4 | 1°45 | 28°51 | 18°42 | 19°16 | 17°46 | 8° 3 | 22°R56 | M20 |
| T 21 | 18 20 53 | 4°59'27 | 16°43 | 20°59 | 12°42 | 18°13 | 29°54 | 8° 1 | 1°44 | 28°50 | 18°43 | 19°R17 | 17°43 | 8°10 | 22°56 | T 21 |
| W22 | 18 24 50 | 5°56'37 | 0♐37 | 20°43 | 13°55 | 18°54 | 0♍ 4 | 7°58 | 1°43 | 28°50 | 18°44 | 19°17 | 17°40 | 8°17 | 22°55 | W22 |
| T 23 | 18 28 46 | 6°53'47 | 14°58 | 20°24 | 15° 8 | 19°35 | 0°14 | 7°54 | 1°43 | 28°49 | 18°45 | 19°14 | 17°36 | 8°23 | 22°55 | T 23 |
| F 24 | 18 32 43 | 7°50'57 | 29°42 | 20° 0 | 16°21 | 20°16 | 0°24 | 7°51 | 1°42 | 28°49 | 18°46 | 19°10 | 17°33 | 8°30 | 22°55 | F 24 |
| S 25 | 18 36 39 | 8°48'07 | 14♑43 | 19°32 | 17°33 | 20°56 | 0°34 | 7°47 | 1°42 | 28°49 | 18°47 | 19° 4 | 17°30 | 8°37 | 22°55 | S 25 |
| S 26 | 18 40 36 | 9°45'18 | 29°52 | 19° 1 | 18°46 | 21°37 | 0°44 | 7°43 | 1°41 | 28°48 | 18°48 | 18°56 | 17°27 | 8°43 | 22°55 | S 26 |
| M27 | 18 44 32 | 10°42'29 | 14♒58 | 18°26 | 19°59 | 22°17 | 0°55 | 7°40 | 1°41 | 28°48 | 18°49 | 18°49 | 17°24 | 8°50 | 22°54 | M27 |
| T 28 | 18 48 29 | 11°39'41 | 29°53 | 17°49 | 21°12 | 22°57 | 1° 5 | 7°36 | 1°41 | 28°48 | 18°50 | 18°42 | 17°20 | 8°57 | 22°54 | T 28 |
| W29 | 18 52 25 | 12°36'53 | 14♓28 | 17°10 | 22°25 | 23°37 | 1°16 | 7°32 | 1°40 | 28°48 | 18°51 | 18°37 | 17°17 | 9° 4 | 22°53 | W29 |
| T 30 | 18 56 22 | 13♋34'07 | 28♓39 | 16♋30 | 23♊38 | 24♈17 | 1♍26 | 7♒28 | 1♏40 | 28♎47 | 18♉52 | 18♏34 | 17♏14 | 9♌10 | 22♓53 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22n48 | 5s15 | 5n 4 | 24n22 | 1n16 | 16n 1 | 1s28 | 0s 6 | 1s57 | 13n41 | 1n11 | 18s56 | 0s50 | 11s50 | 0n28 | 9s26 | 1n54 | 4n36 | 13s16 | 17s47 | 17s29 | 14n 1 | 0n54 | 4n 7 | |
| T 2 | 22 54 | 0 23 | 4 36 | 24 8 | 1 7 | 16 23 | 1 26 | 0n11 | 1 57 | 13 38 | 1 11 | 18 56 | 0 50 | 11 49 | 0 28 | 9 25 | 1 53 | 4 37 | 13 16 | 17 47 | 17 28 | 13 59 | 0 54 | 4 7 | |
| F 3 | 22 59 | 4n24 | 3 53 | 23 52 | 0 58 | 16 44 | 1 24 | 0 28 | 1 57 | 13 35 | 1 10 | 18 57 | 0 50 | 11 49 | 0 28 | 9 25 | 1 53 | 4 37 | 13 16 | 17 47 | 17 27 | 13 57 | 0 55 | 4 7 | |
| S 4 | 23 4 | 8 53 | 2 57 | 23 36 | 0 48 | 17 4 | 1 23 | 0 44 | 1 58 | 13 32 | 1 10 | 18 57 | 0 51 | 11 48 | 0 28 | 9 25 | 1 53 | 4 37 | 13 16 | 17 48 | 17 27 | 13 55 | 0 55 | 4 7 | |
| S 5 | 23 9 | 12 52 | 1 53 | 23 20 | 0 37 | 17 24 | 1 21 | 1 1 | 1 58 | 13 29 | 1 10 | 18 58 | 0 51 | 11 48 | 0 28 | 9 24 | 1 53 | 4 37 | 13 16 | 17 48 | 17 26 | 13 54 | 0 56 | 4 8 | |
| M 6 | 23 13 | 16 8 | 0 45 | 23 2 | 0 26 | 17 44 | 1 19 | 1 17 | 1 58 | 13 26 | 1 10 | 18 59 | 0 51 | 11 47 | 0 28 | 9 24 | 1 53 | 4 38 | 13 16 | 17 49 | 17 25 | 13 52 | 0 56 | 4 8 | |
| T 7 | 23 17 | 18 35 | 0s25 | 22 45 | 0 14 | 18 3 | 1 17 | 1 34 | 1 58 | 13 23 | 1 10 | 19 0 | 0 51 | 11 47 | 0 28 | 9 24 | 1 53 | 4 38 | 13 16 | 17 49 | 17 24 | 13 50 | 0 57 | 4 8 | |
| W 8 | 23 20 | 20 4 | 1 32 | 22 27 | 0 2 | 18 22 | 1 15 | 1 51 | 1 59 | 13 20 | 1 10 | 19 0 | 0 51 | 11 46 | 0 28 | 9 24 | 1 53 | 4 38 | 13 16 | 17 48 | 17 23 | 13 48 | 0 57 | 4 8 | |
| T 9 | 23 23 | 20 34 | 2 34 | 22 8 | 0s11 | 18 40 | 1 13 | 2 7 | 1 59 | 13 17 | 1 10 | 19 1 | 0 51 | 11 46 | 0 28 | 9 23 | 1 53 | 4 38 | 13 16 | 17 47 | 17 22 | 13 46 | 0 58 | 4 8 | |
| F 10 | 23 26 | 20 5 | 3 27 | 21 50 | 0 24 | 18 58 | 1 11 | 2 23 | 1 59 | 13 14 | 1 9 | 19 2 | 0 52 | 11 46 | 0 28 | 9 23 | 1 53 | 4 38 | 13 17 | 17 46 | 17 21 | 13 44 | 0 58 | 4 8 | |
| S 11 | 23 28 | 18 41 | 4 11 | 21 32 | 0 38 | 19 15 | 1 8 | 2 40 | 1 59 | 13 11 | 1 9 | 19 3 | 0 52 | 11 45 | 0 28 | 9 23 | 1 53 | 4 38 | 13 17 | 17 45 | 17 20 | 13 43 | 0 58 | 4 9 | |
| S 12 | 23 30 | 16 28 | 4 43 | 21 13 | 0 52 | 19 32 | 1 6 | 2 56 | 2 0 | 13 8 | 1 9 | 19 4 | 0 52 | 11 45 | 0 28 | 9 23 | 1 53 | 4 39 | 13 17 | 17 43 | 17 19 | 13 41 | 0 59 | 4 9 | |
| M13 | 23 31 | 13 36 | 5 3 | 20 55 | 1 6 | 19 49 | 1 4 | 3 12 | 2 0 | 13 4 | 1 9 | 19 5 | 0 52 | 11 44 | 0 28 | 9 23 | 1 53 | 4 39 | 13 17 | 17 41 | 17 19 | 13 39 | 0 59 | 4 9 | |
| T 14 | 23 32 | 10 11 | 5 10 | 20 37 | 1 21 | 20 5 | 1 2 | 3 28 | 2 0 | 13 1 | 1 9 | 19 5 | 0 52 | 11 44 | 0 28 | 9 22 | 1 53 | 4 39 | 13 17 | 17 39 | 17 18 | 13 37 | 0 59 | 4 9 | |
| W15 | 23 33 | 6 22 | 5 3 | 20 20 | 1 36 | 20 20 | 1 0 | 3 44 | 2 0 | 12 58 | 1 9 | 19 6 | 0 52 | 11 44 | 0 27 | 9 22 | 1 53 | 4 39 | 13 17 | 17 38 | 17 17 | 13 35 | 0 59 | 4 9 | |
| T 16 | 23 33 | 2 16 | 4 43 | 20 3 | 1 52 | 20 35 | 0 57 | 4 0 | 2 0 | 12 54 | 1 9 | 19 7 | 0 52 | 11 44 | 0 27 | 9 22 | 1 53 | 4 39 | 13 17 | 17 37 | 17 16 | 13 33 | 1 0 | 4 10 | |
| F 17 | 23 33 | 1s57 | 4 11 | 19 47 | 2 7 | 20 49 | 0 55 | 4 16 | 2 0 | 12 51 | 1 9 | 19 8 | 0 53 | 11 43 | 0 27 | 9 22 | 1 53 | 4 39 | 13 18 | 17 37 | 17 15 | 13 32 | 1 0 | 4 10 | |
| S 18 | 23 32 | 6 12 | 3 26 | 19 31 | 2 22 | 21 3 | 0 52 | 4 32 | 2 1 | 12 48 | 1 8 | 19 9 | 0 53 | 11 43 | 0 27 | 9 22 | 1 53 | 4 39 | 13 18 | 17 37 | 17 14 | 13 30 | 1 0 | 4 10 | |
| S 19 | 23 31 | 10 16 | 2 30 | 19 16 | 2 37 | 21 16 | 0 50 | 4 48 | 2 1 | 12 44 | 1 8 | 19 10 | 0 53 | 11 43 | 0 27 | 9 22 | 1 53 | 4 39 | 13 18 | 17 37 | 17 13 | 13 28 | 1 0 | 4 10 | |
| M20 | 23 29 | 14 0 | 1 26 | 19 2 | 2 52 | 21 29 | 0 48 | 5 3 | 2 1 | 12 41 | 1 8 | 19 11 | 0 53 | 11 42 | 0 27 | 9 22 | 1 53 | 4 40 | 13 18 | 17 37 | 17 12 | 13 26 | 1 0 | 4 10 | |
| T 21 | 23 27 | 17 8 | 0 14 | 18 49 | 3 7 | 21 41 | 0 45 | 5 19 | 2 1 | 12 37 | 1 8 | 19 12 | 0 53 | 11 42 | 0 27 | 9 21 | 1 52 | 4 40 | 13 18 | 17 38 | 17 11 | 13 24 | 1 1 | 4 10 | |
| W22 | 23 25 | 19 23 | 1n 1 | 18 37 | 3 22 | 21 52 | 0 43 | 5 34 | 2 1 | 12 34 | 1 8 | 19 13 | 0 53 | 11 42 | 0 27 | 9 21 | 1 52 | 4 40 | 13 18 | 17 38 | 17 11 | 13 22 | 1 1 | 4 11 | |
| T 23 | 23 22 | 20 29 | 2 14 | 18 27 | 3 35 | 22 3 | 0 40 | 5 50 | 2 1 | 12 30 | 1 8 | 19 14 | 0 53 | 11 42 | 0 27 | 9 21 | 1 52 | 4 40 | 13 19 | 17 37 | 17 10 | 13 21 | 1 1 | 4 11 | |
| F 24 | 23 19 | 20 13 | 3 20 | 18 17 | 3 48 | 22 13 | 0 38 | 6 5 | 2 1 | 12 26 | 1 8 | 19 15 | 0 54 | 11 42 | 0 27 | 9 21 | 1 52 | 4 40 | 13 19 | 17 36 | 17 9 | 13 19 | 1 1 | 4 11 | |
| S 25 | 23 15 | 18 32 | 4 14 | 18 9 | 4 1 | 22 23 | 0 35 | 6 20 | 2 1 | 12 23 | 1 8 | 19 16 | 0 54 | 11 42 | 0 27 | 9 21 | 1 52 | 4 40 | 13 19 | 17 34 | 17 8 | 13 17 | 1 1 | 4 11 | |
| S 26 | 23 11 | 15 33 | 4 50 | 18 2 | 4 12 | 22 32 | 0 33 | 6 35 | 2 1 | 12 19 | 1 8 | 19 17 | 0 54 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 19 | 17 32 | 17 7 | 13 15 | 1 1 | 4 11 | |
| M27 | 23 7 | 11 33 | 5 6 | 17 57 | 4 22 | 22 40 | 0 30 | 6 50 | 2 1 | 12 15 | 1 8 | 19 18 | 0 54 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 19 | 17 30 | 17 6 | 13 13 | 1 1 | 4 11 | |
| T 28 | 23 2 | 6 52 | 5 1 | 17 53 | 4 31 | 22 48 | 0 28 | 7 5 | 2 1 | 12 11 | 1 7 | 19 19 | 0 54 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 19 | 17 28 | 17 5 | 13 11 | 1 1 | 4 12 | |
| W29 | 22 57 | 1 54 | 4 36 | 17 50 | 4 38 | 22 55 | 0 25 | 7 20 | 2 1 | 12 7 | 1 7 | 19 21 | 0 54 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 20 | 17 27 | 17 4 | 13 9 | 1 1 | 4 12 | |
| T 30 | 22n51 | 3n 3 | 3n55 | 17n50 | 4s44 | 23n 1 | 0s22 | 7n35 | 2s 1 | 12n 4 | 1n 7 | 19s22 | 0s54 | 11s41 | 0n27 | 9s21 | 1n52 | 4n40 | 13s20 | 17s26 | 17s 3 | 13n 8 | 1n 1 | 4n12 | |

Julian Day Number = 2136863.5, Delta T = 15m49s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'41, Lahiri = 11°50'42 Julian Calendar 1 June 1138 == Greg. Calendar 8 June 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## JULY 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 0 19 | 14♋31'21 | 12♈26 | 15°R49 | 24♊51 | 24♈57 | 1♍37 | 7°R24 | 1°R40 | 28°R47 | 18♉53 | 18°D33 | 17♏11 | 9♌17 | 22°R52 | F 1 |
| S 2 | 19 4 15 | 15°28'36 | 25°48 | 15♋ 7 | 26° 4 | 25°36 | 1°47 | 7♒20 | 1♏40 | 28♎47 | 18°53 | 18♏34 | 17° 8 | 9°24 | 22♓52 | S 2 |
| S 3 | 19 8 12 | 16°25'51 | 8♉50 | 14°27 | 27°17 | 26°16 | 1°58 | 7°16 | 1°40 | 28°47 | 18°54 | 18°35 | 17° 5 | 9°31 | 22°51 | S 3 |
| M 4 | 19 12 8 | 17°23'08 | 21°33 | 13°48 | 28°30 | 26°55 | 2° 9 | 7°12 | 1°D40 | 28°47 | 18°55 | 18°R35 | 17° 1 | 9°37 | 22°50 | M 4 |
| T 5 | 19 16 5 | 18°20'26 | 4♊ 2 | 13°11 | 29°43 | 27°34 | 2°20 | 7° 8 | 1°40 | 28°D47 | 18°56 | 18°34 | 16°58 | 9°44 | 22°49 | T 5 |
| W 6 | 19 20 1 | 19°17'44 | 16°19 | 12°37 | 0♋56 | 28°13 | 2°31 | 7° 4 | 1°40 | 28°47 | 18°57 | 18°30 | 16°55 | 9°51 | 22°49 | W 6 |
| T 7 | 19 23 58 | 20°15'04 | 28°27 | 12° 6 | 2° 9 | 28°52 | 2°42 | 7° 0 | 1°40 | 28°47 | 18°57 | 18°24 | 16°52 | 9°57 | 22°48 | T 7 |
| F 8 | 19 27 54 | 21°12'24 | 10♋29 | 11°40 | 3°23 | 29°31 | 2°53 | 6°56 | 1°40 | 28°47 | 18°58 | 18°16 | 16°49 | 10° 4 | 22°47 | F 8 |
| S 9 | 19 31 51 | 22° 9'45 | 22°27 | 11°18 | 4°36 | 0♉10 | 3° 4 | 6°51 | 1°40 | 28°47 | 18°59 | 18° 5 | 16°46 | 10°11 | 22°46 | S 9 |
| S 10 | 19 35 48 | 23° 7'07 | 4♌20 | 11° 1 | 5°49 | 0°48 | 3°15 | 6°47 | 1°41 | 28°48 | 18°59 | 17°53 | 16°42 | 10°18 | 22°45 | S 10 |
| M11 | 19 39 44 | 24° 4'29 | 16°12 | 10°50 | 7° 2 | 1°26 | 3°27 | 6°43 | 1°41 | 28°48 | 19° 0 | 17°41 | 16°39 | 10°24 | 22°44 | M11 |
| T 12 | 19 43 41 | 25° 1'53 | 28° 4 | 10°D45 | 8°16 | 2° 4 | 3°38 | 6°38 | 1°41 | 28°48 | 19° 1 | 17°29 | 16°36 | 10°31 | 22°43 | T 12 |
| W13 | 19 47 37 | 25°59'17 | 9♍57 | 10°45 | 9°29 | 2°42 | 3°49 | 6°34 | 1°42 | 28°48 | 19° 1 | 17°20 | 16°33 | 10°38 | 22°41 | W13 |
| T 14 | 19 51 34 | 26°56'41 | 21°55 | 10°52 | 10°43 | 3°20 | 4° 1 | 6°30 | 1°42 | 28°49 | 19° 2 | 17°12 | 16°30 | 10°44 | 22°40 | T 14 |
| F 15 | 19 55 30 | 27°54'07 | 4♎ 1 | 11° 5 | 11°56 | 3°58 | 4°13 | 6°25 | 1°43 | 28°49 | 19° 3 | 17° 7 | 16°26 | 10°51 | 22°39 | F 15 |
| S 16 | 19 59 27 | 28°51'33 | 16°19 | 11°25 | 13° 9 | 4°35 | 4°24 | 6°21 | 1°43 | 28°49 | 19° 3 | 17° 5 | 16°23 | 10°58 | 22°37 | S 16 |
| S 17 | 20 3 23 | 29°49'00 | 28°53 | 11°51 | 14°23 | 5°12 | 4°36 | 6°16 | 1°44 | 28°50 | 19° 4 | 17°D 4 | 16°20 | 11° 5 | 22°36 | S 17 |
| M18 | 20 7 20 | 0♌46'28 | 11♏49 | 12°24 | 15°36 | 5°49 | 4°48 | 6°12 | 1°45 | 28°50 | 19° 4 | 17°R 4 | 16°17 | 11°11 | 22°35 | M18 |
| T 19 | 20 11 17 | 1°43'57 | 25° 9 | 13° 3 | 16°50 | 6°26 | 4°59 | 6° 7 | 1°45 | 28°51 | 19° 5 | 17° 4 | 16°14 | 11°18 | 22°33 | T 19 |
| W20 | 20 15 13 | 2°41'26 | 8♐58 | 13°49 | 18° 4 | 7° 3 | 5°11 | 6° 3 | 1°46 | 28°51 | 19° 5 | 17° 3 | 16°11 | 11°25 | 22°32 | W20 |
| T 21 | 20 19 10 | 3°38'57 | 23°16 | 14°41 | 19°17 | 7°39 | 5°23 | 5°58 | 1°47 | 28°52 | 19° 6 | 16°59 | 16° 7 | 11°32 | 22°30 | T 21 |
| F 22 | 20 23 6 | 4°36'28 | 8♑ 1 | 15°39 | 20°31 | 8°15 | 5°35 | 5°54 | 1°48 | 28°52 | 19° 6 | 16°53 | 16° 4 | 11°38 | 22°29 | F 22 |
| S 23 | 20 27 3 | 5°34'01 | 23° 7 | 16°44 | 21°45 | 8°51 | 5°47 | 5°49 | 1°49 | 28°53 | 19° 7 | 16°44 | 16° 1 | 11°45 | 22°27 | S 23 |
| S 24 | 20 30 59 | 6°31'34 | 8♒26 | 17°54 | 22°58 | 9°27 | 5°59 | 5°45 | 1°50 | 28°53 | 19° 7 | 16°34 | 15°58 | 11°52 | 22°25 | S 24 |
| M25 | 20 34 56 | 7°29'09 | 23°45 | 19°10 | 24°12 | 10° 3 | 6°11 | 5°40 | 1°51 | 28°54 | 19° 8 | 16°23 | 15°55 | 11°58 | 22°23 | M25 |
| T 26 | 20 38 52 | 8°26'45 | 8♓54 | 20°32 | 25°26 | 10°38 | 6°23 | 5°36 | 1°52 | 28°55 | 19° 8 | 16°14 | 15°52 | 12° 5 | 22°22 | T 26 |
| W27 | 20 42 49 | 9°24'22 | 23°43 | 21°58 | 26°40 | 11°13 | 6°35 | 5°31 | 1°53 | 28°55 | 19° 8 | 16° 6 | 15°48 | 12°12 | 22°20 | W27 |
| T 28 | 20 46 46 | 10°22'01 | 8♈ 6 | 23°30 | 27°53 | 11°48 | 6°48 | 5°27 | 1°54 | 28°56 | 19° 9 | 16° 1 | 15°45 | 12°19 | 22°18 | T 28 |
| F 29 | 20 50 42 | 11°19'42 | 21°59 | 25° 6 | 29° 7 | 12°23 | 7° 0 | 5°22 | 1°56 | 28°57 | 19° 9 | 15°58 | 15°42 | 12°25 | 22°16 | F 29 |
| S 30 | 20 54 39 | 12°17'24 | 5♉25 | 26°46 | 0♌21 | 12°57 | 7°12 | 5°18 | 1°57 | 28°58 | 19° 9 | 15°57 | 15°39 | 12°32 | 22°14 | S 30 |
| S 31 | 20 58 35 | 13♌15'08 | 18♉25 | 28♋30 | 1♌35 | 13♉32 | 7♍25 | 5♒13 | 1♏58 | 28♎58 | 19♉10 | 15♏57 | 15♏36 | 12♌39 | 22♓12 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n45 | 7n43 | 3n 1 | 17n50 | 4s48 | 23n 7 | 0s20 | 7n49 | 2s 1 | 12n 0 | 1n 7 | 19s23 | 0s54 | 11s41 | 0n27 | 9s21 | 1n52 | 4n40 | 13s20 | 17s26 | 17s 2 | 13n 6 | 1n 1 | 4n12 | F 1 |
| S 2 | 22 39 | 11 52 | 1 59 | 17 52 | 4 51 | 23 12 | 0 17 | 8 4 | 2 1 | 11 56 | 1 7 | 19 24 | 0 55 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 20 | 17 26 | 17 2 | 13 4 | 1 1 | 4 12 | S 2 |
| S 3 | 22 32 | 15 20 | 0 52 | 17 55 | 4 52 | 23 17 | 0 15 | 8 18 | 2 1 | 11 52 | 1 7 | 19 25 | 0 55 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 20 | 17 26 | 17 1 | 13 2 | 1 1 | 4 12 | S 3 |
| M 4 | 22 25 | 17 59 | 0s16 | 18 0 | 4 51 | 23 20 | 0 12 | 8 33 | 2 1 | 11 48 | 1 7 | 19 26 | 0 55 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 21 | 17 26 | 17 0 | 13 0 | 1 1 | 4 13 | M 4 |
| T 5 | 22 17 | 19 43 | 1 22 | 18 6 | 4 49 | 23 23 | 0 10 | 8 47 | 2 1 | 11 44 | 1 7 | 19 27 | 0 55 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 21 | 17 26 | 16 59 | 12 58 | 1 0 | 4 13 | T 5 |
| W 6 | 22 9 | 20 29 | 2 22 | 18 14 | 4 44 | 23 26 | 0 7 | 9 1 | 2 1 | 11 40 | 1 7 | 19 29 | 0 55 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 21 | 17 25 | 16 58 | 12 56 | 1 0 | 4 13 | W 6 |
| T 7 | 22 1 | 20 17 | 3 16 | 18 22 | 4 39 | 23 27 | 0 4 | 9 15 | 2 1 | 11 36 | 1 7 | 19 30 | 0 55 | 11 41 | 0 27 | 9 21 | 1 52 | 4 40 | 13 21 | 17 23 | 16 57 | 12 55 | 1 0 | 4 13 | T 7 |
| F 8 | 21 52 | 19 9 | 4 0 | 18 32 | 4 31 | 23 29 | 0 2 | 9 28 | 2 1 | 11 32 | 1 7 | 19 31 | 0 55 | 11 41 | 0 27 | 9 21 | 1 51 | 4 40 | 13 21 | 17 21 | 16 56 | 12 53 | 1 0 | 4 13 | F 8 |
| S 9 | 21 43 | 17 11 | 4 33 | 18 42 | 4 23 | 23 29 | 0n 1 | 9 42 | 2 0 | 11 28 | 1 7 | 19 32 | 0 55 | 11 41 | 0 27 | 9 22 | 1 51 | 4 40 | 13 22 | 17 18 | 16 55 | 12 51 | 1 0 | 4 13 | S 9 |
| S 10 | 21 34 | 14 30 | 4 54 | 18 54 | 4 13 | 23 28 | 0 3 | 9 56 | 2 0 | 11 23 | 1 6 | 19 33 | 0 55 | 11 42 | 0 27 | 9 22 | 1 51 | 4 40 | 13 22 | 17 14 | 16 54 | 12 49 | 0 59 | 4 14 | S 10 |
| M11 | 21 24 | 11 15 | 5 2 | 19 6 | 4 1 | 23 27 | 0 6 | 10 9 | 2 0 | 11 19 | 1 6 | 19 35 | 0 56 | 11 42 | 0 27 | 9 22 | 1 51 | 4 40 | 13 22 | 17 11 | 16 53 | 12 47 | 0 59 | 4 14 | M11 |
| T 12 | 21 13 | 7 33 | 4 57 | 19 18 | 3 49 | 23 26 | 0 8 | 10 22 | 2 0 | 11 15 | 1 6 | 19 36 | 0 56 | 11 42 | 0 27 | 9 22 | 1 51 | 4 40 | 13 22 | 17 8 | 16 53 | 12 45 | 0 59 | 4 14 | T 12 |
| W13 | 21 3 | 3 34 | 4 39 | 19 31 | 3 36 | 23 23 | 0 11 | 10 36 | 2 0 | 11 11 | 1 6 | 19 37 | 0 56 | 11 42 | 0 27 | 9 22 | 1 51 | 4 40 | 13 23 | 17 5 | 16 52 | 12 43 | 0 58 | 4 14 | W13 |
| T 14 | 20 52 | 0s36 | 4 9 | 19 45 | 3 22 | 23 20 | 0 13 | 10 49 | 1 59 | 11 6 | 1 6 | 19 38 | 0 56 | 11 42 | 0 27 | 9 22 | 1 51 | 4 40 | 13 23 | 17 3 | 16 51 | 12 41 | 0 58 | 4 14 | T 14 |
| F 15 | 20 41 | 4 46 | 3 27 | 19 58 | 3 7 | 23 16 | 0 16 | 11 2 | 1 59 | 11 2 | 1 6 | 19 39 | 0 56 | 11 43 | 0 27 | 9 22 | 1 51 | 4 40 | 13 23 | 17 1 | 16 50 | 12 40 | 0 58 | 4 14 | F 15 |
| S 16 | 20 29 | 8 50 | 2 35 | 20 12 | 2 52 | 23 12 | 0 18 | 11 14 | 1 59 | 10 58 | 1 6 | 19 41 | 0 56 | 11 43 | 0 26 | 9 23 | 1 51 | 4 40 | 13 23 | 17 1 | 16 49 | 12 38 | 0 57 | 4 14 | S 16 |
| S 17 | 20 17 | 12 36 | 1 35 | 20 25 | 2 37 | 23 7 | 0 21 | 11 27 | 1 59 | 10 54 | 1 6 | 19 42 | 0 56 | 11 43 | 0 26 | 9 23 | 1 51 | 4 40 | 13 23 | 17 1 | 16 48 | 12 36 | 0 57 | 4 15 | S 17 |
| M18 | 20 5 | 15 53 | 0 28 | 20 38 | 2 21 | 23 1 | 0 23 | 11 40 | 1 58 | 10 49 | 1 6 | 19 43 | 0 56 | 11 43 | 0 26 | 9 23 | 1 51 | 4 40 | 13 24 | 17 1 | 16 47 | 12 34 | 0 56 | 4 15 | M18 |
| T 19 | 19 52 | 18 27 | 0n43 | 20 50 | 2 5 | 22 54 | 0 25 | 11 52 | 1 58 | 10 45 | 1 6 | 19 44 | 0 56 | 11 44 | 0 26 | 9 23 | 1 51 | 4 40 | 13 24 | 17 1 | 16 46 | 12 32 | 0 56 | 4 15 | T 19 |
| W20 | 19 39 | 20 2 | 1 53 | 21 1 | 1 49 | 22 47 | 0 28 | 12 4 | 1 58 | 10 40 | 1 6 | 19 46 | 0 57 | 11 44 | 0 26 | 9 23 | 1 51 | 4 40 | 13 24 | 17 0 | 16 45 | 12 30 | 0 55 | 4 15 | W20 |
| T 21 | 19 26 | 20 24 | 2 59 | 21 12 | 1 33 | 22 39 | 0 30 | 12 16 | 1 58 | 10 36 | 1 6 | 19 47 | 0 57 | 11 44 | 0 26 | 9 24 | 1 51 | 4 39 | 13 24 | 16 59 | 16 44 | 12 28 | 0 55 | 4 15 | T 21 |
| F 22 | 19 12 | 19 24 | 3 55 | 21 21 | 1 17 | 22 30 | 0 32 | 12 28 | 1 57 | 10 31 | 1 6 | 19 48 | 0 57 | 11 45 | 0 26 | 9 24 | 1 51 | 4 39 | 13 25 | 16 57 | 16 43 | 12 26 | 0 54 | 4 15 | F 22 |
| S 23 | 18 58 | 17 1 | 4 36 | 21 29 | 1 2 | 22 21 | 0 35 | 12 40 | 1 57 | 10 27 | 1 6 | 19 49 | 0 57 | 11 45 | 0 26 | 9 24 | 1 51 | 4 39 | 13 25 | 16 55 | 16 42 | 12 25 | 0 54 | 4 15 | S 23 |
| S 24 | 18 44 | 13 27 | 4 58 | 21 35 | 0 46 | 22 11 | 0 37 | 12 52 | 1 57 | 10 22 | 1 6 | 19 50 | 0 57 | 11 45 | 0 26 | 9 24 | 1 50 | 4 39 | 13 25 | 16 52 | 16 42 | 12 23 | 0 53 | 4 15 | S 24 |
| M25 | 18 29 | 8 58 | 4 58 | 21 39 | 0 31 | 22 1 | 0 39 | 13 3 | 1 56 | 10 18 | 1 6 | 19 52 | 0 57 | 11 46 | 0 26 | 9 25 | 1 50 | 4 39 | 13 25 | 16 49 | 16 41 | 12 21 | 0 53 | 4 16 | M25 |
| T 26 | 18 14 | 3 59 | 4 38 | 21 41 | 0 17 | 21 49 | 0 41 | 13 15 | 1 56 | 10 13 | 1 6 | 19 53 | 0 57 | 11 46 | 0 26 | 9 25 | 1 50 | 4 39 | 13 26 | 16 46 | 16 40 | 12 19 | 0 52 | 4 16 | T 26 |
| W27 | 17 59 | 1n 9 | 3 59 | 21 42 | 0 3 | 21 38 | 0 43 | 13 26 | 1 55 | 10 9 | 1 6 | 19 54 | 0 57 | 11 46 | 0 26 | 9 25 | 1 50 | 4 39 | 13 26 | 16 44 | 16 39 | 12 17 | 0 51 | 4 16 | W27 |
| T 28 | 17 43 | 6 4 | 3 6 | 21 39 | 0n10 | 21 25 | 0 45 | 13 37 | 1 55 | 10 4 | 1 5 | 19 55 | 0 57 | 11 47 | 0 26 | 9 26 | 1 50 | 4 39 | 13 26 | 16 42 | 16 38 | 12 15 | 0 51 | 4 16 | T 28 |
| F 29 | 17 28 | 10 30 | 2 3 | 21 35 | 0 22 | 21 12 | 0 47 | 13 48 | 1 55 | 10 0 | 1 5 | 19 56 | 0 57 | 11 47 | 0 26 | 9 26 | 1 50 | 4 38 | 13 26 | 16 42 | 16 37 | 12 13 | 0 50 | 4 16 | F 29 |
| S 30 | 17 11 | 14 15 | 0 55 | 21 27 | 0 34 | 20 58 | 0 49 | 13 59 | 1 54 | 9 55 | 1 5 | 19 57 | 0 57 | 11 48 | 0 26 | 9 26 | 1 50 | 4 38 | 13 27 | 16 41 | 16 36 | 12 11 | 0 50 | 4 16 | S 30 |
| S 31 | 16n55 | 17n11 | 0s13 | 21n17 | 0n45 | 20n44 | 0n51 | 14n10 | 1s54 | 9n50 | 1n 5 | 19s59 | 0s57 | 11s48 | 0n26 | 9s27 | 1n50 | 4n38 | 13s27 | 16s41 | 16s35 | 12n 9 | 0n49 | 4n16 | S 31 |

Julian Day Number = 2136893.5, Delta T = 15m48s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'45, Lahiri = 11°50'46 Julian Calendar 1 July 1138 == Greg. Calendar 8 July 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## AUGUST 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 2 32 | 14♌12'54 | 1♊ 4 | 0♌17 | 2♌49 | 14♉ 6 | 7♍37 | 5°R 9 | 2♏ 0 | 28♎59 | 19♉10 | 15°R57 | 15♏32 | 12♌45 | 22°R10 | M 1 |
| T 2 | 21 6 28 | 15°10'42 | 13°25 | 2° 7 | 4° 3 | 14°39 | 7°49 | 5♒ 5 | 2° 1 | 29° 0 | 19°10 | 15♏55 | 15°29 | 12°52 | 22♓ 8 | T 2 |
| W 3 | 21 10 25 | 16° 8'31 | 25°35 | 3°59 | 5°17 | 15°13 | 8° 2 | 5° 0 | 2° 3 | 29° 1 | 19°10 | 15°50 | 15°26 | 12°59 | 22° 6 | W 3 |
| T 4 | 21 14 21 | 17° 6'22 | 7♋36 | 5°53 | 6°31 | 15°46 | 8°14 | 4°56 | 2° 4 | 29° 2 | 19°10 | 15°43 | 15°23 | 13° 6 | 22° 4 | T 4 |
| F 5 | 21 18 18 | 18° 4'15 | 19°31 | 7°49 | 7°45 | 16°19 | 8°27 | 4°52 | 2° 6 | 29° 3 | 19°11 | 15°33 | 15°20 | 13°12 | 22° 2 | F 5 |
| S 6 | 21 22 15 | 19° 2'09 | 1♌24 | 9°47 | 9° 0 | 16°52 | 8°40 | 4°47 | 2° 7 | 29° 4 | 19°11 | 15°21 | 15°17 | 13°19 | 22° 0 | S 6 |
| S 7 | 21 26 11 | 20° 0'05 | 13°15 | 11°45 | 10°14 | 17°24 | 8°52 | 4°43 | 2° 9 | 29° 5 | 19°11 | 15° 7 | 15°13 | 13°26 | 21°57 | S 7 |
| M 8 | 21 30 8 | 20°58'02 | 25° 8 | 13°43 | 11°28 | 17°56 | 9° 5 | 4°39 | 2°11 | 29° 6 | 19°11 | 14°53 | 15°10 | 13°33 | 21°55 | M 8 |
| T 9 | 21 34 4 | 21°56'01 | 7♍ 2 | 15°42 | 12°42 | 18°28 | 9°17 | 4°35 | 2°13 | 29° 7 | 19°11 | 14°39 | 15° 7 | 13°39 | 21°53 | T 9 |
| W10 | 21 38 1 | 22°54'02 | 19° 0 | 17°41 | 13°56 | 19° 0 | 9°30 | 4°30 | 2°14 | 29° 8 | 19°11 | 14°28 | 15° 4 | 13°46 | 21°50 | W10 |
| T 11 | 21 41 57 | 23°52'04 | 1♎ 4 | 19°40 | 15°11 | 19°31 | 9°43 | 4°26 | 2°16 | 29° 9 | 19°11 | 14°19 | 15° 1 | 13°53 | 21°48 | T 11 |
| F 12 | 21 45 54 | 24°50'07 | 13°15 | 21°38 | 16°25 | 20° 2 | 9°56 | 4°22 | 2°18 | 29°11 | 19°11 | 14°13 | 14°57 | 13°59 | 21°46 | F 12 |
| S 13 | 21 49 50 | 25°48'13 | 25°36 | 23°35 | 17°39 | 20°33 | 10° 8 | 4°18 | 2°20 | 29°12 | 19°R11 | 14° 9 | 14°54 | 14° 6 | 21°43 | S 13 |
| S 14 | 21 53 47 | 26°46'19 | 8♏11 | 25°32 | 18°54 | 21° 3 | 10°21 | 4°14 | 2°22 | 29°13 | 19°11 | 14° 8 | 14°51 | 14°13 | 21°41 | S 14 |
| M15 | 21 57 44 | 27°44'27 | 21° 5 | 27°28 | 20° 8 | 21°33 | 10°34 | 4°10 | 2°24 | 29°14 | 19°11 | 14° 8 | 14°48 | 14°20 | 21°38 | M15 |
| T 16 | 22 1 40 | 28°42'37 | 4♐20 | 29°23 | 21°22 | 22° 2 | 10°47 | 4° 6 | 2°26 | 29°16 | 19°11 | 14° 8 | 14°45 | 14°26 | 21°36 | T 16 |
| W17 | 22 5 37 | 29°40'48 | 18° 0 | 1♍17 | 22°37 | 22°32 | 11° 0 | 4° 2 | 2°28 | 29°17 | 19°11 | 14° 7 | 14°42 | 14°33 | 21°33 | W17 |
| T 18 | 22 9 33 | 0♍39'01 | 2♑ 8 | 3°11 | 23°51 | 23° 1 | 11°13 | 3°59 | 2°31 | 29°18 | 19°11 | 14° 4 | 14°38 | 14°40 | 21°31 | T 18 |
| F 19 | 22 13 30 | 1°37'15 | 16°41 | 5° 3 | 25° 6 | 23°29 | 11°25 | 3°55 | 2°33 | 29°20 | 19°11 | 13°58 | 14°35 | 14°47 | 21°28 | F 19 |
| S 20 | 22 17 26 | 2°35'31 | 1♒38 | 6°53 | 26°20 | 23°58 | 11°38 | 3°51 | 2°35 | 29°21 | 19°11 | 13°50 | 14°32 | 14°53 | 21°26 | S 20 |
| S 21 | 22 21 23 | 3°33'48 | 16°49 | 8°43 | 27°35 | 24°26 | 11°51 | 3°48 | 2°37 | 29°23 | 19°11 | 13°40 | 14°29 | 15° 0 | 21°23 | S 21 |
| M22 | 22 25 19 | 4°32'07 | 2♓ 5 | 10°32 | 28°49 | 24°53 | 12° 4 | 3°44 | 2°40 | 29°24 | 19°10 | 13°30 | 14°26 | 15° 7 | 21°20 | M22 |
| T 23 | 22 29 16 | 5°30'28 | 17°16 | 12°19 | 0♍ 4 | 25°20 | 12°17 | 3°41 | 2°42 | 29°25 | 19°10 | 13°21 | 14°23 | 15°13 | 21°18 | T 23 |
| W24 | 22 33 13 | 6°28'51 | 2♈10 | 14° 6 | 1°18 | 25°47 | 12°30 | 3°37 | 2°45 | 29°27 | 19°10 | 13°14 | 14°19 | 15°20 | 21°15 | W24 |
| T 25 | 22 37 9 | 7°27'15 | 16°39 | 15°51 | 2°33 | 26°14 | 12°43 | 3°34 | 2°47 | 29°28 | 19°10 | 13° 9 | 14°16 | 15°27 | 21°12 | T 25 |
| F 26 | 22 41 6 | 8°25'42 | 0♉41 | 17°35 | 3°48 | 26°40 | 12°56 | 3°30 | 2°50 | 29°30 | 19°10 | 13° 6 | 14°13 | 15°34 | 21°10 | F 26 |
| S 27 | 22 45 2 | 9°24'12 | 14°13 | 19°18 | 5° 2 | 27° 5 | 13° 9 | 3°27 | 2°52 | 29°32 | 19° 9 | 13°D 5 | 14°10 | 15°40 | 21° 7 | S 27 |
| S 28 | 22 48 59 | 10°22'43 | 27°18 | 21° 0 | 6°17 | 27°30 | 13°22 | 3°24 | 2°55 | 29°33 | 19° 9 | 13° 6 | 14° 7 | 15°47 | 21° 4 | S 28 |
| M29 | 22 52 55 | 11°21'17 | 9♊59 | 22°41 | 7°32 | 27°55 | 13°35 | 3°21 | 2°57 | 29°35 | 19° 9 | 13°R 6 | 14° 3 | 15°54 | 21° 2 | M29 |
| T 30 | 22 56 52 | 12°19'53 | 22°21 | 24°21 | 8°46 | 28°19 | 13°48 | 3°18 | 3° 0 | 29°36 | 19° 8 | 13° 6 | 14° 0 | 16° 0 | 20°59 | T 30 |
| W31 | 23 0 48 | 13♍18'31 | 4♋29 | 26♍ 0 | 10♍ 1 | 28♉43 | 14♍ 1 | 3♒15 | 3♏ 3 | 29♎38 | 19♉ 8 | 13♏ 3 | 13♏57 | 16♌ 7 | 20♓56 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n38 | 19n11 | 1s19 | 21n 5 | 0n55 | 20n29 | 0n53 | 14n20 | 1s53 | 9n46 | 1n 5 | 20s 0 | 0s57 | 11s49 | 0n26 | 9s27 | 1n50 | 4n38 | 13s27 | 16s41 | 16s34 | 12n 8 | 0n48 | 4n16 |
| T 2 | 16 21 | 20 12 | 2 20 | 20 49 | 1 4 | 20 13 | 0 55 | 14 31 | 1 53 | 9 41 | 1 5 | 20 1 | 0 58 | 11 49 | 0 26 | 9 27 | 1 50 | 4 38 | 13 27 | 16 41 | 16 33 | 12 6 | 0 47 | 4 16 |
| W 3 | 16 4 | 20 16 | 3 13 | 20 31 | 1 12 | 19 57 | 0 57 | 14 41 | 1 52 | 9 36 | 1 5 | 20 2 | 0 58 | 11 50 | 0 26 | 9 28 | 1 50 | 4 38 | 13 28 | 16 39 | 16 32 | 12 4 | 0 47 | 4 16 |
| T 4 | 15 47 | 19 23 | 3 57 | 20 10 | 1 19 | 19 40 | 0 59 | 14 51 | 1 52 | 9 32 | 1 5 | 20 3 | 0 58 | 11 51 | 0 26 | 9 28 | 1 50 | 4 37 | 13 28 | 16 37 | 16 31 | 12 2 | 0 46 | 4 17 |
| F 5 | 15 29 | 17 40 | 4 30 | 19 47 | 1 26 | 19 23 | 1 0 | 15 1 | 1 51 | 9 27 | 1 5 | 20 4 | 0 58 | 11 51 | 0 26 | 9 29 | 1 50 | 4 37 | 13 28 | 16 34 | 16 30 | 12 0 | 0 45 | 4 17 |
| S 6 | 15 11 | 15 13 | 4 51 | 19 21 | 1 31 | 19 5 | 1 2 | 15 11 | 1 50 | 9 22 | 1 5 | 20 5 | 0 58 | 11 52 | 0 26 | 9 29 | 1 50 | 4 37 | 13 28 | 16 31 | 16 29 | 11 58 | 0 44 | 4 17 |
| S 7 | 14 53 | 12 8 | 4 59 | 18 53 | 1 36 | 18 47 | 1 4 | 15 21 | 1 50 | 9 17 | 1 5 | 20 6 | 0 58 | 11 52 | 0 26 | 9 29 | 1 50 | 4 37 | 13 29 | 16 27 | 16 29 | 11 56 | 0 44 | 4 17 |
| M 8 | 14 34 | 8 34 | 4 55 | 18 22 | 1 40 | 18 28 | 1 5 | 15 30 | 1 49 | 9 12 | 1 5 | 20 8 | 0 58 | 11 53 | 0 26 | 9 30 | 1 50 | 4 37 | 13 29 | 16 23 | 16 28 | 11 54 | 0 43 | 4 17 |
| T 9 | 14 16 | 4 40 | 4 37 | 17 50 | 1 43 | 18 8 | 1 7 | 15 40 | 1 49 | 9 8 | 1 5 | 20 9 | 0 58 | 11 54 | 0 26 | 9 30 | 1 50 | 4 36 | 13 29 | 16 19 | 16 27 | 11 52 | 0 42 | 4 17 |
| W10 | 13 57 | 0 34 | 4 8 | 17 16 | 1 45 | 17 48 | 1 8 | 15 49 | 1 48 | 9 3 | 1 5 | 20 10 | 0 58 | 11 54 | 0 26 | 9 31 | 1 50 | 4 36 | 13 29 | 16 15 | 16 26 | 11 50 | 0 41 | 4 17 |
| T 11 | 13 38 | 3s35 | 3 27 | 16 40 | 1 46 | 17 28 | 1 9 | 15 58 | 1 47 | 8 58 | 1 5 | 20 11 | 0 58 | 11 55 | 0 26 | 9 31 | 1 49 | 4 36 | 13 30 | 16 12 | 16 25 | 11 48 | 0 40 | 4 17 |
| F 12 | 13 18 | 7 38 | 2 36 | 16 3 | 1 47 | 17 7 | 1 11 | 16 7 | 1 47 | 8 53 | 1 5 | 20 12 | 0 58 | 11 56 | 0 26 | 9 32 | 1 49 | 4 36 | 13 30 | 16 11 | 16 24 | 11 47 | 0 39 | 4 17 |
| S 13 | 12 59 | 11 26 | 1 36 | 15 24 | 1 47 | 16 45 | 1 12 | 16 16 | 1 46 | 8 48 | 1 5 | 20 13 | 0 58 | 11 56 | 0 26 | 9 32 | 1 49 | 4 35 | 13 30 | 16 10 | 16 23 | 11 45 | 0 38 | 4 17 |
| S 14 | 12 39 | 14 48 | 0 31 | 14 44 | 1 46 | 16 23 | 1 13 | 16 25 | 1 45 | 8 43 | 1 5 | 20 14 | 0 58 | 11 57 | 0 26 | 9 33 | 1 49 | 4 35 | 13 30 | 16 9 | 16 22 | 11 43 | 0 37 | 4 17 |
| M15 | 12 19 | 17 31 | 0n37 | 14 3 | 1 45 | 16 1 | 1 14 | 16 33 | 1 44 | 8 39 | 1 5 | 20 15 | 0 58 | 11 58 | 0 26 | 9 33 | 1 49 | 4 35 | 13 31 | 16 9 | 16 21 | 11 41 | 0 36 | 4 17 |
| T 16 | 11 59 | 19 23 | 1 45 | 13 21 | 1 43 | 15 38 | 1 16 | 16 42 | 1 44 | 8 34 | 1 5 | 20 16 | 0 58 | 11 59 | 0 26 | 9 34 | 1 49 | 4 35 | 13 31 | 16 9 | 16 20 | 11 39 | 0 36 | 4 17 |
| W17 | 11 38 | 20 12 | 2 49 | 12 38 | 1 40 | 15 15 | 1 17 | 16 50 | 1 43 | 8 29 | 1 5 | 20 17 | 0 58 | 11 59 | 0 26 | 9 34 | 1 49 | 4 34 | 13 31 | 16 9 | 16 19 | 11 37 | 0 35 | 4 17 |
| T 18 | 11 18 | 19 47 | 3 45 | 11 54 | 1 38 | 14 51 | 1 18 | 16 58 | 1 42 | 8 24 | 1 5 | 20 18 | 0 58 | 12 0 | 0 25 | 9 35 | 1 49 | 4 34 | 13 31 | 16 8 | 16 18 | 11 35 | 0 34 | 4 17 |
| F 19 | 10 57 | 18 3 | 4 29 | 11 10 | 1 34 | 14 27 | 1 19 | 17 6 | 1 41 | 8 19 | 1 5 | 20 19 | 0 58 | 12 1 | 0 25 | 9 35 | 1 49 | 4 34 | 13 32 | 16 6 | 16 17 | 11 33 | 0 33 | 4 17 |
| S 20 | 10 36 | 15 5 | 4 55 | 10 25 | 1 30 | 14 2 | 1 19 | 17 14 | 1 40 | 8 14 | 1 5 | 20 19 | 0 58 | 12 2 | 0 25 | 9 36 | 1 49 | 4 34 | 13 32 | 16 4 | 16 16 | 11 31 | 0 32 | 4 17 |
| S 21 | 10 15 | 11 4 | 5 2 | 9 40 | 1 26 | 13 37 | 1 20 | 17 21 | 1 40 | 8 9 | 1 5 | 20 20 | 0 58 | 12 2 | 0 25 | 9 36 | 1 49 | 4 33 | 13 32 | 16 1 | 16 15 | 11 29 | 0 31 | 4 17 |
| M22 | 9 54 | 6 19 | 4 47 | 8 55 | 1 22 | 13 12 | 1 21 | 17 29 | 1 39 | 8 4 | 1 5 | 20 21 | 0 58 | 12 3 | 0 25 | 9 37 | 1 49 | 4 33 | 13 32 | 15 58 | 16 14 | 11 27 | 0 30 | 4 17 |
| T 23 | 9 32 | 1 12 | 4 11 | 8 9 | 1 17 | 12 46 | 1 22 | 17 36 | 1 38 | 7 59 | 1 5 | 20 22 | 0 58 | 12 4 | 0 25 | 9 37 | 1 49 | 4 33 | 13 33 | 15 55 | 16 14 | 11 25 | 0 29 | 4 17 |
| W24 | 9 10 | 3n55 | 3 19 | 7 23 | 1 12 | 12 20 | 1 22 | 17 44 | 1 37 | 7 54 | 1 5 | 20 23 | 0 59 | 12 5 | 0 25 | 9 38 | 1 49 | 4 32 | 13 33 | 15 53 | 16 13 | 11 24 | 0 28 | 4 17 |
| T 25 | 8 49 | 8 40 | 2 16 | 6 37 | 1 6 | 11 54 | 1 23 | 17 51 | 1 36 | 7 49 | 1 5 | 20 24 | 0 59 | 12 6 | 0 25 | 9 39 | 1 49 | 4 32 | 13 33 | 15 51 | 16 12 | 11 22 | 0 26 | 4 17 |
| F 26 | 8 27 | 12 47 | 1 6 | 5 51 | 1 1 | 11 27 | 1 23 | 17 58 | 1 35 | 7 44 | 1 5 | 20 24 | 0 59 | 12 7 | 0 25 | 9 39 | 1 49 | 4 32 | 13 33 | 15 51 | 16 11 | 11 20 | 0 25 | 4 17 |
| S 27 | 8 5 | 16 5 | 0s 6 | 5 5 | 0 55 | 11 0 | 1 24 | 18 4 | 1 34 | 7 39 | 1 5 | 20 25 | 0 59 | 12 8 | 0 25 | 9 40 | 1 49 | 4 32 | 13 34 | 15 50 | 16 10 | 11 18 | 0 24 | 4 17 |
| S 28 | 7 43 | 18 26 | 1 15 | 4 19 | 0 48 | 10 33 | 1 24 | 18 11 | 1 33 | 7 34 | 1 5 | 20 26 | 0 59 | 12 9 | 0 25 | 9 40 | 1 49 | 4 31 | 13 34 | 15 50 | 16 9 | 11 16 | 0 23 | 4 17 |
| M29 | 7 20 | 19 46 | 2 18 | 3 34 | 0 42 | 10 5 | 1 24 | 18 18 | 1 32 | 7 29 | 1 5 | 20 27 | 0 59 | 12 10 | 0 25 | 9 41 | 1 49 | 4 31 | 13 34 | 15 51 | 16 8 | 11 14 | 0 22 | 4 17 |
| T 30 | 6 58 | 20 6 | 3 14 | 2 48 | 0 36 | 9 37 | 1 25 | 18 24 | 1 31 | 7 24 | 1 5 | 20 27 | 0 59 | 12 10 | 0 25 | 9 42 | 1 49 | 4 31 | 13 34 | 15 50 | 16 7 | 11 12 | 0 21 | 4 17 |
| W31 | 6n35 | 19n30 | 3s59 | 2n 2 | 0n29 | 9n 9 | 1n25 | 18n30 | 1s30 | 7n19 | 1n 5 | 20s28 | 0s59 | 12s11 | 0n25 | 9s42 | 1n48 | 4n30 | 13s34 | 15s50 | 16s 6 | 11n10 | 0n20 | 4n17 |

Julian Day Number = 2136924.5, Delta T = 15m48s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'50, Lahiri = 11°50'50 Julian Calendar 1 Aug. 1138 == Greg. Calendar 8 Aug. 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## SEPTEMBER 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 4 45 | 14♍17'11 | 16♋27 | 27♍38 | 11♍16 | 29♉ 7 | 14♍14 | 3°R12 | 3♏ 6 | 29♎40 | 19°R 8 | 12°R59 | 13♏54 | 16♌14 | 20°R53 | T 1 |
| F 2 | 23 8 41 | 15°15'54 | 28°20 | 29°15 | 12°31 | 29°29 | 14°27 | 3♒10 | 3° 8 | 29°42 | 19♉ 7 | 12♏52 | 13°51 | 16°21 | 20♓51 | F 2 |
| S 3 | 23 12 38 | 16°14'39 | 10♌12 | 0♎50 | 13°46 | 29°52 | 14°40 | 3° 7 | 3°11 | 29°43 | 19° 7 | 12°43 | 13°48 | 16°27 | 20°48 | S 3 |
| S 4 | 23 16 35 | 17°13'26 | 22° 4 | 2°25 | 15° 0 | 0♊14 | 14°53 | 3° 4 | 3°14 | 29°45 | 19° 6 | 12°32 | 13°44 | 16°34 | 20°45 | S 4 |
| M 5 | 23 20 31 | 18°12'15 | 4♍ 0 | 3°59 | 16°15 | 0°35 | 15° 6 | 3° 2 | 3°17 | 29°47 | 19° 6 | 12°21 | 13°41 | 16°41 | 20°42 | M 5 |
| T 6 | 23 24 28 | 19°11'06 | 16° 0 | 5°32 | 17°30 | 0°56 | 15°19 | 2°59 | 3°20 | 29°49 | 19° 5 | 12°11 | 13°38 | 16°48 | 20°39 | T 6 |
| W 7 | 23 28 24 | 20° 9'59 | 28° 7 | 7° 4 | 18°45 | 1°16 | 15°32 | 2°57 | 3°23 | 29°50 | 19° 5 | 12° 3 | 13°35 | 16°54 | 20°37 | W 7 |
| T 8 | 23 32 21 | 21° 8'54 | 10♎21 | 8°36 | 20° 0 | 1°36 | 15°45 | 2°55 | 3°26 | 29°52 | 19° 4 | 11°56 | 13°32 | 17° 1 | 20°34 | T 8 |
| F 9 | 23 36 17 | 22° 7'51 | 22°44 | 10° 6 | 21°15 | 1°55 | 15°58 | 2°53 | 3°29 | 29°54 | 19° 4 | 11°52 | 13°28 | 17° 8 | 20°31 | F 9 |
| S 10 | 23 40 14 | 23° 6'50 | 5♏17 | 11°35 | 22°30 | 2°14 | 16°11 | 2°50 | 3°32 | 29°56 | 19° 3 | 11°50 | 13°25 | 17°14 | 20°28 | S 10 |
| S 11 | 23 44 10 | 24° 5'51 | 18° 2 | 13° 4 | 23°45 | 2°32 | 16°24 | 2°48 | 3°35 | 29°58 | 19° 3 | 11°D50 | 13°22 | 17°21 | 20°26 | S 11 |
| M12 | 23 48 7 | 25° 4'54 | 1♐ 2 | 14°31 | 25° 0 | 2°50 | 16°37 | 2°47 | 3°38 | 29°59 | 19° 2 | 11°51 | 13°19 | 17°28 | 20°23 | M12 |
| T 13 | 23 52 4 | 26° 3'59 | 14°19 | 15°58 | 26°14 | 3° 7 | 16°50 | 2°45 | 3°41 | 0♏ 2 | 19° 1 | 11°52 | 13°16 | 17°35 | 20°20 | T 13 |
| W14 | 23 56 0 | 27° 3'06 | 27°56 | 17°23 | 27°29 | 3°23 | 17° 3 | 2°43 | 3°44 | 0° 4 | 19° 1 | 11°R53 | 13°13 | 17°41 | 20°17 | W14 |
| T 15 | 23 59 57 | 28° 2'14 | 11♑53 | 18°48 | 28°44 | 3°39 | 17°16 | 2°41 | 3°47 | 0° 6 | 19° 0 | 11°52 | 13° 9 | 17°48 | 20°15 | T 15 |
| F 16 | 0 3 53 | 29° 1'24 | 26°12 | 20°11 | 29°59 | 3°54 | 17°29 | 2°40 | 3°51 | 0° 8 | 19° 0 | 11°49 | 13° 6 | 17°55 | 20°12 | F 16 |
| S 17 | 0 7 50 | 0♎ 0'36 | 10♒49 | 21°34 | 1♎14 | 4° 8 | 17°42 | 2°39 | 3°54 | 0°10 | 18°59 | 11°44 | 13° 3 | 18° 2 | 20° 9 | S 17 |
| S 18 | 0 11 46 | 0°59'49 | 25°40 | 22°55 | 2°29 | 4°22 | 17°54 | 2°37 | 3°57 | 0°12 | 18°58 | 11°39 | 13° 0 | 18° 8 | 20° 6 | S 18 |
| M19 | 0 15 43 | 1°59'05 | 10♓37 | 24°15 | 3°44 | 4°35 | 18° 7 | 2°36 | 4° 0 | 0°14 | 18°57 | 11°33 | 12°57 | 18°15 | 20° 4 | M19 |
| T 20 | 0 19 39 | 2°58'22 | 25°31 | 25°34 | 4°59 | 4°48 | 18°20 | 2°35 | 4° 4 | 0°16 | 18°57 | 11°27 | 12°54 | 18°22 | 20° 1 | T 20 |
| W21 | 0 23 36 | 3°57'42 | 10♈15 | 26°52 | 6°14 | 4°59 | 18°33 | 2°34 | 4° 7 | 0°18 | 18°56 | 11°22 | 12°50 | 18°28 | 19°58 | W21 |
| T 22 | 0 27 33 | 4°57'03 | 24°41 | 28° 9 | 7°30 | 5°10 | 18°46 | 2°33 | 4°10 | 0°20 | 18°55 | 11°20 | 12°47 | 18°35 | 19°56 | T 22 |
| F 23 | 0 31 29 | 5°56'27 | 8♉42 | 29°24 | 8°45 | 5°21 | 18°58 | 2°32 | 4°14 | 0°22 | 18°54 | 11°D18 | 12°44 | 18°42 | 19°53 | F 23 |
| S 24 | 0 35 26 | 6°55'53 | 22°18 | 0♏37 | 10° 0 | 5°30 | 19°11 | 2°31 | 4°17 | 0°24 | 18°54 | 11°19 | 12°41 | 18°49 | 19°50 | S 24 |
| S 25 | 0 39 22 | 7°55'22 | 5♊28 | 1°49 | 11°15 | 5°39 | 19°24 | 2°31 | 4°21 | 0°26 | 18°53 | 11°20 | 12°38 | 18°55 | 19°48 | S 25 |
| M26 | 0 43 19 | 8°54'52 | 18°14 | 3° 0 | 12°30 | 5°47 | 19°36 | 2°30 | 4°24 | 0°28 | 18°52 | 11°22 | 12°34 | 19° 2 | 19°45 | M26 |
| T 27 | 0 47 15 | 9°54'25 | 0♋40 | 4° 8 | 13°45 | 5°55 | 19°49 | 2°30 | 4°28 | 0°30 | 18°51 | 11°23 | 12°31 | 19° 9 | 19°42 | T 27 |
| W28 | 0 51 12 | 10°54'01 | 12°51 | 5°14 | 15° 0 | 6° 1 | 20° 2 | 2°29 | 4°31 | 0°32 | 18°50 | 11°R24 | 12°28 | 19°15 | 19°40 | W28 |
| T 29 | 0 55 8 | 11°53'39 | 24°51 | 6°18 | 16°15 | 6° 7 | 20°14 | 2°29 | 4°35 | 0°35 | 18°49 | 11°23 | 12°25 | 19°22 | 19°37 | T 29 |
| F 30 | 0 59 5 | 12♎53'19 | 6♌44 | 7♏20 | 17♎30 | 6♊12 | 20♍27 | 2♒29 | 4♏38 | 0♏37 | 18♉49 | 11♏21 | 12♏22 | 19♌29 | 19♓35 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n13 | 18n 1 | 4s33 | 1n17 | 0n22 | 8n41 | 1n25 | 18n37 | 1s29 | 7n14 | 1n 5 | 20s29 | 0s59 | 12s12 | 0n25 | 9s43 | 1n48 | 4n30 | 13s35 | 15s48 | 16s 5 | 11n 8 | 0n19 | 4n17 |
| F 2 | 5 50 | 15 46 | 4 55 | 0 32 | 0 15 | 8 12 | 1 25 | 18 43 | 1 27 | 7 9 | 1 5 | 20 30 | 0 59 | 12 13 | 0 25 | 9 43 | 1 48 | 4 30 | 13 35 | 15 46 | 16 4 | 11 6 | 0 18 | 4 17 |
| S 3 | 5 27 | 12 53 | 5 4 | 0s13 | 0 8 | 7 43 | 1 25 | 18 49 | 1 26 | 7 4 | 1 5 | 20 30 | 0 59 | 12 14 | 0 25 | 9 44 | 1 48 | 4 29 | 13 35 | 15 43 | 16 3 | 11 4 | 0 17 | 4 17 |
| S 4 | 5 4 | 9 29 | 5 0 | 0 57 | 0 1 | 7 14 | 1 25 | 18 54 | 1 25 | 6 59 | 1 5 | 20 31 | 0 59 | 12 15 | 0 25 | 9 45 | 1 48 | 4 29 | 13 35 | 15 40 | 16 2 | 11 2 | 0 15 | 4 17 |
| M 5 | 4 41 | 5 41 | 4 44 | 1 41 | 0s 6 | 6 45 | 1 25 | 19 0 | 1 24 | 6 54 | 1 5 | 20 31 | 0 59 | 12 16 | 0 25 | 9 45 | 1 48 | 4 29 | 13 36 | 15 37 | 16 1 | 11 0 | 0 14 | 4 17 |
| T 6 | 4 18 | 1 39 | 4 14 | 2 25 | 0 14 | 6 15 | 1 24 | 19 6 | 1 22 | 6 49 | 1 5 | 20 32 | 0 59 | 12 17 | 0 25 | 9 46 | 1 48 | 4 28 | 13 36 | 15 34 | 16 0 | 10 58 | 0 13 | 4 17 |
| W 7 | 3 55 | 2s30 | 3 33 | 3 8 | 0 21 | 5 46 | 1 24 | 19 11 | 1 21 | 6 44 | 1 6 | 20 32 | 0 59 | 12 18 | 0 25 | 9 47 | 1 48 | 4 28 | 13 36 | 15 31 | 15 59 | 10 56 | 0 12 | 4 17 |
| T 8 | 3 31 | 6 35 | 2 41 | 3 51 | 0 28 | 5 16 | 1 24 | 19 16 | 1 20 | 6 39 | 1 6 | 20 33 | 0 59 | 12 19 | 0 25 | 9 47 | 1 48 | 4 28 | 13 36 | 15 29 | 15 58 | 10 55 | 0 11 | 4 17 |
| F 9 | 3 8 | 10 27 | 1 41 | 4 34 | 0 36 | 4 46 | 1 23 | 19 22 | 1 19 | 6 34 | 1 6 | 20 33 | 0 59 | 12 20 | 0 25 | 9 48 | 1 48 | 4 27 | 13 36 | 15 28 | 15 57 | 10 53 | 0 10 | 4 17 |
| S 10 | 2 45 | 13 54 | 0 35 | 5 16 | 0 43 | 4 16 | 1 23 | 19 27 | 1 17 | 6 29 | 1 6 | 20 34 | 0 59 | 12 22 | 0 25 | 9 49 | 1 48 | 4 27 | 13 37 | 15 27 | 15 56 | 10 51 | 0 9 | 4 17 |
| S 11 | 2 21 | 16 45 | 0n33 | 5 57 | 0 51 | 3 45 | 1 22 | 19 32 | 1 16 | 6 24 | 1 6 | 20 34 | 0 59 | 12 23 | 0 25 | 9 50 | 1 48 | 4 27 | 13 37 | 15 27 | 15 55 | 10 49 | 0 7 | 4 17 |
| M12 | 1 58 | 18 48 | 1 42 | 6 38 | 0 58 | 3 15 | 1 22 | 19 36 | 1 14 | 6 19 | 1 6 | 20 35 | 0 59 | 12 24 | 0 25 | 9 50 | 1 48 | 4 26 | 13 37 | 15 28 | 15 54 | 10 47 | 0 6 | 4 17 |
| T 13 | 1 34 | 19 52 | 2 46 | 7 19 | 1 5 | 2 44 | 1 21 | 19 41 | 1 13 | 6 14 | 1 6 | 20 35 | 0 59 | 12 25 | 0 25 | 9 51 | 1 48 | 4 26 | 13 37 | 15 28 | 15 54 | 10 45 | 0 5 | 4 17 |
| W14 | 1 11 | 19 49 | 3 43 | 7 58 | 1 13 | 2 14 | 1 20 | 19 46 | 1 11 | 6 9 | 1 6 | 20 36 | 0 59 | 12 26 | 0 25 | 9 52 | 1 48 | 4 26 | 13 37 | 15 28 | 15 53 | 10 43 | 0 4 | 4 17 |
| T 15 | 0 47 | 18 34 | 4 28 | 8 37 | 1 20 | 1 43 | 1 20 | 19 50 | 1 10 | 6 4 | 1 6 | 20 36 | 0 59 | 12 27 | 0 25 | 9 52 | 1 48 | 4 25 | 13 38 | 15 28 | 15 52 | 10 41 | 0 3 | 4 17 |
| F 16 | 0 23 | 16 8 | 4 58 | 9 16 | 1 27 | 1 12 | 1 19 | 19 55 | 1 8 | 5 59 | 1 6 | 20 36 | 0 59 | 12 28 | 0 25 | 9 53 | 1 48 | 4 25 | 13 38 | 15 27 | 15 51 | 10 39 | 0 2 | 4 16 |
| S 17 | 0s 0 | 12 38 | 5 9 | 9 54 | 1 34 | 0 42 | 1 18 | 19 59 | 1 7 | 5 54 | 1 6 | 20 37 | 0 59 | 12 29 | 0 25 | 9 54 | 1 48 | 4 25 | 13 38 | 15 26 | 15 50 | 10 37 | 0 0 | 4 16 |
| S 18 | 0 24 | 8 19 | 5 0 | 10 31 | 1 41 | 0 11 | 1 17 | 20 3 | 1 5 | 5 49 | 1 6 | 20 37 | 0 59 | 12 30 | 0 25 | 9 55 | 1 48 | 4 24 | 13 38 | 15 24 | 15 49 | 10 35 | 0s 1 | 4 16 |
| M19 | 0 48 | 3 27 | 4 31 | 11 7 | 1 48 | 0s20 | 1 16 | 20 7 | 1 3 | 5 44 | 1 6 | 20 37 | 0 59 | 12 31 | 0 25 | 9 55 | 1 48 | 4 24 | 13 38 | 15 22 | 15 48 | 10 33 | 0 2 | 4 16 |
| T 20 | 1 11 | 1n37 | 3 43 | 11 43 | 1 55 | 0 51 | 1 15 | 20 11 | 1 2 | 5 39 | 1 6 | 20 38 | 0 59 | 12 33 | 0 25 | 9 56 | 1 48 | 4 23 | 13 39 | 15 20 | 15 47 | 10 31 | 0 3 | 4 16 |
| W21 | 1 35 | 6 33 | 2 41 | 12 17 | 2 1 | 1 22 | 1 14 | 20 15 | 1 0 | 5 34 | 1 6 | 20 38 | 0 59 | 12 34 | 0 25 | 9 57 | 1 48 | 4 23 | 13 39 | 15 19 | 15 46 | 10 29 | 0 4 | 4 16 |
| T 22 | 1 59 | 10 59 | 1 29 | 12 51 | 2 8 | 1 53 | 1 12 | 20 18 | 0 58 | 5 29 | 1 6 | 20 38 | 0 59 | 12 35 | 0 25 | 9 57 | 1 48 | 4 23 | 13 39 | 15 18 | 15 45 | 10 27 | 0 5 | 4 16 |
| F 23 | 2 22 | 14 42 | 0 14 | 13 24 | 2 14 | 2 24 | 1 11 | 20 22 | 0 56 | 5 24 | 1 6 | 20 38 | 0 59 | 12 36 | 0 25 | 9 58 | 1 48 | 4 22 | 13 39 | 15 18 | 15 44 | 10 25 | 0 7 | 4 16 |
| S 24 | 2 46 | 17 28 | 1s 0 | 13 56 | 2 20 | 2 54 | 1 10 | 20 26 | 0 54 | 5 19 | 1 7 | 20 38 | 0 59 | 12 37 | 0 25 | 9 59 | 1 48 | 4 22 | 13 39 | 15 18 | 15 43 | 10 23 | 0 8 | 4 15 |
| S 25 | 3 9 | 19 13 | 2 8 | 14 26 | 2 26 | 3 25 | 1 8 | 20 29 | 0 53 | 5 14 | 1 7 | 20 38 | 0 59 | 12 38 | 0 25 | 10 0 | 1 48 | 4 22 | 13 39 | 15 18 | 15 42 | 10 21 | 0 9 | 4 15 |
| M26 | 3 33 | 19 54 | 3 8 | 14 56 | 2 31 | 3 56 | 1 7 | 20 32 | 0 51 | 5 9 | 1 7 | 20 39 | 0 59 | 12 40 | 0 25 | 10 0 | 1 48 | 4 21 | 13 40 | 15 19 | 15 41 | 10 19 | 0 10 | 4 15 |
| T 27 | 3 57 | 19 35 | 3 58 | 15 24 | 2 37 | 4 27 | 1 6 | 20 36 | 0 49 | 5 4 | 1 7 | 20 39 | 0 59 | 12 41 | 0 25 | 10 1 | 1 48 | 4 21 | 13 40 | 15 19 | 15 40 | 10 17 | 0 11 | 4 15 |
| W28 | 4 20 | 18 22 | 4 35 | 15 52 | 2 41 | 4 57 | 1 4 | 20 39 | 0 47 | 5 0 | 1 7 | 20 39 | 0 59 | 12 42 | 0 25 | 10 2 | 1 48 | 4 21 | 13 40 | 15 19 | 15 39 | 10 15 | 0 12 | 4 15 |
| T 29 | 4 43 | 16 20 | 5 0 | 16 18 | 2 46 | 5 28 | 1 2 | 20 42 | 0 45 | 4 55 | 1 7 | 20 39 | 0 59 | 12 43 | 0 25 | 10 3 | 1 48 | 4 20 | 13 40 | 15 19 | 15 38 | 10 14 | 0 13 | 4 15 |
| F 30 | 5s 7 | 13n38 | 5s12 | 16s42 | 2s50 | 5s58 | 1n 1 | 20n45 | 0s43 | 4n50 | 1n 7 | 20s39 | 0s59 | 12s44 | 0n25 | 10s 4 | 1n48 | 4n20 | 13s40 | 15s18 | 15s37 | 10n12 | 0s15 | 4n15 |

Julian Day Number = 2136955.5, Delta T = 15m48s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'54, Lahiri = 11°50'54 Julian Calendar 1 Sept. 1138 == Greg. Calendar 8 Sept. 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## OCTOBER 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 3 1 | 13♎53'01 | 18♌36 | 8♏19 | 18♎45 | 6♊16 | 20♍39 | 2°D29 | 4♏42 | 0♏39 | 18°R48 | 11°R17 | 12♏19 | 19♌36 | 19°R32 | S 1 |
| S 2 | 1 6 58 | 14°52'45 | 0♍30 | 9°15 | 20° 0 | 6°19 | 20°52 | 2♒29 | 4°45 | 0°41 | 18♉47 | 11♏13 | 12°15 | 19°42 | 19♓30 | S 2 |
| M 3 | 1 10 55 | 15°52'32 | 12°29 | 10° 8 | 21°16 | 6°22 | 21° 4 | 2°29 | 4°49 | 0°43 | 18°46 | 11° 8 | 12°12 | 19°49 | 19°28 | M 3 |
| T 4 | 1 14 51 | 16°52'21 | 24°36 | 10°57 | 22°31 | 6°23 | 21°16 | 2°30 | 4°52 | 0°45 | 18°45 | 11° 4 | 12° 9 | 19°56 | 19°25 | T 4 |
| W 5 | 1 18 48 | 17°52'12 | 6♎54 | 11°42 | 23°46 | 6°R24 | 21°29 | 2°30 | 4°56 | 0°48 | 18°44 | 11° 0 | 12° 6 | 20° 3 | 19°23 | W 5 |
| T 6 | 1 22 44 | 18°52'05 | 19°22 | 12°23 | 25° 1 | 6°24 | 21°41 | 2°30 | 5° 0 | 0°50 | 18°43 | 10°58 | 12° 3 | 20° 9 | 19°20 | T 6 |
| F 7 | 1 26 41 | 19°52'00 | 2♏ 3 | 12°59 | 26°16 | 6°23 | 21°53 | 2°31 | 5° 3 | 0°52 | 18°42 | 10°57 | 12° 0 | 20°16 | 19°18 | F 7 |
| S 8 | 1 30 37 | 20°51'56 | 14°55 | 13°30 | 27°31 | 6°21 | 22° 5 | 2°32 | 5° 7 | 0°54 | 18°41 | 10°D56 | 11°56 | 20°23 | 19°16 | S 8 |
| S 9 | 1 34 34 | 21°51'55 | 28° 0 | 13°54 | 28°47 | 6°18 | 22°17 | 2°33 | 5°11 | 0°56 | 18°40 | 10°57 | 11°53 | 20°29 | 19°14 | S 9 |
| M10 | 1 38 30 | 22°51'56 | 11♐18 | 14°12 | 0♏ 2 | 6°14 | 22°30 | 2°33 | 5°14 | 0°59 | 18°39 | 10°58 | 11°50 | 20°36 | 19°11 | M10 |
| T 11 | 1 42 27 | 23°51'58 | 24°49 | 14°23 | 1°17 | 6°10 | 22°42 | 2°34 | 5°18 | 1° 1 | 18°38 | 11° 0 | 11°47 | 20°43 | 19° 9 | T 11 |
| W12 | 1 46 24 | 24°52'02 | 8♑34 | 14°R26 | 2°32 | 6° 4 | 22°54 | 2°36 | 5°22 | 1° 3 | 18°37 | 11° 1 | 11°44 | 20°50 | 19° 7 | W12 |
| T 13 | 1 50 20 | 25°52'08 | 22°30 | 14°20 | 3°47 | 5°58 | 23° 5 | 2°37 | 5°25 | 1° 5 | 18°36 | 11°R 1 | 11°40 | 20°56 | 19° 5 | T 13 |
| F 14 | 1 54 17 | 26°52'15 | 6♒39 | 14° 6 | 5° 2 | 5°51 | 23°17 | 2°38 | 5°29 | 1° 8 | 18°35 | 11° 1 | 11°37 | 21° 3 | 19° 3 | F 14 |
| S 15 | 1 58 13 | 27°52'24 | 20°58 | 13°42 | 6°18 | 5°43 | 23°29 | 2°40 | 5°33 | 1°10 | 18°34 | 11° 0 | 11°34 | 21°10 | 19° 1 | S 15 |
| S 16 | 2 2 10 | 28°52'34 | 5♓24 | 13° 8 | 7°33 | 5°34 | 23°41 | 2°41 | 5°36 | 1°12 | 18°33 | 10°59 | 11°31 | 21°16 | 18°59 | S 16 |
| M17 | 2 6 6 | 29°52'46 | 19°54 | 12°25 | 8°48 | 5°24 | 23°53 | 2°43 | 5°40 | 1°14 | 18°32 | 10°58 | 11°28 | 21°23 | 18°57 | M17 |
| T 18 | 2 10 3 | 0♏52'59 | 4♈21 | 11°33 | 10° 3 | 5°13 | 24° 4 | 2°44 | 5°44 | 1°17 | 18°31 | 10°56 | 11°25 | 21°30 | 18°55 | T 18 |
| W19 | 2 13 59 | 1°53'14 | 18°40 | 10°31 | 11°18 | 5° 1 | 24°16 | 2°46 | 5°48 | 1°19 | 18°30 | 10°55 | 11°21 | 21°37 | 18°53 | W19 |
| T 20 | 2 17 56 | 2°53'31 | 2♉47 | 9°23 | 12°34 | 4°49 | 24°27 | 2°48 | 5°51 | 1°21 | 18°29 | 10°55 | 11°18 | 21°43 | 18°51 | T 20 |
| F 21 | 2 21 53 | 3°53'49 | 16°37 | 8° 8 | 13°49 | 4°36 | 24°39 | 2°50 | 5°55 | 1°23 | 18°28 | 10°D55 | 11°15 | 21°50 | 18°50 | F 21 |
| S 22 | 2 25 49 | 4°54'10 | 0♊ 6 | 6°50 | 15° 4 | 4°22 | 24°50 | 2°52 | 5°59 | 1°26 | 18°26 | 10°55 | 11°12 | 21°57 | 18°48 | S 22 |
| S 23 | 2 29 46 | 5°54'32 | 13°15 | 5°29 | 16°19 | 4° 7 | 25° 1 | 2°54 | 6° 3 | 1°28 | 18°25 | 10°56 | 11° 9 | 22° 4 | 18°46 | S 23 |
| M24 | 2 33 42 | 6°54'56 | 26° 3 | 4°11 | 17°34 | 3°52 | 25°13 | 2°57 | 6° 6 | 1°30 | 18°24 | 10°56 | 11° 5 | 22°10 | 18°45 | M24 |
| T 25 | 2 37 39 | 7°55'22 | 8♋32 | 2°55 | 18°49 | 3°35 | 25°24 | 2°59 | 6°10 | 1°32 | 18°23 | 10°57 | 11° 2 | 22°17 | 18°43 | T 25 |
| W26 | 2 41 35 | 8°55'50 | 20°45 | 1°46 | 20° 5 | 3°18 | 25°35 | 3° 2 | 6°14 | 1°35 | 18°22 | 10°57 | 10°59 | 22°24 | 18°42 | W26 |
| T 27 | 2 45 32 | 9°56'20 | 2♌47 | 0°45 | 21°20 | 3° 1 | 25°46 | 3° 4 | 6°17 | 1°37 | 18°21 | 10°57 | 10°56 | 22°30 | 18°40 | T 27 |
| F 28 | 2 49 28 | 10°56'51 | 14°42 | 29♎54 | 22°35 | 2°42 | 25°57 | 3° 7 | 6°21 | 1°39 | 18°20 | 10°57 | 10°53 | 22°37 | 18°39 | F 28 |
| S 29 | 2 53 25 | 11°57'25 | 26°34 | 29°14 | 23°50 | 2°23 | 26° 8 | 3°10 | 6°25 | 1°41 | 18°19 | 10°57 | 10°50 | 22°44 | 18°37 | S 29 |
| S 30 | 2 57 22 | 12°58'00 | 8♍29 | 28°45 | 25° 5 | 2° 4 | 26°19 | 3°13 | 6°29 | 1°44 | 18°18 | 10°57 | 10°46 | 22°51 | 18°36 | S 30 |
| M31 | 3 1 18 | 13♏58'37 | 20♍30 | 28♎28 | 26♏20 | 1♊44 | 26♍29 | 3♒16 | 6♏32 | 1♏46 | 18♉16 | 10♏57 | 10♏43 | 22♌57 | 18♓35 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s30 | 10n24 | 5s11 | 17s 5 | 2s54 | 6s28 | 0n59 | 20n47 | 0s40 | 4n45 | 1n 7 | 20s39 | 0s59 | 12s46 | 0n25 | 10s 4 | 1n48 | 4n19 | 13s40 | 15s17 | 15s36 | 10n10 | 0s16 | 4n14 |
| S 2 | 5 53 | 6 44 | 4 56 | 17 26 | 2 57 | 6 58 | 0 57 | 20 50 | 0 38 | 4 40 | 1 7 | 20 39 | 0 58 | 12 47 | 0 25 | 10 5 | 1 48 | 4 19 | 13 40 | 15 16 | 15 35 | 10 8 | 0 17 | 4 14 |
| M 3 | 6 16 | 2 47 | 4 28 | 17 46 | 3 0 | 7 28 | 0 56 | 20 53 | 0 36 | 4 35 | 1 7 | 20 39 | 0 58 | 12 48 | 0 25 | 10 6 | 1 48 | 4 19 | 13 41 | 15 14 | 15 34 | 10 6 | 0 18 | 4 14 |
| T 4 | 6 40 | 1s20 | 3 48 | 18 4 | 3 2 | 7 58 | 0 54 | 20 55 | 0 34 | 4 31 | 1 7 | 20 39 | 0 58 | 12 49 | 0 24 | 10 7 | 1 48 | 4 18 | 13 41 | 15 13 | 15 33 | 10 4 | 0 19 | 4 14 |
| W 5 | 7 3 | 5 27 | 2 56 | 18 19 | 3 3 | 8 28 | 0 52 | 20 58 | 0 32 | 4 26 | 1 8 | 20 38 | 0 58 | 12 50 | 0 24 | 10 7 | 1 47 | 4 18 | 13 41 | 15 12 | 15 32 | 10 2 | 0 20 | 4 14 |
| T 6 | 7 25 | 9 24 | 1 56 | 18 33 | 3 4 | 8 57 | 0 50 | 21 0 | 0 29 | 4 21 | 1 8 | 20 38 | 0 58 | 12 52 | 0 24 | 10 8 | 1 47 | 4 18 | 13 41 | 15 11 | 15 31 | 10 0 | 0 21 | 4 14 |
| F 7 | 7 48 | 13 0 | 0 49 | 18 44 | 3 4 | 9 26 | 0 48 | 21 2 | 0 27 | 4 16 | 1 8 | 20 38 | 0 58 | 12 53 | 0 24 | 10 9 | 1 47 | 4 17 | 13 41 | 15 11 | 15 30 | 9 58 | 0 22 | 4 13 |
| S 8 | 8 11 | 16 2 | 0n22 | 18 52 | 3 3 | 9 55 | 0 46 | 21 4 | 0 24 | 4 11 | 1 8 | 20 38 | 0 58 | 12 54 | 0 24 | 10 10 | 1 47 | 4 17 | 13 41 | 15 11 | 15 29 | 9 56 | 0 23 | 4 13 |
| S 9 | 8 33 | 18 18 | 1 33 | 18 58 | 3 1 | 10 24 | 0 44 | 21 6 | 0 22 | 4 7 | 1 8 | 20 38 | 0 58 | 12 55 | 0 24 | 10 11 | 1 47 | 4 17 | 13 41 | 15 11 | 15 28 | 9 54 | 0 24 | 4 13 |
| M10 | 8 56 | 19 36 | 2 40 | 19 0 | 2 58 | 10 53 | 0 42 | 21 8 | 0 19 | 4 2 | 1 8 | 20 38 | 0 58 | 12 57 | 0 24 | 10 11 | 1 47 | 4 16 | 13 41 | 15 11 | 15 27 | 9 52 | 0 25 | 4 13 |
| T 11 | 9 18 | 19 48 | 3 39 | 18 59 | 2 54 | 11 21 | 0 40 | 21 9 | 0 17 | 3 57 | 1 8 | 20 37 | 0 58 | 12 58 | 0 24 | 10 12 | 1 47 | 4 16 | 13 41 | 15 12 | 15 26 | 9 50 | 0 26 | 4 13 |
| W12 | 9 40 | 18 50 | 4 27 | 18 55 | 2 48 | 11 49 | 0 38 | 21 11 | 0 14 | 3 53 | 1 8 | 20 37 | 0 58 | 12 59 | 0 24 | 10 13 | 1 47 | 4 16 | 13 42 | 15 12 | 15 25 | 9 48 | 0 27 | 4 12 |
| T 13 | 10 2 | 16 44 | 5 0 | 18 46 | 2 41 | 12 17 | 0 36 | 21 12 | 0 12 | 3 48 | 1 8 | 20 37 | 0 58 | 13 0 | 0 24 | 10 14 | 1 47 | 4 15 | 13 42 | 15 12 | 15 24 | 9 46 | 0 28 | 4 12 |
| F 14 | 10 24 | 13 36 | 5 15 | 18 34 | 2 32 | 12 44 | 0 34 | 21 14 | 0 9 | 3 43 | 1 9 | 20 36 | 0 58 | 13 2 | 0 24 | 10 14 | 1 47 | 4 15 | 13 42 | 15 12 | 15 23 | 9 44 | 0 29 | 4 12 |
| S 15 | 10 46 | 9 39 | 5 12 | 18 17 | 2 22 | 13 11 | 0 31 | 21 15 | 0 6 | 3 39 | 1 9 | 20 36 | 0 58 | 13 3 | 0 24 | 10 15 | 1 47 | 4 15 | 13 42 | 15 12 | 15 22 | 9 42 | 0 30 | 4 12 |
| S 16 | 11 7 | 5 6 | 4 48 | 17 55 | 2 10 | 13 38 | 0 29 | 21 16 | 0 4 | 3 34 | 1 9 | 20 36 | 0 58 | 13 4 | 0 24 | 10 16 | 1 47 | 4 14 | 13 42 | 15 11 | 15 21 | 9 40 | 0 31 | 4 12 |
| M17 | 11 29 | 0 15 | 4 6 | 17 29 | 1 56 | 14 4 | 0 27 | 21 17 | 0 1 | 3 30 | 1 9 | 20 35 | 0 58 | 13 5 | 0 24 | 10 17 | 1 47 | 4 14 | 13 42 | 15 11 | 15 20 | 9 38 | 0 32 | 4 11 |
| T 18 | 11 50 | 4n37 | 3 9 | 16 58 | 1 41 | 14 31 | 0 25 | 21 18 | 0n 2 | 3 25 | 1 9 | 20 35 | 0 58 | 13 7 | 0 24 | 10 18 | 1 47 | 4 14 | 13 42 | 15 11 | 15 19 | 9 36 | 0 33 | 4 11 |
| W19 | 12 11 | 9 12 | 2 0 | 16 22 | 1 24 | 14 56 | 0 22 | 21 19 | 0 5 | 3 21 | 1 9 | 20 34 | 0 58 | 13 8 | 0 24 | 10 18 | 1 47 | 4 13 | 13 42 | 15 10 | 15 18 | 9 34 | 0 34 | 4 11 |
| T 20 | 12 32 | 13 12 | 0 45 | 15 43 | 1 5 | 15 22 | 0 20 | 21 19 | 0 7 | 3 16 | 1 9 | 20 34 | 0 58 | 13 9 | 0 24 | 10 19 | 1 47 | 4 13 | 13 42 | 15 10 | 15 17 | 9 32 | 0 35 | 4 11 |
| F 21 | 12 52 | 16 22 | 0s32 | 15 0 | 0 46 | 15 47 | 0 18 | 21 19 | 0 10 | 3 12 | 1 9 | 20 33 | 0 58 | 13 10 | 0 24 | 10 20 | 1 47 | 4 13 | 13 42 | 15 10 | 15 16 | 9 30 | 0 36 | 4 10 |
| S 22 | 13 13 | 18 34 | 1 44 | 14 15 | 0 25 | 16 11 | 0 15 | 21 20 | 0 13 | 3 8 | 1 10 | 20 33 | 0 58 | 13 12 | 0 24 | 10 21 | 1 47 | 4 12 | 13 42 | 15 10 | 15 15 | 9 28 | 0 37 | 4 10 |
| S 23 | 13 33 | 19 41 | 2 50 | 13 29 | 0 5 | 16 35 | 0 13 | 21 20 | 0 16 | 3 3 | 1 10 | 20 32 | 0 58 | 13 13 | 0 24 | 10 21 | 1 47 | 4 12 | 13 42 | 15 10 | 15 14 | 9 26 | 0 38 | 4 10 |
| M24 | 13 53 | 19 44 | 3 45 | 12 43 | 0n16 | 16 59 | 0 10 | 21 20 | 0 19 | 2 59 | 1 10 | 20 32 | 0 58 | 13 14 | 0 24 | 10 22 | 1 47 | 4 12 | 13 42 | 15 11 | 15 13 | 9 24 | 0 39 | 4 10 |
| T 25 | 14 13 | 18 49 | 4 28 | 11 59 | 0 36 | 17 22 | 0 8 | 21 20 | 0 22 | 2 54 | 1 10 | 20 31 | 0 58 | 13 15 | 0 24 | 10 23 | 1 47 | 4 11 | 13 42 | 15 11 | 15 12 | 9 22 | 0 39 | 4 10 |
| W26 | 14 32 | 17 2 | 4 58 | 11 17 | 0 55 | 17 45 | 0 6 | 21 19 | 0 25 | 2 50 | 1 10 | 20 31 | 0 58 | 13 17 | 0 24 | 10 24 | 1 47 | 4 11 | 13 42 | 15 11 | 15 11 | 9 20 | 0 40 | 4 9 |
| T 27 | 14 52 | 14 32 | 5 14 | 10 39 | 1 13 | 18 8 | 0 3 | 21 19 | 0 28 | 2 46 | 1 10 | 20 30 | 0 58 | 13 18 | 0 24 | 10 25 | 1 47 | 4 11 | 13 42 | 15 11 | 15 10 | 9 18 | 0 41 | 4 9 |
| F 28 | 15 11 | 11 27 | 5 17 | 10 6 | 1 28 | 18 29 | 0 1 | 21 18 | 0 31 | 2 42 | 1 11 | 20 29 | 0 58 | 13 19 | 0 24 | 10 25 | 1 47 | 4 10 | 13 42 | 15 11 | 15 9 | 9 16 | 0 42 | 4 9 |
| S 29 | 15 30 | 7 55 | 5 6 | 9 39 | 1 42 | 18 51 | 0s 2 | 21 17 | 0 34 | 2 38 | 1 11 | 20 29 | 0 58 | 13 20 | 0 24 | 10 26 | 1 47 | 4 10 | 13 42 | 15 11 | 15 8 | 9 14 | 0 43 | 4 9 |
| S 30 | 15 48 | 4 5 | 4 42 | 9 18 | 1 54 | 19 12 | 0 4 | 21 16 | 0 37 | 2 33 | 1 11 | 20 28 | 0 58 | 13 22 | 0 24 | 10 27 | 1 47 | 4 10 | 13 42 | 15 11 | 15 7 | 9 12 | 0 43 | 4 8 |
| M31 | 16s 6 | 0n 2 | 4s 5 | 9s 2 | 2n 4 | 19s32 | 0s 7 | 21n15 | 0n40 | 2n29 | 1n11 | 20s27 | 0s58 | 13s23 | 0n24 | 10s28 | 1n48 | 4n 9 | 13s42 | 15s11 | 15s 6 | 9n10 | 0s44 | 4n 8 |

Julian Day Number = 2136985.5, Delta T = 15m48s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°43'58, Lahiri = 11°50'59 Julian Calendar 1 Oct. 1138 == Greg. Calendar 8 Oct. 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## NOVEMBER 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 5 15 | 14♏59'16 | 2♎41 | 28°D22 | 27♏36 | 1°R23 | 26♍40 | 3♒19 | 6♏36 | 1♏48 | 18°R15 | 10♏58 | 10♏40 | 23♌ 4 | 18°R33 | T 1 |
| W 2 | 3 9 11 | 15°59'56 | 15° 7 | 28♎28 | 28°51 | 1♊ 2 | 26°50 | 3°22 | 6°40 | 1°50 | 18♉14 | 10°58 | 10°37 | 23°11 | 18♓32 | W 2 |
| T 3 | 3 13 8 | 17° 0'38 | 27°48 | 28°44 | 0♐ 6 | 0°40 | 27° 1 | 3°25 | 6°43 | 1°52 | 18°13 | 10°59 | 10°34 | 23°17 | 18°31 | T 3 |
| F 4 | 3 17 4 | 18° 1'22 | 10♏46 | 29° 9 | 1°21 | 0°18 | 27°11 | 3°28 | 6°47 | 1°55 | 18°12 | 10°R59 | 10°31 | 23°24 | 18°30 | F 4 |
| S 5 | 3 21 1 | 19° 2'07 | 24° 2 | 29°43 | 2°36 | 29♉56 | 27°21 | 3°32 | 6°51 | 1°57 | 18°11 | 10°59 | 10°27 | 23°31 | 18°29 | S 5 |
| S 6 | 3 24 57 | 20° 2'53 | 7♐33 | 0♏24 | 3°52 | 29°34 | 27°32 | 3°35 | 6°55 | 1°59 | 18°10 | 10°58 | 10°24 | 23°38 | 18°28 | S 6 |
| M 7 | 3 28 54 | 21° 3'41 | 21°18 | 1°13 | 5° 7 | 29°11 | 27°42 | 3°39 | 6°58 | 2° 1 | 18° 9 | 10°57 | 10°21 | 23°44 | 18°27 | M 7 |
| T 8 | 3 32 51 | 22° 4'30 | 5♑15 | 2° 7 | 6°22 | 28°48 | 27°52 | 3°43 | 7° 2 | 2° 3 | 18° 7 | 10°55 | 10°18 | 23°51 | 18°26 | T 8 |
| W 9 | 3 36 47 | 23° 5'20 | 19°19 | 3° 7 | 7°37 | 28°25 | 28° 2 | 3°46 | 7° 5 | 2° 5 | 18° 6 | 10°54 | 10°15 | 23°58 | 18°25 | W 9 |
| T 10 | 3 40 44 | 24° 6'11 | 3♒29 | 4°11 | 8°52 | 28° 2 | 28°11 | 3°50 | 7° 9 | 2° 7 | 18° 5 | 10°53 | 10°11 | 24° 4 | 18°24 | T 10 |
| F 11 | 3 44 40 | 25° 7'02 | 17°41 | 5°19 | 10° 7 | 27°39 | 28°21 | 3°54 | 7°13 | 2°10 | 18° 4 | 10°52 | 10° 8 | 24°11 | 18°24 | F 11 |
| S 12 | 3 48 37 | 26° 7'55 | 1♓52 | 6°31 | 11°23 | 27°16 | 28°31 | 3°58 | 7°16 | 2°12 | 18° 3 | 10°D52 | 10° 5 | 24°18 | 18°23 | S 12 |
| S 13 | 3 52 33 | 27° 8'48 | 16° 1 | 7°45 | 12°38 | 26°53 | 28°40 | 4° 2 | 7°20 | 2°14 | 18° 2 | 10°53 | 10° 2 | 24°25 | 18°22 | S 13 |
| M14 | 3 56 30 | 28° 9'43 | 0♈ 5 | 9° 3 | 13°53 | 26°30 | 28°49 | 4° 7 | 7°23 | 2°16 | 18° 1 | 10°54 | 9°59 | 24°31 | 18°22 | M14 |
| T 15 | 4 0 26 | 29°10'38 | 14° 3 | 10°22 | 15° 8 | 26° 7 | 28°59 | 4°11 | 7°27 | 2°18 | 18° 0 | 10°55 | 9°56 | 24°38 | 18°21 | T 15 |
| W16 | 4 4 23 | 0♐11'33 | 27°53 | 11°43 | 16°23 | 25°45 | 29° 8 | 4°15 | 7°31 | 2°20 | 17°58 | 10°56 | 9°52 | 24°45 | 18°21 | W16 |
| T 17 | 4 8 20 | 1°12'30 | 11♉33 | 13° 6 | 17°38 | 25°23 | 29°17 | 4°20 | 7°34 | 2°22 | 17°57 | 10°R57 | 9°49 | 24°52 | 18°21 | T 17 |
| F 18 | 4 12 16 | 2°13'28 | 25° 0 | 14°30 | 18°53 | 25° 1 | 29°26 | 4°24 | 7°38 | 2°24 | 17°56 | 10°56 | 9°46 | 24°58 | 18°20 | F 18 |
| S 19 | 4 16 13 | 3°14'27 | 8♊13 | 15°55 | 20° 8 | 24°39 | 29°34 | 4°29 | 7°41 | 2°26 | 17°55 | 10°54 | 9°43 | 25° 5 | 18°20 | S 19 |
| S 20 | 4 20 9 | 4°15'26 | 21°10 | 17°21 | 21°24 | 24°18 | 29°43 | 4°34 | 7°45 | 2°28 | 17°54 | 10°51 | 9°40 | 25°12 | 18°20 | S 20 |
| M21 | 4 24 6 | 5°16'27 | 3♋52 | 18°48 | 22°39 | 23°58 | 29°52 | 4°38 | 7°48 | 2°30 | 17°53 | 10°47 | 9°37 | 25°18 | 18°20 | M21 |
| T 22 | 4 28 2 | 6°17'28 | 16°19 | 20°16 | 23°54 | 23°38 | 0♎ 0 | 4°43 | 7°51 | 2°32 | 17°52 | 10°43 | 9°33 | 25°25 | 18°20 | T 22 |
| W23 | 4 31 59 | 7°18'31 | 28°32 | 21°45 | 25° 9 | 23°18 | 0° 8 | 4°48 | 7°55 | 2°34 | 17°51 | 10°39 | 9°30 | 25°32 | 18°D20 | W23 |
| T 24 | 4 35 55 | 8°19'34 | 10♌35 | 23°14 | 26°24 | 22°59 | 0°17 | 4°53 | 7°58 | 2°36 | 17°50 | 10°35 | 9°27 | 25°39 | 18°20 | T 24 |
| F 25 | 4 39 52 | 9°20'39 | 22°30 | 24°43 | 27°39 | 22°41 | 0°25 | 4°58 | 8° 1 | 2°38 | 17°49 | 10°32 | 9°24 | 25°45 | 18°20 | F 25 |
| S 26 | 4 43 49 | 10°21'44 | 4♍21 | 26°13 | 28°54 | 22°23 | 0°33 | 5° 3 | 8° 5 | 2°40 | 17°48 | 10°31 | 9°21 | 25°52 | 18°20 | S 26 |
| S 27 | 4 47 45 | 11°22'51 | 16°14 | 27°43 | 0♑ 9 | 22° 6 | 0°40 | 5° 8 | 8° 8 | 2°41 | 17°47 | 10°D31 | 9°17 | 25°59 | 18°20 | S 27 |
| M28 | 4 51 42 | 12°23'58 | 28°14 | 29°14 | 1°24 | 21°49 | 0°48 | 5°14 | 8°11 | 2°43 | 17°46 | 10°32 | 9°14 | 26° 5 | 18°20 | M28 |
| T 29 | 4 55 38 | 13°25'06 | 10♎25 | 0♐45 | 2°39 | 21°34 | 0°56 | 5°19 | 8°15 | 2°45 | 17°45 | 10°33 | 9°11 | 26°12 | 18°21 | T 29 |
| W30 | 4 59 35 | 14♐26'15 | 22♎52 | 2♐16 | 3♑54 | 21♉19 | 1♎ 3 | 5♒24 | 8♏18 | 2♏47 | 17♉44 | 10♏35 | 9♏ 8 | 26♌19 | 18♓21 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s24 | 4s 5 | 3s17 | 8s53 | 2n13 | 19s52 | 0s 9 | 21n14 | 0n43 | 2n25 | 1n11 | 20s27 | 0s58 | 13s24 | 0n24 | 10s28 | 1n48 | 4n 9 | 13s42 | 15s11 | 15s 6 | 9n 8 | 0s45 | 4n 8 |
| W 2 | 16 42 | 8 6 | 2 19 | 8 49 | 2 19 | 20 11 | 0 12 | 21 12 | 0 46 | 2 21 | 1 11 | 20 26 | 0 58 | 13 25 | 0 24 | 10 29 | 1 48 | 4 9 | 13 42 | 15 11 | 15 5 | 9 6 | 0 46 | 4 8 |
| T 3 | 17 0 | 11 52 | 1 12 | 8 50 | 2 23 | 20 30 | 0 14 | 21 11 | 0 49 | 2 17 | 1 11 | 20 25 | 0 58 | 13 26 | 0 24 | 10 30 | 1 48 | 4 9 | 13 42 | 15 11 | 15 4 | 9 4 | 0 46 | 4 7 |
| F 4 | 17 17 | 15 9 | 0 1 | 8 57 | 2 26 | 20 48 | 0 17 | 21 9 | 0 52 | 2 13 | 1 12 | 20 24 | 0 58 | 13 28 | 0 24 | 10 31 | 1 48 | 4 8 | 13 42 | 15 11 | 15 3 | 9 2 | 0 47 | 4 7 |
| S 5 | 17 34 | 17 42 | 1n12 | 9 7 | 2 28 | 21 5 | 0 19 | 21 7 | 0 54 | 2 9 | 1 12 | 20 23 | 0 58 | 13 29 | 0 24 | 10 31 | 1 48 | 4 8 | 13 42 | 15 11 | 15 2 | 9 0 | 0 48 | 4 7 |
| S 6 | 17 50 | 19 20 | 2 22 | 9 21 | 2 28 | 21 22 | 0 21 | 21 5 | 0 57 | 2 5 | 1 12 | 20 23 | 0 58 | 13 30 | 0 24 | 10 32 | 1 48 | 4 8 | 13 42 | 15 11 | 15 1 | 8 58 | 0 48 | 4 6 |
| M 7 | 18 6 | 19 51 | 3 25 | 9 39 | 2 27 | 21 38 | 0 24 | 21 3 | 1 0 | 2 1 | 1 12 | 20 22 | 0 58 | 13 31 | 0 24 | 10 33 | 1 48 | 4 8 | 13 42 | 15 11 | 15 0 | 8 56 | 0 49 | 4 6 |
| T 8 | 18 22 | 19 10 | 4 17 | 9 59 | 2 25 | 21 54 | 0 26 | 21 1 | 1 3 | 1 58 | 1 12 | 20 21 | 0 58 | 13 33 | 0 24 | 10 33 | 1 48 | 4 7 | 13 42 | 15 10 | 14 58 | 8 54 | 0 49 | 4 6 |
| W 9 | 18 38 | 17 18 | 4 54 | 10 22 | 2 23 | 22 9 | 0 29 | 20 58 | 1 6 | 1 54 | 1 13 | 20 20 | 0 58 | 13 34 | 0 24 | 10 34 | 1 48 | 4 7 | 13 42 | 15 10 | 14 57 | 8 52 | 0 50 | 4 6 |
| T 10 | 18 53 | 14 23 | 5 14 | 10 47 | 2 19 | 22 24 | 0 31 | 20 56 | 1 9 | 1 50 | 1 13 | 20 19 | 0 58 | 13 35 | 0 24 | 10 35 | 1 48 | 4 7 | 13 42 | 15 9 | 14 56 | 8 50 | 0 51 | 4 5 |
| F 11 | 19 8 | 10 37 | 5 14 | 11 14 | 2 15 | 22 37 | 0 34 | 20 53 | 1 11 | 1 46 | 1 13 | 20 18 | 0 58 | 13 36 | 0 24 | 10 36 | 1 48 | 4 7 | 13 42 | 15 9 | 14 55 | 8 48 | 0 51 | 4 5 |
| S 12 | 19 22 | 6 16 | 4 55 | 11 42 | 2 10 | 22 50 | 0 36 | 20 50 | 1 14 | 1 43 | 1 13 | 20 17 | 0 58 | 13 37 | 0 24 | 10 36 | 1 48 | 4 6 | 13 42 | 15 9 | 14 54 | 8 46 | 0 52 | 4 5 |
| S 13 | 19 37 | 1 34 | 4 19 | 12 11 | 2 5 | 23 3 | 0 38 | 20 48 | 1 17 | 1 39 | 1 13 | 20 16 | 0 58 | 13 38 | 0 24 | 10 37 | 1 48 | 4 6 | 13 42 | 15 9 | 14 53 | 8 44 | 0 52 | 4 5 |
| M14 | 19 50 | 3n12 | 3 27 | 12 41 | 2 0 | 23 15 | 0 41 | 20 45 | 1 19 | 1 36 | 1 14 | 20 15 | 0 58 | 13 40 | 0 24 | 10 38 | 1 48 | 4 6 | 13 42 | 15 10 | 14 52 | 8 43 | 0 53 | 4 4 |
| T 15 | 20 4 | 7 46 | 2 23 | 13 12 | 1 54 | 23 26 | 0 43 | 20 42 | 1 22 | 1 32 | 1 14 | 20 14 | 0 58 | 13 41 | 0 24 | 10 38 | 1 48 | 4 6 | 13 42 | 15 10 | 14 51 | 8 41 | 0 53 | 4 4 |
| W16 | 20 17 | 11 53 | 1 11 | 13 43 | 1 47 | 23 36 | 0 45 | 20 39 | 1 24 | 1 29 | 1 14 | 20 13 | 0 58 | 13 42 | 0 24 | 10 39 | 1 48 | 4 6 | 13 41 | 15 11 | 14 50 | 8 39 | 0 53 | 4 4 |
| T 17 | 20 30 | 15 19 | 0s 3 | 14 14 | 1 41 | 23 45 | 0 47 | 20 36 | 1 27 | 1 25 | 1 14 | 20 12 | 0 58 | 13 43 | 0 24 | 10 40 | 1 48 | 4 5 | 13 41 | 15 11 | 14 49 | 8 37 | 0 54 | 4 3 |
| F 18 | 20 42 | 17 52 | 1 17 | 14 46 | 1 34 | 23 54 | 0 50 | 20 33 | 1 29 | 1 22 | 1 14 | 20 11 | 0 58 | 13 44 | 0 24 | 10 40 | 1 48 | 4 5 | 13 41 | 15 11 | 14 48 | 8 35 | 0 54 | 4 3 |
| S 19 | 20 54 | 19 24 | 2 25 | 15 17 | 1 27 | 24 3 | 0 52 | 20 30 | 1 31 | 1 19 | 1 15 | 20 10 | 0 58 | 13 45 | 0 24 | 10 41 | 1 48 | 4 5 | 13 41 | 15 10 | 14 47 | 8 33 | 0 55 | 4 3 |
| S 20 | 21 6 | 19 52 | 3 23 | 15 48 | 1 20 | 24 10 | 0 54 | 20 27 | 1 34 | 1 15 | 1 15 | 20 8 | 0 58 | 13 46 | 0 24 | 10 42 | 1 48 | 4 5 | 13 41 | 15 9 | 14 46 | 8 31 | 0 55 | 4 3 |
| M21 | 21 17 | 19 19 | 4 11 | 16 20 | 1 13 | 24 17 | 0 56 | 20 24 | 1 36 | 1 12 | 1 15 | 20 7 | 0 58 | 13 48 | 0 24 | 10 42 | 1 48 | 4 5 | 13 41 | 15 8 | 14 45 | 8 29 | 0 55 | 4 2 |
| T 22 | 21 27 | 17 49 | 4 46 | 16 50 | 1 6 | 24 23 | 0 58 | 20 21 | 1 38 | 1 9 | 1 15 | 20 6 | 0 58 | 13 49 | 0 24 | 10 43 | 1 48 | 4 5 | 13 41 | 15 6 | 14 44 | 8 27 | 0 55 | 4 2 |
| W23 | 21 38 | 15 33 | 5 6 | 17 21 | 0 59 | 24 28 | 1 0 | 20 18 | 1 40 | 1 6 | 1 15 | 20 5 | 0 58 | 13 50 | 0 24 | 10 44 | 1 48 | 4 4 | 13 41 | 15 5 | 14 43 | 8 25 | 0 56 | 4 2 |
| T 24 | 21 48 | 12 38 | 5 13 | 17 50 | 0 51 | 24 32 | 1 2 | 20 15 | 1 42 | 1 3 | 1 16 | 20 4 | 0 57 | 13 51 | 0 24 | 10 44 | 1 48 | 4 4 | 13 41 | 15 4 | 14 42 | 8 23 | 0 56 | 4 2 |
| F 25 | 21 57 | 9 15 | 5 6 | 18 20 | 0 44 | 24 36 | 1 4 | 20 12 | 1 44 | 1 0 | 1 16 | 20 2 | 0 57 | 13 52 | 0 24 | 10 45 | 1 48 | 4 4 | 13 40 | 15 3 | 14 41 | 8 21 | 0 56 | 4 1 |
| S 26 | 22 6 | 5 30 | 4 47 | 18 48 | 0 37 | 24 39 | 1 6 | 20 9 | 1 46 | 0 57 | 1 16 | 20 1 | 0 57 | 13 53 | 0 24 | 10 45 | 1 48 | 4 4 | 13 40 | 15 3 | 14 40 | 8 19 | 0 56 | 4 1 |
| S 27 | 22 15 | 1 33 | 4 15 | 19 16 | 0 29 | 24 41 | 1 8 | 20 6 | 1 47 | 0 54 | 1 16 | 20 0 | 0 57 | 13 54 | 0 24 | 10 46 | 1 48 | 4 4 | 13 40 | 15 3 | 14 39 | 8 17 | 0 57 | 4 1 |
| M28 | 22 23 | 2s31 | 3 31 | 19 43 | 0 22 | 24 43 | 1 10 | 20 4 | 1 49 | 0 51 | 1 16 | 19 59 | 0 57 | 13 55 | 0 24 | 10 47 | 1 48 | 4 4 | 13 40 | 15 3 | 14 38 | 8 15 | 0 57 | 4 0 |
| T 29 | 22 31 | 6 33 | 2 37 | 20 10 | 0 15 | 24 43 | 1 12 | 20 1 | 1 51 | 0 48 | 1 17 | 19 57 | 0 57 | 13 56 | 0 24 | 10 47 | 1 48 | 4 4 | 13 40 | 15 3 | 14 37 | 8 13 | 0 57 | 4 0 |
| W30 | 22s38 | 10s24 | 1s35 | 20s35 | 0n 8 | 24s43 | 1s14 | 19n59 | 1n52 | 0n45 | 1n17 | 19s56 | 0s57 | 13s57 | 0n24 | 10s48 | 1n48 | 4n 3 | 13s40 | 15s 4 | 14s36 | 8n11 | 0s57 | 4n 0 |

Julian Day Number = 2137016.5, Delta T = 15m48s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'02, Lahiri = 11°51'03 Julian Calendar 1 Nov. 1138 == Greg. Calendar 8 Nov. 1138


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# ASTRODIENST EPHEMERIS for the year 1138
# geocentric

## DECEMBER 1138 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 3 31 | 15♐27'24 | 5♏39 | 3♐48 | 5♑ 9 | 21°R 4 | 1♎10 | 5♒30 | 8♏21 | 2♏49 | 17°R43 | 10°R36 | 9♏ 5 | 26♌26 | 18♓21 | T 1 |
| F 2 | 5 7 28 | 16°28'35 | 18°48 | 5°20 | 6°24 | 20♉51 | 1°17 | 5°35 | 8°24 | 2°51 | 17♉42 | 10♏36 | 9° 2 | 26°32 | 18°22 | F 2 |
| S 3 | 5 11 24 | 17°29'46 | 2♐21 | 6°52 | 7°39 | 20°38 | 1°24 | 5°41 | 8°27 | 2°52 | 17°41 | 10°34 | 8°58 | 26°39 | 18°22 | S 3 |
| S 4 | 5 15 21 | 18°30'57 | 16°15 | 8°24 | 8°54 | 20°26 | 1°31 | 5°47 | 8°30 | 2°54 | 17°40 | 10°30 | 8°55 | 26°46 | 18°23 | S 4 |
| M 5 | 5 19 18 | 19°32'09 | 0♑29 | 9°56 | 10° 9 | 20°15 | 1°38 | 5°52 | 8°33 | 2°56 | 17°39 | 10°25 | 8°52 | 26°52 | 18°24 | M 5 |
| T 6 | 5 23 14 | 20°33'21 | 14°56 | 11°29 | 11°24 | 20° 5 | 1°45 | 5°58 | 8°36 | 2°57 | 17°38 | 10°18 | 8°49 | 26°59 | 18°24 | T 6 |
| W 7 | 5 27 11 | 21°34'34 | 29°30 | 13° 2 | 12°39 | 19°55 | 1°51 | 6° 4 | 8°39 | 2°59 | 17°37 | 10°12 | 8°46 | 27° 6 | 18°25 | W 7 |
| T 8 | 5 31 7 | 22°35'46 | 14♒ 4 | 14°35 | 13°54 | 19°47 | 1°57 | 6°10 | 8°42 | 3° 1 | 17°36 | 10° 6 | 8°43 | 27°13 | 18°26 | T 8 |
| F 9 | 5 35 4 | 23°36'58 | 28°33 | 16° 9 | 15° 9 | 19°39 | 2° 3 | 6°16 | 8°45 | 3° 2 | 17°35 | 10° 1 | 8°39 | 27°19 | 18°27 | F 9 |
| S 10 | 5 39 0 | 24°38'10 | 12♓51 | 17°42 | 16°24 | 19°32 | 2° 9 | 6°22 | 8°48 | 3° 4 | 17°34 | 9°59 | 8°36 | 27°26 | 18°28 | S 10 |
| S 11 | 5 42 57 | 25°39'22 | 26°57 | 19°16 | 17°39 | 19°26 | 2°15 | 6°28 | 8°51 | 3° 5 | 17°33 | 9°D58 | 8°33 | 27°33 | 18°29 | S 11 |
| M12 | 5 46 53 | 26°40'34 | 10♈48 | 20°51 | 18°54 | 19°20 | 2°21 | 6°34 | 8°54 | 3° 7 | 17°33 | 9°59 | 8°30 | 27°39 | 18°30 | M12 |
| T 13 | 5 50 50 | 27°41'45 | 24°27 | 22°25 | 20° 9 | 19°16 | 2°26 | 6°40 | 8°57 | 3° 8 | 17°32 | 10° 0 | 8°27 | 27°46 | 18°31 | T 13 |
| W14 | 5 54 47 | 28°42'56 | 7♉52 | 24° 0 | 21°23 | 19°12 | 2°32 | 6°46 | 8°59 | 3°10 | 17°31 | 10°R 1 | 8°23 | 27°53 | 18°32 | W14 |
| T 15 | 5 58 43 | 29°44'07 | 21° 6 | 25°36 | 22°38 | 19° 9 | 2°37 | 6°52 | 9° 2 | 3°11 | 17°30 | 10° 0 | 8°20 | 28° 0 | 18°33 | T 15 |
| F 16 | 6 2 40 | 0♑45'18 | 4♊ 8 | 27°11 | 23°53 | 19° 7 | 2°42 | 6°59 | 9° 5 | 3°13 | 17°29 | 9°57 | 8°17 | 28° 6 | 18°34 | F 16 |
| S 17 | 6 6 36 | 1°46'29 | 16°59 | 28°47 | 25° 8 | 19° 6 | 2°46 | 7° 5 | 9° 7 | 3°14 | 17°28 | 9°52 | 8°14 | 28°13 | 18°36 | S 17 |
| S 18 | 6 10 33 | 2°47'39 | 29°39 | 0♑23 | 26°23 | 19°D 5 | 2°51 | 7°11 | 9°10 | 3°15 | 17°28 | 9°44 | 8°11 | 28°20 | 18°37 | S 18 |
| M19 | 6 14 29 | 3°48'49 | 12♋ 9 | 2° 0 | 27°37 | 19° 6 | 2°56 | 7°18 | 9°13 | 3°17 | 17°27 | 9°35 | 8° 8 | 28°26 | 18°38 | M19 |
| T 20 | 6 18 26 | 4°49'59 | 24°27 | 3°37 | 28°52 | 19° 7 | 3° 0 | 7°24 | 9°15 | 3°18 | 17°26 | 9°24 | 8° 4 | 28°33 | 18°40 | T 20 |
| W21 | 6 22 23 | 5°51'09 | 6♌36 | 5°15 | 0♒ 7 | 19° 9 | 3° 4 | 7°31 | 9°18 | 3°19 | 17°26 | 9°12 | 8° 1 | 28°40 | 18°41 | W21 |
| T 22 | 6 26 19 | 6°52'19 | 18°36 | 6°53 | 1°22 | 19°11 | 3° 8 | 7°37 | 9°20 | 3°21 | 17°25 | 9° 2 | 7°58 | 28°47 | 18°43 | T 22 |
| F 23 | 6 30 16 | 7°53'28 | 0♍29 | 8°31 | 2°36 | 19°14 | 3°12 | 7°44 | 9°22 | 3°22 | 17°24 | 8°54 | 7°55 | 28°53 | 18°45 | F 23 |
| S 24 | 6 34 12 | 8°54'37 | 12°20 | 10°10 | 3°51 | 19°18 | 3°16 | 7°51 | 9°25 | 3°23 | 17°24 | 8°47 | 7°52 | 29° 0 | 18°46 | S 24 |
| S 25 | 6 38 9 | 9°55'47 | 24°11 | 11°50 | 5° 5 | 19°23 | 3°19 | 7°57 | 9°27 | 3°24 | 17°23 | 8°44 | 7°49 | 29° 7 | 18°48 | S 25 |
| M26 | 6 42 5 | 10°56'55 | 6♎ 7 | 13°30 | 6°20 | 19°28 | 3°22 | 8° 4 | 9°29 | 3°25 | 17°22 | 8°D42 | 7°45 | 29°13 | 18°50 | M26 |
| T 27 | 6 46 2 | 11°58'04 | 18°14 | 15°10 | 7°35 | 19°35 | 3°25 | 8°11 | 9°32 | 3°26 | 17°22 | 8°42 | 7°42 | 29°20 | 18°52 | T 27 |
| W28 | 6 49 58 | 12°59'13 | 0♏38 | 16°51 | 8°49 | 19°41 | 3°28 | 8°18 | 9°34 | 3°27 | 17°21 | 8°43 | 7°39 | 29°27 | 18°53 | W28 |
| T 29 | 6 53 55 | 14° 0'21 | 13°22 | 18°32 | 10° 4 | 19°49 | 3°31 | 8°24 | 9°36 | 3°28 | 17°20 | 8°R43 | 7°36 | 29°34 | 18°55 | T 29 |
| F 30 | 6 57 51 | 15° 1'29 | 26°31 | 20°14 | 11°18 | 19°57 | 3°34 | 8°31 | 9°38 | 3°29 | 17°20 | 8°41 | 7°33 | 29°40 | 18°57 | F 30 |
| S 31 | 7 1 48 | 16♑ 2'36 | 10♐ 9 | 21♑56 | 12♒33 | 20♉ 6 | 3♎36 | 8♒38 | 9♏40 | 3♏30 | 17♉19 | 8♏37 | 7♏29 | 29♌47 | 18♓59 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s45 | 13s53 | 0s27 | 21s 0 | 0n 1 | 24s42 | 1s15 | 19n56 | 1n54 | 0n43 | 1n17 | 19s55 | 0s57 | 13s58 | 0n24 | 10s48 | 1n48 | 4n 3 | 13s40 | 15s 4 | 14s35 | 8n 9 | 0s57 | 4n 0 |
| F 2 | 22 51 | 16 47 | 0n45 | 21 23 | 0s 6 | 24 41 | 1 17 | 19 54 | 1 55 | 0 40 | 1 17 | 19 53 | 0 57 | 13 59 | 0 24 | 10 49 | 1 48 | 4 3 | 13 39 | 15 4 | 14 34 | 8 7 | 0 57 | 3 59 |
| S 3 | 22 57 | 18 50 | 1 56 | 21 46 | 0 13 | 24 38 | 1 19 | 19 52 | 1 57 | 0 37 | 1 18 | 19 52 | 0 57 | 14 0 | 0 24 | 10 50 | 1 48 | 4 3 | 13 39 | 15 4 | 14 33 | 8 5 | 0 57 | 3 59 |
| S 4 | 23 3 | 19 49 | 3 2 | 22 8 | 0 20 | 24 35 | 1 20 | 19 50 | 1 58 | 0 35 | 1 18 | 19 50 | 0 57 | 14 1 | 0 24 | 10 50 | 1 48 | 4 3 | 13 39 | 15 2 | 14 32 | 8 3 | 0 57 | 3 59 |
| M 5 | 23 8 | 19 35 | 3 58 | 22 29 | 0 27 | 24 31 | 1 22 | 19 48 | 1 59 | 0 32 | 1 18 | 19 49 | 0 57 | 14 2 | 0 24 | 10 51 | 1 49 | 4 3 | 13 39 | 15 1 | 14 31 | 8 1 | 0 57 | 3 58 |
| T 6 | 23 13 | 18 5 | 4 40 | 22 49 | 0 33 | 24 26 | 1 23 | 19 47 | 2 1 | 0 30 | 1 18 | 19 48 | 0 57 | 14 3 | 0 24 | 10 51 | 1 49 | 4 3 | 13 39 | 14 59 | 14 30 | 7 59 | 0 57 | 3 58 |
| W 7 | 23 17 | 15 24 | 5 4 | 23 7 | 0 40 | 24 21 | 1 25 | 19 45 | 2 2 | 0 28 | 1 19 | 19 46 | 0 57 | 14 4 | 0 24 | 10 52 | 1 49 | 4 3 | 13 38 | 14 57 | 14 29 | 7 57 | 0 57 | 3 58 |
| T 8 | 23 20 | 11 46 | 5 8 | 23 25 | 0 46 | 24 15 | 1 26 | 19 44 | 2 3 | 0 25 | 1 19 | 19 45 | 0 57 | 14 5 | 0 24 | 10 52 | 1 49 | 4 3 | 13 38 | 14 55 | 14 28 | 7 55 | 0 57 | 3 58 |
| F 9 | 23 24 | 7 27 | 4 53 | 23 41 | 0 52 | 24 8 | 1 27 | 19 43 | 2 4 | 0 23 | 1 19 | 19 43 | 0 58 | 14 6 | 0 24 | 10 53 | 1 49 | 4 3 | 13 38 | 14 53 | 14 27 | 7 52 | 0 57 | 3 57 |
| S 10 | 23 26 | 2 46 | 4 20 | 23 56 | 0 58 | 24 0 | 1 29 | 19 42 | 2 5 | 0 21 | 1 19 | 19 42 | 0 58 | 14 7 | 0 24 | 10 53 | 1 49 | 4 3 | 13 38 | 14 52 | 14 26 | 7 50 | 0 57 | 3 57 |
| S 11 | 23 29 | 2n 1 | 3 31 | 24 10 | 1 4 | 23 52 | 1 30 | 19 41 | 2 6 | 0 19 | 1 20 | 19 40 | 0 58 | 14 8 | 0 24 | 10 54 | 1 49 | 4 3 | 13 38 | 14 52 | 14 25 | 7 48 | 0 57 | 3 57 |
| M12 | 23 30 | 6 37 | 2 31 | 24 23 | 1 9 | 23 43 | 1 31 | 19 40 | 2 7 | 0 17 | 1 20 | 19 39 | 0 58 | 14 9 | 0 24 | 10 54 | 1 49 | 4 3 | 13 37 | 14 52 | 14 24 | 7 46 | 0 57 | 3 57 |
| T 13 | 23 32 | 10 48 | 1 23 | 24 34 | 1 14 | 23 33 | 1 32 | 19 40 | 2 7 | 0 15 | 1 20 | 19 37 | 0 58 | 14 10 | 0 24 | 10 55 | 1 49 | 4 3 | 13 37 | 14 53 | 14 23 | 7 44 | 0 57 | 3 56 |
| W14 | 23 33 | 14 23 | 0 12 | 24 44 | 1 20 | 23 22 | 1 33 | 19 39 | 2 8 | 0 13 | 1 20 | 19 36 | 0 58 | 14 11 | 0 24 | 10 55 | 1 49 | 4 3 | 13 37 | 14 53 | 14 22 | 7 42 | 0 56 | 3 56 |
| T 15 | 23 33 | 17 10 | 0s59 | 24 53 | 1 25 | 23 11 | 1 34 | 19 39 | 2 9 | 0 11 | 1 21 | 19 34 | 0 58 | 14 11 | 0 24 | 10 55 | 1 49 | 4 3 | 13 37 | 14 53 | 14 21 | 7 40 | 0 56 | 3 56 |
| F 16 | 23 33 | 19 0 | 2 6 | 25 0 | 1 29 | 22 59 | 1 35 | 19 39 | 2 9 | 0 10 | 1 21 | 19 32 | 0 58 | 14 12 | 0 24 | 10 56 | 1 49 | 4 3 | 13 37 | 14 52 | 14 20 | 7 38 | 0 56 | 3 55 |
| S 17 | 23 32 | 19 50 | 3 5 | 25 6 | 1 34 | 22 46 | 1 36 | 19 40 | 2 10 | 0 8 | 1 21 | 19 31 | 0 58 | 14 13 | 0 24 | 10 56 | 1 49 | 4 3 | 13 36 | 14 50 | 14 19 | 7 36 | 0 56 | 3 55 |
| S 18 | 23 31 | 19 39 | 3 54 | 25 11 | 1 38 | 22 33 | 1 36 | 19 40 | 2 11 | 0 6 | 1 21 | 19 29 | 0 58 | 14 14 | 0 24 | 10 57 | 1 49 | 4 3 | 13 36 | 14 48 | 14 18 | 7 34 | 0 55 | 3 55 |
| M19 | 23 30 | 18 30 | 4 31 | 25 14 | 1 42 | 22 19 | 1 37 | 19 41 | 2 11 | 0 5 | 1 22 | 19 28 | 0 58 | 14 15 | 0 24 | 10 57 | 1 49 | 4 3 | 13 36 | 14 45 | 14 17 | 7 32 | 0 55 | 3 55 |
| T 20 | 23 28 | 16 30 | 4 54 | 25 16 | 1 46 | 22 4 | 1 38 | 19 41 | 2 12 | 0 3 | 1 22 | 19 26 | 0 58 | 14 15 | 0 24 | 10 58 | 1 49 | 4 3 | 13 36 | 14 41 | 14 16 | 7 30 | 0 55 | 3 54 |
| W21 | 23 25 | 13 48 | 5 4 | 25 16 | 1 49 | 21 49 | 1 38 | 19 42 | 2 12 | 0 2 | 1 22 | 19 24 | 0 58 | 14 16 | 0 24 | 10 58 | 1 49 | 4 3 | 13 35 | 14 38 | 14 15 | 7 28 | 0 54 | 3 54 |
| T 22 | 23 22 | 10 34 | 5 0 | 25 14 | 1 52 | 21 33 | 1 39 | 19 43 | 2 12 | 0 0 | 1 22 | 19 23 | 0 58 | 14 17 | 0 24 | 10 58 | 1 49 | 4 3 | 13 35 | 14 34 | 14 14 | 7 26 | 0 54 | 3 54 |
| F 23 | 23 19 | 6 56 | 4 43 | 25 11 | 1 55 | 21 16 | 1 39 | 19 45 | 2 13 | 0s 1 | 1 23 | 19 21 | 0 58 | 14 18 | 0 24 | 10 59 | 1 49 | 4 3 | 13 35 | 14 32 | 14 13 | 7 24 | 0 54 | 3 54 |
| S 24 | 23 15 | 3 3 | 4 14 | 25 7 | 1 58 | 20 59 | 1 39 | 19 46 | 2 13 | 0 2 | 1 23 | 19 19 | 0 58 | 14 19 | 0 24 | 10 59 | 1 50 | 4 3 | 13 35 | 14 30 | 14 12 | 7 22 | 0 53 | 3 53 |
| S 25 | 23 11 | 0s57 | 3 34 | 25 1 | 2 0 | 20 41 | 1 39 | 19 48 | 2 13 | 0 3 | 1 23 | 19 18 | 0 58 | 14 19 | 0 24 | 10 59 | 1 50 | 4 3 | 13 34 | 14 28 | 14 11 | 7 20 | 0 53 | 3 53 |
| M26 | 23 6 | 4 58 | 2 45 | 24 53 | 2 2 | 20 23 | 1 40 | 19 49 | 2 14 | 0 4 | 1 24 | 19 16 | 0 58 | 14 20 | 0 24 | 11 0 | 1 50 | 4 3 | 13 34 | 14 28 | 14 10 | 7 18 | 0 52 | 3 53 |
| T 27 | 23 0 | 8 50 | 1 47 | 24 43 | 2 3 | 20 4 | 1 40 | 19 51 | 2 14 | 0 5 | 1 24 | 19 14 | 0 58 | 14 21 | 0 24 | 11 0 | 1 50 | 4 3 | 13 34 | 14 28 | 14 9 | 7 16 | 0 52 | 3 53 |
| W28 | 22 55 | 12 25 | 0 43 | 24 32 | 2 4 | 19 44 | 1 40 | 19 53 | 2 14 | 0 6 | 1 24 | 19 12 | 0 58 | 14 21 | 0 24 | 11 0 | 1 50 | 4 3 | 13 34 | 14 28 | 14 8 | 7 14 | 0 51 | 3 52 |
| T 29 | 22 49 | 15 32 | 0n25 | 24 19 | 2 5 | 19 24 | 1 40 | 19 56 | 2 14 | 0 7 | 1 24 | 19 11 | 0 58 | 14 22 | 0 24 | 11 1 | 1 50 | 4 4 | 13 33 | 14 28 | 14 6 | 7 12 | 0 51 | 3 52 |
| F 30 | 22 42 | 17 57 | 1 33 | 24 5 | 2 5 | 19 4 | 1 40 | 19 58 | 2 15 | 0 8 | 1 25 | 19 9 | 0 58 | 14 23 | 0 24 | 11 1 | 1 50 | 4 4 | 13 33 | 14 28 | 14 5 | 7 10 | 0 50 | 3 52 |
| S 31 | 22s35 | 19s27 | 2n39 | 23s48 | 2s 5 | 18s42 | 1s39 | 20n 0 | 2n15 | 0s 8 | 1n25 | 19s 7 | 0s58 | 14s23 | 0n25 | 11s 1 | 1n50 | 4n 4 | 13s33 | 14s26 | 14s 4 | 7n 8 | 0s50 | 3n52 |

Julian Day Number = 2137046.5, Delta T = 15m47s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'06, Lahiri = 11°51'07 Julian Calendar 1 Dec. 1138 == Greg. Calendar 8 Dec. 1138


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## JANUARY 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 5 45 | 17♉ 3'43 | 24♐14 | 23♉38 | 13♒47 | 20♉15 | 3♎38 | 8♒45 | 9♏42 | 3♏31 | 17°R19 | 8°R31 | 7♏26 | 29♌54 | 19♓ 1 | S 1 |
| M 2 | 7 9 41 | 18° 4'50 | 8♉45 | 25°21 | 15° 2 | 20°25 | 3°40 | 8°52 | 9°44 | 3°32 | 17♉18 | 8♏22 | 7°23 | 0♍ 0 | 19° 3 | M 2 |
| T 3 | 7 13 38 | 19° 5'56 | 23°36 | 27° 5 | 16°16 | 20°36 | 3°42 | 8°59 | 9°46 | 3°33 | 17°18 | 8°11 | 7°20 | 0° 7 | 19° 6 | T 3 |
| W 4 | 7 17 34 | 20° 7'01 | 8♒37 | 28°48 | 17°30 | 20°47 | 3°44 | 9° 6 | 9°48 | 3°34 | 17°17 | 8° 0 | 7°17 | 0°14 | 19° 8 | W 4 |
| T 5 | 7 21 31 | 21° 8'05 | 23°38 | 0♒32 | 18°45 | 20°59 | 3°45 | 9°13 | 9°49 | 3°35 | 17°17 | 7°49 | 7°14 | 0°21 | 19°10 | T 5 |
| F 6 | 7 25 27 | 22° 9'08 | 8♓31 | 2°15 | 19°59 | 21°11 | 3°46 | 9°20 | 9°51 | 3°36 | 17°17 | 7°41 | 7°10 | 0°27 | 19°12 | F 6 |
| S 7 | 7 29 24 | 23°10'09 | 23° 8 | 3°59 | 21°13 | 21°24 | 3°47 | 9°27 | 9°53 | 3°36 | 17°16 | 7°35 | 7° 7 | 0°34 | 19°15 | S 7 |
| S 8 | 7 33 21 | 24°11'10 | 7♈25 | 5°42 | 22°28 | 21°37 | 3°48 | 9°34 | 9°55 | 3°37 | 17°16 | 7°32 | 7° 4 | 0°41 | 19°17 | S 8 |
| M 9 | 7 37 17 | 25°12'09 | 21°19 | 7°25 | 23°42 | 21°51 | 3°49 | 9°41 | 9°56 | 3°38 | 17°16 | 7°D31 | 7° 1 | 0°47 | 19°19 | M 9 |
| T 10 | 7 41 14 | 26°13'07 | 4♉52 | 9° 8 | 24°56 | 22° 6 | 3°49 | 9°48 | 9°58 | 3°38 | 17°15 | 7°R31 | 6°58 | 0°54 | 19°22 | T 10 |
| W11 | 7 45 10 | 27°14'04 | 18° 6 | 10°49 | 26°10 | 22°21 | 3°50 | 9°56 | 9°59 | 3°39 | 17°15 | 7°31 | 6°55 | 1° 1 | 19°24 | W11 |
| T 12 | 7 49 7 | 28°15'00 | 1♊ 4 | 12°30 | 27°24 | 22°36 | 3°R50 | 10° 3 | 10° 1 | 3°40 | 17°15 | 7°29 | 6°51 | 1° 8 | 19°27 | T 12 |
| F 13 | 7 53 3 | 29°15'54 | 13°48 | 14° 9 | 28°38 | 22°52 | 3°50 | 10°10 | 10° 2 | 3°40 | 17°14 | 7°25 | 6°48 | 1°14 | 19°29 | F 13 |
| S 14 | 7 57 0 | 0♒16'47 | 26°20 | 15°46 | 29°52 | 23° 9 | 3°50 | 10°17 | 10° 3 | 3°41 | 17°14 | 7°17 | 6°45 | 1°21 | 19°32 | S 14 |
| S 15 | 8 0 56 | 1°17'38 | 8♋43 | 17°21 | 1♓ 6 | 23°26 | 3°49 | 10°24 | 10° 5 | 3°41 | 17°14 | 7° 7 | 6°42 | 1°28 | 19°35 | S 15 |
| M16 | 8 4 53 | 2°18'28 | 20°58 | 18°53 | 2°20 | 23°43 | 3°48 | 10°32 | 10° 6 | 3°42 | 17°14 | 6°54 | 6°39 | 1°34 | 19°37 | M16 |
| T 17 | 8 8 50 | 3°19'17 | 3♌ 6 | 20°22 | 3°34 | 24° 1 | 3°48 | 10°39 | 10° 7 | 3°42 | 17°14 | 6°39 | 6°35 | 1°41 | 19°40 | T 17 |
| W18 | 8 12 46 | 4°20'05 | 15° 7 | 21°47 | 4°47 | 24°19 | 3°47 | 10°46 | 10° 8 | 3°42 | 17°13 | 6°24 | 6°32 | 1°48 | 19°43 | W18 |
| T 19 | 8 16 43 | 5°20'51 | 27° 3 | 23° 7 | 6° 1 | 24°37 | 3°45 | 10°53 | 10° 9 | 3°43 | 17°13 | 6°10 | 6°29 | 1°55 | 19°46 | T 19 |
| F 20 | 8 20 39 | 6°21'37 | 8♍54 | 24°22 | 7°15 | 24°56 | 3°44 | 11° 0 | 10°10 | 3°43 | 17°13 | 5°58 | 6°26 | 2° 1 | 19°48 | F 20 |
| S 21 | 8 24 36 | 7°22'21 | 20°44 | 25°32 | 8°29 | 25°16 | 3°42 | 11° 8 | 10°11 | 3°43 | 17°13 | 5°49 | 6°23 | 2° 8 | 19°51 | S 21 |
| S 22 | 8 28 32 | 8°23'03 | 2♎35 | 26°34 | 9°42 | 25°36 | 3°41 | 11°15 | 10°12 | 3°44 | 17°13 | 5°42 | 6°20 | 2°15 | 19°54 | S 22 |
| M23 | 8 32 29 | 9°23'45 | 14°30 | 27°29 | 10°56 | 25°56 | 3°39 | 11°22 | 10°13 | 3°44 | 17°13 | 5°39 | 6°16 | 2°21 | 19°57 | M23 |
| T 24 | 8 36 25 | 10°24'25 | 26°35 | 28°15 | 12° 9 | 26°16 | 3°36 | 11°30 | 10°14 | 3°44 | 17°13 | 5°37 | 6°13 | 2°28 | 20° 0 | T 24 |
| W25 | 8 40 22 | 11°25'05 | 8♏54 | 28°53 | 13°23 | 26°37 | 3°34 | 11°37 | 10°14 | 3°44 | 17°D13 | 5°37 | 6°10 | 2°35 | 20° 3 | W25 |
| T 26 | 8 44 19 | 12°25'43 | 21°33 | 29°21 | 14°36 | 26°58 | 3°32 | 11°44 | 10°15 | 3°44 | 17°13 | 5°37 | 6° 7 | 2°42 | 20° 6 | T 26 |
| F 27 | 8 48 15 | 13°26'20 | 4♐36 | 29°39 | 15°49 | 27°20 | 3°29 | 11°51 | 10°16 | 3°44 | 17°13 | 5°36 | 6° 4 | 2°48 | 20° 9 | F 27 |
| S 28 | 8 52 12 | 14°26'55 | 18° 8 | 29°R47 | 17° 3 | 27°42 | 3°26 | 11°59 | 10°16 | 3°44 | 17°13 | 5°32 | 6° 0 | 2°55 | 20°12 | S 28 |
| S 29 | 8 56 8 | 15°27'30 | 2♉10 | 29°45 | 18°16 | 28° 4 | 3°23 | 12° 6 | 10°17 | 3°R44 | 17°13 | 5°26 | 5°57 | 3° 2 | 20°15 | S 29 |
| M30 | 9 0 5 | 16°28'03 | 16°42 | 29°32 | 19°29 | 28°27 | 3°20 | 12°13 | 10°17 | 3°44 | 17°13 | 5°17 | 5°54 | 3° 8 | 20°19 | M30 |
| T 31 | 9 4 1 | 17♒28'34 | 1♒38 | 29♒10 | 20♓42 | 28♉49 | 3♎16 | 12♒20 | 10♏18 | 3♏44 | 17♉13 | 5♏ 6 | 5♏51 | 3♍15 | 20♓22 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s27 | 19s49 | 3n37 | 23s30 | 2s 4 | 18s21 | 1s39 | 20n 3 | 2n15 | 0s 9 | 1n25 | 19s 5 | 0s58 | 14s24 | 0n25 | 11s 1 | 1n50 | 4n 4 | 13s32 | 14s24 | 14s 3 | 7n 6 | 0s49 | 3n51 |
| M 2 | 22 19 | 18 53 | 4 23 | 23 11 | 2 3 | 17 58 | 1 39 | 20 6 | 2 15 | 0 10 | 1 25 | 19 3 | 0 58 | 14 25 | 0 25 | 11 2 | 1 50 | 4 4 | 13 32 | 14 21 | 14 2 | 7 4 | 0 48 | 3 51 |
| T 3 | 22 11 | 16 41 | 4 52 | 22 49 | 2 1 | 17 36 | 1 38 | 20 9 | 2 15 | 0 10 | 1 26 | 19 2 | 0 58 | 14 25 | 0 25 | 11 2 | 1 50 | 4 4 | 13 32 | 14 18 | 14 1 | 7 2 | 0 48 | 3 51 |
| W 4 | 22 2 | 13 20 | 5 1 | 22 26 | 1 59 | 17 13 | 1 38 | 20 12 | 2 15 | 0 10 | 1 26 | 19 0 | 0 58 | 14 26 | 0 25 | 11 2 | 1 50 | 4 4 | 13 32 | 14 14 | 14 0 | 7 0 | 0 47 | 3 51 |
| T 5 | 21 53 | 9 8 | 4 50 | 22 1 | 1 56 | 16 49 | 1 37 | 20 15 | 2 15 | 0 11 | 1 26 | 18 58 | 0 58 | 14 26 | 0 25 | 11 2 | 1 50 | 4 5 | 13 31 | 14 11 | 13 59 | 6 58 | 0 47 | 3 50 |
| F 6 | 21 43 | 4 24 | 4 19 | 21 35 | 1 53 | 16 25 | 1 37 | 20 18 | 2 15 | 0 11 | 1 27 | 18 56 | 0 58 | 14 27 | 0 25 | 11 3 | 1 50 | 4 5 | 13 31 | 14 8 | 13 58 | 6 56 | 0 46 | 3 50 |
| S 7 | 21 33 | 0n30 | 3 32 | 21 6 | 1 49 | 16 0 | 1 36 | 20 22 | 2 15 | 0 11 | 1 27 | 18 54 | 0 58 | 14 27 | 0 25 | 11 3 | 1 50 | 4 5 | 13 31 | 14 6 | 13 57 | 6 54 | 0 45 | 3 50 |
| S 8 | 21 22 | 5 17 | 2 32 | 20 37 | 1 44 | 15 35 | 1 35 | 20 25 | 2 15 | 0 11 | 1 27 | 18 52 | 0 58 | 14 28 | 0 25 | 11 3 | 1 50 | 4 5 | 13 30 | 14 5 | 13 56 | 6 52 | 0 44 | 3 50 |
| M 9 | 21 12 | 9 40 | 1 25 | 20 5 | 1 39 | 15 10 | 1 34 | 20 29 | 2 15 | 0 11 | 1 27 | 18 50 | 0 58 | 14 28 | 0 25 | 11 3 | 1 50 | 4 5 | 13 30 | 14 5 | 13 55 | 6 50 | 0 44 | 3 49 |
| T 10 | 21 0 | 13 25 | 0 14 | 19 32 | 1 32 | 14 44 | 1 33 | 20 33 | 2 15 | 0 11 | 1 28 | 18 49 | 0 58 | 14 29 | 0 25 | 11 3 | 1 51 | 4 5 | 13 30 | 14 5 | 13 54 | 6 48 | 0 43 | 3 49 |
| W11 | 20 48 | 16 25 | 0s56 | 18 58 | 1 26 | 14 18 | 1 32 | 20 36 | 2 15 | 0 11 | 1 28 | 18 47 | 0 58 | 14 29 | 0 25 | 11 3 | 1 51 | 4 6 | 13 30 | 14 5 | 13 53 | 6 46 | 0 42 | 3 49 |
| T 12 | 20 36 | 18 29 | 2 1 | 18 23 | 1 18 | 13 51 | 1 31 | 20 40 | 2 15 | 0 11 | 1 28 | 18 45 | 0 58 | 14 30 | 0 25 | 11 4 | 1 51 | 4 6 | 13 29 | 14 4 | 13 52 | 6 44 | 0 41 | 3 49 |
| F 13 | 20 24 | 19 36 | 2 59 | 17 46 | 1 10 | 13 24 | 1 30 | 20 44 | 2 14 | 0 11 | 1 29 | 18 43 | 0 58 | 14 30 | 0 25 | 11 4 | 1 51 | 4 6 | 13 29 | 14 3 | 13 51 | 6 42 | 0 41 | 3 49 |
| S 14 | 20 11 | 19 43 | 3 47 | 17 9 | 1 1 | 12 57 | 1 28 | 20 48 | 2 14 | 0 10 | 1 29 | 18 41 | 0 59 | 14 30 | 0 25 | 11 4 | 1 51 | 4 6 | 13 29 | 14 0 | 13 50 | 6 40 | 0 40 | 3 48 |
| S 15 | 19 58 | 18 52 | 4 24 | 16 30 | 0 51 | 12 29 | 1 27 | 20 53 | 2 14 | 0 10 | 1 29 | 18 39 | 0 59 | 14 31 | 0 25 | 11 4 | 1 51 | 4 7 | 13 28 | 13 57 | 13 49 | 6 38 | 0 39 | 3 48 |
| M16 | 19 44 | 17 10 | 4 48 | 15 52 | 0 40 | 12 1 | 1 26 | 20 57 | 2 14 | 0 9 | 1 29 | 18 37 | 0 59 | 14 31 | 0 25 | 11 4 | 1 51 | 4 7 | 13 28 | 13 53 | 13 48 | 6 36 | 0 38 | 3 48 |
| T 17 | 19 30 | 14 42 | 4 59 | 15 13 | 0 28 | 11 33 | 1 24 | 21 1 | 2 14 | 0 9 | 1 30 | 18 35 | 0 59 | 14 32 | 0 25 | 11 4 | 1 51 | 4 7 | 13 28 | 13 48 | 13 47 | 6 34 | 0 37 | 3 48 |
| W18 | 19 16 | 11 39 | 4 56 | 14 33 | 0 16 | 11 5 | 1 23 | 21 6 | 2 14 | 0 8 | 1 30 | 18 33 | 0 59 | 14 32 | 0 25 | 11 4 | 1 51 | 4 7 | 13 27 | 13 43 | 13 46 | 6 32 | 0 36 | 3 48 |
| T 19 | 19 1 | 8 10 | 4 40 | 13 55 | 0 3 | 10 36 | 1 21 | 21 10 | 2 13 | 0 7 | 1 30 | 18 31 | 0 59 | 14 32 | 0 25 | 11 4 | 1 51 | 4 8 | 13 27 | 13 38 | 13 45 | 6 30 | 0 35 | 3 47 |
| F 20 | 18 46 | 4 22 | 4 12 | 13 17 | 0n11 | 10 7 | 1 19 | 21 14 | 2 13 | 0 6 | 1 30 | 18 29 | 0 59 | 14 33 | 0 25 | 11 4 | 1 51 | 4 8 | 13 27 | 13 34 | 13 44 | 6 28 | 0 34 | 3 47 |
| S 21 | 18 31 | 0 25 | 3 33 | 12 40 | 0 26 | 9 38 | 1 17 | 21 19 | 2 13 | 0 6 | 1 31 | 18 27 | 0 59 | 14 33 | 0 25 | 11 4 | 1 51 | 4 8 | 13 26 | 13 31 | 13 42 | 6 26 | 0 33 | 3 47 |
| S 22 | 18 15 | 3s33 | 2 45 | 12 4 | 0 41 | 9 8 | 1 16 | 21 24 | 2 13 | 0 5 | 1 31 | 18 26 | 0 59 | 14 33 | 0 25 | 11 4 | 1 51 | 4 8 | 13 26 | 13 29 | 13 41 | 6 24 | 0 32 | 3 47 |
| M23 | 17 59 | 7 25 | 1 49 | 11 31 | 0 57 | 8 38 | 1 14 | 21 28 | 2 13 | 0 4 | 1 31 | 18 24 | 0 59 | 14 33 | 0 25 | 11 4 | 1 51 | 4 9 | 13 26 | 13 28 | 13 40 | 6 22 | 0 32 | 3 47 |
| T 24 | 17 43 | 11 2 | 0 48 | 11 0 | 1 13 | 8 8 | 1 12 | 21 33 | 2 12 | 0 2 | 1 32 | 18 22 | 0 59 | 14 34 | 0 25 | 11 4 | 1 51 | 4 9 | 13 26 | 13 27 | 13 39 | 6 20 | 0 31 | 3 46 |
| W25 | 17 26 | 14 15 | 0n17 | 10 31 | 1 29 | 7 38 | 1 10 | 21 38 | 2 12 | 0 1 | 1 32 | 18 20 | 0 59 | 14 34 | 0 25 | 11 4 | 1 51 | 4 9 | 13 25 | 13 27 | 13 38 | 6 18 | 0 30 | 3 46 |
| T 26 | 17 9 | 16 54 | 1 23 | 10 6 | 1 46 | 7 8 | 1 7 | 21 42 | 2 12 | 0 0 | 1 32 | 18 18 | 0 59 | 14 34 | 0 25 | 11 4 | 1 52 | 4 10 | 13 25 | 13 27 | 13 37 | 6 16 | 0 28 | 3 46 |
| F 27 | 16 52 | 18 45 | 2 27 | 9 44 | 2 2 | 6 37 | 1 5 | 21 47 | 2 11 | 0n 1 | 1 32 | 18 16 | 0 59 | 14 34 | 0 25 | 11 4 | 1 52 | 4 10 | 13 25 | 13 27 | 13 36 | 6 14 | 0 27 | 3 46 |
| S 28 | 16 34 | 19 37 | 3 25 | 9 26 | 2 18 | 6 6 | 1 3 | 21 52 | 2 11 | 0 3 | 1 33 | 18 14 | 0 59 | 14 34 | 0 25 | 11 4 | 1 52 | 4 10 | 13 24 | 13 26 | 13 35 | 6 12 | 0 26 | 3 46 |
| S 29 | 16 16 | 19 20 | 4 12 | 9 13 | 2 34 | 5 35 | 1 1 | 21 57 | 2 11 | 0 4 | 1 33 | 18 12 | 0 59 | 14 35 | 0 25 | 11 4 | 1 52 | 4 10 | 13 24 | 13 24 | 13 34 | 6 10 | 0 25 | 3 46 |
| M30 | 15 58 | 17 47 | 4 46 | 9 4 | 2 48 | 5 4 | 0 58 | 22 2 | 2 11 | 0 6 | 1 33 | 18 10 | 1 0 | 14 35 | 0 25 | 11 4 | 1 52 | 4 11 | 13 24 | 13 21 | 13 33 | 6 8 | 0 24 | 3 45 |
| T 31 | 15s40 | 15s 0 | 5n 0 | 8s59 | 3n 2 | 4s33 | 0s56 | 22n 6 | 2n10 | 0n 7 | 1n33 | 18s 8 | 1s 0 | 14s35 | 0n25 | 11s 4 | 1n52 | 4n11 | 13s23 | 13s17 | 13s32 | 6n 6 | 0s23 | 3n45 |

Julian Day Number = 2137077.5, Delta T = 15m47s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'11, Lahiri = 11°51'11 Julian Calendar 1 Jan. 1139 == Greg. Calendar 8 Jan. 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## FEBRUARY 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 7 58 | 18♒29'04 | 16♒51 | 28°R37 | 21♓55 | 29♉13 | 3°R12 | 12♒28 | 10♏18 | 3°R44 | 17♉13 | 4°R55 | 5♏48 | 3♍22 | 20♓25 | W 1 |
| T 2 | 9 11 54 | 19°29'33 | 2♓ 9 | 27♒57 | 23° 8 | 29°36 | 3♎ 9 | 12°35 | 10°18 | 3♏44 | 17°14 | 4♏44 | 5°45 | 3°28 | 20°28 | T 2 |
| F 3 | 9 15 51 | 20°29'59 | 17°22 | 27° 8 | 24°21 | 29°59 | 3° 5 | 12°42 | 10°19 | 3°44 | 17°14 | 4°35 | 5°41 | 3°35 | 20°31 | F 3 |
| S 4 | 9 19 48 | 21°30'24 | 2♈18 | 26°13 | 25°34 | 0♊24 | 3° 1 | 12°49 | 10°19 | 3°44 | 17°14 | 4°29 | 5°38 | 3°42 | 20°35 | S 4 |
| S 5 | 9 23 44 | 22°30'47 | 16°52 | 25°14 | 26°47 | 0°48 | 2°56 | 12°57 | 10°19 | 3°43 | 17°14 | 4°26 | 5°35 | 3°49 | 20°38 | S 5 |
| M 6 | 9 27 41 | 23°31'07 | 0♉59 | 24°11 | 27°59 | 1°13 | 2°52 | 13° 4 | 10°19 | 3°43 | 17°15 | 4°D25 | 5°32 | 3°55 | 20°41 | M 6 |
| T 7 | 9 31 37 | 24°31'26 | 14°40 | 23° 6 | 29°12 | 1°38 | 2°47 | 13°11 | 10°R19 | 3°43 | 17°15 | 4°25 | 5°29 | 4° 2 | 20°45 | T 7 |
| W 8 | 9 35 34 | 25°31'43 | 27°55 | 22° 2 | 0♈24 | 2° 3 | 2°42 | 13°18 | 10°19 | 3°42 | 17°15 | 4°R25 | 5°26 | 4° 9 | 20°48 | W 8 |
| T 9 | 9 39 30 | 26°31'57 | 10♊49 | 20°58 | 1°37 | 2°28 | 2°38 | 13°25 | 10°19 | 3°42 | 17°15 | 4°24 | 5°22 | 4°15 | 20°51 | T 9 |
| F 10 | 9 43 27 | 27°32'10 | 23°26 | 19°58 | 2°49 | 2°54 | 2°32 | 13°32 | 10°19 | 3°42 | 17°16 | 4°21 | 5°19 | 4°22 | 20°55 | F 10 |
| S 11 | 9 47 23 | 28°32'20 | 5♋48 | 19° 2 | 4° 2 | 3°19 | 2°27 | 13°40 | 10°19 | 3°41 | 17°16 | 4°15 | 5°16 | 4°29 | 20°58 | S 11 |
| S 12 | 9 51 20 | 29°32'28 | 18° 0 | 18°11 | 5°14 | 3°45 | 2°22 | 13°47 | 10°19 | 3°41 | 17°17 | 4° 7 | 5°13 | 4°36 | 21° 2 | S 12 |
| M13 | 9 55 17 | 0♓32'35 | 0♌ 4 | 17°25 | 6°26 | 4°12 | 2°16 | 13°54 | 10°18 | 3°40 | 17°17 | 3°56 | 5°10 | 4°42 | 21° 5 | M13 |
| T 14 | 9 59 13 | 1°32'39 | 12° 3 | 16°46 | 7°38 | 4°38 | 2°11 | 14° 1 | 10°18 | 3°40 | 17°17 | 3°44 | 5° 6 | 4°49 | 21° 9 | T 14 |
| W15 | 10 3 10 | 2°32'41 | 23°57 | 16°13 | 8°50 | 5° 5 | 2° 5 | 14° 8 | 10°17 | 3°39 | 17°18 | 3°32 | 5° 3 | 4°56 | 21°12 | W15 |
| T 16 | 10 7 6 | 3°32'41 | 5♍49 | 15°47 | 10° 2 | 5°32 | 1°59 | 14°15 | 10°17 | 3°39 | 17°18 | 3°20 | 5° 0 | 5° 2 | 21°15 | T 16 |
| F 17 | 10 11 3 | 4°32'40 | 17°40 | 15°28 | 11°14 | 5°59 | 1°53 | 14°22 | 10°17 | 3°38 | 17°19 | 3°10 | 4°57 | 5° 9 | 21°19 | F 17 |
| S 18 | 10 14 59 | 5°32'36 | 29°32 | 15°15 | 12°25 | 6°26 | 1°47 | 14°29 | 10°16 | 3°37 | 17°19 | 3° 3 | 4°54 | 5°16 | 21°23 | S 18 |
| S 19 | 10 18 56 | 6°32'30 | 11♎26 | 15°D 9 | 13°37 | 6°54 | 1°40 | 14°36 | 10°15 | 3°37 | 17°20 | 2°58 | 4°51 | 5°22 | 21°26 | S 19 |
| M20 | 10 22 52 | 7°32'23 | 23°26 | 15°10 | 14°48 | 7°21 | 1°34 | 14°43 | 10°15 | 3°36 | 17°20 | 2°55 | 4°47 | 5°29 | 21°30 | M20 |
| T 21 | 10 26 49 | 8°32'14 | 5♏34 | 15°16 | 16° 0 | 7°49 | 1°27 | 14°50 | 10°14 | 3°35 | 17°21 | 2°D55 | 4°44 | 5°36 | 21°33 | T 21 |
| W22 | 10 30 45 | 9°32'03 | 17°55 | 15°29 | 17°11 | 8°17 | 1°21 | 14°56 | 10°13 | 3°34 | 17°21 | 2°56 | 4°41 | 5°43 | 21°37 | W22 |
| T 23 | 10 34 42 | 10°31'51 | 0♐33 | 15°46 | 18°22 | 8°45 | 1°14 | 15° 3 | 10°12 | 3°34 | 17°22 | 2°57 | 4°38 | 5°49 | 21°40 | T 23 |
| F 24 | 10 38 39 | 11°31'37 | 13°32 | 16° 9 | 19°33 | 9°14 | 1° 7 | 15°10 | 10°12 | 3°33 | 17°23 | 2°R57 | 4°35 | 5°56 | 21°44 | F 24 |
| S 25 | 10 42 35 | 12°31'21 | 26°56 | 16°37 | 20°44 | 9°42 | 1° 0 | 15°17 | 10°11 | 3°32 | 17°23 | 2°56 | 4°32 | 6° 3 | 21°48 | S 25 |
| S 26 | 10 46 32 | 13°31'03 | 10♑48 | 17°10 | 21°55 | 10°11 | 0°53 | 15°23 | 10°10 | 3°31 | 17°24 | 2°53 | 4°28 | 6° 9 | 21°51 | S 26 |
| M27 | 10 50 28 | 14°30'44 | 25° 8 | 17°46 | 23° 6 | 10°40 | 0°46 | 15°30 | 10° 9 | 3°30 | 17°25 | 2°48 | 4°25 | 6°16 | 21°55 | M27 |
| T 28 | 10 54 25 | 15♓30'22 | 9♒54 | 18♒27 | 24♈17 | 11♊ 9 | 0♎39 | 15♒37 | 10♏ 8 | 3♏29 | 17♉25 | 2♏41 | 4♏22 | 6♍23 | 21♓58 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s21 | 11s10 | 4n55 | 8s59 | 3n14 | 4s 2 | 0s53 | 22n11 | 2n10 | 0n 9 | 1n34 | 18s 6 | 1s 0 | 14s35 | 0n25 | 11s 4 | 1n52 | 4n11 | 13s23 | 13s13 | 13s31 | 6n 4 | 0s22 | 3n45 |
| T 2 | 15 2 | 6 35 | 4 28 | 9 3 | 3 24 | 3 31 | 0 51 | 22 16 | 2 10 | 0 11 | 1 34 | 18 4 | 1 0 | 14 35 | 0 25 | 11 4 | 1 52 | 4 12 | 13 23 | 13 10 | 13 30 | 6 2 | 0 21 | 3 45 |
| F 3 | 14 43 | 1 37 | 3 42 | 9 11 | 3 33 | 2 59 | 0 48 | 22 21 | 2 9 | 0 12 | 1 34 | 18 2 | 1 0 | 14 35 | 0 25 | 11 4 | 1 52 | 4 12 | 13 22 | 13 7 | 13 29 | 6 0 | 0 20 | 3 45 |
| S 4 | 14 24 | 3n23 | 2 41 | 9 24 | 3 39 | 2 28 | 0 45 | 22 26 | 2 9 | 0 14 | 1 34 | 18 0 | 1 0 | 14 35 | 0 25 | 11 4 | 1 52 | 4 13 | 13 22 | 13 4 | 13 28 | 5 58 | 0 19 | 3 45 |
| S 5 | 14 4 | 8 4 | 1 32 | 9 39 | 3 44 | 1 56 | 0 42 | 22 31 | 2 9 | 0 16 | 1 34 | 17 58 | 1 0 | 14 35 | 0 25 | 11 3 | 1 52 | 4 13 | 13 22 | 13 3 | 13 27 | 5 56 | 0 18 | 3 44 |
| M 6 | 13 45 | 12 9 | 0 18 | 9 58 | 3 46 | 1 24 | 0 40 | 22 35 | 2 8 | 0 18 | 1 35 | 17 56 | 1 0 | 14 35 | 0 25 | 11 3 | 1 52 | 4 13 | 13 22 | 13 3 | 13 26 | 5 54 | 0 16 | 3 44 |
| T 7 | 13 24 | 15 27 | 0s54 | 10 19 | 3 46 | 0 53 | 0 37 | 22 40 | 2 8 | 0 20 | 1 35 | 17 54 | 1 0 | 14 35 | 0 25 | 11 3 | 1 52 | 4 14 | 13 21 | 13 3 | 13 24 | 5 52 | 0 15 | 3 44 |
| W 8 | 13 4 | 17 49 | 2 2 | 10 42 | 3 44 | 0 21 | 0 34 | 22 45 | 2 8 | 0 22 | 1 35 | 17 52 | 1 0 | 14 35 | 0 25 | 11 3 | 1 52 | 4 14 | 13 21 | 13 3 | 13 23 | 5 50 | 0 14 | 3 44 |
| T 9 | 12 44 | 19 11 | 3 1 | 11 6 | 3 40 | 0n11 | 0 31 | 22 50 | 2 7 | 0 25 | 1 35 | 17 50 | 1 0 | 14 35 | 0 25 | 11 3 | 1 52 | 4 14 | 13 21 | 13 3 | 13 22 | 5 48 | 0 13 | 3 44 |
| F 10 | 12 23 | 19 34 | 3 50 | 11 31 | 3 34 | 0 42 | 0 28 | 22 55 | 2 7 | 0 27 | 1 36 | 17 48 | 1 0 | 14 35 | 0 25 | 11 3 | 1 52 | 4 15 | 13 20 | 13 2 | 13 21 | 5 46 | 0 12 | 3 44 |
| S 11 | 12 2 | 18 59 | 4 27 | 11 56 | 3 26 | 1 14 | 0 24 | 22 59 | 2 7 | 0 29 | 1 36 | 17 46 | 1 1 | 14 35 | 0 25 | 11 2 | 1 53 | 4 15 | 13 20 | 13 0 | 13 20 | 5 44 | 0 10 | 3 44 |
| S 12 | 11 41 | 17 31 | 4 51 | 12 20 | 3 16 | 1 46 | 0 21 | 23 4 | 2 6 | 0 31 | 1 36 | 17 44 | 1 1 | 14 35 | 0 25 | 11 2 | 1 53 | 4 16 | 13 20 | 12 57 | 13 19 | 5 42 | 0 9 | 3 43 |
| M13 | 11 20 | 15 18 | 5 2 | 12 44 | 3 5 | 2 17 | 0 18 | 23 9 | 2 6 | 0 34 | 1 36 | 17 42 | 1 1 | 14 35 | 0 25 | 11 2 | 1 53 | 4 16 | 13 19 | 12 53 | 13 18 | 5 40 | 0 8 | 3 43 |
| T 14 | 10 58 | 12 28 | 5 0 | 13 7 | 2 54 | 2 49 | 0 15 | 23 13 | 2 6 | 0 36 | 1 36 | 17 40 | 1 1 | 14 35 | 0 25 | 11 2 | 1 53 | 4 16 | 13 19 | 12 49 | 13 17 | 5 37 | 0 7 | 3 43 |
| W15 | 10 37 | 9 8 | 4 44 | 13 29 | 2 41 | 3 20 | 0 12 | 23 18 | 2 5 | 0 39 | 1 37 | 17 38 | 1 1 | 14 35 | 0 25 | 11 1 | 1 53 | 4 17 | 13 19 | 12 45 | 13 16 | 5 35 | 0 5 | 3 43 |
| T 16 | 10 15 | 5 27 | 4 16 | 13 49 | 2 28 | 3 52 | 0 8 | 23 22 | 2 5 | 0 41 | 1 37 | 17 36 | 1 1 | 14 34 | 0 25 | 11 1 | 1 53 | 4 17 | 13 18 | 12 41 | 13 15 | 5 33 | 0 4 | 3 43 |
| F 17 | 9 53 | 1 34 | 3 37 | 14 8 | 2 14 | 4 23 | 0 5 | 23 27 | 2 5 | 0 44 | 1 37 | 17 34 | 1 1 | 14 34 | 0 25 | 11 1 | 1 53 | 4 18 | 13 18 | 12 38 | 13 14 | 5 31 | 0 3 | 3 43 |
| S 18 | 9 31 | 2s24 | 2 49 | 14 25 | 2 1 | 4 54 | 0 1 | 23 31 | 2 4 | 0 46 | 1 37 | 17 32 | 1 1 | 14 34 | 0 25 | 11 1 | 1 53 | 4 18 | 13 18 | 12 35 | 13 13 | 5 29 | 0 1 | 3 43 |
| S 19 | 9 9 | 6 16 | 1 53 | 14 40 | 1 47 | 5 26 | 0n 2 | 23 36 | 2 4 | 0 49 | 1 37 | 17 30 | 1 1 | 14 34 | 0 25 | 11 0 | 1 53 | 4 18 | 13 18 | 12 33 | 13 12 | 5 27 | 0 0 | 3 43 |
| M20 | 8 47 | 9 56 | 0 51 | 14 53 | 1 32 | 5 57 | 0 6 | 23 40 | 2 3 | 0 52 | 1 37 | 17 28 | 1 1 | 14 34 | 0 25 | 11 0 | 1 53 | 4 19 | 13 17 | 12 32 | 13 11 | 5 25 | 0n 1 | 3 43 |
| T 21 | 8 24 | 13 13 | 0n14 | 15 5 | 1 19 | 6 28 | 0 9 | 23 44 | 2 3 | 0 54 | 1 38 | 17 26 | 1 2 | 14 33 | 0 25 | 11 0 | 1 53 | 4 19 | 13 17 | 12 32 | 13 10 | 5 23 | 0 2 | 3 42 |
| W22 | 8 2 | 15 58 | 1 20 | 15 14 | 1 5 | 6 58 | 0 13 | 23 48 | 2 3 | 0 57 | 1 38 | 17 25 | 1 2 | 14 33 | 0 25 | 10 59 | 1 53 | 4 20 | 13 17 | 12 33 | 13 8 | 5 21 | 0 4 | 3 42 |
| T 23 | 7 39 | 18 2 | 2 23 | 15 22 | 0 51 | 7 29 | 0 16 | 23 53 | 2 2 | 1 0 | 1 38 | 17 23 | 1 2 | 14 33 | 0 25 | 10 59 | 1 53 | 4 20 | 13 16 | 12 33 | 13 7 | 5 19 | 0 5 | 3 42 |
| F 24 | 7 16 | 19 12 | 3 21 | 15 28 | 0 38 | 7 59 | 0 20 | 23 57 | 2 2 | 1 3 | 1 38 | 17 21 | 1 2 | 14 33 | 0 25 | 10 59 | 1 53 | 4 21 | 13 16 | 12 33 | 13 6 | 5 17 | 0 6 | 3 42 |
| S 25 | 6 53 | 19 21 | 4 10 | 15 31 | 0 25 | 8 30 | 0 23 | 24 1 | 2 2 | 1 6 | 1 38 | 17 19 | 1 2 | 14 32 | 0 25 | 10 58 | 1 53 | 4 21 | 13 16 | 12 33 | 13 5 | 5 15 | 0 8 | 3 42 |
| S 26 | 6 31 | 18 22 | 4 46 | 15 34 | 0 13 | 9 0 | 0 27 | 24 5 | 2 1 | 1 9 | 1 38 | 17 17 | 1 2 | 14 32 | 0 25 | 10 58 | 1 53 | 4 22 | 13 16 | 12 32 | 13 4 | 5 13 | 0 9 | 3 42 |
| M27 | 6 7 | 16 12 | 5 5 | 15 34 | 0 1 | 9 30 | 0 31 | 24 8 | 2 1 | 1 12 | 1 38 | 17 15 | 1 2 | 14 32 | 0 25 | 10 58 | 1 53 | 4 22 | 13 15 | 12 30 | 13 3 | 5 11 | 0 10 | 3 42 |
| T 28 | 5s44 | 12s56 | 5n 5 | 15s32 | 0s11 | 9n59 | 0n34 | 24n12 | 2n 0 | 1n15 | 1n38 | 17s13 | 1s 2 | 14s31 | 0n25 | 10s57 | 1n53 | 4n22 | 13s15 | 12s28 | 13s 2 | 5n 9 | 0n12 | 3n42 |

Julian Day Number = 2137108.5, Delta T = 15m47s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'15, Lahiri = 11°51'15 Julian Calendar 1 Feb. 1139 == Greg. Calendar 8 Feb. 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## MARCH 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 58 21 | 16♓29'59 | 24♒59 | 19♒12 | 25♈27 | 11♊38 | 0°R32 | 15♒43 | 10°R 6 | 3°R28 | 17♉26 | 2°R34 | 4♏19 | 6♍29 | 22♓ 2 | W 1 |
| T 2 | 11 2 18 | 17°29'34 | 10♓15 | 20° 0 | 26°38 | 12° 8 | 0♎24 | 15°50 | 10♏ 5 | 3♏27 | 17°27 | 2♏27 | 4°16 | 6°36 | 22° 6 | T 2 |
| F 3 | 11 6 14 | 18°29'07 | 25°30 | 20°51 | 27°48 | 12°37 | 0°17 | 15°57 | 10° 4 | 3°26 | 17°28 | 2°22 | 4°12 | 6°43 | 22° 9 | F 3 |
| S 4 | 11 10 11 | 19°28'37 | 10♈35 | 21°45 | 28°58 | 13° 7 | 0°10 | 16° 3 | 10° 3 | 3°25 | 17°28 | 2°18 | 4° 9 | 6°50 | 22°13 | S 4 |
| S 5 | 11 14 8 | 20°28'06 | 25°20 | 22°43 | 0♉ 8 | 13°37 | 0° 2 | 16°10 | 10° 2 | 3°24 | 17°29 | 2°D16 | 4° 6 | 6°56 | 22°17 | S 5 |
| M 6 | 11 18 4 | 21°27'32 | 9♉39 | 23°43 | 1°18 | 14° 7 | 29♍55 | 16°16 | 10° 0 | 3°23 | 17°30 | 2°16 | 4° 3 | 7° 3 | 22°20 | M 6 |
| T 7 | 11 22 1 | 22°26'56 | 23°31 | 24°46 | 2°28 | 14°37 | 29°47 | 16°22 | 9°59 | 3°22 | 17°31 | 2°17 | 4° 0 | 7°10 | 22°24 | T 7 |
| W 8 | 11 25 57 | 23°26'18 | 6♊56 | 25°51 | 3°38 | 15° 7 | 29°39 | 16°29 | 9°57 | 3°21 | 17°32 | 2°19 | 3°57 | 7°16 | 22°27 | W 8 |
| T 9 | 11 29 54 | 24°25'37 | 19°56 | 26°59 | 4°48 | 15°37 | 29°32 | 16°35 | 9°56 | 3°20 | 17°33 | 2°R20 | 3°53 | 7°23 | 22°31 | T 9 |
| F 10 | 11 33 50 | 25°24'54 | 2♋34 | 28° 9 | 5°57 | 16° 8 | 29°24 | 16°41 | 9°54 | 3°19 | 17°33 | 2°19 | 3°50 | 7°30 | 22°35 | F 10 |
| S 11 | 11 37 47 | 26°24'09 | 14°55 | 29°21 | 7° 7 | 16°38 | 29°16 | 16°47 | 9°53 | 3°17 | 17°34 | 2°18 | 3°47 | 7°36 | 22°38 | S 11 |
| S 12 | 11 41 43 | 27°23'21 | 27° 3 | 0♓35 | 8°16 | 17° 9 | 29° 9 | 16°53 | 9°51 | 3°16 | 17°35 | 2°14 | 3°44 | 7°43 | 22°42 | S 12 |
| M13 | 11 45 40 | 28°22'31 | 9♌ 2 | 1°51 | 9°25 | 17°40 | 29° 1 | 16°59 | 9°50 | 3°15 | 17°36 | 2°10 | 3°41 | 7°50 | 22°46 | M13 |
| T 14 | 11 49 37 | 29°21'38 | 20°56 | 3° 9 | 10°34 | 18°11 | 28°53 | 17° 6 | 9°48 | 3°14 | 17°37 | 2° 4 | 3°37 | 7°57 | 22°49 | T 14 |
| W15 | 11 53 33 | 0♈20'44 | 2♍47 | 4°29 | 11°42 | 18°42 | 28°45 | 17°11 | 9°46 | 3°12 | 17°38 | 1°58 | 3°34 | 8° 3 | 22°53 | W15 |
| T 16 | 11 57 30 | 1°19'47 | 14°38 | 5°51 | 12°51 | 19°13 | 28°38 | 17°17 | 9°45 | 3°11 | 17°39 | 1°53 | 3°31 | 8°10 | 22°56 | T 16 |
| F 17 | 12 1 26 | 2°18'48 | 26°30 | 7°14 | 13°59 | 19°44 | 28°30 | 17°23 | 9°43 | 3°10 | 17°40 | 1°48 | 3°28 | 8°17 | 23° 0 | F 17 |
| S 18 | 12 5 23 | 3°17'46 | 8♎27 | 8°40 | 15° 8 | 20°16 | 28°22 | 17°29 | 9°41 | 3° 8 | 17°41 | 1°44 | 3°25 | 8°23 | 23° 4 | S 18 |
| S 19 | 12 9 19 | 4°16'43 | 20°29 | 10° 7 | 16°16 | 20°47 | 28°15 | 17°35 | 9°39 | 3° 7 | 17°42 | 1°42 | 3°22 | 8°30 | 23° 7 | S 19 |
| M20 | 12 13 16 | 5°15'38 | 2♏39 | 11°35 | 17°24 | 21°19 | 28° 7 | 17°41 | 9°37 | 3° 6 | 17°43 | 1°D42 | 3°18 | 8°37 | 23°11 | M20 |
| T 21 | 12 17 12 | 6°14'31 | 14°59 | 13° 5 | 18°31 | 21°50 | 27°59 | 17°46 | 9°35 | 3° 4 | 17°44 | 1°42 | 3°15 | 8°43 | 23°14 | T 21 |
| W22 | 12 21 9 | 7°13'22 | 27°30 | 14°37 | 19°39 | 22°22 | 27°52 | 17°52 | 9°33 | 3° 3 | 17°45 | 1°44 | 3°12 | 8°50 | 23°18 | W22 |
| T 23 | 12 25 5 | 8°12'11 | 10♐16 | 16°11 | 20°46 | 22°54 | 27°44 | 17°57 | 9°31 | 3° 1 | 17°46 | 1°45 | 3° 9 | 8°57 | 23°22 | T 23 |
| F 24 | 12 29 2 | 9°10'59 | 23°19 | 17°46 | 21°54 | 23°26 | 27°37 | 18° 3 | 9°29 | 3° 0 | 17°47 | 1°47 | 3° 6 | 9° 4 | 23°25 | F 24 |
| S 25 | 12 32 59 | 10° 9'44 | 6♑42 | 19°23 | 23° 1 | 23°58 | 27°29 | 18° 8 | 9°27 | 2°58 | 17°48 | 1°R48 | 3° 3 | 9°10 | 23°29 | S 25 |
| S 26 | 12 36 55 | 11° 8'28 | 20°27 | 21° 1 | 24° 8 | 24°30 | 27°22 | 18°14 | 9°25 | 2°57 | 17°50 | 1°47 | 2°59 | 9°17 | 23°32 | S 26 |
| M27 | 12 40 52 | 12° 7'11 | 4♒35 | 22°41 | 25°14 | 25° 2 | 27°15 | 18°19 | 9°23 | 2°55 | 17°51 | 1°46 | 2°56 | 9°24 | 23°36 | M27 |
| T 28 | 12 44 48 | 13° 5'51 | 19° 3 | 24°22 | 26°21 | 25°35 | 27° 7 | 18°24 | 9°21 | 2°54 | 17°52 | 1°44 | 2°53 | 9°30 | 23°39 | T 28 |
| W29 | 12 48 45 | 14° 4'30 | 3♓48 | 26° 5 | 27°27 | 26° 7 | 27° 0 | 18°29 | 9°19 | 2°52 | 17°53 | 1°42 | 2°50 | 9°37 | 23°43 | W29 |
| T 30 | 12 52 41 | 15° 3'07 | 18°45 | 27°50 | 28°33 | 26°39 | 26°53 | 18°34 | 9°16 | 2°51 | 17°54 | 1°40 | 2°47 | 9°44 | 23°46 | T 30 |
| F 31 | 12 56 38 | 16♈ 1'42 | 3♈45 | 29♓36 | 29♉39 | 27♊12 | 26♍46 | 18♒39 | 9♏14 | 2♏49 | 17♉55 | 1♏38 | 2♏43 | 9♍50 | 23♓49 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s21 | 8s47 | 4n45 | 15s29 | 0s22 | 10n29 | 0n38 | 24n16 | 2n 0 | 1n18 | 1n39 | 17s11 | 1s 2 | 14s31 | 0n25 | 10s57 | 1n54 | 4n23 | 13s15 | 12s25 | 13s 1 | 5n 7 | 0n13 | 3n42 |
| T 2 | 4 58 | 4 0 | 4 4 | 15 24 | 0 33 | 10 58 | 0 42 | 24 20 | 2 0 | 1 21 | 1 39 | 17 9 | 1 3 | 14 31 | 0 25 | 10 57 | 1 54 | 4 23 | 13 14 | 12 23 | 13 0 | 5 5 | 0 15 | 3 42 |
| F 3 | 4 34 | 1n 3 | 3 6 | 15 18 | 0 43 | 11 27 | 0 46 | 24 23 | 1 59 | 1 24 | 1 39 | 17 8 | 1 3 | 14 30 | 0 25 | 10 56 | 1 54 | 4 24 | 13 14 | 12 21 | 12 59 | 5 3 | 0 16 | 3 42 |
| S 4 | 4 11 | 5 58 | 1 55 | 15 9 | 0 53 | 11 56 | 0 49 | 24 26 | 1 59 | 1 27 | 1 39 | 17 6 | 1 3 | 14 30 | 0 25 | 10 56 | 1 54 | 4 24 | 13 14 | 12 20 | 12 58 | 5 1 | 0 17 | 3 42 |
| S 5 | 3 48 | 10 25 | 0 38 | 14 59 | 1 2 | 12 24 | 0 53 | 24 30 | 1 58 | 1 30 | 1 39 | 17 4 | 1 3 | 14 29 | 0 25 | 10 55 | 1 54 | 4 25 | 13 14 | 12 19 | 12 57 | 4 59 | 0 19 | 3 41 |
| M 6 | 3 24 | 14 8 | 0s40 | 14 48 | 1 11 | 12 52 | 0 57 | 24 33 | 1 58 | 1 33 | 1 39 | 17 2 | 1 3 | 14 29 | 0 25 | 10 55 | 1 54 | 4 25 | 13 13 | 12 19 | 12 56 | 4 57 | 0 20 | 3 41 |
| T 7 | 3 1 | 16 55 | 1 53 | 14 35 | 1 20 | 13 20 | 1 1 | 24 36 | 1 58 | 1 36 | 1 39 | 17 0 | 1 3 | 14 28 | 0 25 | 10 55 | 1 54 | 4 26 | 13 13 | 12 19 | 12 54 | 4 55 | 0 21 | 3 41 |
| W 8 | 2 37 | 18 39 | 2 57 | 14 20 | 1 28 | 13 48 | 1 4 | 24 39 | 1 57 | 1 39 | 1 39 | 16 59 | 1 3 | 14 28 | 0 25 | 10 54 | 1 54 | 4 26 | 13 13 | 12 20 | 12 53 | 4 53 | 0 23 | 3 41 |
| T 9 | 2 13 | 19 20 | 3 50 | 14 4 | 1 35 | 14 15 | 1 8 | 24 42 | 1 57 | 1 42 | 1 39 | 16 57 | 1 3 | 14 28 | 0 25 | 10 54 | 1 54 | 4 27 | 13 13 | 12 20 | 12 52 | 4 51 | 0 24 | 3 41 |
| F 10 | 1 50 | 19 1 | 4 31 | 13 46 | 1 42 | 14 42 | 1 12 | 24 45 | 1 56 | 1 45 | 1 39 | 16 55 | 1 4 | 14 27 | 0 25 | 10 53 | 1 54 | 4 27 | 13 12 | 12 20 | 12 51 | 4 49 | 0 26 | 3 41 |
| S 11 | 1 26 | 17 47 | 4 57 | 13 27 | 1 49 | 15 8 | 1 16 | 24 48 | 1 56 | 1 48 | 1 39 | 16 53 | 1 4 | 14 27 | 0 25 | 10 53 | 1 54 | 4 28 | 13 12 | 12 20 | 12 50 | 4 47 | 0 27 | 3 41 |
| S 12 | 1 3 | 15 46 | 5 10 | 13 6 | 1 55 | 15 35 | 1 20 | 24 51 | 1 56 | 1 52 | 1 39 | 16 51 | 1 4 | 14 26 | 0 25 | 10 52 | 1 54 | 4 28 | 13 12 | 12 18 | 12 49 | 4 45 | 0 28 | 3 41 |
| M13 | 0 39 | 13 6 | 5 9 | 12 44 | 2 0 | 16 1 | 1 23 | 24 53 | 1 55 | 1 55 | 1 39 | 16 50 | 1 4 | 14 25 | 0 25 | 10 52 | 1 54 | 4 28 | 13 12 | 12 17 | 12 48 | 4 43 | 0 30 | 3 41 |
| T 14 | 0 15 | 9 55 | 4 55 | 12 20 | 2 5 | 16 26 | 1 27 | 24 56 | 1 55 | 1 58 | 1 39 | 16 48 | 1 4 | 14 25 | 0 25 | 10 52 | 1 54 | 4 29 | 13 11 | 12 15 | 12 47 | 4 41 | 0 31 | 3 41 |
| W15 | 0n 8 | 6 22 | 4 28 | 11 55 | 2 10 | 16 51 | 1 31 | 24 58 | 1 54 | 2 1 | 1 39 | 16 46 | 1 4 | 14 24 | 0 25 | 10 51 | 1 54 | 4 29 | 13 11 | 12 13 | 12 46 | 4 39 | 0 33 | 3 41 |
| T 16 | 0 32 | 2 33 | 3 49 | 11 29 | 2 14 | 17 16 | 1 34 | 25 0 | 1 54 | 2 4 | 1 39 | 16 45 | 1 4 | 14 24 | 0 25 | 10 51 | 1 54 | 4 30 | 13 11 | 12 11 | 12 45 | 4 37 | 0 34 | 3 41 |
| F 17 | 0 55 | 1s22 | 3 1 | 11 1 | 2 17 | 17 40 | 1 38 | 25 2 | 1 54 | 2 7 | 1 39 | 16 43 | 1 4 | 14 23 | 0 25 | 10 50 | 1 54 | 4 30 | 13 11 | 12 9 | 12 44 | 4 35 | 0 35 | 3 41 |
| S 18 | 1 19 | 5 16 | 2 4 | 10 31 | 2 20 | 18 4 | 1 42 | 25 4 | 1 53 | 2 10 | 1 39 | 16 41 | 1 5 | 14 23 | 0 25 | 10 50 | 1 54 | 4 31 | 13 11 | 12 8 | 12 43 | 4 33 | 0 37 | 3 41 |
| S 19 | 1 42 | 8 59 | 1 1 | 10 1 | 2 23 | 18 28 | 1 45 | 25 6 | 1 53 | 2 13 | 1 39 | 16 40 | 1 5 | 14 22 | 0 25 | 10 49 | 1 54 | 4 31 | 13 10 | 12 7 | 12 41 | 4 31 | 0 38 | 3 41 |
| M20 | 2 6 | 12 22 | 0n 5 | 9 29 | 2 25 | 18 51 | 1 49 | 25 8 | 1 52 | 2 16 | 1 39 | 16 38 | 1 5 | 14 21 | 0 25 | 10 49 | 1 54 | 4 32 | 13 10 | 12 7 | 12 40 | 4 29 | 0 40 | 3 41 |
| T 21 | 2 29 | 15 15 | 1 12 | 8 55 | 2 26 | 19 13 | 1 53 | 25 10 | 1 52 | 2 19 | 1 39 | 16 36 | 1 5 | 14 21 | 0 25 | 10 48 | 1 54 | 4 32 | 13 10 | 12 7 | 12 39 | 4 27 | 0 41 | 3 41 |
| W22 | 2 53 | 17 28 | 2 17 | 8 21 | 2 27 | 19 35 | 1 56 | 25 11 | 1 52 | 2 22 | 1 39 | 16 35 | 1 5 | 14 20 | 0 25 | 10 48 | 1 54 | 4 33 | 13 10 | 12 8 | 12 38 | 4 25 | 0 42 | 3 41 |
| T 23 | 3 16 | 18 51 | 3 17 | 7 45 | 2 28 | 19 57 | 2 0 | 25 12 | 1 51 | 2 25 | 1 39 | 16 33 | 1 5 | 14 20 | 0 25 | 10 47 | 1 54 | 4 33 | 13 9 | 12 8 | 12 37 | 4 23 | 0 44 | 3 41 |
| F 24 | 3 39 | 19 16 | 4 7 | 7 8 | 2 28 | 20 18 | 2 3 | 25 14 | 1 51 | 2 28 | 1 39 | 16 32 | 1 5 | 14 19 | 0 25 | 10 47 | 1 54 | 4 34 | 13 9 | 12 9 | 12 36 | 4 21 | 0 45 | 3 41 |
| S 25 | 4 3 | 18 37 | 4 46 | 6 29 | 2 28 | 20 39 | 2 6 | 25 15 | 1 50 | 2 31 | 1 39 | 16 30 | 1 6 | 14 18 | 0 25 | 10 46 | 1 54 | 4 34 | 13 9 | 12 9 | 12 35 | 4 19 | 0 47 | 3 41 |
| S 26 | 4 26 | 16 53 | 5 9 | 5 49 | 2 27 | 20 59 | 2 10 | 25 16 | 1 50 | 2 34 | 1 39 | 16 29 | 1 6 | 14 18 | 0 25 | 10 45 | 1 54 | 4 35 | 13 9 | 12 9 | 12 34 | 4 17 | 0 48 | 3 41 |
| M27 | 4 49 | 14 6 | 5 15 | 5 8 | 2 25 | 21 19 | 2 13 | 25 17 | 1 50 | 2 37 | 1 39 | 16 27 | 1 6 | 14 17 | 0 25 | 10 45 | 1 54 | 4 35 | 13 9 | 12 9 | 12 33 | 4 15 | 0 49 | 3 41 |
| T 28 | 5 12 | 10 24 | 5 1 | 4 26 | 2 23 | 21 38 | 2 16 | 25 18 | 1 49 | 2 39 | 1 39 | 16 26 | 1 6 | 14 16 | 0 25 | 10 44 | 1 55 | 4 36 | 13 8 | 12 8 | 12 32 | 4 13 | 0 51 | 3 41 |
| W29 | 5 35 | 6 0 | 4 28 | 3 43 | 2 21 | 21 57 | 2 20 | 25 18 | 1 49 | 2 42 | 1 39 | 16 24 | 1 6 | 14 16 | 0 25 | 10 44 | 1 55 | 4 36 | 13 8 | 12 7 | 12 31 | 4 11 | 0 52 | 3 41 |
| T 30 | 5 57 | 1 10 | 3 35 | 2 58 | 2 17 | 22 15 | 2 23 | 25 19 | 1 48 | 2 45 | 1 39 | 16 23 | 1 6 | 14 15 | 0 25 | 10 43 | 1 55 | 4 37 | 13 8 | 12 6 | 12 29 | 4 9 | 0 54 | 3 41 |
| F 31 | 6n20 | 3n46 | 2n28 | 2s12 | 2s14 | 22n33 | 2n26 | 25n19 | 1n48 | 2n48 | 1n38 | 16s21 | 1s 7 | 14s14 | 0n25 | 10s43 | 1n55 | 4n37 | 13s 8 | 12s 6 | 12s28 | 4n 7 | 0n55 | 3n41 |

Julian Day Number = 2137136.5, Delta T = 15m47s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'19, Lahiri = 11°51'19 Julian Calendar 1 March 1139 == Greg. Calendar 8 March 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## APRIL 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 0 34 | 17♈ 0'16 | 18♈40 | 1♈24 | 0♊45 | 27♊45 | 26°R39 | 18♒44 | 9°R12 | 2°R48 | 17♉57 | 1°R37 | 2♏40 | 9♍57 | 23♓53 | S 1 |
| S 2 | 13 4 31 | 17°58'47 | 3♉22 | 3°14 | 1°50 | 28°17 | 26♍32 | 18°49 | 9♏10 | 2♏46 | 17°58 | 1°D37 | 2°37 | 10° 4 | 23°56 | S 2 |
| M 3 | 13 8 28 | 18°57'16 | 17°43 | 5° 5 | 2°55 | 28°50 | 26°26 | 18°54 | 9° 7 | 2°45 | 17°59 | 1♏37 | 2°34 | 10°10 | 24° 0 | M 3 |
| T 4 | 13 12 24 | 19°55'44 | 1♊41 | 6°58 | 4° 0 | 29°23 | 26°19 | 18°59 | 9° 5 | 2°43 | 18° 0 | 1°38 | 2°31 | 10°17 | 24° 3 | T 4 |
| W 5 | 13 16 21 | 20°54'09 | 15°13 | 8°52 | 5° 5 | 29°56 | 26°13 | 19° 3 | 9° 3 | 2°42 | 18° 1 | 1°39 | 2°28 | 10°24 | 24° 6 | W 5 |
| T 6 | 13 20 17 | 21°52'32 | 28°19 | 10°48 | 6° 9 | 0♋29 | 26° 6 | 19° 8 | 9° 0 | 2°40 | 18° 3 | 1°40 | 2°24 | 10°31 | 24°10 | T 6 |
| F 7 | 13 24 14 | 22°50'53 | 11♋ 3 | 12°46 | 7°14 | 1° 2 | 26° 0 | 19°12 | 8°58 | 2°38 | 18° 4 | 1°41 | 2°21 | 10°37 | 24°13 | F 7 |
| S 8 | 13 28 10 | 23°49'12 | 23°28 | 14°45 | 8°18 | 1°35 | 25°54 | 19°17 | 8°56 | 2°37 | 18° 5 | 1°R41 | 2°18 | 10°44 | 24°16 | S 8 |
| S 9 | 13 32 7 | 24°47'29 | 5♌37 | 16°46 | 9°21 | 2° 9 | 25°48 | 19°21 | 8°53 | 2°35 | 18° 6 | 1°41 | 2°15 | 10°51 | 24°19 | S 9 |
| M10 | 13 36 3 | 25°45'43 | 17°36 | 18°48 | 10°25 | 2°42 | 25°42 | 19°25 | 8°51 | 2°34 | 18° 8 | 1°40 | 2°12 | 10°57 | 24°23 | M10 |
| T 11 | 13 40 0 | 26°43'56 | 29°28 | 20°52 | 11°28 | 3°15 | 25°36 | 19°30 | 8°48 | 2°32 | 18° 9 | 1°40 | 2° 8 | 11° 4 | 24°26 | T 11 |
| W12 | 13 43 57 | 27°42'06 | 11♍19 | 22°57 | 12°31 | 3°49 | 25°30 | 19°34 | 8°46 | 2°30 | 18°10 | 1°39 | 2° 5 | 11°11 | 24°29 | W12 |
| T 13 | 13 47 53 | 28°40'15 | 23°10 | 25° 3 | 13°33 | 4°22 | 25°25 | 19°38 | 8°44 | 2°29 | 18°11 | 1°39 | 2° 2 | 11°17 | 24°32 | T 13 |
| F 14 | 13 51 50 | 29°38'22 | 5♎ 7 | 27°11 | 14°35 | 4°56 | 25°20 | 19°42 | 8°41 | 2°27 | 18°13 | 1°38 | 1°59 | 11°24 | 24°35 | F 14 |
| S 15 | 13 55 46 | 0♉36'26 | 17°11 | 29°19 | 15°37 | 5°30 | 25°14 | 19°46 | 8°39 | 2°25 | 18°14 | 1°38 | 1°56 | 11°31 | 24°38 | S 15 |
| S 16 | 13 59 43 | 1°34'29 | 29°24 | 1♉28 | 16°39 | 6° 3 | 25° 9 | 19°49 | 8°36 | 2°24 | 18°15 | 1°38 | 1°53 | 11°38 | 24°41 | S 16 |
| M17 | 14 3 39 | 2°32'31 | 11♏48 | 3°38 | 17°40 | 6°37 | 25° 4 | 19°53 | 8°34 | 2°22 | 18°17 | 1°38 | 1°49 | 11°44 | 24°45 | M17 |
| T 18 | 14 7 36 | 3°30'31 | 24°25 | 5°48 | 18°41 | 7°11 | 25° 0 | 19°57 | 8°31 | 2°20 | 18°18 | 1°38 | 1°46 | 11°51 | 24°48 | T 18 |
| W19 | 14 11 32 | 4°28'29 | 7♐15 | 7°58 | 19°41 | 7°45 | 24°55 | 20° 0 | 8°29 | 2°19 | 18°19 | 1°38 | 1°43 | 11°58 | 24°51 | W19 |
| T 20 | 14 15 29 | 5°26'26 | 20°18 | 10° 8 | 20°41 | 8°19 | 24°50 | 20° 4 | 8°26 | 2°17 | 18°21 | 1°37 | 1°40 | 12° 4 | 24°53 | T 20 |
| F 21 | 14 19 25 | 6°24'21 | 3♑36 | 12°18 | 21°41 | 8°53 | 24°46 | 20° 7 | 8°24 | 2°16 | 18°22 | 1°37 | 1°37 | 12°11 | 24°56 | F 21 |
| S 22 | 14 23 22 | 7°22'15 | 17° 9 | 14°27 | 22°40 | 9°27 | 24°42 | 20°11 | 8°21 | 2°14 | 18°23 | 1°36 | 1°34 | 12°18 | 24°59 | S 22 |
| S 23 | 14 27 19 | 8°20'08 | 0♒57 | 16°34 | 23°39 | 10° 1 | 24°38 | 20°14 | 8°19 | 2°12 | 18°25 | 1°36 | 1°30 | 12°24 | 25° 2 | S 23 |
| M24 | 14 31 15 | 9°17'59 | 14°59 | 18°41 | 24°38 | 10°35 | 24°34 | 20°17 | 8°16 | 2°11 | 18°26 | 1°D36 | 1°27 | 12°31 | 25° 5 | M24 |
| T 25 | 14 35 12 | 10°15'49 | 29°13 | 20°46 | 25°36 | 11° 9 | 24°31 | 20°20 | 8°13 | 2° 9 | 18°27 | 1°36 | 1°24 | 12°38 | 25° 8 | T 25 |
| W26 | 14 39 8 | 11°13'38 | 13♓39 | 22°49 | 26°34 | 11°43 | 24°27 | 20°23 | 8°11 | 2° 8 | 18°29 | 1°37 | 1°21 | 12°44 | 25°11 | W26 |
| T 27 | 14 43 5 | 12°11'26 | 28°11 | 24°49 | 27°31 | 12°18 | 24°24 | 20°26 | 8° 8 | 2° 6 | 18°30 | 1°38 | 1°18 | 12°51 | 25°13 | T 27 |
| F 28 | 14 47 1 | 13° 9'13 | 12♈46 | 26°48 | 28°28 | 12°52 | 24°20 | 20°28 | 8° 6 | 2° 4 | 18°31 | 1°39 | 1°14 | 12°58 | 25°16 | F 28 |
| S 29 | 14 50 58 | 14° 6'58 | 27°18 | 28°44 | 29°24 | 13°27 | 24°18 | 20°31 | 8° 3 | 2° 3 | 18°33 | 1°R39 | 1°11 | 13° 4 | 25°19 | S 29 |
| S 30 | 14 54 54 | 15♉ 4'42 | 11♉41 | 0♊38 | 0♋20 | 14♋ 1 | 24♍15 | 20♒34 | 8♏ 1 | 2♏ 1 | 18♉34 | 1♏39 | 1♏ 8 | 13♍11 | 25♓21 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n43 | 8n27 | 1n11 | 1s25 | 2s10 | 22n50 | 2n29 | 25n19 | 1n47 | 2n50 | 1n38 | 16s20 | 1s 7 | 14s13 | 0n25 | 10s42 | 1n55 | 4n38 | 13s 8 | 12s 5 | 12s27 | 4n 5 | 0n56 | 3n41 |
| S 2 | 7 5 | 12 32 | 0s10 | 0 37 | 2 5 | 23 6 | 2 32 | 25 19 | 1 47 | 2 53 | 1 38 | 16 19 | 1 7 | 14 13 | 0 25 | 10 42 | 1 55 | 4 38 | 13 8 | 12 5 | 12 26 | 4 3 | 0 58 | 3 41 |
| M 3 | 7 27 | 15 47 | 1 28 | 0n11 | 2 0 | 23 22 | 2 35 | 25 19 | 1 47 | 2 55 | 1 38 | 16 17 | 1 7 | 14 12 | 0 25 | 10 41 | 1 55 | 4 39 | 13 7 | 12 5 | 12 25 | 4 1 | 0 59 | 3 41 |
| T 4 | 7 50 | 18 0 | 2 39 | 1 1 | 1 55 | 23 38 | 2 38 | 25 19 | 1 46 | 2 58 | 1 38 | 16 16 | 1 7 | 14 11 | 0 25 | 10 41 | 1 55 | 4 39 | 13 7 | 12 6 | 12 24 | 3 59 | 1 0 | 3 41 |
| W 5 | 8 12 | 19 6 | 3 39 | 1 52 | 1 48 | 23 53 | 2 41 | 25 19 | 1 46 | 3 0 | 1 38 | 16 15 | 1 7 | 14 10 | 0 25 | 10 40 | 1 55 | 4 39 | 13 7 | 12 6 | 12 23 | 3 57 | 1 2 | 3 41 |
| T 6 | 8 34 | 19 7 | 4 25 | 2 44 | 1 42 | 24 7 | 2 43 | 25 18 | 1 45 | 3 3 | 1 38 | 16 13 | 1 8 | 14 10 | 0 25 | 10 39 | 1 55 | 4 40 | 13 7 | 12 6 | 12 22 | 3 55 | 1 3 | 3 41 |
| F 7 | 8 55 | 18 9 | 4 57 | 3 37 | 1 35 | 24 21 | 2 46 | 25 18 | 1 45 | 3 5 | 1 38 | 16 12 | 1 8 | 14 9 | 0 25 | 10 39 | 1 55 | 4 40 | 13 7 | 12 7 | 12 21 | 3 53 | 1 4 | 3 41 |
| S 8 | 9 17 | 16 21 | 5 14 | 4 30 | 1 27 | 24 34 | 2 48 | 25 17 | 1 45 | 3 8 | 1 37 | 16 11 | 1 8 | 14 8 | 0 25 | 10 38 | 1 55 | 4 41 | 13 7 | 12 7 | 12 20 | 3 51 | 1 6 | 3 41 |
| S 9 | 9 39 | 13 50 | 5 16 | 5 24 | 1 19 | 24 46 | 2 51 | 25 16 | 1 44 | 3 10 | 1 37 | 16 10 | 1 8 | 14 7 | 0 25 | 10 38 | 1 55 | 4 41 | 13 6 | 12 7 | 12 19 | 3 49 | 1 7 | 3 41 |
| M10 | 10 0 | 10 47 | 5 5 | 6 19 | 1 11 | 24 58 | 2 53 | 25 15 | 1 44 | 3 12 | 1 37 | 16 9 | 1 8 | 14 7 | 0 25 | 10 37 | 1 55 | 4 42 | 13 6 | 12 6 | 12 17 | 3 46 | 1 8 | 3 41 |
| T 11 | 10 21 | 7 20 | 4 41 | 7 14 | 1 2 | 25 9 | 2 56 | 25 14 | 1 43 | 3 14 | 1 37 | 16 7 | 1 8 | 14 6 | 0 25 | 10 37 | 1 55 | 4 42 | 13 6 | 12 6 | 12 16 | 3 44 | 1 10 | 3 41 |
| W12 | 10 42 | 3 35 | 4 4 | 8 9 | 0 52 | 25 20 | 2 58 | 25 12 | 1 43 | 3 16 | 1 37 | 16 6 | 1 9 | 14 5 | 0 25 | 10 36 | 1 55 | 4 43 | 13 6 | 12 6 | 12 15 | 3 42 | 1 11 | 3 41 |
| T 13 | 11 3 | 0s18 | 3 18 | 9 5 | 0 43 | 25 30 | 3 0 | 25 11 | 1 42 | 3 18 | 1 37 | 16 5 | 1 9 | 14 4 | 0 25 | 10 36 | 1 55 | 4 43 | 13 6 | 12 6 | 12 14 | 3 40 | 1 12 | 3 41 |
| F 14 | 11 24 | 4 13 | 2 22 | 10 0 | 0 33 | 25 40 | 3 2 | 25 9 | 1 42 | 3 20 | 1 36 | 16 4 | 1 9 | 14 4 | 0 25 | 10 35 | 1 55 | 4 44 | 13 6 | 12 6 | 12 13 | 3 38 | 1 14 | 3 41 |
| S 15 | 11 44 | 8 0 | 1 19 | 10 56 | 0 23 | 25 49 | 3 4 | 25 8 | 1 42 | 3 22 | 1 36 | 16 3 | 1 9 | 14 3 | 0 25 | 10 34 | 1 55 | 4 44 | 13 6 | 12 6 | 12 12 | 3 36 | 1 15 | 3 42 |
| S 16 | 12 5 | 11 30 | 0 12 | 11 51 | 0 12 | 25 57 | 3 6 | 25 6 | 1 41 | 3 24 | 1 36 | 16 2 | 1 9 | 14 2 | 0 25 | 10 34 | 1 55 | 4 45 | 13 6 | 12 6 | 12 11 | 3 34 | 1 16 | 3 42 |
| M17 | 12 25 | 14 33 | 0n56 | 12 46 | 0 2 | 26 5 | 3 7 | 25 4 | 1 41 | 3 26 | 1 36 | 16 1 | 1 9 | 14 1 | 0 25 | 10 33 | 1 55 | 4 45 | 13 6 | 12 6 | 12 10 | 3 32 | 1 17 | 3 42 |
| T 18 | 12 45 | 16 58 | 2 3 | 13 39 | 0n 9 | 26 12 | 3 9 | 25 1 | 1 40 | 3 28 | 1 36 | 16 0 | 1 10 | 14 0 | 0 25 | 10 33 | 1 55 | 4 45 | 13 5 | 12 6 | 12 9 | 3 30 | 1 19 | 3 42 |
| W19 | 13 4 | 18 35 | 3 5 | 14 32 | 0 20 | 26 18 | 3 10 | 24 59 | 1 40 | 3 29 | 1 35 | 15 59 | 1 10 | 14 0 | 0 25 | 10 32 | 1 55 | 4 46 | 13 5 | 12 6 | 12 8 | 3 28 | 1 20 | 3 42 |
| T 20 | 13 24 | 19 14 | 3 59 | 15 24 | 0 30 | 26 24 | 3 12 | 24 57 | 1 40 | 3 31 | 1 35 | 15 58 | 1 10 | 13 59 | 0 25 | 10 32 | 1 55 | 4 46 | 13 5 | 12 6 | 12 6 | 3 26 | 1 21 | 3 42 |
| F 21 | 13 43 | 18 50 | 4 40 | 16 14 | 0 41 | 26 30 | 3 13 | 24 54 | 1 39 | 3 32 | 1 35 | 15 57 | 1 10 | 13 58 | 0 25 | 10 31 | 1 55 | 4 47 | 13 5 | 12 5 | 12 5 | 3 24 | 1 22 | 3 42 |
| S 22 | 14 2 | 17 22 | 5 7 | 17 3 | 0 51 | 26 34 | 3 14 | 24 51 | 1 39 | 3 34 | 1 35 | 15 56 | 1 10 | 13 57 | 0 25 | 10 31 | 1 55 | 4 47 | 13 5 | 12 5 | 12 4 | 3 22 | 1 24 | 3 42 |
| S 23 | 14 21 | 14 53 | 5 17 | 17 50 | 1 1 | 26 38 | 3 15 | 24 48 | 1 38 | 3 35 | 1 35 | 15 55 | 1 11 | 13 56 | 0 25 | 10 30 | 1 55 | 4 48 | 13 5 | 12 5 | 12 3 | 3 20 | 1 25 | 3 42 |
| M24 | 14 40 | 11 30 | 5 9 | 18 35 | 1 10 | 26 42 | 3 16 | 24 45 | 1 38 | 3 37 | 1 34 | 15 55 | 1 11 | 13 56 | 0 25 | 10 29 | 1 55 | 4 48 | 13 5 | 12 5 | 12 2 | 3 18 | 1 26 | 3 42 |
| T 25 | 14 58 | 7 24 | 4 41 | 19 18 | 1 19 | 26 45 | 3 16 | 24 42 | 1 37 | 3 38 | 1 34 | 15 54 | 1 11 | 13 55 | 0 25 | 10 29 | 1 55 | 4 48 | 13 5 | 12 5 | 12 1 | 3 16 | 1 27 | 3 42 |
| W26 | 15 16 | 2 50 | 3 56 | 19 59 | 1 28 | 26 47 | 3 17 | 24 38 | 1 37 | 3 39 | 1 34 | 15 53 | 1 11 | 13 54 | 0 25 | 10 28 | 1 55 | 4 49 | 13 5 | 12 5 | 12 0 | 3 14 | 1 28 | 3 42 |
| T 27 | 15 34 | 1n57 | 2 55 | 20 37 | 1 36 | 26 49 | 3 17 | 24 35 | 1 37 | 3 40 | 1 34 | 15 52 | 1 11 | 13 53 | 0 25 | 10 28 | 1 55 | 4 49 | 13 5 | 12 6 | 11 59 | 3 12 | 1 30 | 3 42 |
| F 28 | 15 52 | 6 38 | 1 43 | 21 13 | 1 44 | 26 50 | 3 18 | 24 31 | 1 36 | 3 41 | 1 33 | 15 52 | 1 11 | 13 52 | 0 25 | 10 27 | 1 55 | 4 50 | 13 5 | 12 6 | 11 58 | 3 10 | 1 31 | 3 43 |
| S 29 | 16 9 | 10 56 | 0 24 | 21 46 | 1 50 | 26 51 | 3 18 | 24 27 | 1 36 | 3 42 | 1 33 | 15 51 | 1 12 | 13 52 | 0 25 | 10 27 | 1 55 | 4 50 | 13 5 | 12 6 | 11 56 | 3 8 | 1 32 | 3 43 |
| S 30 | 16n26 | 14n32 | 0s55 | 22n17 | 1n57 | 26n51 | 3n18 | 24n23 | 1n35 | 3n43 | 1n33 | 15s50 | 1s12 | 13s51 | 0n25 | 10s26 | 1n55 | 4n50 | 13s 5 | 12s 6 | 11s55 | 3n 6 | 1n33 | 3n43 |

Julian Day Number = 2137167.5, Delta T = 15m46s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'23, Lahiri = 11°51'24 Julian Calendar 1 Apr. 1139 == Greg. Calendar 8 Apr. 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## MAY 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 58 51 | 16♉ 2'25 | 25♉51 | 2♊28 | 1♋15 | 14♋36 | 24°R12 | 20♒36 | 7°R58 | 2°R 0 | 18♉35 | 1°R38 | 1♏ 5 | 13♍18 | 25♓24 | M 1 |
| T 2 | 15 2 48 | 17° 0'06 | 9♊42 | 4°16 | 2°10 | 15°10 | 24♍10 | 20°39 | 7♏56 | 1♏58 | 18°37 | 1♏37 | 1° 2 | 13°25 | 25°26 | T 2 |
| W 3 | 15 6 44 | 17°57'46 | 23°12 | 6° 2 | 3° 4 | 15°45 | 24° 7 | 20°41 | 7°54 | 1°56 | 18°38 | 1°35 | 0°59 | 13°31 | 25°29 | W 3 |
| T 4 | 15 10 41 | 18°55'25 | 6♋19 | 7°44 | 3°57 | 16°19 | 24° 5 | 20°43 | 7°51 | 1°55 | 18°39 | 1°32 | 0°55 | 13°38 | 25°31 | T 4 |
| F 5 | 15 14 37 | 19°53'02 | 19° 6 | 9°23 | 4°50 | 16°54 | 24° 3 | 20°45 | 7°49 | 1°53 | 18°41 | 1°30 | 0°52 | 13°45 | 25°34 | F 5 |
| S 6 | 15 18 34 | 20°50'37 | 1♌33 | 10°59 | 5°43 | 17°29 | 24° 2 | 20°47 | 7°46 | 1°52 | 18°42 | 1°28 | 0°49 | 13°51 | 25°36 | S 6 |
| S 7 | 15 22 30 | 21°48'11 | 13°44 | 12°31 | 6°34 | 18° 4 | 24° 0 | 20°49 | 7°44 | 1°50 | 18°43 | 1°27 | 0°46 | 13°58 | 25°39 | S 7 |
| M 8 | 15 26 27 | 22°45'43 | 25°44 | 14° 1 | 7°25 | 18°39 | 23°59 | 20°51 | 7°41 | 1°49 | 18°45 | 1°D27 | 0°43 | 14° 5 | 25°41 | M 8 |
| T 9 | 15 30 23 | 23°43'14 | 7♍37 | 15°27 | 8°16 | 19°14 | 23°57 | 20°53 | 7°39 | 1°47 | 18°46 | 1°27 | 0°40 | 14°11 | 25°43 | T 9 |
| W10 | 15 34 20 | 24°40'44 | 19°28 | 16°51 | 9° 5 | 19°49 | 23°56 | 20°54 | 7°37 | 1°46 | 18°48 | 1°29 | 0°36 | 14°18 | 25°45 | W10 |
| T 11 | 15 38 17 | 25°38'12 | 1♎21 | 18°10 | 9°54 | 20°24 | 23°56 | 20°56 | 7°34 | 1°44 | 18°49 | 1°30 | 0°33 | 14°25 | 25°48 | T 11 |
| F 12 | 15 42 13 | 26°35'39 | 13°21 | 19°27 | 10°42 | 20°59 | 23°55 | 20°57 | 7°32 | 1°43 | 18°50 | 1°32 | 0°30 | 14°31 | 25°50 | F 12 |
| S 13 | 15 46 10 | 27°33'05 | 25°32 | 20°40 | 11°30 | 21°34 | 23°54 | 20°59 | 7°30 | 1°41 | 18°52 | 1°R33 | 0°27 | 14°38 | 25°52 | S 13 |
| S 14 | 15 50 6 | 28°30'30 | 7♏56 | 21°50 | 12°16 | 22° 9 | 23°54 | 21° 0 | 7°27 | 1°40 | 18°53 | 1°33 | 0°24 | 14°45 | 25°54 | S 14 |
| M15 | 15 54 3 | 29°27'53 | 20°36 | 22°56 | 13° 2 | 22°44 | 23°D54 | 21° 1 | 7°25 | 1°39 | 18°54 | 1°32 | 0°20 | 14°51 | 25°56 | M15 |
| T 16 | 15 57 59 | 0♊25'16 | 3♐33 | 23°58 | 13°46 | 23°19 | 23°54 | 21° 2 | 7°23 | 1°37 | 18°56 | 1°29 | 0°17 | 14°58 | 25°58 | T 16 |
| W17 | 16 1 56 | 1°22'38 | 16°45 | 24°57 | 14°30 | 23°55 | 23°54 | 21° 3 | 7°21 | 1°36 | 18°57 | 1°25 | 0°14 | 15° 5 | 26° 0 | W17 |
| T 18 | 16 5 52 | 2°19'59 | 0♑13 | 25°53 | 15°13 | 24°30 | 23°55 | 21° 4 | 7°18 | 1°35 | 18°58 | 1°21 | 0°11 | 15°12 | 26° 2 | T 18 |
| F 19 | 16 9 49 | 3°17'19 | 13°55 | 26°44 | 15°55 | 25° 5 | 23°55 | 21° 5 | 7°16 | 1°33 | 19° 0 | 1°16 | 0° 8 | 15°18 | 26° 4 | F 19 |
| S 20 | 16 13 46 | 4°14'38 | 27°47 | 27°32 | 16°36 | 25°41 | 23°56 | 21° 6 | 7°14 | 1°32 | 19° 1 | 1°12 | 0° 5 | 15°25 | 26° 5 | S 20 |
| S 21 | 16 17 42 | 5°11'57 | 11♒48 | 28°15 | 17°15 | 26°16 | 23°57 | 21° 6 | 7°12 | 1°31 | 19° 2 | 1° 8 | 0° 1 | 15°32 | 26° 7 | S 21 |
| M22 | 16 21 39 | 6° 9'16 | 25°55 | 28°55 | 17°54 | 26°52 | 23°58 | 21° 7 | 7°10 | 1°29 | 19° 4 | 1° 6 | 29♎58 | 15°38 | 26° 9 | M22 |
| T 23 | 16 25 35 | 7° 6'34 | 10♓ 6 | 29°30 | 18°31 | 27°27 | 23°59 | 21° 7 | 7° 8 | 1°28 | 19° 5 | 1°D 6 | 29°55 | 15°45 | 26°10 | T 23 |
| W24 | 16 29 32 | 8° 3'51 | 24°18 | 0♋ 2 | 19° 7 | 28° 3 | 24° 1 | 21° 7 | 7° 6 | 1°27 | 19° 6 | 1° 7 | 29°52 | 15°52 | 26°12 | W24 |
| T 25 | 16 33 28 | 9° 1'08 | 8♈30 | 0°29 | 19°42 | 28°38 | 24° 3 | 21° 7 | 7° 4 | 1°26 | 19° 7 | 1° 8 | 29°49 | 15°58 | 26°14 | T 25 |
| F 26 | 16 37 25 | 9°58'25 | 22°40 | 0°51 | 20°16 | 29°14 | 24° 4 | 21°R 7 | 7° 2 | 1°24 | 19° 9 | 1° 9 | 29°46 | 16° 5 | 26°15 | F 26 |
| S 27 | 16 41 21 | 10°55'41 | 6♉45 | 1° 9 | 20°48 | 29°50 | 24° 6 | 21° 7 | 7° 0 | 1°23 | 19°10 | 1°R 9 | 29°42 | 16°12 | 26°17 | S 27 |
| S 28 | 16 45 18 | 11°52'57 | 20°43 | 1°23 | 21°19 | 0♌25 | 24° 9 | 21° 7 | 6°58 | 1°22 | 19°11 | 1° 8 | 29°39 | 16°18 | 26°18 | S 28 |
| M29 | 16 49 15 | 12°50'13 | 4♊31 | 1°32 | 21°49 | 1° 1 | 24°11 | 21° 7 | 6°56 | 1°21 | 19°13 | 1° 5 | 29°36 | 16°25 | 26°19 | M29 |
| T 30 | 16 53 11 | 13°47'28 | 18° 5 | 1°R36 | 22°17 | 1°37 | 24°14 | 21° 7 | 6°54 | 1°20 | 19°14 | 0°59 | 29°33 | 16°32 | 26°21 | T 30 |
| W31 | 16 57 8 | 14♊44'43 | 1♋22 | 1♋36 | 22♋43 | 2♌13 | 24♍16 | 21♒ 6 | 6♏52 | 1♏19 | 19♉15 | 0♏52 | 29♎30 | 16♍38 | 26♓22 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n43 | 17n12 | 2s10 | 22n45 | 2n 2 | 26n50 | 3n17 | 24n19 | 1n35 | 3n44 | 1n33 | 15s50 | 1s12 | 13s50 | 0n25 | 10s26 | 1n55 | 4n51 | 13s 4 | 12s 6 | 11s54 | 3n 4 | 1n34 | 3n43 |
| T 2 | 16 59 | 18 47 | 3 15 | 23 10 | 2 7 | 26 49 | 3 17 | 24 15 | 1 34 | 3 45 | 1 33 | 15 49 | 1 12 | 13 49 | 0 25 | 10 25 | 1 55 | 4 51 | 13 4 | 12 5 | 11 53 | 3 2 | 1 35 | 3 43 |
| W 3 | 17 16 | 19 15 | 4 8 | 23 33 | 2 11 | 26 47 | 3 17 | 24 10 | 1 34 | 3 45 | 1 32 | 15 48 | 1 12 | 13 48 | 0 25 | 10 25 | 1 55 | 4 52 | 13 4 | 12 5 | 11 52 | 3 0 | 1 36 | 3 43 |
| T 4 | 17 32 | 18 38 | 4 46 | 23 54 | 2 14 | 26 45 | 3 16 | 24 6 | 1 34 | 3 46 | 1 32 | 15 48 | 1 13 | 13 48 | 0 25 | 10 24 | 1 55 | 4 52 | 13 4 | 12 4 | 11 51 | 2 58 | 1 37 | 3 43 |
| F 5 | 17 47 | 17 6 | 5 8 | 24 12 | 2 16 | 26 42 | 3 15 | 24 1 | 1 33 | 3 47 | 1 32 | 15 47 | 1 13 | 13 47 | 0 25 | 10 24 | 1 55 | 4 52 | 13 4 | 12 3 | 11 50 | 2 56 | 1 38 | 3 43 |
| S 6 | 18 3 | 14 46 | 5 16 | 24 28 | 2 18 | 26 39 | 3 14 | 23 56 | 1 33 | 3 47 | 1 32 | 15 47 | 1 13 | 13 46 | 0 25 | 10 23 | 1 55 | 4 53 | 13 4 | 12 2 | 11 49 | 2 54 | 1 40 | 3 43 |
| S 7 | 18 18 | 11 51 | 5 8 | 24 41 | 2 19 | 26 35 | 3 13 | 23 51 | 1 32 | 3 47 | 1 31 | 15 47 | 1 13 | 13 45 | 0 25 | 10 23 | 1 55 | 4 53 | 13 4 | 12 2 | 11 48 | 2 52 | 1 41 | 3 43 |
| M 8 | 18 33 | 8 29 | 4 48 | 24 53 | 2 19 | 26 31 | 3 11 | 23 46 | 1 32 | 3 48 | 1 31 | 15 46 | 1 13 | 13 44 | 0 25 | 10 22 | 1 55 | 4 53 | 13 4 | 12 2 | 11 46 | 2 50 | 1 42 | 3 44 |
| T 9 | 18 47 | 4 48 | 4 15 | 25 2 | 2 18 | 26 26 | 3 9 | 23 40 | 1 31 | 3 48 | 1 31 | 15 46 | 1 14 | 13 44 | 0 25 | 10 22 | 1 55 | 4 54 | 13 4 | 12 2 | 11 45 | 2 48 | 1 43 | 3 44 |
| W10 | 19 2 | 0 57 | 3 31 | 25 9 | 2 16 | 26 21 | 3 8 | 23 35 | 1 31 | 3 48 | 1 31 | 15 45 | 1 14 | 13 43 | 0 25 | 10 21 | 1 54 | 4 54 | 13 4 | 12 3 | 11 44 | 2 46 | 1 44 | 3 44 |
| T 11 | 19 15 | 2s58 | 2 39 | 25 14 | 2 13 | 26 16 | 3 6 | 23 29 | 1 31 | 3 48 | 1 30 | 15 45 | 1 14 | 13 42 | 0 25 | 10 21 | 1 54 | 4 55 | 13 4 | 12 3 | 11 43 | 2 44 | 1 45 | 3 44 |
| F 12 | 19 29 | 6 48 | 1 38 | 25 17 | 2 10 | 26 10 | 3 3 | 23 23 | 1 30 | 3 48 | 1 30 | 15 45 | 1 14 | 13 41 | 0 25 | 10 20 | 1 54 | 4 55 | 13 4 | 12 4 | 11 42 | 2 42 | 1 46 | 3 44 |
| S 13 | 19 42 | 10 26 | 0 33 | 25 19 | 2 6 | 26 3 | 3 1 | 23 17 | 1 30 | 3 48 | 1 30 | 15 45 | 1 14 | 13 41 | 0 25 | 10 20 | 1 54 | 4 55 | 13 4 | 12 4 | 11 41 | 2 40 | 1 46 | 3 44 |
| S 14 | 19 55 | 13 40 | 0n35 | 25 18 | 2 1 | 25 56 | 2 58 | 23 11 | 1 29 | 3 48 | 1 30 | 15 44 | 1 15 | 13 40 | 0 25 | 10 19 | 1 54 | 4 56 | 13 4 | 12 4 | 11 40 | 2 38 | 1 47 | 3 44 |
| M15 | 20 8 | 16 20 | 1 43 | 25 17 | 1 55 | 25 49 | 2 55 | 23 5 | 1 29 | 3 48 | 1 29 | 15 44 | 1 15 | 13 39 | 0 25 | 10 19 | 1 54 | 4 56 | 13 4 | 12 4 | 11 39 | 2 36 | 1 48 | 3 44 |
| T 16 | 20 20 | 18 14 | 2 46 | 25 13 | 1 49 | 25 41 | 2 52 | 22 59 | 1 28 | 3 48 | 1 29 | 15 44 | 1 15 | 13 38 | 0 25 | 10 18 | 1 54 | 4 56 | 13 4 | 12 3 | 11 37 | 2 34 | 1 49 | 3 45 |
| W17 | 20 32 | 19 12 | 3 43 | 25 8 | 1 41 | 25 33 | 2 49 | 22 52 | 1 28 | 3 47 | 1 29 | 15 44 | 1 15 | 13 38 | 0 25 | 10 18 | 1 54 | 4 57 | 13 4 | 12 1 | 11 36 | 2 32 | 1 50 | 3 45 |
| T 18 | 20 43 | 19 5 | 4 27 | 25 2 | 1 33 | 25 25 | 2 45 | 22 45 | 1 28 | 3 47 | 1 28 | 15 44 | 1 15 | 13 37 | 0 25 | 10 17 | 1 54 | 4 57 | 13 4 | 12 0 | 11 35 | 2 30 | 1 51 | 3 45 |
| F 19 | 20 55 | 17 53 | 4 58 | 24 54 | 1 24 | 25 16 | 2 41 | 22 38 | 1 27 | 3 46 | 1 28 | 15 44 | 1 16 | 13 36 | 0 25 | 10 17 | 1 54 | 4 57 | 13 4 | 11 58 | 11 34 | 2 28 | 1 52 | 3 45 |
| S 20 | 21 5 | 15 37 | 5 11 | 24 46 | 1 14 | 25 7 | 2 37 | 22 32 | 1 27 | 3 46 | 1 28 | 15 44 | 1 16 | 13 36 | 0 25 | 10 17 | 1 54 | 4 57 | 13 4 | 11 57 | 11 33 | 2 26 | 1 53 | 3 45 |
| S 21 | 21 16 | 12 25 | 5 7 | 24 36 | 1 4 | 24 57 | 2 33 | 22 24 | 1 26 | 3 45 | 1 28 | 15 44 | 1 16 | 13 35 | 0 25 | 10 16 | 1 54 | 4 58 | 13 4 | 11 55 | 11 32 | 2 24 | 1 54 | 3 45 |
| M22 | 21 26 | 8 29 | 4 43 | 24 25 | 0 52 | 24 47 | 2 28 | 22 17 | 1 26 | 3 45 | 1 27 | 15 44 | 1 16 | 13 34 | 0 25 | 10 16 | 1 54 | 4 58 | 13 4 | 11 55 | 11 31 | 2 22 | 1 54 | 3 45 |
| T 23 | 21 36 | 4 4 | 4 3 | 24 13 | 0 40 | 24 37 | 2 23 | 22 10 | 1 25 | 3 44 | 1 27 | 15 44 | 1 16 | 13 34 | 0 25 | 10 15 | 1 54 | 4 58 | 13 5 | 11 55 | 11 30 | 2 20 | 1 55 | 3 45 |
| W24 | 21 45 | 0n35 | 3 7 | 24 1 | 0 28 | 24 27 | 2 18 | 22 2 | 1 25 | 3 43 | 1 27 | 15 44 | 1 17 | 13 33 | 0 25 | 10 15 | 1 54 | 4 59 | 13 5 | 11 55 | 11 29 | 2 18 | 1 56 | 3 46 |
| T 25 | 21 54 | 5 14 | 2 0 | 23 47 | 0 14 | 24 16 | 2 12 | 21 54 | 1 25 | 3 42 | 1 27 | 15 44 | 1 17 | 13 32 | 0 25 | 10 15 | 1 54 | 4 59 | 13 5 | 11 55 | 11 27 | 2 16 | 1 57 | 3 46 |
| F 26 | 22 3 | 9 34 | 0 46 | 23 33 | 0 0 | 24 6 | 2 6 | 21 47 | 1 24 | 3 41 | 1 26 | 15 44 | 1 17 | 13 32 | 0 25 | 10 14 | 1 54 | 4 59 | 13 5 | 11 56 | 11 26 | 2 14 | 1 57 | 3 46 |
| S 27 | 22 11 | 13 21 | 0s30 | 23 18 | 0s14 | 23 55 | 2 0 | 21 39 | 1 24 | 3 40 | 1 26 | 15 44 | 1 17 | 13 31 | 0 25 | 10 14 | 1 54 | 4 59 | 13 5 | 11 56 | 11 25 | 2 12 | 1 58 | 3 46 |
| S 28 | 22 19 | 16 20 | 1 44 | 23 3 | 0 29 | 23 43 | 1 54 | 21 30 | 1 23 | 3 39 | 1 26 | 15 45 | 1 17 | 13 31 | 0 25 | 10 13 | 1 54 | 5 0 | 13 5 | 11 55 | 11 24 | 2 10 | 1 59 | 3 46 |
| M29 | 22 26 | 18 20 | 2 51 | 22 48 | 0 45 | 23 32 | 1 47 | 21 22 | 1 23 | 3 38 | 1 26 | 15 45 | 1 18 | 13 30 | 0 25 | 10 13 | 1 54 | 5 0 | 13 5 | 11 54 | 11 23 | 2 8 | 1 59 | 3 46 |
| T 30 | 22 34 | 19 15 | 3 47 | 22 32 | 1 1 | 23 20 | 1 40 | 21 14 | 1 22 | 3 37 | 1 25 | 15 45 | 1 18 | 13 29 | 0 25 | 10 13 | 1 54 | 5 0 | 13 5 | 11 52 | 11 22 | 2 6 | 2 0 | 3 46 |
| W31 | 22n40 | 19n 4 | 4s29 | 22n15 | 1s17 | 23n 9 | 1n33 | 21n 5 | 1n22 | 3n35 | 1n25 | 15s46 | 1s18 | 13s29 | 0n25 | 10s12 | 1n54 | 5n 0 | 13s 5 | 11s50 | 11s21 | 2n 4 | 2n 1 | 3n47 |

Julian Day Number = 2137197.5, Delta T = 15m46s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'27, Lahiri = 11°51'28 Julian Calendar 1 May 1139 == Greg. Calendar 8 May 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## JUNE 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 1 4 | 15♊41'57 | 14♋23 | 1°R32 | 23♋ 8 | 2♌49 | 24♍19 | 21°R 6 | 6°R50 | 1°R18 | 19♉16 | 0°R45 | 29♎26 | 16♍45 | 26♓23 | T 1 |
| F 2 | 17 5 1 | 16°39'10 | 27° 5 | 1♋23 | 23°31 | 3°25 | 24°22 | 21♒ 5 | 6♏49 | 1♏17 | 19°18 | 0♏37 | 29°23 | 16°52 | 26°24 | F 2 |
| S 3 | 17 8 57 | 17°36'23 | 9♌30 | 1° 9 | 23°53 | 4° 1 | 24°25 | 21° 4 | 6°47 | 1°16 | 19°19 | 0°30 | 29°20 | 16°58 | 26°25 | S 3 |
| S 4 | 17 12 54 | 18°33'35 | 21°41 | 0°52 | 24°12 | 4°37 | 24°29 | 21° 4 | 6°45 | 1°15 | 19°20 | 0°25 | 29°17 | 17° 5 | 26°27 | S 4 |
| M 5 | 17 16 50 | 19°30'47 | 3♍40 | 0°31 | 24°30 | 5°13 | 24°32 | 21° 3 | 6°44 | 1°14 | 19°21 | 0°22 | 29°14 | 17°12 | 26°28 | M 5 |
| T 6 | 17 20 47 | 20°27'58 | 15°33 | 0° 6 | 24°46 | 5°49 | 24°36 | 21° 2 | 6°42 | 1°13 | 19°22 | 0°D20 | 29°11 | 17°18 | 26°28 | T 6 |
| W 7 | 17 24 44 | 21°25'09 | 27°23 | 29♊38 | 25° 0 | 6°25 | 24°40 | 21° 1 | 6°41 | 1°12 | 19°24 | 0°20 | 29° 7 | 17°25 | 26°29 | W 7 |
| T 8 | 17 28 40 | 22°22'19 | 9♎17 | 29° 8 | 25°12 | 7° 1 | 24°44 | 20°59 | 6°39 | 1°11 | 19°25 | 0°21 | 29° 4 | 17°32 | 26°30 | T 8 |
| F 9 | 17 32 37 | 23°19'28 | 21°19 | 28°35 | 25°21 | 7°37 | 24°48 | 20°58 | 6°38 | 1°10 | 19°26 | 0°22 | 29° 1 | 17°39 | 26°31 | F 9 |
| S 10 | 17 36 33 | 24°16'37 | 3♏33 | 28° 1 | 25°29 | 8°13 | 24°52 | 20°57 | 6°36 | 1° 9 | 19°27 | 0°R23 | 28°58 | 17°45 | 26°32 | S 10 |
| S 11 | 17 40 30 | 25°13'46 | 16° 5 | 27°25 | 25°34 | 8°50 | 24°57 | 20°55 | 6°35 | 1° 8 | 19°28 | 0°21 | 28°55 | 17°52 | 26°33 | S 11 |
| M12 | 17 44 26 | 26°10'55 | 28°57 | 26°49 | 25°37 | 9°26 | 25° 2 | 20°54 | 6°33 | 1° 8 | 19°29 | 0°18 | 28°51 | 17°59 | 26°33 | M12 |
| T 13 | 17 48 23 | 27° 8'03 | 12♐11 | 26°13 | 25°R38 | 10° 2 | 25° 6 | 20°52 | 6°32 | 1° 7 | 19°30 | 0°13 | 28°48 | 18° 5 | 26°34 | T 13 |
| W14 | 17 52 19 | 28° 5'12 | 25°45 | 25°37 | 25°37 | 10°39 | 25°11 | 20°50 | 6°31 | 1° 6 | 19°32 | 0° 5 | 28°45 | 18°12 | 26°34 | W14 |
| T 15 | 17 56 16 | 29° 2'20 | 9♑39 | 25° 3 | 25°33 | 11°15 | 25°16 | 20°48 | 6°30 | 1° 6 | 19°33 | 29♎56 | 28°42 | 18°19 | 26°35 | T 15 |
| F 16 | 18 0 13 | 29°59'29 | 23°47 | 24°31 | 25°26 | 11°52 | 25°22 | 20°46 | 6°29 | 1° 5 | 19°34 | 29°47 | 28°39 | 18°25 | 26°35 | F 16 |
| S 17 | 18 4 9 | 0♋56'37 | 8♒ 6 | 24° 1 | 25°18 | 12°28 | 25°27 | 20°44 | 6°27 | 1° 4 | 19°35 | 29°38 | 28°36 | 18°32 | 26°36 | S 17 |
| S 18 | 18 8 6 | 1°53'46 | 22°28 | 23°34 | 25° 7 | 13° 5 | 25°33 | 20°42 | 6°26 | 1° 4 | 19°36 | 29°31 | 28°32 | 18°39 | 26°36 | S 18 |
| M19 | 18 12 2 | 2°50'55 | 6♓50 | 23°11 | 24°53 | 13°41 | 25°38 | 20°40 | 6°25 | 1° 3 | 19°37 | 29°26 | 28°29 | 18°45 | 26°36 | M19 |
| T 20 | 18 15 59 | 3°48'05 | 21° 7 | 22°51 | 24°37 | 14°18 | 25°44 | 20°38 | 6°24 | 1° 3 | 19°38 | 29°24 | 28°26 | 18°52 | 26°36 | T 20 |
| W21 | 18 19 55 | 4°45'15 | 5♈18 | 22°36 | 24°19 | 14°54 | 25°50 | 20°35 | 6°23 | 1° 2 | 19°39 | 29°D23 | 28°23 | 18°59 | 26°37 | W21 |
| T 22 | 18 23 52 | 5°42'26 | 19°19 | 22°26 | 23°59 | 15°31 | 25°56 | 20°33 | 6°22 | 1° 2 | 19°40 | 29°23 | 28°20 | 19° 5 | 26°37 | T 22 |
| F 23 | 18 27 49 | 6°39'37 | 3♉12 | 22°20 | 23°36 | 16° 8 | 26° 3 | 20°30 | 6°22 | 1° 1 | 19°41 | 29°R24 | 28°17 | 19°12 | 26°37 | F 23 |
| S 24 | 18 31 45 | 7°36'49 | 16°55 | 22°D19 | 23°12 | 16°45 | 26° 9 | 20°28 | 6°21 | 1° 1 | 19°42 | 29°22 | 28°13 | 19°19 | 26°R37 | S 24 |
| S 25 | 18 35 42 | 8°34'01 | 0♊29 | 22°24 | 22°45 | 17°21 | 26°16 | 20°25 | 6°20 | 1° 0 | 19°43 | 29°19 | 28°10 | 19°25 | 26°37 | S 25 |
| M26 | 18 39 38 | 9°31'14 | 13°52 | 22°34 | 22°17 | 17°58 | 26°22 | 20°22 | 6°19 | 1° 0 | 19°44 | 29°13 | 28° 7 | 19°32 | 26°37 | M26 |
| T 27 | 18 43 35 | 10°28'28 | 27° 4 | 22°49 | 21°46 | 18°35 | 26°29 | 20°19 | 6°19 | 1° 0 | 19°45 | 29° 4 | 28° 4 | 19°39 | 26°37 | T 27 |
| W28 | 18 47 31 | 11°25'42 | 10♋ 3 | 23°10 | 21°14 | 19°12 | 26°36 | 20°16 | 6°18 | 0°59 | 19°46 | 28°53 | 28° 1 | 19°45 | 26°36 | W28 |
| T 29 | 18 51 28 | 12°22'56 | 22°49 | 23°37 | 20°41 | 19°49 | 26°43 | 20°13 | 6°18 | 0°59 | 19°47 | 28°41 | 27°57 | 19°52 | 26°36 | T 29 |
| F 30 | 18 55 24 | 13♋20'11 | 5♌21 | 24♊ 9 | 20♋ 7 | 20♌26 | 26♍50 | 20♒10 | 6♏17 | 0♏59 | 19♉47 | 28♎29 | 27♎54 | 19♍59 | 26♓36 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n47 | 17n52 | 4s56 | 21n59 | 1s33 | 22n57 | 1n25 | 20n57 | 1n21 | 3n34 | 1n25 | 15s46 | 1s18 | 13s28 | 0n25 | 10s12 | 1n54 | 5n 1 | 13s 5 | 11s47 | 11s20 | 2n 2 | 2n 1 | 3n47 |
| F 2 | 22 53 | 15 48 | 5 8 | 21 43 | 1 50 | 22 45 | 1 17 | 20 48 | 1 21 | 3 32 | 1 25 | 15 46 | 1 18 | 13 28 | 0 25 | 10 12 | 1 54 | 5 1 | 13 5 | 11 44 | 11 18 | 2 0 | 2 2 | 3 47 |
| S 3 | 22 58 | 13 4 | 5 4 | 21 26 | 2 6 | 22 33 | 1 8 | 20 39 | 1 21 | 3 31 | 1 24 | 15 47 | 1 19 | 13 27 | 0 25 | 10 11 | 1 54 | 5 1 | 13 5 | 11 42 | 11 17 | 1 58 | 2 3 | 3 47 |
| S 4 | 23 3 | 9 48 | 4 47 | 21 10 | 2 23 | 22 21 | 1 0 | 20 30 | 1 20 | 3 29 | 1 24 | 15 47 | 1 19 | 13 27 | 0 25 | 10 11 | 1 54 | 5 1 | 13 5 | 11 40 | 11 16 | 1 56 | 2 3 | 3 47 |
| M 5 | 23 8 | 6 12 | 4 18 | 20 54 | 2 39 | 22 9 | 0 51 | 20 20 | 1 20 | 3 28 | 1 24 | 15 48 | 1 19 | 13 26 | 0 25 | 10 11 | 1 54 | 5 2 | 13 6 | 11 39 | 11 15 | 1 54 | 2 4 | 3 47 |
| T 6 | 23 12 | 2 23 | 3 38 | 20 38 | 2 55 | 21 57 | 0 41 | 20 11 | 1 19 | 3 26 | 1 24 | 15 48 | 1 19 | 13 26 | 0 25 | 10 11 | 1 53 | 5 2 | 13 6 | 11 39 | 11 14 | 1 52 | 2 4 | 3 47 |
| W 7 | 23 16 | 1s32 | 2 48 | 20 23 | 3 10 | 21 45 | 0 31 | 20 2 | 1 19 | 3 24 | 1 23 | 15 49 | 1 19 | 13 25 | 0 25 | 10 10 | 1 53 | 5 2 | 13 6 | 11 39 | 11 13 | 1 50 | 2 5 | 3 48 |
| T 8 | 23 20 | 5 24 | 1 51 | 20 9 | 3 24 | 21 32 | 0 21 | 19 52 | 1 18 | 3 22 | 1 23 | 15 49 | 1 20 | 13 25 | 0 25 | 10 10 | 1 53 | 5 2 | 13 6 | 11 39 | 11 12 | 1 48 | 2 5 | 3 48 |
| F 9 | 23 23 | 9 6 | 0 49 | 19 55 | 3 38 | 21 20 | 0 11 | 19 42 | 1 18 | 3 20 | 1 23 | 15 50 | 1 20 | 13 24 | 0 25 | 10 10 | 1 53 | 5 2 | 13 6 | 11 39 | 11 10 | 1 46 | 2 6 | 3 48 |
| S 10 | 23 25 | 12 29 | 0n17 | 19 42 | 3 50 | 21 8 | 0s 0 | 19 32 | 1 18 | 3 18 | 1 23 | 15 51 | 1 20 | 13 24 | 0 25 | 10 10 | 1 53 | 5 2 | 13 6 | 11 39 | 11 9 | 1 44 | 2 6 | 3 48 |
| S 11 | 23 28 | 15 24 | 1 23 | 19 30 | 4 1 | 20 56 | 0 12 | 19 22 | 1 17 | 3 16 | 1 22 | 15 51 | 1 20 | 13 23 | 0 25 | 10 9 | 1 53 | 5 3 | 13 6 | 11 39 | 11 8 | 1 42 | 2 6 | 3 48 |
| M12 | 23 30 | 17 37 | 2 27 | 19 19 | 4 12 | 20 44 | 0 23 | 19 12 | 1 17 | 3 14 | 1 22 | 15 52 | 1 20 | 13 23 | 0 24 | 10 9 | 1 53 | 5 3 | 13 6 | 11 38 | 11 7 | 1 40 | 2 7 | 3 48 |
| T 13 | 23 31 | 18 59 | 3 25 | 19 9 | 4 20 | 20 32 | 0 35 | 19 2 | 1 16 | 3 12 | 1 22 | 15 53 | 1 21 | 13 22 | 0 24 | 10 9 | 1 53 | 5 3 | 13 6 | 11 36 | 11 6 | 1 38 | 2 7 | 3 49 |
| W14 | 23 32 | 19 17 | 4 12 | 19 1 | 4 28 | 20 21 | 0 47 | 18 52 | 1 16 | 3 10 | 1 22 | 15 53 | 1 21 | 13 22 | 0 24 | 10 9 | 1 53 | 5 3 | 13 7 | 11 33 | 11 5 | 1 36 | 2 8 | 3 49 |
| T 15 | 23 33 | 18 27 | 4 46 | 18 54 | 4 33 | 20 9 | 1 0 | 18 41 | 1 15 | 3 8 | 1 21 | 15 54 | 1 21 | 13 22 | 0 24 | 10 9 | 1 53 | 5 3 | 13 7 | 11 30 | 11 4 | 1 34 | 2 8 | 3 49 |
| F 16 | 23 33 | 16 28 | 5 3 | 18 49 | 4 38 | 19 57 | 1 13 | 18 30 | 1 15 | 3 5 | 1 21 | 15 55 | 1 21 | 13 21 | 0 24 | 10 8 | 1 53 | 5 3 | 13 7 | 11 27 | 11 3 | 1 32 | 2 8 | 3 49 |
| S 17 | 23 33 | 13 29 | 5 1 | 18 45 | 4 40 | 19 46 | 1 26 | 18 20 | 1 14 | 3 3 | 1 21 | 15 56 | 1 21 | 13 21 | 0 24 | 10 8 | 1 53 | 5 4 | 13 7 | 11 24 | 11 1 | 1 30 | 2 9 | 3 49 |
| S 18 | 23 32 | 9 40 | 4 40 | 18 42 | 4 41 | 19 35 | 1 39 | 18 9 | 1 14 | 3 1 | 1 21 | 15 57 | 1 22 | 13 21 | 0 24 | 10 8 | 1 53 | 5 4 | 13 7 | 11 21 | 11 0 | 1 28 | 2 9 | 3 49 |
| M19 | 23 31 | 5 17 | 4 2 | 18 42 | 4 41 | 19 24 | 1 53 | 17 58 | 1 13 | 2 58 | 1 20 | 15 58 | 1 22 | 13 20 | 0 24 | 10 8 | 1 53 | 5 4 | 13 7 | 11 19 | 10 59 | 1 26 | 2 9 | 3 49 |
| T 20 | 23 30 | 0 38 | 3 9 | 18 43 | 4 39 | 19 13 | 2 7 | 17 47 | 1 13 | 2 56 | 1 20 | 15 59 | 1 22 | 13 20 | 0 24 | 10 8 | 1 53 | 5 4 | 13 8 | 11 19 | 10 58 | 1 24 | 2 9 | 3 50 |
| W21 | 23 28 | 4n 1 | 2 5 | 18 45 | 4 36 | 19 3 | 2 21 | 17 36 | 1 13 | 2 53 | 1 20 | 15 59 | 1 22 | 13 20 | 0 24 | 10 8 | 1 53 | 5 4 | 13 8 | 11 18 | 10 57 | 1 22 | 2 10 | 3 50 |
| T 22 | 23 25 | 8 25 | 0 53 | 18 49 | 4 31 | 18 52 | 2 35 | 17 24 | 1 12 | 2 50 | 1 20 | 16 0 | 1 22 | 13 20 | 0 24 | 10 7 | 1 53 | 5 4 | 13 8 | 11 18 | 10 56 | 1 20 | 2 10 | 3 50 |
| F 23 | 23 23 | 12 19 | 0s20 | 18 55 | 4 25 | 18 42 | 2 49 | 17 13 | 1 12 | 2 48 | 1 19 | 16 1 | 1 23 | 13 19 | 0 24 | 10 7 | 1 53 | 5 4 | 13 8 | 11 18 | 10 55 | 1 18 | 2 10 | 3 50 |
| S 24 | 23 20 | 15 30 | 1 32 | 19 2 | 4 18 | 18 32 | 3 3 | 17 1 | 1 11 | 2 45 | 1 19 | 16 2 | 1 23 | 13 19 | 0 24 | 10 7 | 1 52 | 5 4 | 13 8 | 11 18 | 10 53 | 1 16 | 2 10 | 3 50 |
| S 25 | 23 16 | 17 47 | 2 37 | 19 10 | 4 10 | 18 22 | 3 17 | 16 50 | 1 11 | 2 42 | 1 19 | 16 3 | 1 23 | 13 19 | 0 24 | 10 7 | 1 52 | 5 4 | 13 8 | 11 17 | 10 52 | 1 14 | 2 10 | 3 50 |
| M26 | 23 12 | 19 3 | 3 33 | 19 20 | 4 0 | 18 13 | 3 32 | 16 38 | 1 10 | 2 39 | 1 19 | 16 5 | 1 23 | 13 19 | 0 24 | 10 7 | 1 52 | 5 4 | 13 9 | 11 15 | 10 51 | 1 12 | 2 10 | 3 51 |
| T 27 | 23 8 | 19 15 | 4 16 | 19 31 | 3 50 | 18 4 | 3 46 | 16 26 | 1 10 | 2 36 | 1 19 | 16 6 | 1 23 | 13 18 | 0 24 | 10 7 | 1 52 | 5 4 | 13 9 | 11 12 | 10 50 | 1 10 | 2 10 | 3 51 |
| W28 | 23 3 | 18 25 | 4 46 | 19 43 | 3 39 | 17 55 | 3 59 | 16 14 | 1 9 | 2 33 | 1 18 | 16 7 | 1 23 | 13 18 | 0 24 | 10 7 | 1 52 | 5 5 | 13 9 | 11 8 | 10 49 | 1 8 | 2 10 | 3 51 |
| T 29 | 22 58 | 16 41 | 5 0 | 19 56 | 3 28 | 17 47 | 4 13 | 16 2 | 1 9 | 2 30 | 1 18 | 16 8 | 1 24 | 13 18 | 0 24 | 10 7 | 1 52 | 5 5 | 13 9 | 11 3 | 10 48 | 1 6 | 2 10 | 3 51 |
| F 30 | 22n53 | 14n11 | 4s59 | 20n10 | 3s15 | 17n39 | 4s26 | 15n49 | 1n 8 | 2n27 | 1n18 | 16s 9 | 1s24 | 13s18 | 0n24 | 10s 7 | 1n52 | 5n 5 | 13s 9 | 10s59 | 10s47 | 1n 4 | 2n10 | 3n51 |

Julian Day Number = 2137228.5, Delta T = 15m46s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'31, Lahiri = 11°51'32 Julian Calendar 1 June 1139 == Greg. Calendar 8 June 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## JULY 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 59 21 | 14♋17'26 | 17♌39 | 24♊46 | 19°R31 | 21♌ 3 | 26♍58 | 20°R 7 | 6°R17 | 0°R59 | 19♉48 | 28°R17 | 27♎51 | 20♍ 5 | 26°R35 | S 1 |
| S 2 | 19 3 18 | 15°14'42 | 29°45 | 25°29 | 18♋55 | 21°40 | 27° 5 | 20♒ 4 | 6♏16 | 0♏58 | 19°49 | 28♎ 8 | 27°48 | 20°12 | 26♓35 | S 2 |
| M 3 | 19 7 14 | 16°11'58 | 11♍42 | 26°18 | 18°18 | 22°17 | 27°13 | 20° 1 | 6°16 | 0°58 | 19°50 | 28° 1 | 27°45 | 20°19 | 26°35 | M 3 |
| T 4 | 19 11 11 | 17° 9'14 | 23°32 | 27°11 | 17°41 | 22°54 | 27°21 | 19°57 | 6°16 | 0°58 | 19°51 | 27°57 | 27°42 | 20°25 | 26°34 | T 4 |
| W 5 | 19 15 7 | 18° 6'31 | 5♎21 | 28°10 | 17° 3 | 23°32 | 27°28 | 19°54 | 6°15 | 0°58 | 19°52 | 27°55 | 27°38 | 20°32 | 26°34 | W 5 |
| T 6 | 19 19 4 | 19° 3'48 | 17°13 | 29°15 | 16°26 | 24° 9 | 27°36 | 19°50 | 6°15 | 0°58 | 19°52 | 27°D54 | 27°35 | 20°39 | 26°33 | T 6 |
| F 7 | 19 23 0 | 20° 1'06 | 29°14 | 0♋24 | 15°49 | 24°46 | 27°45 | 19°47 | 6°15 | 0°D58 | 19°53 | 27°R54 | 27°32 | 20°45 | 26°32 | F 7 |
| S 8 | 19 26 57 | 20°58'24 | 11♏29 | 1°38 | 15°13 | 25°23 | 27°53 | 19°43 | 6°15 | 0°58 | 19°54 | 27°54 | 27°29 | 20°52 | 26°31 | S 8 |
| S 9 | 19 30 53 | 21°55'43 | 24° 3 | 2°58 | 14°37 | 26° 1 | 28° 1 | 19°39 | 6°D15 | 0°58 | 19°55 | 27°52 | 27°26 | 20°59 | 26°31 | S 9 |
| M10 | 19 34 50 | 22°53'02 | 7♐ 0 | 4°22 | 14° 3 | 26°38 | 28° 9 | 19°36 | 6°15 | 0°58 | 19°55 | 27°47 | 27°23 | 21° 5 | 26°30 | M10 |
| T 11 | 19 38 47 | 23°50'22 | 20°23 | 5°50 | 13°30 | 27°16 | 28°18 | 19°32 | 6°15 | 0°58 | 19°56 | 27°41 | 27°19 | 21°12 | 26°29 | T 11 |
| W12 | 19 42 43 | 24°47'43 | 4♑12 | 7°23 | 12°58 | 27°53 | 28°27 | 19°28 | 6°15 | 0°58 | 19°57 | 27°31 | 27°16 | 21°19 | 26°28 | W12 |
| T 13 | 19 46 40 | 25°45'05 | 18°25 | 9° 1 | 12°28 | 28°30 | 28°35 | 19°24 | 6°15 | 0°59 | 19°57 | 27°21 | 27°13 | 21°26 | 26°27 | T 13 |
| F 14 | 19 50 36 | 26°42'27 | 2♒57 | 10°42 | 11°59 | 29° 8 | 28°44 | 19°20 | 6°16 | 0°59 | 19°58 | 27° 9 | 27°10 | 21°32 | 26°26 | F 14 |
| S 15 | 19 54 33 | 27°39'50 | 17°41 | 12°27 | 11°33 | 29°46 | 28°53 | 19°16 | 6°16 | 0°59 | 19°59 | 26°58 | 27° 7 | 21°39 | 26°25 | S 15 |
| S 16 | 19 58 29 | 28°37'14 | 2♓28 | 14°15 | 11° 9 | 0♍23 | 29° 2 | 19°12 | 6°16 | 0°59 | 19°59 | 26°50 | 27° 3 | 21°46 | 26°24 | S 16 |
| M17 | 20 2 26 | 29°34'40 | 17°11 | 16° 6 | 10°46 | 1° 1 | 29°12 | 19° 8 | 6°17 | 1° 0 | 20° 0 | 26°43 | 27° 0 | 21°52 | 26°23 | M17 |
| T 18 | 20 6 22 | 0♌32'07 | 1♈44 | 18° 0 | 10°26 | 1°38 | 29°21 | 19° 4 | 6°17 | 1° 0 | 20° 0 | 26°40 | 26°57 | 21°59 | 26°21 | T 18 |
| W19 | 20 10 19 | 1°29'35 | 16° 3 | 19°56 | 10° 9 | 2°16 | 29°30 | 18°59 | 6°17 | 1° 0 | 20° 1 | 26°38 | 26°54 | 22° 6 | 26°20 | W19 |
| T 20 | 20 14 16 | 2°27'04 | 0♉ 5 | 21°55 | 9°53 | 2°54 | 29°40 | 18°55 | 6°18 | 1° 1 | 20° 1 | 26°38 | 26°51 | 22°12 | 26°19 | T 20 |
| F 21 | 20 18 12 | 3°24'35 | 13°51 | 23°55 | 9°40 | 3°32 | 29°49 | 18°51 | 6°19 | 1° 1 | 20° 2 | 26°38 | 26°48 | 22°19 | 26°17 | F 21 |
| S 22 | 20 22 9 | 4°22'08 | 27°22 | 25°56 | 9°30 | 4°10 | 29°59 | 18°47 | 6°19 | 1° 2 | 20° 2 | 26°37 | 26°44 | 22°26 | 26°16 | S 22 |
| S 23 | 20 26 5 | 5°19'42 | 10♊38 | 27°58 | 9°21 | 4°47 | 0♎ 9 | 18°42 | 6°20 | 1° 2 | 20° 3 | 26°33 | 26°41 | 22°32 | 26°15 | S 23 |
| M24 | 20 30 2 | 6°17'17 | 23°42 | 0♌ 1 | 9°16 | 5°25 | 0°19 | 18°38 | 6°21 | 1° 3 | 20° 3 | 26°26 | 26°38 | 22°39 | 26°13 | M24 |
| T 25 | 20 33 58 | 7°14'54 | 6♋33 | 2° 4 | 9°12 | 6° 3 | 0°29 | 18°34 | 6°21 | 1° 3 | 20° 4 | 26°17 | 26°35 | 22°46 | 26°12 | T 25 |
| W26 | 20 37 55 | 8°12'32 | 19°13 | 4° 7 | 9°D11 | 6°41 | 0°39 | 18°29 | 6°22 | 1° 4 | 20° 4 | 26° 6 | 26°32 | 22°52 | 26°10 | W26 |
| T 27 | 20 41 51 | 9°10'12 | 1♌43 | 6° 9 | 9°12 | 7°19 | 0°49 | 18°25 | 6°23 | 1° 4 | 20° 5 | 25°53 | 26°29 | 22°59 | 26° 8 | T 27 |
| F 28 | 20 45 48 | 10° 7'53 | 14° 1 | 8°12 | 9°16 | 7°58 | 0°59 | 18°20 | 6°24 | 1° 5 | 20° 5 | 25°40 | 26°25 | 23° 6 | 26° 7 | F 28 |
| S 29 | 20 49 45 | 11° 5'35 | 26° 9 | 10°13 | 9°22 | 8°36 | 1° 9 | 18°16 | 6°25 | 1° 6 | 20° 5 | 25°28 | 26°22 | 23°12 | 26° 5 | S 29 |
| S 30 | 20 53 41 | 12° 3'19 | 8♍ 8 | 12°14 | 9°30 | 9°14 | 1°20 | 18°11 | 6°26 | 1° 6 | 20° 6 | 25°18 | 26°19 | 23°19 | 26° 3 | S 30 |
| M31 | 20 57 38 | 13♌ 1'04 | 20♍ 1 | 14♌14 | 9♋40 | 9♍52 | 1♎30 | 18♒ 7 | 6♏27 | 1♏ 7 | 20♉ 6 | 25♎10 | 26♎16 | 23♍26 | 26♓ 1 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n47 | 11n 6 | 4s45 | 20n24 | 3s 2 | 17n31 | 4s39 | 15n37 | 1n 8 | 2n24 | 1n18 | 16s10 | 1s24 | 13s18 | 0n24 | 10s 7 | 1n52 | 5n 5 | 13s 9 | 10s55 | 10s45 | 1n 2 | 2n10 | 3n51 |
| S 2 | 22 40 | 7 36 | 4 17 | 20 39 | 2 49 | 17 23 | 4 52 | 15 25 | 1 8 | 2 21 | 1 17 | 16 11 | 1 24 | 13 18 | 0 24 | 10 7 | 1 52 | 5 5 | 13 10 | 10 52 | 10 44 | 1 1 | 2 10 | 3 51 |
| M 3 | 22 34 | 3 50 | 3 39 | 20 55 | 2 35 | 17 16 | 5 4 | 15 12 | 1 7 | 2 18 | 1 17 | 16 13 | 1 24 | 13 18 | 0 24 | 10 7 | 1 52 | 5 5 | 13 10 | 10 49 | 10 43 | 0 59 | 2 10 | 3 52 |
| T 4 | 22 27 | 0s 3 | 2 51 | 21 10 | 2 21 | 17 10 | 5 15 | 14 59 | 1 7 | 2 14 | 1 17 | 16 14 | 1 24 | 13 18 | 0 24 | 10 7 | 1 52 | 5 5 | 13 10 | 10 47 | 10 42 | 0 57 | 2 10 | 3 52 |
| W 5 | 22 19 | 3 55 | 1 57 | 21 25 | 2 7 | 17 4 | 5 26 | 14 47 | 1 6 | 2 11 | 1 17 | 16 15 | 1 25 | 13 18 | 0 24 | 10 7 | 1 52 | 5 5 | 13 10 | 10 47 | 10 41 | 0 55 | 2 10 | 3 52 |
| T 6 | 22 11 | 7 40 | 0 56 | 21 40 | 1 53 | 16 58 | 5 37 | 14 34 | 1 6 | 2 8 | 1 17 | 16 16 | 1 25 | 13 17 | 0 24 | 10 7 | 1 52 | 5 5 | 13 10 | 10 47 | 10 40 | 0 53 | 2 10 | 3 52 |
| F 7 | 22 3 | 11 8 | 0n 7 | 21 55 | 1 38 | 16 52 | 5 46 | 14 21 | 1 5 | 2 4 | 1 16 | 16 18 | 1 25 | 13 17 | 0 24 | 10 7 | 1 52 | 5 5 | 13 11 | 10 47 | 10 39 | 0 51 | 2 10 | 3 52 |
| S 8 | 21 54 | 14 13 | 1 11 | 22 8 | 1 24 | 16 47 | 5 55 | 14 8 | 1 5 | 2 1 | 1 16 | 16 19 | 1 25 | 13 17 | 0 24 | 10 7 | 1 52 | 5 5 | 13 11 | 10 46 | 10 37 | 0 49 | 2 10 | 3 52 |
| S 9 | 21 45 | 16 42 | 2 14 | 22 21 | 1 9 | 16 43 | 6 4 | 13 55 | 1 4 | 1 57 | 1 16 | 16 20 | 1 25 | 13 17 | 0 24 | 10 7 | 1 52 | 5 5 | 13 11 | 10 46 | 10 36 | 0 47 | 2 10 | 3 52 |
| M10 | 21 36 | 18 26 | 3 11 | 22 33 | 0 55 | 16 39 | 6 11 | 13 41 | 1 4 | 1 54 | 1 16 | 16 22 | 1 25 | 13 18 | 0 24 | 10 7 | 1 52 | 5 5 | 13 11 | 10 44 | 10 35 | 0 45 | 2 9 | 3 53 |
| T 11 | 21 26 | 19 12 | 4 0 | 22 44 | 0 41 | 16 35 | 6 18 | 13 28 | 1 3 | 1 50 | 1 16 | 16 23 | 1 26 | 13 18 | 0 24 | 10 7 | 1 51 | 5 5 | 13 11 | 10 42 | 10 34 | 0 43 | 2 9 | 3 53 |
| W12 | 21 16 | 18 53 | 4 36 | 22 53 | 0 28 | 16 32 | 6 25 | 13 15 | 1 3 | 1 46 | 1 15 | 16 24 | 1 26 | 13 18 | 0 24 | 10 7 | 1 51 | 5 5 | 13 12 | 10 38 | 10 33 | 0 41 | 2 9 | 3 53 |
| T 13 | 21 5 | 17 22 | 4 57 | 23 0 | 0 14 | 16 29 | 6 30 | 13 1 | 1 2 | 1 43 | 1 15 | 16 26 | 1 26 | 13 18 | 0 24 | 10 8 | 1 51 | 5 5 | 13 12 | 10 34 | 10 32 | 0 39 | 2 9 | 3 53 |
| F 14 | 20 55 | 14 44 | 4 59 | 23 5 | 0 2 | 16 27 | 6 35 | 12 48 | 1 2 | 1 39 | 1 15 | 16 27 | 1 26 | 13 18 | 0 24 | 10 8 | 1 51 | 5 5 | 13 12 | 10 30 | 10 31 | 0 37 | 2 8 | 3 53 |
| S 15 | 20 43 | 11 8 | 4 41 | 23 8 | 0n11 | 16 25 | 6 39 | 12 34 | 1 1 | 1 35 | 1 15 | 16 28 | 1 26 | 13 18 | 0 24 | 10 8 | 1 51 | 5 4 | 13 12 | 10 26 | 10 29 | 0 35 | 2 8 | 3 53 |
| S 16 | 20 32 | 6 50 | 4 5 | 23 9 | 0 22 | 16 24 | 6 42 | 12 20 | 1 1 | 1 32 | 1 15 | 16 30 | 1 26 | 13 18 | 0 24 | 10 8 | 1 51 | 5 4 | 13 13 | 10 23 | 10 28 | 0 33 | 2 8 | 3 53 |
| M17 | 20 20 | 2 8 | 3 12 | 23 8 | 0 34 | 16 23 | 6 45 | 12 6 | 1 0 | 1 28 | 1 15 | 16 31 | 1 26 | 13 18 | 0 23 | 10 8 | 1 51 | 5 4 | 13 13 | 10 21 | 10 27 | 0 31 | 2 7 | 3 54 |
| T 18 | 20 8 | 2n39 | 2 8 | 23 3 | 0 44 | 16 23 | 6 47 | 11 52 | 1 0 | 1 24 | 1 14 | 16 33 | 1 27 | 13 18 | 0 23 | 10 8 | 1 51 | 5 4 | 13 13 | 10 20 | 10 26 | 0 29 | 2 7 | 3 54 |
| W19 | 19 55 | 7 12 | 0 56 | 22 57 | 0 54 | 16 23 | 6 48 | 11 38 | 0 59 | 1 20 | 1 14 | 16 34 | 1 27 | 13 19 | 0 23 | 10 9 | 1 51 | 5 4 | 13 13 | 10 19 | 10 25 | 0 27 | 2 7 | 3 54 |
| T 20 | 19 42 | 11 16 | 0s18 | 22 47 | 1 2 | 16 23 | 6 49 | 11 24 | 0 59 | 1 16 | 1 14 | 16 36 | 1 27 | 13 19 | 0 23 | 10 9 | 1 51 | 5 4 | 13 13 | 10 19 | 10 24 | 0 25 | 2 6 | 3 54 |
| F 21 | 19 29 | 14 38 | 1 30 | 22 35 | 1 10 | 16 24 | 6 49 | 11 10 | 0 59 | 1 12 | 1 14 | 16 37 | 1 27 | 13 19 | 0 23 | 10 9 | 1 51 | 5 4 | 13 14 | 10 19 | 10 23 | 0 23 | 2 6 | 3 54 |
| S 22 | 19 15 | 17 9 | 2 35 | 22 20 | 1 18 | 16 25 | 6 48 | 10 56 | 0 58 | 1 8 | 1 14 | 16 39 | 1 27 | 13 19 | 0 23 | 10 9 | 1 51 | 5 4 | 13 14 | 10 19 | 10 21 | 0 21 | 2 5 | 3 54 |
| S 23 | 19 1 | 18 40 | 3 30 | 22 2 | 1 24 | 16 27 | 6 47 | 10 41 | 0 58 | 1 4 | 1 13 | 16 40 | 1 27 | 13 20 | 0 23 | 10 9 | 1 51 | 5 4 | 13 14 | 10 17 | 10 20 | 0 19 | 2 5 | 3 54 |
| M24 | 18 47 | 19 10 | 4 14 | 21 42 | 1 30 | 16 29 | 6 46 | 10 27 | 0 57 | 1 0 | 1 13 | 16 42 | 1 27 | 13 20 | 0 23 | 10 10 | 1 51 | 5 4 | 13 14 | 10 15 | 10 19 | 0 17 | 2 4 | 3 54 |
| T 25 | 18 33 | 18 40 | 4 44 | 21 19 | 1 34 | 16 31 | 6 44 | 10 12 | 0 57 | 0 56 | 1 13 | 16 43 | 1 27 | 13 20 | 0 23 | 10 10 | 1 51 | 5 4 | 13 15 | 10 11 | 10 18 | 0 15 | 2 4 | 3 54 |
| W26 | 18 18 | 17 14 | 4 59 | 20 54 | 1 38 | 16 33 | 6 42 | 9 58 | 0 56 | 0 51 | 1 13 | 16 44 | 1 27 | 13 20 | 0 23 | 10 10 | 1 51 | 5 3 | 13 15 | 10 7 | 10 17 | 0 13 | 2 3 | 3 55 |
| T 27 | 18 3 | 15 0 | 4 59 | 20 27 | 1 41 | 16 36 | 6 39 | 9 43 | 0 56 | 0 47 | 1 13 | 16 46 | 1 28 | 13 21 | 0 23 | 10 10 | 1 50 | 5 3 | 13 15 | 10 3 | 10 16 | 0 11 | 2 3 | 3 55 |
| F 28 | 17 47 | 12 8 | 4 46 | 19 58 | 1 44 | 16 39 | 6 36 | 9 28 | 0 55 | 0 43 | 1 13 | 16 47 | 1 28 | 13 21 | 0 23 | 10 11 | 1 50 | 5 3 | 13 15 | 9 58 | 10 14 | 0 9 | 2 2 | 3 55 |
| S 29 | 17 31 | 8 47 | 4 20 | 19 27 | 1 45 | 16 42 | 6 32 | 9 14 | 0 55 | 0 39 | 1 13 | 16 49 | 1 28 | 13 21 | 0 23 | 10 11 | 1 50 | 5 3 | 13 16 | 9 53 | 10 13 | 0 7 | 2 2 | 3 55 |
| S 30 | 17 15 | 5 7 | 3 42 | 18 54 | 1 46 | 16 45 | 6 28 | 8 59 | 0 54 | 0 35 | 1 12 | 16 50 | 1 28 | 13 22 | 0 23 | 10 11 | 1 50 | 5 3 | 13 16 | 9 50 | 10 12 | 0 5 | 2 1 | 3 55 |
| M31 | 16n59 | 1n18 | 2s55 | 18n20 | 1n46 | 16n49 | 6s24 | 8n44 | 0n54 | 0n30 | 1n12 | 16s52 | 1s28 | 13s22 | 0n23 | 10s12 | 1n50 | 5n 3 | 13s16 | 9s47 | 10s11 | 0n 3 | 2n 0 | 3n55 |

Julian Day Number = 2137258.5, Delta T = 15m46s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'36, Lahiri = 11°51'36 Julian Calendar 1 July 1139 == Greg. Calendar 8 July 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## AUGUST 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 1 34 | 13♌58'50 | 1♎48 | 16♌13 | 9♋52 | 10♍30 | 1♎41 | 18°R 2 | 6♏28 | 1♏ 8 | 20♉ 6 | 25°R 5 | 26♎13 | 23♍32 | 25°R59 | T 1 |
| W 2 | 21 5 31 | 14°56'37 | 13°36 | 18°10 | 10° 6 | 11° 9 | 1°51 | 17♒58 | 6°30 | 1° 9 | 20° 7 | 25♎ 3 | 26° 9 | 23°39 | 25♓58 | W 2 |
| T 3 | 21 9 27 | 15°54'25 | 25°26 | 20° 7 | 10°22 | 11°47 | 2° 2 | 17°53 | 6°31 | 1°10 | 20° 7 | 25°D 2 | 26° 6 | 23°46 | 25°56 | T 3 |
| F 4 | 21 13 24 | 16°52'15 | 7♏25 | 22° 2 | 10°40 | 12°25 | 2°13 | 17°49 | 6°32 | 1°10 | 20° 7 | 25° 2 | 26° 3 | 23°52 | 25°54 | F 4 |
| S 5 | 21 17 20 | 17°50'06 | 19°38 | 23°56 | 11° 0 | 13° 4 | 2°24 | 17°44 | 6°33 | 1°11 | 20° 7 | 25°R 3 | 26° 0 | 23°59 | 25°52 | S 5 |
| S 6 | 21 21 17 | 18°47'59 | 2♐10 | 25°49 | 11°22 | 13°42 | 2°35 | 17°39 | 6°35 | 1°12 | 20° 7 | 25° 2 | 25°57 | 24° 6 | 25°50 | S 6 |
| M 7 | 21 25 14 | 19°45'53 | 15° 5 | 27°40 | 11°45 | 14°21 | 2°46 | 17°35 | 6°36 | 1°13 | 20° 8 | 24°59 | 25°54 | 24°12 | 25°48 | M 7 |
| T 8 | 21 29 10 | 20°43'48 | 28°29 | 29°30 | 12°10 | 14°59 | 2°57 | 17°30 | 6°38 | 1°14 | 20° 8 | 24°54 | 25°50 | 24°19 | 25°45 | T 8 |
| W 9 | 21 33 7 | 21°41'44 | 12♑21 | 1♍19 | 12°37 | 15°38 | 3° 8 | 17°26 | 6°39 | 1°15 | 20° 8 | 24°47 | 25°47 | 24°26 | 25°43 | W 9 |
| T 10 | 21 37 3 | 22°39'42 | 26°41 | 3° 6 | 13° 5 | 16°16 | 3°19 | 17°21 | 6°41 | 1°16 | 20° 8 | 24°38 | 25°44 | 24°32 | 25°41 | T 10 |
| F 11 | 21 41 0 | 23°37'41 | 11♒25 | 4°52 | 13°35 | 16°55 | 3°31 | 17°17 | 6°43 | 1°17 | 20° 8 | 24°29 | 25°41 | 24°39 | 25°39 | F 11 |
| S 12 | 21 44 56 | 24°35'42 | 26°26 | 6°37 | 14° 7 | 17°34 | 3°42 | 17°12 | 6°44 | 1°19 | 20° 8 | 24°20 | 25°38 | 24°46 | 25°37 | S 12 |
| S 13 | 21 48 53 | 25°33'45 | 11♓33 | 8°21 | 14°39 | 18°13 | 3°53 | 17° 8 | 6°46 | 1°20 | 20° 8 | 24°13 | 25°35 | 24°52 | 25°34 | S 13 |
| M14 | 21 52 49 | 26°31'49 | 26°37 | 10° 3 | 15°13 | 18°51 | 4° 5 | 17° 3 | 6°48 | 1°21 | 20°R 8 | 24° 8 | 25°31 | 24°59 | 25°32 | M14 |
| T 15 | 21 56 46 | 27°29'55 | 11♈29 | 11°44 | 15°49 | 19°30 | 4°16 | 16°59 | 6°50 | 1°22 | 20° 8 | 24° 5 | 25°28 | 25° 6 | 25°30 | T 15 |
| W16 | 22 0 42 | 28°28'04 | 26° 4 | 13°24 | 16°25 | 20° 9 | 4°28 | 16°54 | 6°51 | 1°23 | 20° 8 | 24°D 4 | 25°25 | 25°12 | 25°27 | W16 |
| T 17 | 22 4 39 | 29°26'14 | 10♉17 | 15° 3 | 17° 3 | 20°48 | 4°40 | 16°50 | 6°53 | 1°25 | 20° 8 | 24° 5 | 25°22 | 25°19 | 25°25 | T 17 |
| F 18 | 22 8 36 | 0♍24'26 | 24° 7 | 16°40 | 17°42 | 21°27 | 4°51 | 16°46 | 6°55 | 1°26 | 20° 8 | 24°R 6 | 25°19 | 25°26 | 25°22 | F 18 |
| S 19 | 22 12 32 | 1°22'41 | 7♊36 | 18°17 | 18°23 | 22° 6 | 5° 3 | 16°41 | 6°57 | 1°27 | 20° 8 | 24° 6 | 25°15 | 25°32 | 25°20 | S 19 |
| S 20 | 22 16 29 | 2°20'58 | 20°45 | 19°52 | 19° 4 | 22°45 | 5°15 | 16°37 | 6°59 | 1°28 | 20° 8 | 24° 4 | 25°12 | 25°39 | 25°17 | S 20 |
| M21 | 22 20 25 | 3°19'16 | 3♋37 | 21°26 | 19°46 | 23°24 | 5°27 | 16°33 | 7° 1 | 1°30 | 20° 8 | 24° 0 | 25° 9 | 25°46 | 25°15 | M21 |
| T 22 | 22 24 22 | 4°17'37 | 16°14 | 22°59 | 20°29 | 24° 3 | 5°39 | 16°29 | 7° 4 | 1°31 | 20° 7 | 23°54 | 25° 6 | 25°52 | 25°12 | T 22 |
| W23 | 22 28 18 | 5°16'00 | 28°39 | 24°30 | 21°14 | 24°42 | 5°51 | 16°24 | 7° 6 | 1°33 | 20° 7 | 23°47 | 25° 3 | 25°59 | 25°10 | W23 |
| T 24 | 22 32 15 | 6°14'25 | 10♌54 | 26° 1 | 21°59 | 25°22 | 6° 3 | 16°20 | 7° 8 | 1°34 | 20° 7 | 23°38 | 25° 0 | 26° 6 | 25° 7 | T 24 |
| F 25 | 22 36 11 | 7°12'52 | 23° 0 | 27°30 | 22°45 | 26° 1 | 6°15 | 16°16 | 7°10 | 1°35 | 20° 7 | 23°29 | 24°56 | 26°12 | 25° 5 | F 25 |
| S 26 | 22 40 8 | 8°11'21 | 4♍58 | 28°59 | 23°32 | 26°40 | 6°27 | 16°12 | 7°13 | 1°37 | 20° 7 | 23°21 | 24°53 | 26°19 | 25° 2 | S 26 |
| S 27 | 22 44 5 | 9° 9'52 | 16°51 | 0♎26 | 24°20 | 27°20 | 6°40 | 16° 8 | 7°15 | 1°38 | 20° 6 | 23°14 | 24°50 | 26°26 | 24°59 | S 27 |
| M28 | 22 48 1 | 10° 8'25 | 28°40 | 1°51 | 25° 9 | 27°59 | 6°52 | 16° 4 | 7°17 | 1°40 | 20° 6 | 23° 9 | 24°47 | 26°32 | 24°57 | M28 |
| T 29 | 22 51 58 | 11° 6'59 | 10♎26 | 3°16 | 25°58 | 28°39 | 7° 4 | 16° 0 | 7°20 | 1°42 | 20° 6 | 23° 6 | 24°44 | 26°39 | 24°54 | T 29 |
| W30 | 22 55 54 | 12° 5'36 | 22°14 | 4°40 | 26°48 | 29°18 | 7°17 | 15°56 | 7°22 | 1°43 | 20° 5 | 23°D 5 | 24°40 | 26°46 | 24°51 | W30 |
| T 31 | 22 59 51 | 13♍ 4'14 | 4♏ 6 | 6♎ 2 | 27♋39 | 29♍58 | 7♎29 | 15♒52 | 7♏25 | 1♏45 | 20♉ 5 | 23♎ 6 | 24♎37 | 26♍52 | 24♓49 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n42 | 2s34 | 2s 0 | 17n44 | 1n46 | 16n52 | 6s20 | 8n29 | 0n53 | 0n26 | 1n12 | 16s53 | 1s28 | 13s23 | 0n23 | 10s12 | 1n50 | 5n 3 | 13s16 | 9s45 | 10s10 | 0n 1 | 2n 0 | 3n55 |
| W 2 | 16 26 | 6 19 | 1 1 | 17 7 | 1 45 | 16 56 | 6 15 | 8 14 | 0 53 | 0 21 | 1 12 | 16 55 | 1 28 | 13 23 | 0 23 | 10 12 | 1 50 | 5 2 | 13 17 | 9 44 | 10 9 | 0s 1 | 1 59 | 3 55 |
| T 3 | 16 8 | 9 51 | 0n 2 | 16 28 | 1 43 | 16 59 | 6 10 | 7 59 | 0 52 | 0 17 | 1 12 | 16 56 | 1 28 | 13 23 | 0 23 | 10 13 | 1 50 | 5 2 | 13 17 | 9 44 | 10 8 | 0 3 | 1 58 | 3 55 |
| F 4 | 15 51 | 13 1 | 1 6 | 15 49 | 1 41 | 17 3 | 6 5 | 7 44 | 0 52 | 0 13 | 1 12 | 16 58 | 1 28 | 13 24 | 0 23 | 10 13 | 1 50 | 5 2 | 13 17 | 9 44 | 10 6 | 0 4 | 1 58 | 3 55 |
| S 5 | 15 33 | 15 41 | 2 7 | 15 9 | 1 38 | 17 7 | 6 0 | 7 28 | 0 51 | 0 8 | 1 11 | 16 59 | 1 28 | 13 24 | 0 23 | 10 13 | 1 50 | 5 2 | 13 17 | 9 44 | 10 5 | 0 6 | 1 57 | 3 56 |
| S 6 | 15 15 | 17 40 | 3 5 | 14 28 | 1 35 | 17 11 | 5 54 | 7 13 | 0 51 | 0 4 | 1 11 | 17 1 | 1 28 | 13 25 | 0 23 | 10 14 | 1 50 | 5 2 | 13 18 | 9 44 | 10 4 | 0 8 | 1 56 | 3 56 |
| M 7 | 14 57 | 18 50 | 3 54 | 13 46 | 1 31 | 17 14 | 5 48 | 6 58 | 0 50 | 0s 1 | 1 11 | 17 2 | 1 29 | 13 25 | 0 23 | 10 14 | 1 50 | 5 1 | 13 18 | 9 43 | 10 3 | 0 10 | 1 55 | 3 56 |
| T 8 | 14 39 | 18 59 | 4 33 | 13 4 | 1 27 | 17 18 | 5 43 | 6 42 | 0 50 | 0 5 | 1 11 | 17 4 | 1 29 | 13 26 | 0 23 | 10 15 | 1 50 | 5 1 | 13 18 | 9 41 | 10 2 | 0 12 | 1 55 | 3 56 |
| W 9 | 14 20 | 18 2 | 4 57 | 12 21 | 1 23 | 17 22 | 5 37 | 6 27 | 0 49 | 0 10 | 1 11 | 17 5 | 1 29 | 13 26 | 0 23 | 10 15 | 1 50 | 5 1 | 13 18 | 9 38 | 10 1 | 0 14 | 1 54 | 3 56 |
| T 10 | 14 1 | 15 56 | 5 4 | 11 37 | 1 18 | 17 25 | 5 30 | 6 11 | 0 49 | 0 15 | 1 11 | 17 7 | 1 29 | 13 27 | 0 23 | 10 15 | 1 50 | 5 1 | 13 19 | 9 35 | 9 59 | 0 16 | 1 53 | 3 56 |
| F 11 | 13 42 | 12 46 | 4 51 | 10 54 | 1 13 | 17 29 | 5 24 | 5 56 | 0 48 | 0 19 | 1 11 | 17 8 | 1 29 | 13 28 | 0 23 | 10 16 | 1 50 | 5 1 | 13 19 | 9 32 | 9 58 | 0 18 | 1 52 | 3 56 |
| S 12 | 13 23 | 8 43 | 4 19 | 10 10 | 1 7 | 17 32 | 5 18 | 5 40 | 0 48 | 0 24 | 1 11 | 17 10 | 1 29 | 13 28 | 0 23 | 10 16 | 1 50 | 5 0 | 13 19 | 9 28 | 9 57 | 0 20 | 1 51 | 3 56 |
| S 13 | 13 3 | 4 4 | 3 27 | 9 26 | 1 2 | 17 35 | 5 11 | 5 24 | 0 47 | 0 29 | 1 10 | 17 11 | 1 29 | 13 29 | 0 23 | 10 17 | 1 49 | 5 0 | 13 19 | 9 26 | 9 56 | 0 22 | 1 50 | 3 56 |
| M14 | 12 44 | 0n49 | 2 22 | 8 41 | 0 56 | 17 38 | 5 5 | 5 9 | 0 47 | 0 33 | 1 10 | 17 12 | 1 29 | 13 29 | 0 23 | 10 17 | 1 49 | 5 0 | 13 20 | 9 24 | 9 55 | 0 24 | 1 50 | 3 56 |
| T 15 | 12 24 | 5 36 | 1 7 | 7 57 | 0 49 | 17 40 | 4 58 | 4 53 | 0 46 | 0 38 | 1 10 | 17 14 | 1 29 | 13 30 | 0 23 | 10 18 | 1 49 | 5 0 | 13 20 | 9 23 | 9 54 | 0 26 | 1 49 | 3 56 |
| W16 | 12 4 | 9 57 | 0s11 | 7 13 | 0 43 | 17 42 | 4 52 | 4 37 | 0 46 | 0 43 | 1 10 | 17 15 | 1 29 | 13 31 | 0 23 | 10 18 | 1 49 | 4 59 | 13 20 | 9 23 | 9 52 | 0 28 | 1 48 | 3 56 |
| T 17 | 11 43 | 13 36 | 1 26 | 6 28 | 0 36 | 17 45 | 4 45 | 4 21 | 0 45 | 0 48 | 1 10 | 17 17 | 1 29 | 13 31 | 0 23 | 10 19 | 1 49 | 4 59 | 13 20 | 9 23 | 9 51 | 0 30 | 1 47 | 3 56 |
| F 18 | 11 23 | 16 24 | 2 34 | 5 44 | 0 29 | 17 46 | 4 38 | 4 5 | 0 45 | 0 52 | 1 10 | 17 18 | 1 29 | 13 32 | 0 23 | 10 19 | 1 49 | 4 59 | 13 20 | 9 23 | 9 50 | 0 32 | 1 46 | 3 56 |
| S 19 | 11 2 | 18 11 | 3 32 | 5 0 | 0 22 | 17 48 | 4 31 | 3 49 | 0 44 | 0 57 | 1 10 | 17 19 | 1 29 | 13 33 | 0 23 | 10 20 | 1 49 | 4 59 | 13 21 | 9 23 | 9 49 | 0 34 | 1 45 | 3 56 |
| S 20 | 10 41 | 18 57 | 4 17 | 4 16 | 0 15 | 17 49 | 4 25 | 3 33 | 0 44 | 1 2 | 1 10 | 17 21 | 1 29 | 13 33 | 0 23 | 10 20 | 1 49 | 4 58 | 13 21 | 9 23 | 9 48 | 0 36 | 1 44 | 3 56 |
| M21 | 10 20 | 18 42 | 4 48 | 3 32 | 0 7 | 17 50 | 4 18 | 3 17 | 0 43 | 1 7 | 1 10 | 17 22 | 1 29 | 13 34 | 0 22 | 10 21 | 1 49 | 4 58 | 13 21 | 9 21 | 9 47 | 0 38 | 1 43 | 3 56 |
| T 22 | 9 59 | 17 31 | 5 5 | 2 48 | 0s 0 | 17 51 | 4 11 | 3 1 | 0 43 | 1 12 | 1 9 | 17 23 | 1 29 | 13 35 | 0 22 | 10 21 | 1 49 | 4 58 | 13 21 | 9 19 | 9 45 | 0 40 | 1 42 | 3 56 |
| W23 | 9 37 | 15 31 | 5 6 | 2 5 | 0 8 | 17 51 | 4 4 | 2 45 | 0 42 | 1 16 | 1 9 | 17 25 | 1 29 | 13 35 | 0 22 | 10 22 | 1 49 | 4 58 | 13 22 | 9 16 | 9 44 | 0 42 | 1 41 | 3 56 |
| T 24 | 9 16 | 12 52 | 4 54 | 1 21 | 0 15 | 17 51 | 3 57 | 2 29 | 0 41 | 1 21 | 1 9 | 17 26 | 1 29 | 13 36 | 0 22 | 10 22 | 1 49 | 4 57 | 13 22 | 9 13 | 9 43 | 0 44 | 1 40 | 3 56 |
| F 25 | 8 54 | 9 41 | 4 28 | 0 39 | 0 23 | 17 50 | 3 50 | 2 13 | 0 41 | 1 26 | 1 9 | 17 27 | 1 29 | 13 37 | 0 22 | 10 23 | 1 49 | 4 57 | 13 22 | 9 10 | 9 42 | 0 45 | 1 39 | 3 56 |
| S 26 | 8 32 | 6 9 | 3 51 | 0s 4 | 0 31 | 17 49 | 3 43 | 1 57 | 0 40 | 1 31 | 1 9 | 17 28 | 1 29 | 13 38 | 0 22 | 10 23 | 1 49 | 4 57 | 13 22 | 9 7 | 9 41 | 0 47 | 1 38 | 3 56 |
| S 27 | 8 10 | 2 24 | 3 4 | 0 46 | 0 39 | 17 48 | 3 36 | 1 41 | 0 40 | 1 36 | 1 9 | 17 30 | 1 29 | 13 39 | 0 22 | 10 24 | 1 49 | 4 56 | 13 23 | 9 4 | 9 40 | 0 49 | 1 37 | 3 56 |
| M28 | 7 48 | 1s26 | 2 9 | 1 27 | 0 47 | 17 46 | 3 30 | 1 24 | 0 39 | 1 41 | 1 9 | 17 31 | 1 29 | 13 39 | 0 22 | 10 24 | 1 49 | 4 56 | 13 23 | 9 2 | 9 38 | 0 51 | 1 36 | 3 56 |
| T 29 | 7 26 | 5 12 | 1 8 | 2 9 | 0 55 | 17 44 | 3 23 | 1 8 | 0 39 | 1 46 | 1 9 | 17 32 | 1 29 | 13 40 | 0 22 | 10 25 | 1 49 | 4 56 | 13 23 | 9 1 | 9 37 | 0 53 | 1 35 | 3 56 |
| W30 | 7 3 | 8 46 | 0 5 | 2 49 | 1 3 | 17 41 | 3 16 | 0 52 | 0 38 | 1 51 | 1 9 | 17 33 | 1 29 | 13 41 | 0 22 | 10 26 | 1 49 | 4 56 | 13 23 | 9 1 | 9 36 | 0 55 | 1 34 | 3 56 |
| T 31 | 6n41 | 12s 0 | 1n 0 | 3s29 | 1s11 | 17n38 | 3s 9 | 0n36 | 0n38 | 1s56 | 1n 9 | 17s34 | 1s29 | 13s42 | 0n22 | 10s26 | 1n49 | 4n55 | 13s24 | 9s 1 | 9s35 | 0s57 | 1n33 | 3n56 |

Julian Day Number = 2137289.5, Delta T = 15m46s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'40, Lahiri = 11°51'40 Julian Calendar 1 Aug. 1139 == Greg. Calendar 8 Aug. 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## SEPTEMBER 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 3 47 | 14♍ 2'54 | 16♏ 6 | 7♎23 | 28♋31 | 0♎37 | 7♎41 | 15°R49 | 7♏27 | 1♏46 | 20°R 5 | 23♎ 7 | 24♎34 | 26♍59 | 24°R46 | F 1 |
| S 2 | 23 7 44 | 15° 1'36 | 28°19 | 8°42 | 29°23 | 1°17 | 7°54 | 15♒45 | 7°30 | 1°48 | 20♉ 4 | 23° 9 | 24°31 | 27° 5 | 24♓43 | S 2 |
| S 3 | 23 11 40 | 16° 0'20 | 10♐48 | 10° 0 | 0♌16 | 1°57 | 8° 6 | 15°41 | 7°33 | 1°50 | 20° 4 | 23°R10 | 24°28 | 27°12 | 24°41 | S 3 |
| M 4 | 23 15 37 | 16°59'05 | 23°40 | 11°17 | 1°10 | 2°36 | 8°19 | 15°38 | 7°35 | 1°51 | 20° 4 | 23°10 | 24°25 | 27°19 | 24°38 | M 4 |
| T 5 | 23 19 34 | 17°57'52 | 6♑57 | 12°33 | 2° 4 | 3°16 | 8°32 | 15°34 | 7°38 | 1°53 | 20° 3 | 23° 8 | 24°21 | 27°25 | 24°35 | T 5 |
| W 6 | 23 23 30 | 18°56'41 | 20°42 | 13°46 | 2°59 | 3°56 | 8°44 | 15°31 | 7°41 | 1°55 | 20° 3 | 23° 5 | 24°18 | 27°32 | 24°32 | W 6 |
| T 7 | 23 27 27 | 19°55'32 | 4♒57 | 14°58 | 3°54 | 4°36 | 8°57 | 15°28 | 7°43 | 1°57 | 20° 2 | 23° 1 | 24°15 | 27°39 | 24°30 | T 7 |
| F 8 | 23 31 23 | 20°54'24 | 19°37 | 16° 9 | 4°50 | 5°16 | 9°10 | 15°24 | 7°46 | 1°59 | 20° 2 | 22°56 | 24°12 | 27°45 | 24°27 | F 8 |
| S 9 | 23 35 20 | 21°53'19 | 4♓38 | 17°17 | 5°46 | 5°56 | 9°22 | 15°21 | 7°49 | 2° 0 | 20° 1 | 22°52 | 24° 9 | 27°52 | 24°24 | S 9 |
| S 10 | 23 39 16 | 22°52'15 | 19°51 | 18°23 | 6°43 | 6°36 | 9°35 | 15°18 | 7°52 | 2° 2 | 20° 1 | 22°48 | 24° 6 | 27°59 | 24°21 | S 10 |
| M11 | 23 43 13 | 23°51'13 | 5♈ 6 | 19°28 | 7°41 | 7°16 | 9°48 | 15°15 | 7°55 | 2° 4 | 20° 0 | 22°46 | 24° 2 | 28° 5 | 24°18 | M11 |
| T 12 | 23 47 9 | 24°50'14 | 20°13 | 20°30 | 8°39 | 7°56 | 10° 1 | 15°12 | 7°58 | 2° 6 | 20° 0 | 22°D45 | 23°59 | 28°12 | 24°16 | T 12 |
| W13 | 23 51 6 | 25°49'16 | 5♉ 3 | 21°29 | 9°37 | 8°36 | 10°13 | 15° 9 | 8° 1 | 2° 8 | 19°59 | 22°45 | 23°56 | 28°19 | 24°13 | W13 |
| T 14 | 23 55 2 | 26°48'21 | 19°31 | 22°26 | 10°36 | 9°16 | 10°26 | 15° 6 | 8° 4 | 2°10 | 19°58 | 22°46 | 23°53 | 28°25 | 24°10 | T 14 |
| F 15 | 23 58 59 | 27°47'29 | 3♊33 | 23°20 | 11°36 | 9°56 | 10°39 | 15° 4 | 8° 7 | 2°12 | 19°58 | 22°48 | 23°50 | 28°32 | 24° 7 | F 15 |
| S 16 | 0 2 56 | 28°46'38 | 17° 9 | 24°10 | 12°35 | 10°37 | 10°52 | 15° 1 | 8°10 | 2°13 | 19°57 | 22°49 | 23°46 | 28°39 | 24° 5 | S 16 |
| S 17 | 0 6 52 | 29°45'51 | 0♋21 | 24°58 | 13°36 | 11°17 | 11° 5 | 14°58 | 8°13 | 2°15 | 19°56 | 22°R49 | 23°43 | 28°45 | 24° 2 | S 17 |
| M18 | 0 10 49 | 0♎45'05 | 13°11 | 25°41 | 14°36 | 11°57 | 11°18 | 14°56 | 8°16 | 2°17 | 19°56 | 22°49 | 23°40 | 28°52 | 23°59 | M18 |
| T 19 | 0 14 45 | 1°44'22 | 25°42 | 26°21 | 15°37 | 12°38 | 11°31 | 14°53 | 8°19 | 2°19 | 19°55 | 22°47 | 23°37 | 28°59 | 23°56 | T 19 |
| W20 | 0 18 42 | 2°43'41 | 7♌58 | 26°55 | 16°39 | 13°18 | 11°44 | 14°51 | 8°22 | 2°21 | 19°54 | 22°45 | 23°34 | 29° 5 | 23°54 | W20 |
| T 21 | 0 22 38 | 3°43'03 | 20° 3 | 27°25 | 17°41 | 13°59 | 11°57 | 14°49 | 8°26 | 2°23 | 19°54 | 22°42 | 23°31 | 29°12 | 23°51 | T 21 |
| F 22 | 0 26 35 | 4°42'26 | 2♍ 0 | 27°50 | 18°43 | 14°39 | 12°10 | 14°47 | 8°29 | 2°25 | 19°53 | 22°39 | 23°27 | 29°19 | 23°48 | F 22 |
| S 23 | 0 30 31 | 5°41'52 | 13°52 | 28° 9 | 19°45 | 15°20 | 12°23 | 14°45 | 8°32 | 2°27 | 19°52 | 22°36 | 23°24 | 29°25 | 23°45 | S 23 |
| S 24 | 0 34 28 | 6°41'20 | 25°41 | 28°21 | 20°48 | 16° 1 | 12°36 | 14°43 | 8°35 | 2°30 | 19°51 | 22°34 | 23°21 | 29°32 | 23°43 | S 24 |
| M25 | 0 38 25 | 7°40'51 | 7♎29 | 28°R26 | 21°52 | 16°41 | 12°49 | 14°41 | 8°39 | 2°32 | 19°51 | 22°32 | 23°18 | 29°39 | 23°40 | M25 |
| T 26 | 0 42 21 | 8°40'23 | 19°18 | 28°24 | 22°55 | 17°22 | 13° 2 | 14°39 | 8°42 | 2°34 | 19°50 | 22°D32 | 23°15 | 29°45 | 23°37 | T 26 |
| W27 | 0 46 18 | 9°39'57 | 1♏11 | 28°15 | 23°59 | 18° 3 | 13°15 | 14°38 | 8°45 | 2°36 | 19°49 | 22°32 | 23°11 | 29°52 | 23°35 | W27 |
| T 28 | 0 50 14 | 10°39'34 | 13° 9 | 27°57 | 25° 3 | 18°44 | 13°28 | 14°36 | 8°49 | 2°38 | 19°48 | 22°33 | 23° 8 | 29°59 | 23°32 | T 28 |
| F 29 | 0 54 11 | 11°39'12 | 25°16 | 27°30 | 26° 8 | 19°25 | 13°41 | 14°35 | 8°52 | 2°40 | 19°47 | 22°34 | 23° 5 | 0♎ 5 | 23°30 | F 29 |
| S 30 | 0 58 7 | 12♎38'52 | 7♐35 | 26♎55 | 27♌12 | 20♎ 6 | 13♎54 | 14♒33 | 8♏56 | 2♏42 | 19♉46 | 22♎35 | 23♎ 2 | 0♎12 | 23♓27 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n18 | 14s47 | 2n 2 | 4s 9 | 1s19 | 17n35 | 3s 2 | 0n19 | 0n37 | 2s 1 | 1n 8 | 17s35 | 1s29 | 13s43 | 0n22 | 10s27 | 1n49 | 4n55 | 13s24 | 9s 1 | 9s34 | 0s59 | 1n32 | 3n56 |
| S 2 | 5 56 | 16 57 | 3 0 | 4 48 | 1 27 | 17 31 | 2 55 | 0 3 | 0 37 | 2 6 | 1 8 | 17 37 | 1 29 | 13 44 | 0 22 | 10 27 | 1 49 | 4 55 | 13 24 | 9 2 | 9 33 | 1 1 | 1 30 | 3 56 |
| S 3 | 5 33 | 18 21 | 3 51 | 5 26 | 1 34 | 17 26 | 2 49 | 0s13 | 0 36 | 2 11 | 1 8 | 17 38 | 1 29 | 13 44 | 0 22 | 10 28 | 1 48 | 4 54 | 13 24 | 9 2 | 9 31 | 1 3 | 1 29 | 3 56 |
| M 4 | 5 10 | 18 52 | 4 32 | 6 3 | 1 42 | 17 22 | 2 42 | 0 30 | 0 36 | 2 16 | 1 8 | 17 39 | 1 29 | 13 45 | 0 22 | 10 29 | 1 48 | 4 54 | 13 24 | 9 2 | 9 30 | 1 5 | 1 28 | 3 56 |
| T 5 | 4 47 | 18 22 | 5 0 | 6 40 | 1 50 | 17 16 | 2 35 | 0 46 | 0 35 | 2 21 | 1 8 | 17 40 | 1 29 | 13 46 | 0 22 | 10 29 | 1 48 | 4 54 | 13 25 | 9 2 | 9 29 | 1 7 | 1 27 | 3 56 |
| W 6 | 4 24 | 16 48 | 5 12 | 7 16 | 1 58 | 17 11 | 2 28 | 1 2 | 0 35 | 2 26 | 1 8 | 17 41 | 1 29 | 13 47 | 0 22 | 10 30 | 1 48 | 4 53 | 13 25 | 9 1 | 9 28 | 1 9 | 1 26 | 3 56 |
| T 7 | 4 0 | 14 10 | 5 6 | 7 51 | 2 5 | 17 4 | 2 22 | 1 19 | 0 34 | 2 31 | 1 8 | 17 42 | 1 29 | 13 48 | 0 22 | 10 31 | 1 48 | 4 53 | 13 25 | 8 59 | 9 27 | 1 11 | 1 25 | 3 56 |
| F 8 | 3 37 | 10 34 | 4 40 | 8 25 | 2 12 | 16 57 | 2 15 | 1 35 | 0 34 | 2 36 | 1 8 | 17 43 | 1 29 | 13 49 | 0 22 | 10 31 | 1 48 | 4 53 | 13 25 | 8 57 | 9 26 | 1 13 | 1 24 | 3 56 |
| S 9 | 3 14 | 6 14 | 3 54 | 8 58 | 2 20 | 16 50 | 2 9 | 1 52 | 0 33 | 2 41 | 1 8 | 17 44 | 1 29 | 13 50 | 0 22 | 10 32 | 1 48 | 4 52 | 13 26 | 8 56 | 9 24 | 1 14 | 1 23 | 3 56 |
| S 10 | 2 51 | 1 25 | 2 51 | 9 30 | 2 27 | 16 42 | 2 2 | 2 8 | 0 32 | 2 47 | 1 8 | 17 45 | 1 29 | 13 51 | 0 22 | 10 33 | 1 48 | 4 52 | 13 26 | 8 54 | 9 23 | 1 16 | 1 21 | 3 56 |
| M11 | 2 27 | 3n30 | 1 35 | 10 1 | 2 34 | 16 34 | 1 56 | 2 24 | 0 32 | 2 52 | 1 8 | 17 45 | 1 29 | 13 52 | 0 22 | 10 33 | 1 48 | 4 52 | 13 26 | 8 54 | 9 22 | 1 18 | 1 20 | 3 56 |
| T 12 | 2 4 | 8 9 | 0 14 | 10 31 | 2 40 | 16 25 | 1 49 | 2 41 | 0 31 | 2 57 | 1 8 | 17 46 | 1 29 | 13 53 | 0 22 | 10 34 | 1 48 | 4 51 | 13 26 | 8 53 | 9 21 | 1 20 | 1 19 | 3 56 |
| W13 | 1 40 | 12 13 | 1s 7 | 10 59 | 2 46 | 16 16 | 1 43 | 2 57 | 0 31 | 3 2 | 1 8 | 17 47 | 1 29 | 13 54 | 0 22 | 10 35 | 1 48 | 4 51 | 13 26 | 8 53 | 9 20 | 1 22 | 1 18 | 3 56 |
| T 14 | 1 17 | 15 25 | 2 22 | 11 26 | 2 52 | 16 6 | 1 37 | 3 14 | 0 30 | 3 7 | 1 8 | 17 48 | 1 29 | 13 55 | 0 22 | 10 35 | 1 48 | 4 51 | 13 27 | 8 54 | 9 18 | 1 24 | 1 17 | 3 56 |
| F 15 | 0 53 | 17 35 | 3 26 | 11 51 | 2 58 | 15 56 | 1 30 | 3 30 | 0 30 | 3 12 | 1 8 | 17 49 | 1 29 | 13 56 | 0 22 | 10 36 | 1 48 | 4 50 | 13 27 | 8 54 | 9 17 | 1 26 | 1 16 | 3 56 |
| S 16 | 0 29 | 18 40 | 4 17 | 12 15 | 3 3 | 15 45 | 1 24 | 3 46 | 0 29 | 3 17 | 1 7 | 17 49 | 1 29 | 13 57 | 0 22 | 10 37 | 1 48 | 4 50 | 13 27 | 8 55 | 9 16 | 1 28 | 1 14 | 3 56 |
| S 17 | 0 6 | 18 41 | 4 52 | 12 37 | 3 8 | 15 34 | 1 18 | 4 3 | 0 29 | 3 22 | 1 7 | 17 50 | 1 29 | 13 58 | 0 22 | 10 37 | 1 48 | 4 50 | 13 27 | 8 55 | 9 15 | 1 30 | 1 13 | 3 56 |
| M18 | 0s18 | 17 44 | 5 11 | 12 57 | 3 12 | 15 23 | 1 12 | 4 19 | 0 28 | 3 27 | 1 7 | 17 51 | 1 29 | 13 59 | 0 22 | 10 38 | 1 48 | 4 49 | 13 27 | 8 55 | 9 14 | 1 32 | 1 12 | 3 55 |
| T 19 | 0 42 | 15 56 | 5 15 | 13 15 | 3 16 | 15 10 | 1 6 | 4 35 | 0 28 | 3 33 | 1 7 | 17 52 | 1 29 | 14 0 | 0 22 | 10 39 | 1 48 | 4 49 | 13 28 | 8 54 | 9 13 | 1 34 | 1 11 | 3 55 |
| W20 | 1 5 | 13 27 | 5 4 | 13 31 | 3 19 | 14 58 | 1 0 | 4 52 | 0 27 | 3 38 | 1 7 | 17 52 | 1 29 | 14 1 | 0 22 | 10 40 | 1 48 | 4 49 | 13 28 | 8 53 | 9 11 | 1 36 | 1 10 | 3 55 |
| T 21 | 1 29 | 10 26 | 4 40 | 13 44 | 3 22 | 14 44 | 0 55 | 5 8 | 0 26 | 3 43 | 1 7 | 17 53 | 1 29 | 14 2 | 0 22 | 10 40 | 1 48 | 4 48 | 13 28 | 8 52 | 9 10 | 1 38 | 1 9 | 3 55 |
| F 22 | 1 53 | 7 0 | 4 4 | 13 54 | 3 23 | 14 31 | 0 49 | 5 24 | 0 26 | 3 48 | 1 7 | 17 53 | 1 29 | 14 3 | 0 22 | 10 41 | 1 48 | 4 48 | 13 28 | 8 51 | 9 9 | 1 40 | 1 7 | 3 55 |
| S 23 | 2 16 | 3 20 | 3 18 | 14 2 | 3 24 | 14 17 | 0 43 | 5 41 | 0 25 | 3 53 | 1 7 | 17 54 | 1 29 | 14 4 | 0 22 | 10 42 | 1 48 | 4 47 | 13 28 | 8 50 | 9 8 | 1 41 | 1 6 | 3 55 |
| S 24 | 2 40 | 0s28 | 2 23 | 14 6 | 3 23 | 14 2 | 0 37 | 5 57 | 0 25 | 3 58 | 1 7 | 17 54 | 1 29 | 14 5 | 0 22 | 10 42 | 1 48 | 4 47 | 13 28 | 8 49 | 9 7 | 1 43 | 1 5 | 3 55 |
| M25 | 3 4 | 4 15 | 1 23 | 14 7 | 3 22 | 13 47 | 0 32 | 6 13 | 0 24 | 4 3 | 1 7 | 17 55 | 1 29 | 14 6 | 0 22 | 10 43 | 1 48 | 4 47 | 13 29 | 8 49 | 9 6 | 1 45 | 1 4 | 3 55 |
| T 26 | 3 27 | 7 52 | 0 18 | 14 3 | 3 19 | 13 31 | 0 27 | 6 29 | 0 24 | 4 8 | 1 7 | 17 55 | 1 29 | 14 7 | 0 22 | 10 44 | 1 48 | 4 46 | 13 29 | 8 48 | 9 4 | 1 47 | 1 3 | 3 55 |
| W27 | 3 51 | 11 11 | 0n48 | 13 56 | 3 15 | 13 15 | 0 21 | 6 45 | 0 23 | 4 14 | 1 7 | 17 56 | 1 29 | 14 9 | 0 22 | 10 45 | 1 48 | 4 46 | 13 29 | 8 48 | 9 3 | 1 49 | 1 2 | 3 55 |
| T 28 | 4 14 | 14 5 | 1 52 | 13 45 | 3 10 | 12 59 | 0 16 | 7 2 | 0 22 | 4 19 | 1 7 | 17 56 | 1 28 | 14 10 | 0 22 | 10 45 | 1 48 | 4 46 | 13 29 | 8 49 | 9 2 | 1 51 | 1 0 | 3 54 |
| F 29 | 4 38 | 16 23 | 2 52 | 13 28 | 3 3 | 12 42 | 0 11 | 7 18 | 0 22 | 4 24 | 1 7 | 17 57 | 1 28 | 14 11 | 0 22 | 10 46 | 1 48 | 4 45 | 13 29 | 8 49 | 9 1 | 1 53 | 0 59 | 3 54 |
| S 30 | 5s 1 | 17s58 | 3n45 | 13s 7 | 2s54 | 12n25 | 0s 6 | 7s34 | 0n21 | 4s29 | 1n 7 | 17s57 | 1s28 | 14s12 | 0n22 | 10s47 | 1n48 | 4n45 | 13s29 | 8s49 | 9s 0 | 1s55 | 0n58 | 3n54 |

Julian Day Number = 2137320.5, Delta T = 15m45s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'44, Lahiri = 11°51'44 Julian Calendar 1 Sept. 1139 == Greg. Calendar 8 Sept. 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## OCTOBER 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 2 4 | 13♎38'34 | 20♐ 8 | 26°R11 | 28♌17 | 20♎47 | 14♎ 7 | 14°R32 | 8♏59 | 2♏44 | 19°R46 | 22♎36 | 22♎59 | 0♎19 | 23°R24 | S 1 |
| M 2 | 1 6 0 | 14°38'18 | 2♑59 | 25♎19 | 29°23 | 21°28 | 14°21 | 14♒31 | 9° 3 | 2°46 | 19♉45 | 22°36 | 22°56 | 0°25 | 23♓22 | M 2 |
| T 3 | 1 9 57 | 15°38'03 | 16°11 | 24°20 | 0♍28 | 22° 9 | 14°34 | 14°30 | 9° 6 | 2°49 | 19°44 | 22°R36 | 22°52 | 0°32 | 23°19 | T 3 |
| W 4 | 1 13 54 | 16°37'51 | 29°47 | 23°13 | 1°34 | 22°50 | 14°47 | 14°29 | 9°10 | 2°51 | 19°43 | 22°36 | 22°49 | 0°39 | 23°17 | W 4 |
| T 5 | 1 17 50 | 17°37'40 | 13♒48 | 22° 2 | 2°40 | 23°31 | 15° 0 | 14°28 | 9°13 | 2°53 | 19°42 | 22°36 | 22°46 | 0°45 | 23°14 | T 5 |
| F 6 | 1 21 47 | 18°37'30 | 28°13 | 20°47 | 3°47 | 24°13 | 15°13 | 14°27 | 9°17 | 2°55 | 19°41 | 22°35 | 22°43 | 0°52 | 23°12 | F 6 |
| S 7 | 1 25 43 | 19°37'23 | 12♓58 | 19°30 | 4°53 | 24°54 | 15°26 | 14°27 | 9°20 | 2°57 | 19°40 | 22°35 | 22°40 | 0°59 | 23°10 | S 7 |
| S 8 | 1 29 40 | 20°37'17 | 28° 0 | 18°15 | 6° 0 | 25°35 | 15°39 | 14°26 | 9°24 | 3° 0 | 19°39 | 22°35 | 22°37 | 1° 5 | 23° 7 | S 8 |
| M 9 | 1 33 36 | 21°37'13 | 13♈ 8 | 17° 3 | 7° 7 | 26°17 | 15°52 | 14°25 | 9°27 | 3° 2 | 19°38 | 22°35 | 22°33 | 1°12 | 23° 5 | M 9 |
| T 10 | 1 37 33 | 22°37'10 | 28°15 | 15°57 | 8°14 | 26°58 | 16° 5 | 14°25 | 9°31 | 3° 4 | 19°37 | 22°35 | 22°30 | 1°18 | 23° 2 | T 10 |
| W11 | 1 41 29 | 23°37'10 | 13♉12 | 14°58 | 9°22 | 27°40 | 16°18 | 14°25 | 9°35 | 3° 6 | 19°36 | 22°35 | 22°27 | 1°25 | 23° 0 | W11 |
| T 12 | 1 45 26 | 24°37'12 | 27°49 | 14° 8 | 10°30 | 28°21 | 16°31 | 14°25 | 9°38 | 3° 8 | 19°35 | 22°35 | 22°24 | 1°32 | 22°58 | T 12 |
| F 13 | 1 49 22 | 25°37'16 | 12♊ 3 | 13°29 | 11°38 | 29° 3 | 16°44 | 14°D25 | 9°42 | 3°11 | 19°34 | 22°34 | 22°21 | 1°38 | 22°56 | F 13 |
| S 14 | 1 53 19 | 26°37'23 | 25°49 | 13° 1 | 12°46 | 29°44 | 16°57 | 14°25 | 9°45 | 3°13 | 19°33 | 22°34 | 22°17 | 1°45 | 22°53 | S 14 |
| S 15 | 1 57 16 | 27°37'31 | 9♋ 9 | 12°44 | 13°54 | 0♏26 | 17°10 | 14°25 | 9°49 | 3°15 | 19°32 | 22°33 | 22°14 | 1°52 | 22°51 | S 15 |
| M16 | 2 1 12 | 28°37'41 | 22° 3 | 12°D39 | 15° 3 | 1° 8 | 17°23 | 14°25 | 9°53 | 3°17 | 19°31 | 22°33 | 22°11 | 1°58 | 22°49 | M16 |
| T 17 | 2 5 9 | 29°37'54 | 4♌36 | 12°46 | 16°11 | 1°50 | 17°36 | 14°26 | 9°56 | 3°20 | 19°30 | 22°D33 | 22° 8 | 2° 5 | 22°47 | T 17 |
| W18 | 2 9 5 | 0♏38'09 | 16°51 | 13° 3 | 17°20 | 2°32 | 17°49 | 14°26 | 10° 0 | 3°22 | 19°29 | 22°34 | 22° 5 | 2°12 | 22°45 | W18 |
| T 19 | 2 13 2 | 1°38'25 | 28°52 | 13°30 | 18°29 | 3°13 | 18° 2 | 14°27 | 10° 4 | 3°24 | 19°28 | 22°34 | 22° 2 | 2°18 | 22°43 | T 19 |
| F 20 | 2 16 58 | 2°38'44 | 10♍45 | 14° 6 | 19°39 | 3°55 | 18°15 | 14°27 | 10° 8 | 3°26 | 19°27 | 22°35 | 21°58 | 2°25 | 22°41 | F 20 |
| S 21 | 2 20 55 | 3°39'04 | 22°33 | 14°50 | 20°48 | 4°37 | 18°28 | 14°28 | 10°11 | 3°29 | 19°26 | 22°36 | 21°55 | 2°32 | 22°39 | S 21 |
| S 22 | 2 24 51 | 4°39'27 | 4♎20 | 15°41 | 21°58 | 5°19 | 18°41 | 14°29 | 10°15 | 3°31 | 19°25 | 22°37 | 21°52 | 2°38 | 22°37 | S 22 |
| M23 | 2 28 48 | 5°39'51 | 16°10 | 16°39 | 23° 7 | 6° 2 | 18°54 | 14°30 | 10°19 | 3°33 | 19°23 | 22°38 | 21°49 | 2°45 | 22°35 | M23 |
| T 24 | 2 32 45 | 6°40'18 | 28° 5 | 17°43 | 24°17 | 6°44 | 19° 7 | 14°31 | 10°22 | 3°35 | 19°22 | 22°R38 | 21°46 | 2°52 | 22°34 | T 24 |
| W25 | 2 36 41 | 7°40'46 | 10♏ 7 | 18°51 | 25°27 | 7°26 | 19°19 | 14°32 | 10°26 | 3°38 | 19°21 | 22°37 | 21°43 | 2°58 | 22°32 | W25 |
| T 26 | 2 40 38 | 8°41'15 | 22°18 | 20° 4 | 26°38 | 8° 8 | 19°32 | 14°34 | 10°30 | 3°40 | 19°20 | 22°36 | 21°39 | 3° 5 | 22°30 | T 26 |
| F 27 | 2 44 34 | 9°41'46 | 4♐39 | 21°20 | 27°48 | 8°50 | 19°45 | 14°35 | 10°34 | 3°42 | 19°19 | 22°33 | 21°36 | 3°12 | 22°28 | F 27 |
| S 28 | 2 48 31 | 10°42'19 | 17°13 | 22°40 | 28°58 | 9°33 | 19°58 | 14°37 | 10°37 | 3°44 | 19°18 | 22°31 | 21°33 | 3°18 | 22°27 | S 28 |
| S 29 | 2 52 27 | 11°42'54 | 29°59 | 24° 2 | 0♎ 9 | 10°15 | 20°10 | 14°38 | 10°41 | 3°47 | 19°17 | 22°28 | 21°30 | 3°25 | 22°25 | S 29 |
| M30 | 2 56 24 | 12°43'29 | 12♑59 | 25°26 | 1°20 | 10°58 | 20°23 | 14°40 | 10°45 | 3°49 | 19°16 | 22°25 | 21°27 | 3°32 | 22°24 | M30 |
| T 31 | 3 0 20 | 13♏44'06 | 26♑15 | 26♎52 | 2♎31 | 11♏40 | 20♎35 | 14♒42 | 10♏48 | 3♏51 | 19♉15 | 22♎23 | 21♎23 | 3♎38 | 22♓22 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s24 | 18s43 | 4n28 | 12s41 | 2s43 | 12n 7 | 0s 1 | 7s50 | 0n21 | 4s34 | 1n 7 | 17s57 | 1s28 | 14s13 | 0n22 | 10s48 | 1n48 | 4n45 | 13s29 | 8s50 | 8s58 | 1s57 | 0n57 | 3n54 |
| M 2 | 5 48 | 18 31 | 5 0 | 12 10 | 2 31 | 11 49 | 0n 4 | 8 6 | 0 20 | 4 39 | 1 7 | 17 58 | 1 28 | 14 14 | 0 22 | 10 48 | 1 48 | 4 44 | 13 30 | 8 50 | 8 57 | 1 59 | 0 56 | 3 54 |
| T 3 | 6 11 | 17 20 | 5 16 | 11 35 | 2 16 | 11 30 | 0 9 | 8 22 | 0 20 | 4 44 | 1 7 | 17 58 | 1 28 | 14 15 | 0 22 | 10 49 | 1 48 | 4 44 | 13 30 | 8 50 | 8 56 | 2 1 | 0 55 | 3 54 |
| W 4 | 6 34 | 15 9 | 5 15 | 10 55 | 2 0 | 11 11 | 0 14 | 8 38 | 0 19 | 4 49 | 1 7 | 17 58 | 1 28 | 14 16 | 0 22 | 10 50 | 1 48 | 4 44 | 13 30 | 8 50 | 8 55 | 2 2 | 0 54 | 3 54 |
| T 5 | 6 57 | 12 1 | 4 57 | 10 12 | 1 43 | 10 51 | 0 19 | 8 53 | 0 18 | 4 54 | 1 7 | 17 58 | 1 28 | 14 17 | 0 22 | 10 51 | 1 48 | 4 43 | 13 30 | 8 50 | 8 54 | 2 4 | 0 52 | 3 53 |
| F 6 | 7 20 | 8 6 | 4 19 | 9 26 | 1 24 | 10 32 | 0 23 | 9 9 | 0 18 | 4 59 | 1 7 | 17 58 | 1 28 | 14 19 | 0 22 | 10 51 | 1 48 | 4 43 | 13 30 | 8 50 | 8 52 | 2 6 | 0 51 | 3 53 |
| S 7 | 7 43 | 3 36 | 3 23 | 8 39 | 1 4 | 10 11 | 0 28 | 9 25 | 0 17 | 5 5 | 1 7 | 17 58 | 1 28 | 14 20 | 0 22 | 10 52 | 1 47 | 4 42 | 13 30 | 8 50 | 8 51 | 2 8 | 0 50 | 3 53 |
| S 8 | 8 5 | 1n14 | 2 13 | 7 51 | 0 43 | 9 51 | 0 32 | 9 41 | 0 17 | 5 10 | 1 7 | 17 59 | 1 28 | 14 21 | 0 22 | 10 53 | 1 47 | 4 42 | 13 30 | 8 49 | 8 50 | 2 10 | 0 49 | 3 53 |
| M 9 | 8 28 | 6 1 | 0 52 | 7 4 | 0 22 | 9 30 | 0 36 | 9 56 | 0 16 | 5 15 | 1 7 | 17 59 | 1 28 | 14 22 | 0 22 | 10 54 | 1 47 | 4 42 | 13 30 | 8 49 | 8 49 | 2 12 | 0 48 | 3 53 |
| T 10 | 8 50 | 10 25 | 0s32 | 6 20 | 0 2 | 9 9 | 0 40 | 10 12 | 0 16 | 5 20 | 1 7 | 17 59 | 1 28 | 14 23 | 0 21 | 10 54 | 1 47 | 4 41 | 13 31 | 8 49 | 8 48 | 2 14 | 0 47 | 3 53 |
| W11 | 9 13 | 14 5 | 1 52 | 5 39 | 0n18 | 8 47 | 0 45 | 10 27 | 0 15 | 5 25 | 1 7 | 17 59 | 1 28 | 14 24 | 0 21 | 10 55 | 1 47 | 4 41 | 13 31 | 8 49 | 8 47 | 2 16 | 0 46 | 3 52 |
| T 12 | 9 35 | 16 47 | 3 4 | 5 2 | 0 37 | 8 25 | 0 49 | 10 43 | 0 14 | 5 30 | 1 7 | 17 59 | 1 28 | 14 26 | 0 21 | 10 56 | 1 47 | 4 41 | 13 31 | 8 49 | 8 45 | 2 18 | 0 45 | 3 52 |
| F 13 | 9 57 | 18 20 | 4 2 | 4 31 | 0 54 | 8 3 | 0 52 | 10 58 | 0 14 | 5 35 | 1 7 | 17 59 | 1 27 | 14 27 | 0 21 | 10 57 | 1 47 | 4 40 | 13 31 | 8 49 | 8 44 | 2 20 | 0 44 | 3 52 |
| S 14 | 10 19 | 18 45 | 4 44 | 4 5 | 1 10 | 7 40 | 0 56 | 11 14 | 0 13 | 5 40 | 1 7 | 17 58 | 1 27 | 14 28 | 0 21 | 10 58 | 1 47 | 4 40 | 13 31 | 8 49 | 8 43 | 2 22 | 0 43 | 3 52 |
| S 15 | 10 41 | 18 5 | 5 9 | 3 46 | 1 24 | 7 17 | 1 0 | 11 29 | 0 13 | 5 45 | 1 7 | 17 58 | 1 27 | 14 29 | 0 21 | 10 58 | 1 47 | 4 40 | 13 31 | 8 49 | 8 42 | 2 23 | 0 42 | 3 52 |
| M16 | 11 2 | 16 30 | 5 18 | 3 33 | 1 36 | 6 54 | 1 3 | 11 44 | 0 12 | 5 50 | 1 7 | 17 58 | 1 27 | 14 30 | 0 21 | 10 59 | 1 47 | 4 39 | 13 31 | 8 49 | 8 41 | 2 25 | 0 41 | 3 51 |
| T 17 | 11 24 | 14 10 | 5 11 | 3 26 | 1 47 | 6 30 | 1 7 | 11 59 | 0 11 | 5 55 | 1 7 | 17 58 | 1 27 | 14 31 | 0 21 | 11 0 | 1 47 | 4 39 | 13 31 | 8 49 | 8 39 | 2 27 | 0 40 | 3 51 |
| W18 | 11 45 | 11 15 | 4 50 | 3 24 | 1 55 | 6 6 | 1 10 | 12 14 | 0 11 | 6 0 | 1 7 | 17 58 | 1 27 | 14 33 | 0 21 | 11 1 | 1 47 | 4 39 | 13 31 | 8 49 | 8 38 | 2 29 | 0 39 | 3 51 |
| T 19 | 12 6 | 7 55 | 4 16 | 3 28 | 2 2 | 5 42 | 1 14 | 12 29 | 0 10 | 6 4 | 1 7 | 17 58 | 1 27 | 14 34 | 0 21 | 11 1 | 1 47 | 4 38 | 13 31 | 8 49 | 8 37 | 2 31 | 0 38 | 3 51 |
| F 20 | 12 27 | 4 18 | 3 32 | 3 37 | 2 8 | 5 18 | 1 17 | 12 44 | 0 10 | 6 9 | 1 7 | 17 57 | 1 27 | 14 35 | 0 21 | 11 2 | 1 47 | 4 38 | 13 31 | 8 50 | 8 36 | 2 33 | 0 37 | 3 51 |
| S 21 | 12 47 | 0 32 | 2 39 | 3 51 | 2 12 | 4 53 | 1 20 | 12 59 | 0 9 | 6 14 | 1 7 | 17 57 | 1 27 | 14 36 | 0 21 | 11 3 | 1 47 | 4 38 | 13 31 | 8 50 | 8 35 | 2 35 | 0 36 | 3 50 |
| S 22 | 13 8 | 3s16 | 1 40 | 4 8 | 2 15 | 4 28 | 1 23 | 13 13 | 0 8 | 6 19 | 1 7 | 17 57 | 1 27 | 14 37 | 0 21 | 11 4 | 1 47 | 4 37 | 13 31 | 8 50 | 8 33 | 2 37 | 0 35 | 3 50 |
| M23 | 13 28 | 6 56 | 0 36 | 4 29 | 2 16 | 4 3 | 1 26 | 13 28 | 0 8 | 6 24 | 1 7 | 17 56 | 1 27 | 14 38 | 0 21 | 11 4 | 1 47 | 4 37 | 13 31 | 8 51 | 8 32 | 2 39 | 0 34 | 3 50 |
| T 24 | 13 48 | 10 22 | 0n30 | 4 53 | 2 17 | 3 38 | 1 28 | 13 42 | 0 7 | 6 29 | 1 7 | 17 56 | 1 27 | 14 40 | 0 21 | 11 5 | 1 47 | 4 37 | 13 31 | 8 51 | 8 31 | 2 40 | 0 33 | 3 50 |
| W25 | 14 8 | 13 25 | 1 35 | 5 20 | 2 16 | 3 12 | 1 31 | 13 57 | 0 7 | 6 34 | 1 7 | 17 55 | 1 26 | 14 41 | 0 21 | 11 6 | 1 47 | 4 36 | 13 31 | 8 50 | 8 30 | 2 42 | 0 32 | 3 50 |
| T 26 | 14 28 | 15 54 | 2 37 | 5 48 | 2 14 | 2 47 | 1 33 | 14 11 | 0 6 | 6 38 | 1 7 | 17 55 | 1 26 | 14 42 | 0 21 | 11 7 | 1 47 | 4 36 | 13 32 | 8 50 | 8 29 | 2 44 | 0 31 | 3 49 |
| F 27 | 14 47 | 17 41 | 3 32 | 6 19 | 2 12 | 2 21 | 1 36 | 14 25 | 0 5 | 6 43 | 1 7 | 17 54 | 1 26 | 14 43 | 0 21 | 11 7 | 1 47 | 4 36 | 13 32 | 8 49 | 8 28 | 2 46 | 0 30 | 3 49 |
| S 28 | 15 6 | 18 39 | 4 18 | 6 52 | 2 9 | 1 55 | 1 38 | 14 40 | 0 5 | 6 48 | 1 7 | 17 54 | 1 26 | 14 44 | 0 21 | 11 8 | 1 47 | 4 36 | 13 32 | 8 48 | 8 26 | 2 48 | 0 30 | 3 49 |
| S 29 | 15 25 | 18 41 | 4 52 | 7 25 | 2 5 | 1 28 | 1 40 | 14 54 | 0 4 | 6 53 | 1 7 | 17 53 | 1 26 | 14 46 | 0 21 | 11 9 | 1 47 | 4 35 | 13 32 | 8 47 | 8 25 | 2 50 | 0 29 | 3 49 |
| M30 | 15 44 | 17 45 | 5 11 | 8 0 | 2 1 | 1 2 | 1 42 | 15 8 | 0 4 | 6 58 | 1 7 | 17 53 | 1 26 | 14 47 | 0 21 | 11 10 | 1 47 | 4 35 | 13 32 | 8 46 | 8 24 | 2 52 | 0 28 | 3 49 |
| T 31 | 16s 2 | 15s51 | 5n15 | 8s35 | 1n57 | 0n36 | 1n44 | 15s21 | 0n 3 | 7s 2 | 1n 7 | 17s52 | 1s26 | 14s48 | 0n21 | 11s10 | 1n47 | 4n35 | 13s32 | 8s45 | 8s23 | 2s54 | 0n27 | 3n48 |

Julian Day Number = 2137350.5, Delta T = 15m45s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'48, Lahiri = 11°51'49 Julian Calendar 1 Oct. 1139 == Greg. Calendar 8 Oct. 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## NOVEMBER 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 4 17 | 14♏44'44 | 9♒48 | 28♎19 | 3♎42 | 12♏23 | 20♎48 | 14♒44 | 10♏52 | 3♏53 | 19°R13 | 22°D22 | 21♎20 | 3♎45 | 22°R21 | W 1 |
| T 2 | 3 8 14 | 15°45'23 | 23°38 | 29°48 | 4°53 | 13° 5 | 21° 0 | 14°46 | 10°56 | 3°56 | 19♉12 | 22♎22 | 21°17 | 3°52 | 22♓19 | T 2 |
| F 3 | 3 12 10 | 16°46'03 | 7♓45 | 1♏18 | 6° 4 | 13°48 | 21°13 | 14°48 | 11° 0 | 3°58 | 19°11 | 22°23 | 21°14 | 3°58 | 22°18 | F 3 |
| S 4 | 3 16 7 | 17°46'45 | 22° 9 | 2°49 | 7°16 | 14°31 | 21°25 | 14°50 | 11° 3 | 4° 0 | 19°10 | 22°25 | 21°11 | 4° 5 | 22°17 | S 4 |
| S 5 | 3 20 3 | 18°47'27 | 6♈46 | 4°20 | 8°27 | 15°13 | 21°38 | 14°53 | 11° 7 | 4° 2 | 19° 9 | 22°26 | 21° 8 | 4°11 | 22°15 | S 5 |
| M 6 | 3 24 0 | 19°48'11 | 21°33 | 5°52 | 9°39 | 15°56 | 21°50 | 14°55 | 11°11 | 4° 4 | 19° 8 | 22°R27 | 21° 4 | 4°18 | 22°14 | M 6 |
| T 7 | 3 27 56 | 20°48'56 | 6♉23 | 7°24 | 10°50 | 16°39 | 22° 2 | 14°58 | 11°14 | 4° 7 | 19° 7 | 22°26 | 21° 1 | 4°25 | 22°13 | T 7 |
| W 8 | 3 31 53 | 21°49'42 | 21° 8 | 8°57 | 12° 2 | 17°22 | 22°15 | 15° 0 | 11°18 | 4° 9 | 19° 5 | 22°24 | 20°58 | 4°31 | 22°12 | W 8 |
| T 9 | 3 35 49 | 22°50'30 | 5♊41 | 10°30 | 13°14 | 18° 5 | 22°27 | 15° 3 | 11°22 | 4°11 | 19° 4 | 22°20 | 20°55 | 4°38 | 22°11 | T 9 |
| F 10 | 3 39 46 | 23°51'19 | 19°55 | 12° 3 | 14°26 | 18°48 | 22°39 | 15° 6 | 11°26 | 4°13 | 19° 3 | 22°16 | 20°52 | 4°45 | 22°10 | F 10 |
| S 11 | 3 43 43 | 24°52'09 | 3♋47 | 13°36 | 15°38 | 19°31 | 22°51 | 15° 9 | 11°29 | 4°15 | 19° 2 | 22°10 | 20°48 | 4°51 | 22° 9 | S 11 |
| S 12 | 3 47 39 | 25°53'00 | 17°12 | 15°10 | 16°50 | 20°14 | 23° 3 | 15°12 | 11°33 | 4°17 | 19° 1 | 22° 5 | 20°45 | 4°58 | 22° 8 | S 12 |
| M13 | 3 51 36 | 26°53'53 | 0♌13 | 16°43 | 18° 3 | 20°57 | 23°15 | 15°15 | 11°36 | 4°19 | 19° 0 | 22° 1 | 20°42 | 5° 5 | 22° 7 | M13 |
| T 14 | 3 55 32 | 27°54'48 | 12°50 | 18°17 | 19°15 | 21°40 | 23°27 | 15°18 | 11°40 | 4°22 | 18°59 | 21°58 | 20°39 | 5°11 | 22° 7 | T 14 |
| W15 | 3 59 29 | 28°55'43 | 25° 7 | 19°51 | 20°27 | 22°23 | 23°39 | 15°21 | 11°44 | 4°24 | 18°58 | 21°D57 | 20°36 | 5°18 | 22° 6 | W15 |
| T 16 | 4 3 25 | 29°56'40 | 7♍ 9 | 21°24 | 21°40 | 23° 7 | 23°51 | 15°25 | 11°47 | 4°26 | 18°56 | 21°57 | 20°33 | 5°25 | 22° 5 | T 16 |
| F 17 | 4 7 22 | 0♐57'39 | 19° 2 | 22°58 | 22°53 | 23°50 | 24° 2 | 15°28 | 11°51 | 4°28 | 18°55 | 21°58 | 20°29 | 5°31 | 22° 5 | F 17 |
| S 18 | 4 11 18 | 1°58'38 | 0♎49 | 24°32 | 24° 5 | 24°33 | 24°14 | 15°32 | 11°54 | 4°30 | 18°54 | 22° 0 | 20°26 | 5°38 | 22° 4 | S 18 |
| S 19 | 4 15 15 | 2°59'39 | 12°37 | 26° 5 | 25°18 | 25°17 | 24°26 | 15°35 | 11°58 | 4°32 | 18°53 | 22° 1 | 20°23 | 5°45 | 22° 4 | S 19 |
| M20 | 4 19 12 | 4° 0'41 | 24°29 | 27°39 | 26°31 | 26° 0 | 24°37 | 15°39 | 12° 2 | 4°34 | 18°52 | 22°R 2 | 20°20 | 5°51 | 22° 3 | M20 |
| T 21 | 4 23 8 | 5° 1'43 | 6♏30 | 29°13 | 27°44 | 26°44 | 24°49 | 15°43 | 12° 5 | 4°36 | 18°51 | 22° 1 | 20°17 | 5°58 | 22° 3 | T 21 |
| W22 | 4 27 5 | 6° 2'47 | 18°43 | 0♐47 | 28°57 | 27°27 | 25° 0 | 15°47 | 12° 9 | 4°38 | 18°50 | 21°57 | 20°14 | 6° 5 | 22° 2 | W22 |
| T 23 | 4 31 1 | 7° 3'52 | 1♐ 9 | 2°21 | 0♏10 | 28°11 | 25°11 | 15°51 | 12°12 | 4°40 | 18°49 | 21°52 | 20°10 | 6°11 | 22° 2 | T 23 |
| F 24 | 4 34 58 | 8° 4'58 | 13°49 | 3°55 | 1°23 | 28°55 | 25°23 | 15°55 | 12°16 | 4°42 | 18°48 | 21°44 | 20° 7 | 6°18 | 22° 2 | F 24 |
| S 25 | 4 38 54 | 9° 6'04 | 26°44 | 5°29 | 2°37 | 29°38 | 25°34 | 15°59 | 12°19 | 4°44 | 18°47 | 21°36 | 20° 4 | 6°24 | 22° 2 | S 25 |
| S 26 | 4 42 51 | 10° 7'11 | 9♑52 | 7° 3 | 3°50 | 0♐22 | 25°45 | 16° 3 | 12°22 | 4°46 | 18°46 | 21°27 | 20° 1 | 6°31 | 22° 2 | S 26 |
| M27 | 4 46 47 | 11° 8'19 | 23°13 | 8°37 | 5° 3 | 1° 6 | 25°56 | 16° 8 | 12°26 | 4°48 | 18°45 | 21°18 | 19°58 | 6°38 | 22°D 2 | M27 |
| T 28 | 4 50 44 | 12° 9'27 | 6♒44 | 10°12 | 6°17 | 1°50 | 26° 7 | 16°12 | 12°29 | 4°50 | 18°44 | 21°11 | 19°54 | 6°44 | 22° 2 | T 28 |
| W29 | 4 54 41 | 13°10'35 | 20°26 | 11°46 | 7°30 | 2°34 | 26°18 | 16°17 | 12°33 | 4°51 | 18°43 | 21° 7 | 19°51 | 6°51 | 22° 2 | W29 |
| T 30 | 4 58 37 | 14♐11'44 | 4♓17 | 13♐21 | 8♏44 | 3♐18 | 26♎29 | 16♒21 | 12♏36 | 4♏53 | 18♉42 | 21♎ 4 | 19♎48 | 6♎58 | 22♓ 2 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s20 | 13s 2 | 5n 1 | 9s11 | 1n52 | 0n 9 | 1n46 | 15s35 | 0n 2 | 7s 7 | 1n 7 | 17s51 | 1s26 | 14s49 | 0n21 | 11s11 | 1n47 | 4n34 | 13s32 | 8s45 | 8s22 | 2s56 | 0n26 | 3n48 |
| T 2 | 16 38 | 9 27 | 4 30 | 9 48 | 1 46 | 0s18 | 1 48 | 15 49 | 0 2 | 7 12 | 1 7 | 17 51 | 1 26 | 14 50 | 0 21 | 11 12 | 1 47 | 4 34 | 13 32 | 8 45 | 8 20 | 2 57 | 0 26 | 3 48 |
| F 3 | 16 55 | 5 16 | 3 42 | 10 25 | 1 41 | 0 44 | 1 50 | 16 2 | 0 1 | 7 16 | 1 8 | 17 50 | 1 26 | 14 51 | 0 21 | 11 13 | 1 48 | 4 34 | 13 32 | 8 45 | 8 19 | 2 59 | 0 25 | 3 48 |
| S 4 | 17 13 | 0 42 | 2 39 | 11 1 | 1 35 | 1 11 | 1 51 | 16 15 | 0 1 | 7 21 | 1 8 | 17 49 | 1 26 | 14 53 | 0 21 | 11 13 | 1 48 | 4 34 | 13 32 | 8 46 | 8 18 | 3 1 | 0 24 | 3 47 |
| S 5 | 17 29 | 4n 0 | 1 25 | 11 38 | 1 28 | 1 38 | 1 53 | 16 29 | 0s 0 | 7 25 | 1 8 | 17 49 | 1 26 | 14 54 | 0 21 | 11 14 | 1 48 | 4 33 | 13 31 | 8 46 | 8 17 | 3 3 | 0 23 | 3 47 |
| M 6 | 17 46 | 8 31 | 0 5 | 12 15 | 1 22 | 2 5 | 1 54 | 16 42 | 0 1 | 7 30 | 1 8 | 17 48 | 1 26 | 14 55 | 0 21 | 11 15 | 1 48 | 4 33 | 13 31 | 8 46 | 8 16 | 3 5 | 0 23 | 3 47 |
| T 7 | 18 2 | 12 31 | 1s16 | 12 51 | 1 15 | 2 32 | 1 55 | 16 55 | 0 1 | 7 34 | 1 8 | 17 47 | 1 25 | 14 56 | 0 21 | 11 16 | 1 48 | 4 33 | 13 31 | 8 46 | 8 14 | 3 7 | 0 22 | 3 47 |
| W 8 | 18 18 | 15 42 | 2 31 | 13 28 | 1 9 | 2 59 | 1 57 | 17 7 | 0 2 | 7 39 | 1 8 | 17 46 | 1 25 | 14 57 | 0 21 | 11 16 | 1 48 | 4 33 | 13 31 | 8 45 | 8 13 | 3 9 | 0 21 | 3 46 |
| T 9 | 18 34 | 17 49 | 3 35 | 14 3 | 1 2 | 3 27 | 1 58 | 17 20 | 0 2 | 7 43 | 1 8 | 17 45 | 1 25 | 14 58 | 0 21 | 11 17 | 1 48 | 4 32 | 13 31 | 8 44 | 8 12 | 3 11 | 0 21 | 3 46 |
| F 10 | 18 49 | 18 46 | 4 24 | 14 39 | 0 55 | 3 54 | 1 59 | 17 33 | 0 3 | 7 48 | 1 8 | 17 44 | 1 25 | 14 59 | 0 21 | 11 18 | 1 48 | 4 32 | 13 31 | 8 42 | 8 11 | 3 12 | 0 20 | 3 46 |
| S 11 | 19 4 | 18 33 | 4 57 | 15 14 | 0 48 | 4 21 | 1 59 | 17 45 | 0 4 | 7 52 | 1 8 | 17 43 | 1 25 | 15 1 | 0 21 | 11 18 | 1 48 | 4 32 | 13 31 | 8 40 | 8 10 | 3 14 | 0 20 | 3 46 |
| S 12 | 19 19 | 17 17 | 5 11 | 15 48 | 0 41 | 4 48 | 2 0 | 17 57 | 0 4 | 7 57 | 1 8 | 17 42 | 1 25 | 15 2 | 0 21 | 11 19 | 1 48 | 4 32 | 13 31 | 8 38 | 8 8 | 3 16 | 0 19 | 3 45 |
| M13 | 19 33 | 15 10 | 5 9 | 16 22 | 0 34 | 5 15 | 2 1 | 18 9 | 0 5 | 8 1 | 1 8 | 17 41 | 1 25 | 15 3 | 0 21 | 11 20 | 1 48 | 4 31 | 13 31 | 8 37 | 8 7 | 3 18 | 0 18 | 3 45 |
| T 14 | 19 47 | 12 22 | 4 52 | 16 55 | 0 27 | 5 42 | 2 1 | 18 21 | 0 6 | 8 6 | 1 8 | 17 40 | 1 25 | 15 4 | 0 21 | 11 20 | 1 48 | 4 31 | 13 31 | 8 36 | 8 6 | 3 20 | 0 18 | 3 45 |
| W15 | 20 1 | 9 6 | 4 22 | 17 27 | 0 20 | 6 9 | 2 2 | 18 33 | 0 6 | 8 10 | 1 8 | 17 39 | 1 25 | 15 5 | 0 21 | 11 21 | 1 48 | 4 31 | 13 31 | 8 35 | 8 5 | 3 22 | 0 17 | 3 45 |
| T 16 | 20 14 | 5 31 | 3 41 | 17 59 | 0 14 | 6 36 | 2 2 | 18 45 | 0 7 | 8 14 | 1 8 | 17 38 | 1 25 | 15 6 | 0 21 | 11 22 | 1 48 | 4 31 | 13 31 | 8 35 | 8 4 | 3 24 | 0 17 | 3 44 |
| F 17 | 20 27 | 1 45 | 2 50 | 18 29 | 0 7 | 7 3 | 2 2 | 18 56 | 0 7 | 8 18 | 1 8 | 17 37 | 1 25 | 15 7 | 0 21 | 11 23 | 1 48 | 4 31 | 13 31 | 8 36 | 8 2 | 3 26 | 0 16 | 3 44 |
| S 18 | 20 39 | 2s 3 | 1 53 | 19 0 | 0s 0 | 7 29 | 2 3 | 19 7 | 0 8 | 8 23 | 1 9 | 17 36 | 1 25 | 15 8 | 0 21 | 11 23 | 1 48 | 4 30 | 13 31 | 8 36 | 8 1 | 3 27 | 0 16 | 3 44 |
| S 19 | 20 51 | 5 47 | 0 51 | 19 29 | 0 7 | 7 56 | 2 3 | 19 19 | 0 9 | 8 27 | 1 9 | 17 35 | 1 25 | 15 10 | 0 21 | 11 24 | 1 48 | 4 30 | 13 31 | 8 37 | 8 0 | 3 29 | 0 15 | 3 44 |
| M20 | 21 3 | 9 20 | 0n13 | 19 57 | 0 14 | 8 22 | 2 3 | 19 30 | 0 9 | 8 31 | 1 9 | 17 34 | 1 25 | 15 11 | 0 21 | 11 24 | 1 48 | 4 30 | 13 30 | 8 37 | 7 59 | 3 31 | 0 15 | 3 43 |
| T 21 | 21 14 | 12 31 | 1 18 | 20 24 | 0 20 | 8 49 | 2 2 | 19 40 | 0 10 | 8 35 | 1 9 | 17 32 | 1 24 | 15 12 | 0 21 | 11 25 | 1 48 | 4 30 | 13 30 | 8 37 | 7 58 | 3 33 | 0 15 | 3 43 |
| W22 | 21 25 | 15 14 | 2 20 | 20 51 | 0 27 | 9 15 | 2 2 | 19 51 | 0 11 | 8 39 | 1 9 | 17 31 | 1 24 | 15 13 | 0 21 | 11 26 | 1 48 | 4 30 | 13 30 | 8 35 | 7 56 | 3 35 | 0 14 | 3 43 |
| T 23 | 21 35 | 17 17 | 3 16 | 21 16 | 0 33 | 9 41 | 2 2 | 20 2 | 0 11 | 8 43 | 1 9 | 17 30 | 1 24 | 15 14 | 0 21 | 11 26 | 1 48 | 4 30 | 13 30 | 8 33 | 7 55 | 3 37 | 0 14 | 3 43 |
| F 24 | 21 45 | 18 32 | 4 3 | 21 41 | 0 40 | 10 7 | 2 1 | 20 12 | 0 12 | 8 47 | 1 9 | 17 29 | 1 24 | 15 15 | 0 21 | 11 27 | 1 48 | 4 29 | 13 30 | 8 31 | 7 54 | 3 39 | 0 14 | 3 42 |
| S 25 | 21 55 | 18 51 | 4 39 | 22 4 | 0 46 | 10 32 | 2 1 | 20 22 | 0 12 | 8 51 | 1 9 | 17 27 | 1 24 | 15 16 | 0 21 | 11 28 | 1 48 | 4 29 | 13 30 | 8 27 | 7 53 | 3 40 | 0 13 | 3 42 |
| S 26 | 22 4 | 18 11 | 5 1 | 22 26 | 0 52 | 10 58 | 2 0 | 20 32 | 0 13 | 8 55 | 1 9 | 17 26 | 1 24 | 15 17 | 0 21 | 11 28 | 1 48 | 4 29 | 13 30 | 8 24 | 7 52 | 3 42 | 0 13 | 3 42 |
| M27 | 22 13 | 16 30 | 5 7 | 22 47 | 0 58 | 11 23 | 2 0 | 20 42 | 0 14 | 8 59 | 1 9 | 17 25 | 1 24 | 15 18 | 0 21 | 11 29 | 1 48 | 4 29 | 13 30 | 8 21 | 7 50 | 3 44 | 0 13 | 3 41 |
| T 28 | 22 21 | 13 54 | 4 56 | 23 8 | 1 3 | 11 48 | 1 59 | 20 51 | 0 14 | 9 3 | 1 9 | 17 23 | 1 24 | 15 19 | 0 21 | 11 29 | 1 48 | 4 29 | 13 29 | 8 18 | 7 49 | 3 46 | 0 13 | 3 41 |
| W29 | 22 29 | 10 30 | 4 28 | 23 26 | 1 9 | 12 13 | 1 58 | 21 1 | 0 15 | 9 7 | 1 10 | 17 22 | 1 24 | 15 20 | 0 21 | 11 30 | 1 48 | 4 29 | 13 29 | 8 16 | 7 48 | 3 48 | 0 12 | 3 41 |
| T 30 | 22s36 | 6s30 | 3n44 | 23s44 | 1s14 | 12s37 | 1n57 | 21s10 | 0s16 | 9s11 | 1n10 | 17s20 | 1s24 | 15s21 | 0n21 | 11s31 | 1n48 | 4n29 | 13s29 | 8s15 | 7s47 | 3s50 | 0n12 | 3n41 |

Julian Day Number = 2137381.5, Delta T = 15m45s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'52, Lahiri = 11°51'53 Julian Calendar 1 Nov. 1139 == Greg. Calendar 8 Nov. 1139


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# ASTRODIENST EPHEMERIS for the year 1139
# geocentric

## DECEMBER 1139 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 2 34 | 15♐12'53 | 18♓17 | 14♐56 | 9♏57 | 4♐ 2 | 26♎39 | 16♒26 | 12♏39 | 4♏55 | 18°R41 | 21°D 4 | 19♎45 | 7♎ 4 | 22♓ 2 | F 1 |
| S 2 | 5 6 30 | 16°14'02 | 2♈24 | 16°31 | 11°11 | 4°46 | 26°50 | 16°31 | 12°42 | 4°57 | 18♉40 | 21♎ 4 | 19°42 | 7°11 | 22° 2 | S 2 |
| S 3 | 5 10 27 | 17°15'11 | 16°39 | 18° 6 | 12°24 | 5°30 | 27° 0 | 16°35 | 12°46 | 4°59 | 18°39 | 21°R 5 | 19°39 | 7°18 | 22° 3 | S 3 |
| M 4 | 5 14 23 | 18°16'20 | 0♉59 | 19°41 | 13°38 | 6°14 | 27°11 | 16°40 | 12°49 | 5° 1 | 18°38 | 21° 5 | 19°35 | 7°24 | 22° 3 | M 4 |
| T 5 | 5 18 20 | 19°17'29 | 15°21 | 21°17 | 14°52 | 6°58 | 27°21 | 16°45 | 12°52 | 5° 2 | 18°37 | 21° 2 | 19°32 | 7°31 | 22° 3 | T 5 |
| W 6 | 5 22 16 | 20°18'39 | 29°41 | 22°53 | 16° 5 | 7°42 | 27°31 | 16°50 | 12°55 | 5° 4 | 18°36 | 20°57 | 19°29 | 7°38 | 22° 4 | W 6 |
| T 7 | 5 26 13 | 21°19'49 | 13♊53 | 24°29 | 17°19 | 8°26 | 27°42 | 16°55 | 12°58 | 5° 6 | 18°35 | 20°50 | 19°26 | 7°44 | 22° 4 | T 7 |
| F 8 | 5 30 10 | 22°20'59 | 27°54 | 26° 5 | 18°33 | 9°11 | 27°52 | 17° 1 | 13° 1 | 5° 7 | 18°34 | 20°40 | 19°23 | 7°51 | 22° 5 | F 8 |
| S 9 | 5 34 6 | 23°22'09 | 11♋37 | 27°42 | 19°47 | 9°55 | 28° 2 | 17° 6 | 13° 5 | 5° 9 | 18°33 | 20°29 | 19°20 | 7°58 | 22° 6 | S 9 |
| S 10 | 5 38 3 | 24°23'20 | 24°59 | 29°19 | 21° 1 | 10°39 | 28°11 | 17°11 | 13° 8 | 5°11 | 18°32 | 20°18 | 19°16 | 8° 4 | 22° 6 | S 10 |
| M11 | 5 41 59 | 25°24'30 | 7♌59 | 0♍56 | 22°15 | 11°24 | 28°21 | 17°17 | 13°11 | 5°12 | 18°31 | 20° 8 | 19°13 | 8°11 | 22° 7 | M11 |
| T 12 | 5 45 56 | 26°25'41 | 20°37 | 2°33 | 23°29 | 12° 8 | 28°31 | 17°22 | 13°14 | 5°14 | 18°30 | 20° 0 | 19°10 | 8°17 | 22° 8 | T 12 |
| W13 | 5 49 52 | 27°26'53 | 2♍57 | 4°11 | 24°43 | 12°53 | 28°40 | 17°28 | 13°17 | 5°15 | 18°29 | 19°54 | 19° 7 | 8°24 | 22° 9 | W13 |
| T 14 | 5 53 49 | 28°28'04 | 15° 0 | 5°49 | 25°57 | 13°37 | 28°50 | 17°33 | 13°19 | 5°17 | 18°29 | 19°51 | 19° 4 | 8°31 | 22°10 | T 14 |
| F 15 | 5 57 46 | 29°29'16 | 26°54 | 7°27 | 27°11 | 14°22 | 28°59 | 17°39 | 13°22 | 5°18 | 18°28 | 19°D50 | 19° 0 | 8°37 | 22°11 | F 15 |
| S 16 | 6 1 42 | 0♎30'28 | 8♎42 | 9° 5 | 28°25 | 15° 7 | 29° 8 | 17°44 | 13°25 | 5°20 | 18°27 | 19°50 | 18°57 | 8°44 | 22°12 | S 16 |
| S 17 | 6 5 39 | 1°31'40 | 20°30 | 10°44 | 29°39 | 15°51 | 29°18 | 17°50 | 13°28 | 5°21 | 18°26 | 19°R50 | 18°54 | 8°51 | 22°13 | S 17 |
| M18 | 6 9 35 | 2°32'52 | 2♏24 | 12°22 | 0♐53 | 16°36 | 29°27 | 17°56 | 13°31 | 5°23 | 18°25 | 19°50 | 18°51 | 8°57 | 22°14 | M18 |
| T 19 | 6 13 32 | 3°34'05 | 14°29 | 14° 1 | 2° 8 | 17°21 | 29°35 | 18° 2 | 13°34 | 5°24 | 18°25 | 19°47 | 18°48 | 9° 4 | 22°15 | T 19 |
| W20 | 6 17 28 | 4°35'17 | 26°48 | 15°40 | 3°22 | 18° 6 | 29°44 | 18° 8 | 13°36 | 5°26 | 18°24 | 19°42 | 18°45 | 9°11 | 22°16 | W20 |
| T 21 | 6 21 25 | 5°36'30 | 9♐26 | 17°18 | 4°36 | 18°51 | 29°53 | 18°14 | 13°39 | 5°27 | 18°23 | 19°33 | 18°41 | 9°17 | 22°18 | T 21 |
| F 22 | 6 25 21 | 6°37'42 | 22°23 | 18°57 | 5°50 | 19°35 | 0♏ 1 | 18°20 | 13°41 | 5°28 | 18°22 | 19°23 | 18°38 | 9°24 | 22°19 | F 22 |
| S 23 | 6 29 18 | 7°38'54 | 5♑39 | 20°35 | 7° 5 | 20°20 | 0°10 | 18°26 | 13°44 | 5°30 | 18°22 | 19°10 | 18°35 | 9°31 | 22°20 | S 23 |
| S 24 | 6 33 15 | 8°40'06 | 19°13 | 22°13 | 8°19 | 21° 5 | 0°18 | 18°32 | 13°47 | 5°31 | 18°21 | 18°57 | 18°32 | 9°37 | 22°22 | S 24 |
| M25 | 6 37 11 | 9°41'17 | 3♒ 0 | 23°50 | 9°33 | 21°50 | 0°26 | 18°38 | 13°49 | 5°32 | 18°20 | 18°44 | 18°29 | 9°44 | 22°23 | M25 |
| T 26 | 6 41 8 | 10°42'28 | 16°58 | 25°26 | 10°48 | 22°35 | 0°34 | 18°45 | 13°52 | 5°33 | 18°20 | 18°34 | 18°26 | 9°51 | 22°25 | T 26 |
| W27 | 6 45 4 | 11°43'37 | 1♓ 2 | 27° 2 | 12° 2 | 23°21 | 0°42 | 18°51 | 13°54 | 5°34 | 18°19 | 18°26 | 18°22 | 9°57 | 22°27 | W27 |
| T 28 | 6 49 1 | 12°44'46 | 15° 8 | 28°36 | 13°17 | 24° 6 | 0°50 | 18°57 | 13°56 | 5°36 | 18°18 | 18°21 | 18°19 | 10° 4 | 22°28 | T 28 |
| F 29 | 6 52 57 | 13°45'55 | 29°15 | 0♒ 8 | 14°31 | 24°51 | 0°57 | 19° 4 | 13°59 | 5°37 | 18°18 | 18°19 | 18°16 | 10°11 | 22°30 | F 29 |
| S 30 | 6 56 54 | 14°47'02 | 13♈20 | 1°38 | 15°45 | 25°36 | 1° 5 | 19°10 | 14° 1 | 5°38 | 18°17 | 18°19 | 18°13 | 10°17 | 22°32 | S 30 |
| S 31 | 7 0 50 | 15♑48'08 | 27♈24 | 3♒ 6 | 17♐ 0 | 26♐21 | 1♏12 | 19♒17 | 14♏ 3 | 5♏39 | 18♉17 | 18♎19 | 18♎10 | 10♎24 | 22♓34 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s43 | 2s 6 | 2n47 | 24s 1 | 1s20 | 13s 2 | 1n56 | 21s19 | 0s16 | 9s14 | 1n10 | 17s19 | 1s24 | 15s22 | 0n21 | 11s31 | 1n48 | 4n28 | 13s29 | 8s15 | 7s46 | 3s52 | 0n12 | 3n40 |
| S 2 | 22 50 | 2n28 | 1 39 | 24 16 | 1 25 | 13 26 | 1 55 | 21 28 | 0 17 | 9 18 | 1 10 | 17 17 | 1 24 | 15 23 | 0 21 | 11 32 | 1 48 | 4 28 | 13 29 | 8 16 | 7 44 | 3 53 | 0 12 | 3 40 |
| S 3 | 22 56 | 6 56 | 0 24 | 24 30 | 1 30 | 13 49 | 1 54 | 21 36 | 0 17 | 9 22 | 1 10 | 17 16 | 1 24 | 15 24 | 0 21 | 11 32 | 1 48 | 4 28 | 13 29 | 8 16 | 7 43 | 3 55 | 0 12 | 3 40 |
| M 4 | 23 2 | 11 3 | 0s53 | 24 43 | 1 34 | 14 13 | 1 53 | 21 45 | 0 18 | 9 25 | 1 10 | 17 14 | 1 24 | 15 25 | 0 21 | 11 33 | 1 48 | 4 28 | 13 28 | 8 16 | 7 42 | 3 57 | 0 12 | 3 40 |
| T 5 | 23 7 | 14 30 | 2 6 | 24 54 | 1 39 | 14 36 | 1 51 | 21 53 | 0 19 | 9 29 | 1 10 | 17 13 | 1 24 | 15 26 | 0 21 | 11 33 | 1 48 | 4 28 | 13 28 | 8 15 | 7 41 | 3 59 | 0 12 | 3 39 |
| W 6 | 23 12 | 17 4 | 3 11 | 25 4 | 1 43 | 14 58 | 1 50 | 22 1 | 0 19 | 9 33 | 1 10 | 17 11 | 1 24 | 15 27 | 0 21 | 11 34 | 1 48 | 4 28 | 13 28 | 8 13 | 7 39 | 4 1 | 0 12 | 3 39 |
| T 7 | 23 16 | 18 32 | 4 4 | 25 12 | 1 47 | 15 21 | 1 48 | 22 8 | 0 20 | 9 36 | 1 11 | 17 10 | 1 24 | 15 28 | 0 21 | 11 35 | 1 48 | 4 28 | 13 28 | 8 10 | 7 38 | 4 3 | 0 11 | 3 39 |
| F 8 | 23 20 | 18 52 | 4 40 | 25 19 | 1 50 | 15 43 | 1 47 | 22 16 | 0 21 | 9 40 | 1 11 | 17 8 | 1 23 | 15 29 | 0 21 | 11 35 | 1 49 | 4 28 | 13 28 | 8 6 | 7 37 | 4 4 | 0 11 | 3 39 |
| S 9 | 23 23 | 18 3 | 5 0 | 25 25 | 1 53 | 16 4 | 1 45 | 22 23 | 0 21 | 9 43 | 1 11 | 17 6 | 1 23 | 15 30 | 0 21 | 11 36 | 1 49 | 4 28 | 13 28 | 8 2 | 7 36 | 4 6 | 0 11 | 3 38 |
| S 10 | 23 26 | 16 16 | 5 3 | 25 29 | 1 56 | 16 26 | 1 44 | 22 30 | 0 22 | 9 47 | 1 11 | 17 5 | 1 23 | 15 31 | 0 21 | 11 36 | 1 49 | 4 28 | 13 27 | 7 58 | 7 35 | 4 8 | 0 12 | 3 38 |
| M11 | 23 28 | 13 42 | 4 49 | 25 32 | 1 59 | 16 46 | 1 42 | 22 37 | 0 23 | 9 50 | 1 11 | 17 3 | 1 23 | 15 32 | 0 21 | 11 37 | 1 49 | 4 28 | 13 27 | 7 54 | 7 33 | 4 10 | 0 12 | 3 38 |
| T 12 | 23 30 | 10 33 | 4 22 | 25 33 | 2 2 | 17 7 | 1 40 | 22 44 | 0 23 | 9 53 | 1 11 | 17 1 | 1 23 | 15 33 | 0 21 | 11 37 | 1 49 | 4 28 | 13 27 | 7 51 | 7 32 | 4 12 | 0 12 | 3 38 |
| W13 | 23 31 | 7 0 | 3 43 | 25 32 | 2 4 | 17 27 | 1 38 | 22 50 | 0 24 | 9 56 | 1 11 | 17 0 | 1 23 | 15 33 | 0 21 | 11 38 | 1 49 | 4 28 | 13 27 | 7 49 | 7 31 | 4 14 | 0 12 | 3 37 |
| T 14 | 23 32 | 3 15 | 2 54 | 25 30 | 2 5 | 17 46 | 1 36 | 22 57 | 0 24 | 10 0 | 1 11 | 16 58 | 1 23 | 15 34 | 0 21 | 11 38 | 1 49 | 4 28 | 13 27 | 7 48 | 7 30 | 4 15 | 0 12 | 3 37 |
| F 15 | 23 33 | 0s35 | 1 59 | 25 27 | 2 7 | 18 5 | 1 34 | 23 3 | 0 25 | 10 3 | 1 12 | 16 56 | 1 23 | 15 35 | 0 21 | 11 38 | 1 49 | 4 28 | 13 26 | 7 47 | 7 29 | 4 17 | 0 12 | 3 37 |
| S 16 | 23 33 | 4 22 | 0 59 | 25 21 | 2 7 | 18 24 | 1 32 | 23 8 | 0 26 | 10 6 | 1 12 | 16 54 | 1 23 | 15 36 | 0 21 | 11 39 | 1 49 | 4 28 | 13 26 | 7 48 | 7 27 | 4 19 | 0 12 | 3 37 |
| S 17 | 23 32 | 7 59 | 0n 3 | 25 14 | 2 8 | 18 42 | 1 30 | 23 14 | 0 26 | 10 9 | 1 12 | 16 52 | 1 23 | 15 37 | 0 21 | 11 39 | 1 49 | 4 28 | 13 26 | 7 48 | 7 26 | 4 21 | 0 12 | 3 36 |
| M18 | 23 31 | 11 19 | 1 6 | 25 5 | 2 8 | 18 59 | 1 28 | 23 19 | 0 27 | 10 12 | 1 12 | 16 51 | 1 23 | 15 38 | 0 21 | 11 40 | 1 49 | 4 28 | 13 26 | 7 47 | 7 25 | 4 23 | 0 13 | 3 36 |
| T 19 | 23 30 | 14 14 | 2 7 | 24 55 | 2 7 | 19 17 | 1 26 | 23 24 | 0 28 | 10 15 | 1 12 | 16 49 | 1 23 | 15 39 | 0 21 | 11 40 | 1 49 | 4 28 | 13 25 | 7 46 | 7 24 | 4 25 | 0 13 | 3 36 |
| W20 | 23 28 | 16 34 | 3 3 | 24 43 | 2 6 | 19 33 | 1 24 | 23 29 | 0 28 | 10 18 | 1 12 | 16 47 | 1 23 | 15 39 | 0 21 | 11 41 | 1 49 | 4 28 | 13 25 | 7 44 | 7 23 | 4 26 | 0 13 | 3 35 |
| T 21 | 23 26 | 18 9 | 3 51 | 24 29 | 2 5 | 19 49 | 1 22 | 23 33 | 0 29 | 10 21 | 1 12 | 16 45 | 1 23 | 15 40 | 0 21 | 11 41 | 1 49 | 4 28 | 13 25 | 7 41 | 7 21 | 4 28 | 0 13 | 3 35 |
| F 22 | 23 23 | 18 52 | 4 29 | 24 14 | 2 3 | 20 5 | 1 19 | 23 38 | 0 29 | 10 24 | 1 13 | 16 43 | 1 23 | 15 41 | 0 21 | 11 41 | 1 49 | 4 28 | 13 25 | 7 37 | 7 20 | 4 30 | 0 14 | 3 35 |
| S 23 | 23 20 | 18 33 | 4 53 | 23 56 | 2 0 | 20 20 | 1 17 | 23 42 | 0 30 | 10 27 | 1 13 | 16 41 | 1 23 | 15 42 | 0 21 | 11 42 | 1 49 | 4 28 | 13 24 | 7 32 | 7 19 | 4 32 | 0 14 | 3 35 |
| S 24 | 23 16 | 17 12 | 5 1 | 23 38 | 1 57 | 20 34 | 1 14 | 23 45 | 0 31 | 10 29 | 1 13 | 16 39 | 1 23 | 15 42 | 0 21 | 11 42 | 1 49 | 4 28 | 13 24 | 7 27 | 7 18 | 4 34 | 0 14 | 3 35 |
| M25 | 23 12 | 14 51 | 4 52 | 23 17 | 1 53 | 20 48 | 1 12 | 23 49 | 0 31 | 10 32 | 1 13 | 16 37 | 1 23 | 15 43 | 0 21 | 11 42 | 1 49 | 4 28 | 13 24 | 7 22 | 7 16 | 4 36 | 0 15 | 3 34 |
| T 26 | 23 7 | 11 36 | 4 25 | 22 55 | 1 48 | 21 1 | 1 10 | 23 52 | 0 32 | 10 35 | 1 13 | 16 35 | 1 23 | 15 44 | 0 21 | 11 43 | 1 49 | 4 28 | 13 24 | 7 18 | 7 15 | 4 37 | 0 15 | 3 34 |
| W27 | 23 2 | 7 42 | 3 42 | 22 31 | 1 43 | 21 14 | 1 7 | 23 55 | 0 33 | 10 37 | 1 13 | 16 33 | 1 23 | 15 45 | 0 21 | 11 43 | 1 49 | 4 28 | 13 23 | 7 15 | 7 14 | 4 39 | 0 16 | 3 34 |
| T 28 | 22 56 | 3 20 | 2 46 | 22 6 | 1 36 | 21 26 | 1 5 | 23 58 | 0 33 | 10 40 | 1 14 | 16 31 | 1 23 | 15 45 | 0 21 | 11 43 | 1 50 | 4 28 | 13 23 | 7 14 | 7 13 | 4 41 | 0 16 | 3 34 |
| F 29 | 22 50 | 1n13 | 1 39 | 21 40 | 1 29 | 21 37 | 1 2 | 24 1 | 0 34 | 10 42 | 1 14 | 16 29 | 1 23 | 15 46 | 0 21 | 11 44 | 1 50 | 4 28 | 13 23 | 7 13 | 7 12 | 4 43 | 0 16 | 3 33 |
| S 30 | 22 43 | 5 42 | 0 26 | 21 13 | 1 21 | 21 48 | 0 59 | 24 3 | 0 34 | 10 45 | 1 14 | 16 27 | 1 23 | 15 47 | 0 21 | 11 44 | 1 50 | 4 29 | 13 23 | 7 13 | 7 10 | 4 45 | 0 17 | 3 33 |
| S 31 | 22s36 | 9n51 | 0s48 | 20s44 | 1s13 | 21s58 | 0n57 | 24s 5 | 0s35 | 10s47 | 1n14 | 16s25 | 1s23 | 15s47 | 0n21 | 11s44 | 1n50 | 4n29 | 13s22 | 7s13 | 7s 9 | 4s47 | 0n17 | 3n33 |

Julian Day Number = 2137411.5, Delta T = 15m45s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°44'57, Lahiri = 11°51'57 Julian Calendar 1 Dec. 1139 == Greg. Calendar 8 Dec. 1139


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## JANUARY 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 4 47 | 16♑49'14 | 11♉25 | 4♒30 | 18♐14 | 27♐ 7 | 1♏19 | 19♒23 | 14♏ 5 | 5♏40 | 18°R16 | 18°R18 | 18♎ 6 | 10♎30 | 22♓35 | M 1 |
| T 2 | 7 8 44 | 17°50'18 | 25°22 | 5°51 | 19°29 | 27°52 | 1°27 | 19°30 | 14° 8 | 5°41 | 18♉16 | 18♎14 | 18° 3 | 10°37 | 22°37 | T 2 |
| W 3 | 7 12 40 | 18°51'22 | 9♊14 | 7° 8 | 20°43 | 28°37 | 1°33 | 19°37 | 14°10 | 5°42 | 18°15 | 18° 8 | 18° 0 | 10°44 | 22°39 | W 3 |
| T 4 | 7 16 37 | 19°52'25 | 23° 0 | 8°20 | 21°58 | 29°23 | 1°40 | 19°43 | 14°12 | 5°43 | 18°15 | 17°58 | 17°57 | 10°50 | 22°41 | T 4 |
| F 5 | 7 20 33 | 20°53'26 | 6♋35 | 9°26 | 23°12 | 0♑ 8 | 1°47 | 19°50 | 14°14 | 5°44 | 18°14 | 17°46 | 17°54 | 10°57 | 22°43 | F 5 |
| S 6 | 7 24 30 | 21°54'27 | 19°57 | 10°26 | 24°26 | 0°54 | 1°53 | 19°57 | 14°16 | 5°44 | 18°14 | 17°33 | 17°51 | 11° 4 | 22°45 | S 6 |
| S 7 | 7 28 26 | 22°55'27 | 3♌ 4 | 11°19 | 25°41 | 1°39 | 2° 0 | 20° 3 | 14°18 | 5°45 | 18°13 | 17°19 | 17°47 | 11°10 | 22°48 | S 7 |
| M 8 | 7 32 23 | 23°56'26 | 15°54 | 12° 3 | 26°55 | 2°25 | 2° 6 | 20°10 | 14°19 | 5°46 | 18°13 | 17° 7 | 17°44 | 11°17 | 22°50 | M 8 |
| T 9 | 7 36 19 | 24°57'24 | 28°27 | 12°38 | 28°10 | 3°10 | 2°12 | 20°17 | 14°21 | 5°47 | 18°13 | 16°57 | 17°41 | 11°24 | 22°52 | T 9 |
| W10 | 7 40 16 | 25°58'21 | 10♍43 | 13° 4 | 29°24 | 3°56 | 2°18 | 20°24 | 14°23 | 5°48 | 18°12 | 16°49 | 17°38 | 11°30 | 22°54 | W10 |
| T 11 | 7 44 13 | 26°59'17 | 22°46 | 13°19 | 0♑39 | 4°41 | 2°24 | 20°31 | 14°25 | 5°48 | 18°12 | 16°44 | 17°35 | 11°37 | 22°57 | T 11 |
| F 12 | 7 48 9 | 28° 0'13 | 4♎39 | 13°R23 | 1°54 | 5°27 | 2°29 | 20°38 | 14°26 | 5°49 | 18°12 | 16°42 | 17°32 | 11°44 | 22°59 | F 12 |
| S 13 | 7 52 6 | 29° 1'07 | 16°27 | 13°16 | 3° 8 | 6°13 | 2°35 | 20°45 | 14°28 | 5°50 | 18°11 | 16°D41 | 17°28 | 11°50 | 23° 1 | S 13 |
| S 14 | 7 56 2 | 0♒ 2'01 | 28°15 | 12°58 | 4°23 | 6°58 | 2°40 | 20°52 | 14°30 | 5°50 | 18°11 | 16°R41 | 17°25 | 11°57 | 23° 4 | S 14 |
| M15 | 7 59 59 | 1° 2'54 | 10♏ 9 | 12°29 | 5°37 | 7°44 | 2°45 | 20°59 | 14°31 | 5°51 | 18°11 | 16°41 | 17°22 | 12° 3 | 23° 6 | M15 |
| T 16 | 8 3 55 | 2° 3'46 | 22°14 | 11°50 | 6°52 | 8°30 | 2°50 | 21° 6 | 14°33 | 5°51 | 18°11 | 16°39 | 17°19 | 12°10 | 23° 9 | T 16 |
| W17 | 8 7 52 | 3° 4'37 | 4♐35 | 11° 1 | 8° 6 | 9°16 | 2°55 | 21°13 | 14°34 | 5°52 | 18°10 | 16°35 | 17°16 | 12°17 | 23°11 | W17 |
| T 18 | 8 11 48 | 4° 5'27 | 17°17 | 10° 4 | 9°21 | 10° 2 | 2°59 | 21°20 | 14°35 | 5°52 | 18°10 | 16°28 | 17°12 | 12°23 | 23°14 | T 18 |
| F 19 | 8 15 45 | 5° 6'16 | 0♑23 | 9° 1 | 10°36 | 10°48 | 3° 4 | 21°27 | 14°37 | 5°53 | 18°10 | 16°19 | 17° 9 | 12°30 | 23°17 | F 19 |
| S 20 | 8 19 42 | 6° 7'04 | 13°52 | 7°53 | 11°50 | 11°34 | 3° 8 | 21°35 | 14°38 | 5°53 | 18°10 | 16° 8 | 17° 6 | 12°37 | 23°19 | S 20 |
| S 21 | 8 23 38 | 7° 7'51 | 27°45 | 6°42 | 13° 5 | 12°20 | 3°12 | 21°42 | 14°39 | 5°53 | 18°10 | 15°56 | 17° 3 | 12°43 | 23°22 | S 21 |
| M22 | 8 27 35 | 8° 8'36 | 11♒56 | 5°31 | 14°19 | 13° 5 | 3°16 | 21°49 | 14°40 | 5°54 | 18°10 | 15°45 | 17° 0 | 12°50 | 23°25 | M22 |
| T 23 | 8 31 31 | 9° 9'20 | 26°21 | 4°21 | 15°34 | 13°52 | 3°20 | 21°56 | 14°42 | 5°54 | 18°10 | 15°36 | 16°57 | 12°57 | 23°27 | T 23 |
| W24 | 8 35 28 | 10°10'03 | 10♓52 | 3°14 | 16°48 | 14°38 | 3°23 | 22° 3 | 14°43 | 5°54 | 18°10 | 15°29 | 16°53 | 13° 3 | 23°30 | W24 |
| T 25 | 8 39 24 | 11°10'43 | 25°24 | 2°11 | 18° 3 | 15°24 | 3°27 | 22°11 | 14°44 | 5°54 | 18°10 | 15°24 | 16°50 | 13°10 | 23°33 | T 25 |
| F 26 | 8 43 21 | 12°11'22 | 9♈51 | 1°14 | 19°18 | 16°10 | 3°30 | 22°18 | 14°45 | 5°55 | 18°D10 | 15°D23 | 16°47 | 13°17 | 23°36 | F 26 |
| S 27 | 8 47 17 | 13°12'00 | 24°10 | 0°23 | 20°32 | 16°56 | 3°33 | 22°25 | 14°45 | 5°55 | 18°10 | 15°23 | 16°44 | 13°23 | 23°39 | S 27 |
| S 28 | 8 51 14 | 14°12'35 | 8♉18 | 29♑40 | 21°47 | 17°42 | 3°36 | 22°32 | 14°46 | 5°55 | 18°10 | 15°R24 | 16°41 | 13°30 | 23°42 | S 28 |
| M29 | 8 55 11 | 15°13'09 | 22°14 | 29° 4 | 23° 1 | 18°28 | 3°38 | 22°40 | 14°47 | 5°55 | 18°10 | 15°23 | 16°38 | 13°37 | 23°45 | M29 |
| T 30 | 8 59 7 | 16°13'40 | 5♊59 | 28°36 | 24°16 | 19°14 | 3°41 | 22°47 | 14°48 | 5°55 | 18°10 | 15°22 | 16°34 | 13°43 | 23°48 | T 30 |
| W31 | 9 3 4 | 17♒14'10 | 19♊32 | 28♑16 | 25♑30 | 20♑ 0 | 3♏43 | 22♒54 | 14♏48 | 5°R55 | 18♉10 | 15♎17 | 16♎31 | 13♎50 | 23♓51 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s29 | 13n26 | 1s59 | 20s15 | 1s 3 | 22s 8 | 0n54 | 24s 7 | 0s36 | 10s50 | 1n14 | 16s23 | 1s23 | 15s48 | 0n21 | 11s45 | 1n50 | 4n29 | 13s22 | 7s12 | 7s 8 | 4s48 | 0n18 | 3n33 |
| T 2 | 22 21 | 16 14 | 3 2 | 19 45 | 0 53 | 22 16 | 0 51 | 24 8 | 0 36 | 10 52 | 1 14 | 16 21 | 1 23 | 15 49 | 0 21 | 11 45 | 1 50 | 4 29 | 13 22 | 7 11 | 7 7 | 4 50 | 0 19 | 3 32 |
| W 3 | 22 13 | 18 4 | 3 55 | 19 14 | 0 41 | 22 25 | 0 49 | 24 9 | 0 37 | 10 54 | 1 15 | 16 19 | 1 23 | 15 49 | 0 21 | 11 45 | 1 50 | 4 29 | 13 22 | 7 8 | 7 6 | 4 52 | 0 19 | 3 32 |
| T 4 | 22 4 | 18 49 | 4 33 | 18 43 | 0 29 | 22 32 | 0 46 | 24 10 | 0 38 | 10 56 | 1 15 | 16 17 | 1 23 | 15 50 | 0 21 | 11 45 | 1 50 | 4 29 | 13 21 | 7 5 | 7 4 | 4 54 | 0 20 | 3 32 |
| F 5 | 21 55 | 18 29 | 4 55 | 18 13 | 0 15 | 22 39 | 0 43 | 24 11 | 0 38 | 10 58 | 1 15 | 16 14 | 1 23 | 15 50 | 0 21 | 11 46 | 1 50 | 4 29 | 13 21 | 7 0 | 7 3 | 4 56 | 0 20 | 3 32 |
| S 6 | 21 45 | 17 7 | 5 0 | 17 43 | 0 1 | 22 45 | 0 41 | 24 11 | 0 39 | 11 1 | 1 15 | 16 12 | 1 23 | 15 51 | 0 21 | 11 46 | 1 50 | 4 30 | 13 21 | 6 55 | 7 2 | 4 57 | 0 21 | 3 31 |
| S 7 | 21 35 | 14 52 | 4 49 | 17 14 | 0n14 | 22 51 | 0 38 | 24 12 | 0 39 | 11 3 | 1 15 | 16 10 | 1 23 | 15 52 | 0 21 | 11 46 | 1 50 | 4 30 | 13 20 | 6 50 | 7 1 | 4 59 | 0 22 | 3 31 |
| M 8 | 21 25 | 11 56 | 4 24 | 16 47 | 0 30 | 22 56 | 0 35 | 24 12 | 0 40 | 11 5 | 1 16 | 16 8 | 1 23 | 15 52 | 0 21 | 11 46 | 1 50 | 4 30 | 13 20 | 6 45 | 6 59 | 5 1 | 0 22 | 3 31 |
| T 9 | 21 14 | 8 32 | 3 46 | 16 21 | 0 47 | 23 0 | 0 32 | 24 11 | 0 41 | 11 6 | 1 16 | 16 6 | 1 23 | 15 53 | 0 21 | 11 47 | 1 50 | 4 30 | 13 20 | 6 41 | 6 58 | 5 3 | 0 23 | 3 31 |
| W10 | 21 3 | 4 50 | 2 58 | 15 57 | 1 4 | 23 3 | 0 30 | 24 11 | 0 41 | 11 8 | 1 16 | 16 4 | 1 23 | 15 53 | 0 21 | 11 47 | 1 50 | 4 30 | 13 20 | 6 38 | 6 57 | 5 5 | 0 24 | 3 31 |
| T 11 | 20 51 | 1 0 | 2 3 | 15 36 | 1 22 | 23 6 | 0 27 | 24 10 | 0 42 | 11 10 | 1 16 | 16 1 | 1 23 | 15 54 | 0 21 | 11 47 | 1 50 | 4 30 | 13 19 | 6 36 | 6 56 | 5 6 | 0 24 | 3 30 |
| F 12 | 20 39 | 2s50 | 1 3 | 15 17 | 1 39 | 23 8 | 0 24 | 24 8 | 0 42 | 11 12 | 1 16 | 15 59 | 1 23 | 15 54 | 0 21 | 11 47 | 1 50 | 4 31 | 13 19 | 6 35 | 6 55 | 5 8 | 0 25 | 3 30 |
| S 13 | 20 27 | 6 31 | 0 1 | 15 2 | 1 57 | 23 9 | 0 21 | 24 7 | 0 43 | 11 14 | 1 16 | 15 57 | 1 23 | 15 55 | 0 21 | 11 47 | 1 51 | 4 31 | 13 19 | 6 35 | 6 53 | 5 10 | 0 26 | 3 30 |
| S 14 | 20 14 | 9 57 | 1n 1 | 14 51 | 2 14 | 23 10 | 0 18 | 24 5 | 0 44 | 11 15 | 1 17 | 15 55 | 1 23 | 15 55 | 0 21 | 11 47 | 1 51 | 4 31 | 13 18 | 6 35 | 6 52 | 5 12 | 0 27 | 3 30 |
| M15 | 20 1 | 13 0 | 2 1 | 14 43 | 2 31 | 23 10 | 0 16 | 24 3 | 0 44 | 11 17 | 1 17 | 15 52 | 1 23 | 15 56 | 0 21 | 11 47 | 1 51 | 4 31 | 13 18 | 6 35 | 6 51 | 5 14 | 0 27 | 3 29 |
| T 16 | 19 47 | 15 33 | 2 57 | 14 39 | 2 47 | 23 9 | 0 13 | 24 1 | 0 45 | 11 18 | 1 17 | 15 50 | 1 23 | 15 56 | 0 22 | 11 48 | 1 51 | 4 32 | 13 18 | 6 34 | 6 50 | 5 15 | 0 28 | 3 29 |
| W17 | 19 34 | 17 27 | 3 46 | 14 39 | 3 1 | 23 8 | 0 10 | 23 59 | 0 45 | 11 20 | 1 17 | 15 48 | 1 23 | 15 56 | 0 22 | 11 48 | 1 51 | 4 32 | 13 17 | 6 33 | 6 48 | 5 17 | 0 29 | 3 29 |
| T 18 | 19 19 | 18 33 | 4 25 | 14 42 | 3 14 | 23 6 | 0 7 | 23 56 | 0 46 | 11 21 | 1 17 | 15 46 | 1 23 | 15 57 | 0 22 | 11 48 | 1 51 | 4 32 | 13 17 | 6 30 | 6 47 | 5 19 | 0 30 | 3 29 |
| F 19 | 19 5 | 18 42 | 4 51 | 14 48 | 3 24 | 23 3 | 0 5 | 23 53 | 0 47 | 11 22 | 1 18 | 15 43 | 1 23 | 15 57 | 0 22 | 11 48 | 1 51 | 4 32 | 13 17 | 6 27 | 6 46 | 5 21 | 0 31 | 3 29 |
| S 20 | 18 50 | 17 49 | 5 2 | 14 57 | 3 33 | 22 59 | 0 2 | 23 49 | 0 47 | 11 24 | 1 18 | 15 41 | 1 23 | 15 58 | 0 22 | 11 48 | 1 51 | 4 33 | 13 17 | 6 22 | 6 45 | 5 23 | 0 32 | 3 29 |
| S 21 | 18 34 | 15 52 | 4 56 | 15 9 | 3 39 | 22 55 | 0s 1 | 23 46 | 0 48 | 11 25 | 1 18 | 15 39 | 1 23 | 15 58 | 0 22 | 11 48 | 1 51 | 4 33 | 13 16 | 6 18 | 6 44 | 5 24 | 0 32 | 3 28 |
| M22 | 18 19 | 12 56 | 4 32 | 15 23 | 3 42 | 22 50 | 0 4 | 23 42 | 0 48 | 11 26 | 1 18 | 15 36 | 1 23 | 15 58 | 0 22 | 11 48 | 1 51 | 4 33 | 13 16 | 6 14 | 6 42 | 5 26 | 0 33 | 3 28 |
| T 23 | 18 3 | 9 11 | 3 50 | 15 38 | 3 44 | 22 44 | 0 6 | 23 38 | 0 49 | 11 27 | 1 18 | 15 34 | 1 23 | 15 59 | 0 22 | 11 48 | 1 51 | 4 33 | 13 16 | 6 10 | 6 41 | 5 28 | 0 34 | 3 28 |
| W24 | 17 47 | 4 51 | 2 53 | 15 55 | 3 43 | 22 38 | 0 9 | 23 34 | 0 49 | 11 28 | 1 19 | 15 32 | 1 23 | 15 59 | 0 22 | 11 48 | 1 51 | 4 34 | 13 15 | 6 7 | 6 40 | 5 30 | 0 35 | 3 28 |
| T 25 | 17 30 | 0 14 | 1 44 | 16 12 | 3 39 | 22 31 | 0 12 | 23 29 | 0 50 | 11 29 | 1 19 | 15 29 | 1 23 | 15 59 | 0 22 | 11 48 | 1 51 | 4 34 | 13 15 | 6 6 | 6 39 | 5 32 | 0 36 | 3 28 |
| F 26 | 17 13 | 4n22 | 0 29 | 16 29 | 3 34 | 22 23 | 0 14 | 23 24 | 0 51 | 11 30 | 1 19 | 15 27 | 1 23 | 15 59 | 0 22 | 11 48 | 1 51 | 4 34 | 13 15 | 6 5 | 6 37 | 5 33 | 0 37 | 3 27 |
| S 27 | 16 56 | 8 41 | 0s47 | 16 47 | 3 28 | 22 15 | 0 17 | 23 19 | 0 51 | 11 31 | 1 19 | 15 25 | 1 23 | 16 0 | 0 22 | 11 48 | 1 51 | 4 35 | 13 14 | 6 5 | 6 36 | 5 35 | 0 38 | 3 27 |
| S 28 | 16 38 | 12 27 | 1 59 | 17 4 | 3 19 | 22 6 | 0 19 | 23 14 | 0 52 | 11 32 | 1 19 | 15 22 | 1 23 | 16 0 | 0 22 | 11 48 | 1 51 | 4 35 | 13 14 | 6 5 | 6 35 | 5 37 | 0 39 | 3 27 |
| M29 | 16 21 | 15 27 | 3 4 | 17 21 | 3 10 | 21 56 | 0 22 | 23 8 | 0 52 | 11 32 | 1 20 | 15 20 | 1 23 | 16 0 | 0 22 | 11 48 | 1 52 | 4 35 | 13 14 | 6 5 | 6 34 | 5 39 | 0 40 | 3 27 |
| T 30 | 16 3 | 17 31 | 3 57 | 17 37 | 2 59 | 21 46 | 0 24 | 23 2 | 0 53 | 11 33 | 1 20 | 15 18 | 1 23 | 16 0 | 0 22 | 11 48 | 1 52 | 4 36 | 13 13 | 6 4 | 6 33 | 5 40 | 0 41 | 3 27 |
| W31 | 15s44 | 18n33 | 4s35 | 17s52 | 2n48 | 21s35 | 0s27 | 22s56 | 0s53 | 11s34 | 1n20 | 15s15 | 1s23 | 16s 0 | 0n22 | 11s48 | 1n52 | 4n36 | 13s13 | 6s 3 | 6s31 | 5s42 | 0n42 | 3n27 |

Julian Day Number = 2137442.5, Delta T = 15m44s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'01, Lahiri = 11°52'01 Julian Calendar 1 Jan. 1140 == Greg. Calendar 8 Jan. 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## FEBRUARY 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 7 0 | 18♒14'38 | 2♋54 | 28°R 3 | 26♑45 | 20♑47 | 3♏45 | 23♒ 2 | 14♏49 | 5°R55 | 18♉10 | 15°R11 | 16♎28 | 13♎56 | 23♓54 | T 1 |
| F 2 | 9 10 57 | 19°15'04 | 16° 4 | 27°D57 | 28° 0 | 21°33 | 3°47 | 23° 9 | 14°50 | 5♏55 | 18°10 | 15♎ 2 | 16°25 | 14° 3 | 23°57 | F 2 |
| S 3 | 9 14 53 | 20°15'29 | 29° 3 | 27♑59 | 29°14 | 22°19 | 3°49 | 23°16 | 14°50 | 5°55 | 18°10 | 14°52 | 16°22 | 14°10 | 24° 0 | S 3 |
| S 4 | 9 18 50 | 21°15'51 | 11♌48 | 28° 7 | 0♒29 | 23° 5 | 3°50 | 23°24 | 14°51 | 5°55 | 18°10 | 14°42 | 16°18 | 14°16 | 24° 3 | S 4 |
| M 5 | 9 22 46 | 22°16'12 | 24°21 | 28°21 | 1°43 | 23°52 | 3°52 | 23°31 | 14°51 | 5°55 | 18°11 | 14°32 | 16°15 | 14°23 | 24° 6 | M 5 |
| T 6 | 9 26 43 | 23°16'31 | 6♍42 | 28°41 | 2°58 | 24°38 | 3°53 | 23°38 | 14°51 | 5°54 | 18°11 | 14°24 | 16°12 | 14°30 | 24°10 | T 6 |
| W 7 | 9 30 40 | 24°16'48 | 18°50 | 29° 6 | 4°12 | 25°24 | 3°54 | 23°46 | 14°52 | 5°54 | 18°11 | 14°19 | 16° 9 | 14°36 | 24°13 | W 7 |
| T 8 | 9 34 36 | 25°17'03 | 0♎48 | 29°36 | 5°27 | 26°11 | 3°55 | 23°53 | 14°52 | 5°54 | 18°11 | 14°16 | 16° 6 | 14°43 | 24°16 | T 8 |
| F 9 | 9 38 33 | 26°17'17 | 12°39 | 0♒11 | 6°41 | 26°57 | 3°55 | 24° 0 | 14°52 | 5°54 | 18°12 | 14°D14 | 16° 3 | 14°50 | 24°19 | F 9 |
| S 10 | 9 42 29 | 27°17'29 | 24°27 | 0°51 | 7°56 | 27°44 | 3°56 | 24° 8 | 14°52 | 5°53 | 18°12 | 14°15 | 15°59 | 14°56 | 24°23 | S 10 |
| S 11 | 9 46 26 | 28°17'40 | 6♏14 | 1°34 | 9°10 | 28°30 | 3°56 | 24°15 | 14°52 | 5°53 | 18°12 | 14°16 | 15°56 | 15° 3 | 24°26 | S 11 |
| M12 | 9 50 22 | 29°17'49 | 18° 7 | 2°21 | 10°25 | 29°16 | 3°R56 | 24°22 | 14°R52 | 5°53 | 18°13 | 14°18 | 15°53 | 15°10 | 24°29 | M12 |
| T 13 | 9 54 19 | 0♓17'56 | 0♐11 | 3°12 | 11°39 | 0♒ 3 | 3°56 | 24°30 | 14°52 | 5°52 | 18°13 | 14°R18 | 15°50 | 15°16 | 24°33 | T 13 |
| W14 | 9 58 15 | 1°18'02 | 12°31 | 4° 5 | 12°54 | 0°49 | 3°56 | 24°37 | 14°52 | 5°52 | 18°14 | 14°18 | 15°47 | 15°23 | 24°36 | W14 |
| T 15 | 10 2 12 | 2°18'07 | 25°11 | 5° 2 | 14° 9 | 1°36 | 3°55 | 24°44 | 14°52 | 5°51 | 18°14 | 14°15 | 15°43 | 15°29 | 24°40 | T 15 |
| F 16 | 10 6 9 | 3°18'09 | 8♑15 | 6° 1 | 15°23 | 2°22 | 3°55 | 24°52 | 14°52 | 5°51 | 18°14 | 14°11 | 15°40 | 15°36 | 24°43 | F 16 |
| S 17 | 10 10 5 | 4°18'10 | 21°47 | 7° 4 | 16°38 | 3° 9 | 3°54 | 24°59 | 14°52 | 5°50 | 18°15 | 14° 5 | 15°37 | 15°43 | 24°46 | S 17 |
| S 18 | 10 14 2 | 5°18'09 | 5♒45 | 8° 8 | 17°52 | 3°55 | 3°53 | 25° 6 | 14°51 | 5°50 | 18°15 | 13°59 | 15°34 | 15°49 | 24°50 | S 18 |
| M19 | 10 17 58 | 6°18'07 | 20° 7 | 9°15 | 19° 7 | 4°42 | 3°51 | 25°14 | 14°51 | 5°49 | 18°16 | 13°53 | 15°31 | 15°56 | 24°53 | M19 |
| T 20 | 10 21 55 | 7°18'02 | 4♓49 | 10°24 | 20°21 | 5°28 | 3°50 | 25°21 | 14°51 | 5°48 | 18°16 | 13°48 | 15°28 | 16° 3 | 24°57 | T 20 |
| W21 | 10 25 51 | 8°17'55 | 19°42 | 11°35 | 21°36 | 6°15 | 3°48 | 25°28 | 14°50 | 5°48 | 18°17 | 13°44 | 15°24 | 16° 9 | 25° 0 | W21 |
| T 22 | 10 29 48 | 9°17'47 | 4♈39 | 12°48 | 22°50 | 7° 2 | 3°47 | 25°35 | 14°50 | 5°47 | 18°17 | 13°42 | 15°21 | 16°16 | 25° 4 | T 22 |
| F 23 | 10 33 44 | 10°17'36 | 19°30 | 14° 3 | 24° 4 | 7°48 | 3°45 | 25°42 | 14°49 | 5°46 | 18°18 | 13°D42 | 15°18 | 16°23 | 25° 7 | F 23 |
| S 24 | 10 37 41 | 11°17'23 | 4♉11 | 15°20 | 25°19 | 8°35 | 3°42 | 25°50 | 14°48 | 5°46 | 18°19 | 13°43 | 15°15 | 16°29 | 25°11 | S 24 |
| S 25 | 10 41 37 | 12°17'08 | 18°35 | 16°39 | 26°33 | 9°21 | 3°40 | 25°57 | 14°48 | 5°45 | 18°19 | 13°44 | 15°12 | 16°36 | 25°14 | S 25 |
| M26 | 10 45 34 | 13°16'50 | 2♊41 | 17°59 | 27°48 | 10° 8 | 3°37 | 26° 4 | 14°47 | 5°44 | 18°20 | 13°46 | 15° 9 | 16°43 | 25°18 | M26 |
| T 27 | 10 49 31 | 14°16'30 | 16°27 | 19°21 | 29° 2 | 10°55 | 3°35 | 26°11 | 14°46 | 5°43 | 18°21 | 13°R46 | 15° 5 | 16°49 | 25°22 | T 27 |
| W28 | 10 53 27 | 15°16'08 | 29°54 | 20°44 | 0♓17 | 11°41 | 3°32 | 26°18 | 14°45 | 5°42 | 18°21 | 13°45 | 15° 2 | 16°56 | 25°25 | W28 |
| T 29 | 10 57 24 | 16♓15'43 | 13♋ 3 | 22♒ 9 | 1♓31 | 12♒28 | 3♏29 | 26♒25 | 14♏45 | 5♏41 | 18♉22 | 13♎43 | 14♎59 | 17♎ 2 | 25♓29 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s26 | 18n33 | 4s58 | 18s 6 | 2n36 | 21s23 | 0s29 | 22s49 | 0s54 | 11s34 | 1n20 | 15s13 | 1s23 | 16s 1 | 0n22 | 11s48 | 1n52 | 4n36 | 13s13 | 6s 0 | 6s30 | 5s44 | 0n43 | 3n26 |
| F 2 | 15 7 | 17 31 | 5 5 | 18 19 | 2 24 | 21 11 | 0 32 | 22 43 | 0 54 | 11 35 | 1 20 | 15 10 | 1 23 | 16 1 | 0 22 | 11 48 | 1 52 | 4 36 | 13 13 | 5 57 | 6 29 | 5 46 | 0 44 | 3 26 |
| S 3 | 14 48 | 15 37 | 4 56 | 18 31 | 2 11 | 20 58 | 0 34 | 22 36 | 0 55 | 11 35 | 1 21 | 15 8 | 1 23 | 16 1 | 0 22 | 11 48 | 1 52 | 4 37 | 13 12 | 5 53 | 6 28 | 5 48 | 0 46 | 3 26 |
| S 4 | 14 29 | 12 58 | 4 32 | 18 42 | 1 58 | 20 44 | 0 37 | 22 28 | 0 56 | 11 35 | 1 21 | 15 6 | 1 23 | 16 1 | 0 22 | 11 48 | 1 52 | 4 37 | 13 12 | 5 49 | 6 26 | 5 49 | 0 47 | 3 26 |
| M 5 | 14 9 | 9 46 | 3 56 | 18 52 | 1 46 | 20 30 | 0 39 | 22 21 | 0 56 | 11 36 | 1 21 | 15 3 | 1 24 | 16 1 | 0 22 | 11 48 | 1 52 | 4 38 | 13 12 | 5 45 | 6 25 | 5 51 | 0 48 | 3 26 |
| T 6 | 13 49 | 6 11 | 3 8 | 19 0 | 1 33 | 20 15 | 0 41 | 22 13 | 0 57 | 11 36 | 1 21 | 15 1 | 1 24 | 16 1 | 0 22 | 11 47 | 1 52 | 4 38 | 13 11 | 5 42 | 6 24 | 5 53 | 0 49 | 3 26 |
| W 7 | 13 29 | 2 24 | 2 13 | 19 7 | 1 21 | 20 0 | 0 43 | 22 5 | 0 57 | 11 36 | 1 21 | 14 59 | 1 24 | 16 1 | 0 22 | 11 47 | 1 52 | 4 38 | 13 11 | 5 40 | 6 23 | 5 55 | 0 50 | 3 25 |
| T 8 | 13 9 | 1s25 | 1 12 | 19 13 | 1 8 | 19 44 | 0 45 | 21 57 | 0 58 | 11 36 | 1 22 | 14 56 | 1 24 | 16 1 | 0 22 | 11 47 | 1 52 | 4 39 | 13 11 | 5 39 | 6 22 | 5 56 | 0 51 | 3 25 |
| F 9 | 12 49 | 5 9 | 0 9 | 19 18 | 0 56 | 19 27 | 0 48 | 21 49 | 0 58 | 11 36 | 1 22 | 14 54 | 1 24 | 16 1 | 0 22 | 11 47 | 1 52 | 4 39 | 13 10 | 5 38 | 6 20 | 5 58 | 0 52 | 3 25 |
| S 10 | 12 28 | 8 40 | 0n55 | 19 21 | 0 44 | 19 10 | 0 50 | 21 40 | 0 59 | 11 36 | 1 22 | 14 51 | 1 24 | 16 1 | 0 22 | 11 47 | 1 52 | 4 39 | 13 10 | 5 39 | 6 19 | 6 0 | 0 54 | 3 25 |
| S 11 | 12 7 | 11 50 | 1 56 | 19 23 | 0 32 | 18 52 | 0 52 | 21 31 | 0 59 | 11 36 | 1 22 | 14 49 | 1 24 | 16 1 | 0 22 | 11 47 | 1 52 | 4 40 | 13 10 | 5 39 | 6 18 | 6 2 | 0 55 | 3 25 |
| M12 | 11 46 | 14 32 | 2 53 | 19 23 | 0 21 | 18 34 | 0 54 | 21 22 | 1 0 | 11 36 | 1 22 | 14 47 | 1 24 | 16 1 | 0 22 | 11 46 | 1 52 | 4 40 | 13 9 | 5 40 | 6 17 | 6 3 | 0 56 | 3 25 |
| T 13 | 11 25 | 16 38 | 3 43 | 19 22 | 0 10 | 18 16 | 0 56 | 21 13 | 1 0 | 11 36 | 1 23 | 14 44 | 1 24 | 16 1 | 0 22 | 11 46 | 1 52 | 4 41 | 13 9 | 5 40 | 6 15 | 6 5 | 0 57 | 3 25 |
| W14 | 11 4 | 18 2 | 4 24 | 19 20 | 0s 1 | 17 56 | 0 58 | 21 3 | 1 1 | 11 35 | 1 23 | 14 42 | 1 24 | 16 1 | 0 22 | 11 46 | 1 52 | 4 41 | 13 9 | 5 40 | 6 14 | 6 7 | 0 58 | 3 24 |
| T 15 | 10 42 | 18 34 | 4 54 | 19 16 | 0 11 | 17 37 | 0 59 | 20 53 | 1 1 | 11 35 | 1 23 | 14 39 | 1 24 | 16 1 | 0 22 | 11 46 | 1 53 | 4 41 | 13 9 | 5 39 | 6 13 | 6 9 | 1 0 | 3 24 |
| F 16 | 10 20 | 18 9 | 5 9 | 19 11 | 0 21 | 17 16 | 1 1 | 20 43 | 1 2 | 11 34 | 1 23 | 14 37 | 1 24 | 16 1 | 0 22 | 11 46 | 1 53 | 4 42 | 13 8 | 5 37 | 6 12 | 6 10 | 1 1 | 3 24 |
| S 17 | 9 59 | 16 43 | 5 8 | 19 5 | 0 31 | 16 56 | 1 3 | 20 33 | 1 2 | 11 34 | 1 23 | 14 35 | 1 24 | 16 1 | 0 22 | 11 45 | 1 53 | 4 42 | 13 8 | 5 35 | 6 11 | 6 12 | 1 2 | 3 24 |
| S 18 | 9 37 | 14 15 | 4 49 | 18 57 | 0 40 | 16 34 | 1 5 | 20 22 | 1 3 | 11 33 | 1 24 | 14 32 | 1 24 | 16 1 | 0 22 | 11 45 | 1 53 | 4 43 | 13 8 | 5 32 | 6 9 | 6 14 | 1 3 | 3 24 |
| M19 | 9 14 | 10 52 | 4 11 | 18 48 | 0 49 | 16 13 | 1 6 | 20 12 | 1 3 | 11 33 | 1 24 | 14 30 | 1 25 | 16 1 | 0 22 | 11 45 | 1 53 | 4 43 | 13 7 | 5 30 | 6 8 | 6 16 | 1 5 | 3 24 |
| T 20 | 8 52 | 6 45 | 3 16 | 18 38 | 0 57 | 15 51 | 1 8 | 20 1 | 1 4 | 11 32 | 1 24 | 14 27 | 1 25 | 16 1 | 0 22 | 11 45 | 1 53 | 4 43 | 13 7 | 5 28 | 6 7 | 6 17 | 1 6 | 3 24 |
| W21 | 8 30 | 2 9 | 2 7 | 18 26 | 1 5 | 15 28 | 1 9 | 19 50 | 1 4 | 11 31 | 1 24 | 14 25 | 1 25 | 16 1 | 0 22 | 11 44 | 1 53 | 4 44 | 13 7 | 5 26 | 6 6 | 6 19 | 1 7 | 3 24 |
| T 22 | 8 7 | 2n36 | 0 49 | 18 12 | 1 13 | 15 5 | 1 11 | 19 38 | 1 4 | 11 31 | 1 24 | 14 23 | 1 25 | 16 1 | 0 22 | 11 44 | 1 53 | 4 44 | 13 6 | 5 26 | 6 4 | 6 21 | 1 8 | 3 24 |
| F 23 | 7 45 | 7 11 | 0s32 | 17 58 | 1 20 | 14 42 | 1 12 | 19 27 | 1 5 | 11 30 | 1 25 | 14 20 | 1 25 | 16 0 | 0 22 | 11 44 | 1 53 | 4 45 | 13 6 | 5 26 | 6 3 | 6 23 | 1 10 | 3 23 |
| S 24 | 7 22 | 11 15 | 1 50 | 17 42 | 1 27 | 14 18 | 1 14 | 19 15 | 1 5 | 11 29 | 1 25 | 14 18 | 1 25 | 16 0 | 0 22 | 11 43 | 1 53 | 4 45 | 13 6 | 5 26 | 6 2 | 6 24 | 1 11 | 3 23 |
| S 25 | 6 59 | 14 33 | 3 0 | 17 24 | 1 33 | 13 54 | 1 15 | 19 3 | 1 6 | 11 28 | 1 25 | 14 16 | 1 25 | 16 0 | 0 22 | 11 43 | 1 53 | 4 46 | 13 6 | 5 27 | 6 1 | 6 26 | 1 12 | 3 23 |
| M26 | 6 36 | 16 55 | 3 57 | 17 5 | 1 39 | 13 29 | 1 16 | 18 51 | 1 6 | 11 27 | 1 25 | 14 13 | 1 25 | 16 0 | 0 22 | 11 43 | 1 53 | 4 46 | 13 5 | 5 27 | 5 59 | 6 28 | 1 14 | 3 23 |
| T 27 | 6 13 | 18 14 | 4 39 | 16 45 | 1 45 | 13 4 | 1 17 | 18 39 | 1 7 | 11 26 | 1 25 | 14 11 | 1 25 | 16 0 | 0 22 | 11 43 | 1 53 | 4 46 | 13 5 | 5 27 | 5 58 | 6 30 | 1 15 | 3 23 |
| W28 | 5 50 | 18 28 | 5 5 | 16 23 | 1 50 | 12 39 | 1 18 | 18 26 | 1 7 | 11 25 | 1 25 | 14 9 | 1 25 | 15 59 | 0 22 | 11 42 | 1 53 | 4 47 | 13 5 | 5 27 | 5 57 | 6 31 | 1 16 | 3 23 |
| T 29 | 5s27 | 17n42 | 5s14 | 16s 0 | 1s55 | 12s13 | 1s20 | 18s13 | 1s 8 | 11s23 | 1n26 | 14s 6 | 1s25 | 15s59 | 0n22 | 11s42 | 1n53 | 4n47 | 13s 5 | 5s26 | 5s56 | 6s33 | 1n18 | 3n23 |

Julian Day Number = 2137473.5, Delta T = 15m44s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'05, Lahiri = 11°52'05 Julian Calendar 1 Feb. 1140 == Greg. Calendar 8 Feb. 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## MARCH 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 1 20 | 17♓15'17 | 25♋57 | 23♒35 | 2♓45 | 13♒14 | 3°R26 | 26♒32 | 14°R44 | 5°R40 | 18♉23 | 13°R40 | 14♎56 | 17♎ 9 | 25♓32 | F 1 |
| S 2 | 11 5 17 | 18°14'47 | 8♌36 | 25° 3 | 4° 0 | 14° 1 | 3♏22 | 26°39 | 14♏43 | 5♏40 | 18°23 | 13♎36 | 14°53 | 17°16 | 25°36 | S 2 |
| S 3 | 11 9 13 | 19°14'16 | 21° 3 | 26°32 | 5°14 | 14°48 | 3°19 | 26°46 | 14°42 | 5°39 | 18°24 | 13°31 | 14°49 | 17°22 | 25°39 | S 3 |
| M 4 | 11 13 10 | 20°13'42 | 3♍18 | 28° 3 | 6°29 | 15°34 | 3°15 | 26°53 | 14°41 | 5°38 | 18°25 | 13°28 | 14°46 | 17°29 | 25°43 | M 4 |
| T 5 | 11 17 6 | 21°13'06 | 15°25 | 29°35 | 7°43 | 16°21 | 3°11 | 27° 0 | 14°39 | 5°36 | 18°26 | 13°24 | 14°43 | 17°36 | 25°47 | T 5 |
| W 6 | 11 21 3 | 22°12'28 | 27°23 | 1♓ 8 | 8°57 | 17° 7 | 3° 7 | 27° 7 | 14°38 | 5°35 | 18°27 | 13°22 | 14°40 | 17°42 | 25°50 | W 6 |
| T 7 | 11 25 0 | 23°11'48 | 9♎16 | 2°43 | 10°12 | 17°54 | 3° 2 | 27°14 | 14°37 | 5°34 | 18°27 | 13°D22 | 14°37 | 17°49 | 25°54 | T 7 |
| F 8 | 11 28 56 | 24°11'06 | 21° 4 | 4°19 | 11°26 | 18°41 | 2°58 | 27°21 | 14°36 | 5°33 | 18°28 | 13°22 | 14°34 | 17°56 | 25°58 | F 8 |
| S 9 | 11 32 53 | 25°10'22 | 2♏51 | 5°57 | 12°40 | 19°27 | 2°53 | 27°28 | 14°35 | 5°32 | 18°29 | 13°23 | 14°30 | 18° 2 | 26° 1 | S 9 |
| S 10 | 11 36 49 | 26° 9'36 | 14°41 | 7°35 | 13°55 | 20°14 | 2°49 | 27°34 | 14°33 | 5°31 | 18°30 | 13°24 | 14°27 | 18° 9 | 26° 5 | S 10 |
| M11 | 11 40 46 | 27° 8'48 | 26°35 | 9°16 | 15° 9 | 21° 0 | 2°44 | 27°41 | 14°32 | 5°30 | 18°31 | 13°26 | 14°24 | 18°16 | 26° 8 | M11 |
| T 12 | 11 44 42 | 28° 7'58 | 8♐40 | 10°57 | 16°23 | 21°47 | 2°39 | 27°48 | 14°30 | 5°29 | 18°32 | 13°27 | 14°21 | 18°22 | 26°12 | T 12 |
| W13 | 11 48 39 | 29° 7'07 | 20°58 | 12°41 | 17°37 | 22°34 | 2°34 | 27°54 | 14°29 | 5°27 | 18°33 | 13°28 | 14°18 | 18°29 | 26°16 | W13 |
| T 14 | 11 52 35 | 0♈ 6'14 | 3♑35 | 14°25 | 18°52 | 23°20 | 2°28 | 28° 1 | 14°27 | 5°26 | 18°34 | 13°R28 | 14°15 | 18°36 | 26°19 | T 14 |
| F 15 | 11 56 32 | 1° 5'19 | 16°34 | 16°11 | 20° 6 | 24° 7 | 2°23 | 28° 8 | 14°26 | 5°25 | 18°35 | 13°27 | 14°11 | 18°42 | 26°23 | F 15 |
| S 16 | 12 0 29 | 2° 4'22 | 29°59 | 17°58 | 21°20 | 24°53 | 2°17 | 28°14 | 14°24 | 5°24 | 18°36 | 13°26 | 14° 8 | 18°49 | 26°26 | S 16 |
| S 17 | 12 4 25 | 3° 3'23 | 13♒52 | 19°47 | 22°34 | 25°40 | 2°11 | 28°21 | 14°23 | 5°22 | 18°37 | 13°25 | 14° 5 | 18°55 | 26°30 | S 17 |
| M18 | 12 8 22 | 4° 2'23 | 28°10 | 21°37 | 23°49 | 26°27 | 2° 6 | 28°27 | 14°21 | 5°21 | 18°38 | 13°24 | 14° 2 | 19° 2 | 26°34 | M18 |
| T 19 | 12 12 18 | 5° 1'20 | 12♓53 | 23°29 | 25° 3 | 27°13 | 2° 0 | 28°34 | 14°19 | 5°20 | 18°39 | 13°23 | 13°59 | 19° 9 | 26°37 | T 19 |
| W20 | 12 16 15 | 6° 0'16 | 27°53 | 25°22 | 26°17 | 28° 0 | 1°53 | 28°40 | 14°17 | 5°18 | 18°40 | 13°22 | 13°55 | 19°15 | 26°41 | W20 |
| T 21 | 12 20 11 | 6°59'09 | 13♈ 2 | 27°17 | 27°31 | 28°46 | 1°47 | 28°46 | 14°16 | 5°17 | 18°41 | 13°D22 | 13°52 | 19°22 | 26°44 | T 21 |
| F 22 | 12 24 8 | 7°58'01 | 28°11 | 29°13 | 28°46 | 29°33 | 1°41 | 28°53 | 14°14 | 5°16 | 18°42 | 13°22 | 13°49 | 19°29 | 26°48 | F 22 |
| S 23 | 12 28 4 | 8°56'50 | 13♉11 | 1♈10 | 29°59 | 0♓19 | 1°34 | 28°59 | 14°12 | 5°14 | 18°43 | 13°23 | 13°46 | 19°35 | 26°52 | S 23 |
| S 24 | 12 32 1 | 9°55'38 | 27°55 | 3° 9 | 1♈14 | 1° 6 | 1°28 | 29° 5 | 14°10 | 5°13 | 18°44 | 13°23 | 13°43 | 19°42 | 26°55 | S 24 |
| M25 | 12 35 57 | 10°54'23 | 12♊16 | 5°10 | 2°28 | 1°52 | 1°21 | 29°11 | 14° 8 | 5°11 | 18°45 | 13°23 | 13°40 | 19°49 | 26°59 | M25 |
| T 26 | 12 39 54 | 11°53'05 | 26°12 | 7°11 | 3°42 | 2°39 | 1°14 | 29°17 | 14° 6 | 5°10 | 18°46 | 13°23 | 13°36 | 19°55 | 27° 2 | T 26 |
| W27 | 12 43 51 | 12°51'46 | 9♋44 | 9°14 | 4°56 | 3°25 | 1° 7 | 29°23 | 14° 4 | 5° 8 | 18°47 | 13°23 | 13°33 | 20° 2 | 27° 6 | W27 |
| T 28 | 12 47 47 | 13°50'24 | 22°52 | 11°18 | 6°11 | 4°12 | 1° 1 | 29°29 | 14° 2 | 5° 7 | 18°48 | 13°23 | 13°30 | 20° 9 | 27° 9 | T 28 |
| F 29 | 12 51 44 | 14°49'00 | 5♌38 | 13°23 | 7°25 | 4°58 | 0°54 | 29°35 | 14° 0 | 5° 5 | 18°49 | 13°23 | 13°27 | 20°15 | 27°13 | F 29 |
| S 30 | 12 55 40 | 15°47'33 | 18° 7 | 15°29 | 8°39 | 5°45 | 0°46 | 29°41 | 13°58 | 5° 4 | 18°51 | 13°24 | 13°24 | 20°22 | 27°16 | S 30 |
| S 31 | 12 59 37 | 16♈46'05 | 0♍22 | 17♈36 | 9♈53 | 6♓31 | 0♏39 | 29♒47 | 13♏56 | 5♏ 2 | 18♉52 | 13♎24 | 13♎20 | 20♎28 | 27♓20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s 3 | 16n 2 | 5s 7 | 15s36 | 1s59 | 11s47 | 1s20 | 18s 0 | 1s 8 | 11s22 | 1n26 | 14s 4 | 1s26 | 15s59 | 0n22 | 11s41 | 1n53 | 4n48 | 13s 4 | 5s25 | 5s54 | 6s35 | 1n19 | 3n23 |
| S 2 | 4 40 | 13 37 | 4 45 | 15 10 | 2 3 | 11 21 | 1 21 | 17 47 | 1 8 | 11 21 | 1 26 | 14 2 | 1 26 | 15 58 | 0 22 | 11 41 | 1 53 | 4 48 | 13 4 | 5 23 | 5 53 | 6 37 | 1 20 | 3 23 |
| S 3 | 4 17 | 10 36 | 4 10 | 14 43 | 2 7 | 10 55 | 1 22 | 17 34 | 1 9 | 11 20 | 1 26 | 13 59 | 1 26 | 15 58 | 0 22 | 11 41 | 1 53 | 4 49 | 13 4 | 5 22 | 5 52 | 6 38 | 1 22 | 3 23 |
| M 4 | 3 53 | 7 11 | 3 23 | 14 14 | 2 10 | 10 28 | 1 23 | 17 20 | 1 9 | 11 18 | 1 26 | 13 57 | 1 26 | 15 58 | 0 22 | 11 40 | 1 54 | 4 49 | 13 3 | 5 20 | 5 51 | 6 40 | 1 23 | 3 23 |
| T 5 | 3 30 | 3 30 | 2 28 | 13 44 | 2 13 | 10 1 | 1 24 | 17 7 | 1 10 | 11 17 | 1 26 | 13 55 | 1 26 | 15 58 | 0 22 | 11 40 | 1 54 | 4 50 | 13 3 | 5 19 | 5 50 | 6 42 | 1 25 | 3 22 |
| W 6 | 3 6 | 0s17 | 1 27 | 13 13 | 2 15 | 9 33 | 1 24 | 16 53 | 1 10 | 11 15 | 1 27 | 13 52 | 1 26 | 15 57 | 0 22 | 11 40 | 1 54 | 4 50 | 13 3 | 5 18 | 5 48 | 6 44 | 1 26 | 3 22 |
| T 7 | 2 43 | 4 2 | 0 23 | 12 41 | 2 17 | 9 6 | 1 25 | 16 39 | 1 10 | 11 13 | 1 27 | 13 50 | 1 26 | 15 57 | 0 22 | 11 39 | 1 54 | 4 50 | 13 3 | 5 18 | 5 47 | 6 45 | 1 27 | 3 22 |
| F 8 | 2 19 | 7 36 | 0n43 | 12 7 | 2 18 | 8 38 | 1 26 | 16 25 | 1 11 | 11 12 | 1 27 | 13 48 | 1 26 | 15 56 | 0 22 | 11 39 | 1 54 | 4 51 | 13 2 | 5 18 | 5 46 | 6 47 | 1 29 | 3 22 |
| S 9 | 1 56 | 10 52 | 1 46 | 11 31 | 2 19 | 8 10 | 1 26 | 16 11 | 1 11 | 11 10 | 1 27 | 13 46 | 1 26 | 15 56 | 0 22 | 11 38 | 1 54 | 4 51 | 13 2 | 5 18 | 5 45 | 6 49 | 1 30 | 3 22 |
| S 10 | 1 32 | 13 41 | 2 45 | 10 55 | 2 19 | 7 41 | 1 26 | 15 56 | 1 11 | 11 8 | 1 27 | 13 43 | 1 27 | 15 56 | 0 22 | 11 38 | 1 54 | 4 52 | 13 2 | 5 19 | 5 43 | 6 50 | 1 31 | 3 22 |
| M11 | 1 8 | 15 57 | 3 37 | 10 17 | 2 19 | 7 13 | 1 27 | 15 41 | 1 12 | 11 7 | 1 27 | 13 41 | 1 27 | 15 55 | 0 22 | 11 38 | 1 54 | 4 52 | 13 2 | 5 19 | 5 42 | 6 52 | 1 33 | 3 22 |
| T 12 | 0 45 | 17 33 | 4 21 | 9 37 | 2 18 | 6 44 | 1 27 | 15 27 | 1 12 | 11 5 | 1 27 | 13 39 | 1 27 | 15 55 | 0 22 | 11 37 | 1 54 | 4 53 | 13 1 | 5 20 | 5 41 | 6 54 | 1 34 | 3 22 |
| W13 | 0 21 | 18 22 | 4 53 | 8 57 | 2 17 | 6 15 | 1 27 | 15 12 | 1 12 | 11 3 | 1 27 | 13 37 | 1 27 | 15 54 | 0 22 | 11 37 | 1 54 | 4 53 | 13 1 | 5 20 | 5 40 | 6 56 | 1 36 | 3 22 |
| T 14 | 0n 2 | 18 17 | 5 13 | 8 15 | 2 16 | 5 46 | 1 27 | 14 57 | 1 13 | 11 1 | 1 28 | 13 35 | 1 27 | 15 54 | 0 22 | 11 36 | 1 54 | 4 54 | 13 1 | 5 20 | 5 38 | 6 57 | 1 37 | 3 22 |
| F 15 | 0 26 | 17 16 | 5 17 | 7 31 | 2 13 | 5 17 | 1 28 | 14 41 | 1 13 | 10 59 | 1 28 | 13 32 | 1 27 | 15 53 | 0 22 | 11 36 | 1 54 | 4 54 | 13 1 | 5 20 | 5 37 | 6 59 | 1 38 | 3 22 |
| S 16 | 0 50 | 15 17 | 5 4 | 6 47 | 2 11 | 4 47 | 1 28 | 14 26 | 1 13 | 10 57 | 1 28 | 13 30 | 1 27 | 15 53 | 0 22 | 11 35 | 1 54 | 4 55 | 13 1 | 5 20 | 5 36 | 7 1 | 1 40 | 3 22 |
| S 17 | 1 13 | 12 22 | 4 34 | 6 1 | 2 8 | 4 18 | 1 27 | 14 11 | 1 14 | 10 55 | 1 28 | 13 28 | 1 28 | 15 52 | 0 22 | 11 35 | 1 54 | 4 55 | 13 0 | 5 19 | 5 35 | 7 3 | 1 41 | 3 22 |
| M18 | 1 37 | 8 38 | 3 46 | 5 14 | 2 4 | 3 48 | 1 27 | 13 55 | 1 14 | 10 53 | 1 28 | 13 26 | 1 28 | 15 52 | 0 22 | 11 34 | 1 54 | 4 56 | 13 0 | 5 19 | 5 33 | 7 4 | 1 43 | 3 22 |
| T 19 | 2 0 | 4 16 | 2 42 | 4 26 | 2 0 | 3 19 | 1 27 | 13 39 | 1 14 | 10 51 | 1 28 | 13 24 | 1 28 | 15 51 | 0 22 | 11 34 | 1 54 | 4 56 | 13 0 | 5 18 | 5 32 | 7 6 | 1 44 | 3 22 |
| W20 | 2 24 | 0n27 | 1 25 | 3 37 | 1 55 | 2 49 | 1 27 | 13 23 | 1 15 | 10 48 | 1 28 | 13 22 | 1 28 | 15 51 | 0 22 | 11 33 | 1 54 | 4 57 | 13 0 | 5 18 | 5 31 | 7 8 | 1 45 | 3 22 |
| T 21 | 2 47 | 5 12 | 0 2 | 2 46 | 1 50 | 2 19 | 1 27 | 13 7 | 1 15 | 10 46 | 1 28 | 13 20 | 1 28 | 15 50 | 0 22 | 11 33 | 1 54 | 4 57 | 12 59 | 5 18 | 5 30 | 7 9 | 1 47 | 3 22 |
| F 22 | 3 10 | 9 36 | 1s22 | 1 55 | 1 45 | 1 49 | 1 26 | 12 51 | 1 15 | 10 44 | 1 28 | 13 18 | 1 28 | 15 50 | 0 22 | 11 32 | 1 54 | 4 58 | 12 59 | 5 18 | 5 29 | 7 11 | 1 48 | 3 22 |
| S 23 | 3 34 | 13 21 | 2 38 | 1 2 | 1 38 | 1 19 | 1 26 | 12 35 | 1 15 | 10 42 | 1 28 | 13 16 | 1 28 | 15 49 | 0 22 | 11 32 | 1 54 | 4 58 | 12 59 | 5 18 | 5 27 | 7 13 | 1 50 | 3 22 |
| S 24 | 3 57 | 16 9 | 3 43 | 0 8 | 1 32 | 0 49 | 1 25 | 12 19 | 1 16 | 10 39 | 1 28 | 13 14 | 1 29 | 15 49 | 0 22 | 11 31 | 1 54 | 4 58 | 12 59 | 5 18 | 5 26 | 7 15 | 1 51 | 3 22 |
| M25 | 4 20 | 17 52 | 4 33 | 0n46 | 1 24 | 0 19 | 1 25 | 12 2 | 1 16 | 10 37 | 1 29 | 13 12 | 1 29 | 15 48 | 0 22 | 11 31 | 1 54 | 4 59 | 12 59 | 5 18 | 5 25 | 7 16 | 1 52 | 3 22 |
| T 26 | 4 43 | 18 26 | 5 4 | 1 41 | 1 17 | 0n12 | 1 24 | 11 46 | 1 16 | 10 34 | 1 29 | 13 10 | 1 29 | 15 48 | 0 22 | 11 30 | 1 54 | 4 59 | 12 58 | 5 18 | 5 24 | 7 18 | 1 54 | 3 22 |
| W27 | 5 6 | 17 55 | 5 17 | 2 38 | 1 9 | 0 42 | 1 23 | 11 29 | 1 16 | 10 32 | 1 29 | 13 8 | 1 29 | 15 47 | 0 22 | 11 30 | 1 54 | 5 0 | 12 58 | 5 19 | 5 22 | 7 20 | 1 55 | 3 22 |
| T 28 | 5 29 | 16 27 | 5 14 | 3 34 | 1 0 | 1 12 | 1 23 | 11 12 | 1 17 | 10 30 | 1 29 | 13 6 | 1 29 | 15 46 | 0 22 | 11 29 | 1 54 | 5 0 | 12 58 | 5 19 | 5 21 | 7 21 | 1 57 | 3 22 |
| F 29 | 5 52 | 14 11 | 4 55 | 4 32 | 0 51 | 1 42 | 1 22 | 10 55 | 1 17 | 10 27 | 1 29 | 13 4 | 1 29 | 15 46 | 0 22 | 11 29 | 1 54 | 5 1 | 12 58 | 5 19 | 5 20 | 7 23 | 1 58 | 3 22 |
| S 30 | 6 15 | 11 19 | 4 22 | 5 29 | 0 41 | 2 12 | 1 21 | 10 38 | 1 17 | 10 25 | 1 29 | 13 2 | 1 29 | 15 45 | 0 22 | 11 28 | 1 54 | 5 1 | 12 58 | 5 19 | 5 19 | 7 25 | 1 59 | 3 22 |
| S 31 | 6n37 | 8n 0 | 3s37 | 6n27 | 0s32 | 2n42 | 1s20 | 10s21 | 1s17 | 10s22 | 1n29 | 13s 0 | 1s30 | 15s44 | 0n22 | 11s28 | 1n54 | 5n 2 | 12s57 | 5s19 | 5s17 | 7s26 | 2n 1 | 3n22 |

Julian Day Number = 2137502.5, Delta T = 15m44s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'09, Lahiri = 11°52'09 Julian Calendar 1 March 1140 == Greg. Calendar 8 March 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## APRIL 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 3 33 | 17♈44'34 | 12♍26 | 19♈44 | 11♈ 7 | 7♓17 | 0°R32 | 29♒53 | 13°R54 | 5°R 1 | 18♉53 | 13♎24 | 13♎17 | 20♎35 | 27♓23 | M 1 |
| T 2 | 13 7 30 | 18°43'01 | 24°22 | 21°51 | 12°21 | 8° 4 | 0♏25 | 29°58 | 13♏52 | 4♏59 | 18°54 | 13°25 | 13°14 | 20°42 | 27°27 | T 2 |
| W 3 | 13 11 26 | 19°41'26 | 6♎12 | 23°59 | 13°35 | 8°50 | 0°17 | 0♓ 4 | 13°49 | 4°58 | 18°55 | 13°25 | 13°11 | 20°48 | 27°30 | W 3 |
| T 4 | 13 15 23 | 20°39'49 | 18° 1 | 26° 7 | 14°49 | 9°36 | 0°10 | 0° 9 | 13°47 | 4°56 | 18°57 | 13°R25 | 13° 8 | 20°55 | 27°33 | T 4 |
| F 5 | 13 19 20 | 21°38'11 | 29°49 | 28°15 | 16° 3 | 10°23 | 0° 2 | 0°15 | 13°45 | 4°55 | 18°58 | 13°25 | 13° 5 | 21° 2 | 27°37 | F 5 |
| S 6 | 13 23 16 | 22°36'30 | 11♏38 | 0♉21 | 17°17 | 11° 9 | 29♎55 | 0°20 | 13°43 | 4°53 | 18°59 | 13°24 | 13° 1 | 21° 8 | 27°40 | S 6 |
| S 7 | 13 27 13 | 23°34'48 | 23°32 | 2°27 | 18°31 | 11°55 | 29°47 | 0°26 | 13°40 | 4°51 | 19° 0 | 13°23 | 12°58 | 21°15 | 27°43 | S 7 |
| M 8 | 13 31 9 | 24°33'04 | 5♐33 | 4°32 | 19°45 | 12°41 | 29°40 | 0°31 | 13°38 | 4°50 | 19° 1 | 13°21 | 12°55 | 21°22 | 27°47 | M 8 |
| T 9 | 13 35 6 | 25°31'18 | 17°43 | 6°34 | 20°59 | 13°27 | 29°32 | 0°36 | 13°36 | 4°48 | 19° 3 | 13°20 | 12°52 | 21°28 | 27°50 | T 9 |
| W10 | 13 39 2 | 26°29'31 | 0♑ 6 | 8°35 | 22°13 | 14°14 | 29°25 | 0°42 | 13°33 | 4°47 | 19° 4 | 13°18 | 12°49 | 21°35 | 27°53 | W10 |
| T 11 | 13 42 59 | 27°27'42 | 12°43 | 10°34 | 23°27 | 15° 0 | 29°17 | 0°47 | 13°31 | 4°45 | 19° 5 | 13°17 | 12°46 | 21°42 | 27°57 | T 11 |
| F 12 | 13 46 55 | 28°25'52 | 25°40 | 12°30 | 24°41 | 15°46 | 29° 9 | 0°52 | 13°29 | 4°43 | 19° 7 | 13°D16 | 12°42 | 21°48 | 28° 0 | F 12 |
| S 13 | 13 50 52 | 29°24'00 | 8♒58 | 14°24 | 25°55 | 16°32 | 29° 2 | 0°57 | 13°26 | 4°42 | 19° 8 | 13°17 | 12°39 | 21°55 | 28° 3 | S 13 |
| S 14 | 13 54 49 | 0♉22'07 | 22°40 | 16°15 | 27° 9 | 17°18 | 28°54 | 1° 2 | 13°24 | 4°40 | 19° 9 | 13°17 | 12°36 | 22° 2 | 28° 6 | S 14 |
| M15 | 13 58 45 | 1°20'13 | 6♓47 | 18° 2 | 28°23 | 18° 4 | 28°46 | 1° 6 | 13°22 | 4°39 | 19°10 | 13°19 | 12°33 | 22° 8 | 28° 9 | M15 |
| T 16 | 14 2 42 | 2°18'16 | 21°18 | 19°46 | 29°37 | 18°50 | 28°39 | 1°11 | 13°19 | 4°37 | 19°12 | 13°20 | 12°30 | 22°15 | 28°13 | T 16 |
| W17 | 14 6 38 | 3°16'19 | 6♈ 9 | 21°27 | 0♉51 | 19°36 | 28°31 | 1°16 | 13°17 | 4°35 | 19°13 | 13°R21 | 12°26 | 22°21 | 28°16 | W17 |
| T 18 | 14 10 35 | 4°14'20 | 21°14 | 23° 5 | 2° 5 | 20°22 | 28°24 | 1°21 | 13°14 | 4°34 | 19°14 | 13°21 | 12°23 | 22°28 | 28°19 | T 18 |
| F 19 | 14 14 31 | 5°12'19 | 6♉25 | 24°39 | 3°19 | 21° 8 | 28°16 | 1°25 | 13°12 | 4°32 | 19°16 | 13°20 | 12°20 | 22°35 | 28°22 | F 19 |
| S 20 | 14 18 28 | 6°10'17 | 21°32 | 26° 9 | 4°32 | 21°54 | 28° 8 | 1°30 | 13° 9 | 4°30 | 19°17 | 13°17 | 12°17 | 22°41 | 28°25 | S 20 |
| S 21 | 14 22 24 | 7° 8'13 | 6♊26 | 27°35 | 5°46 | 22°40 | 28° 1 | 1°34 | 13° 7 | 4°29 | 19°18 | 13°14 | 12°14 | 22°48 | 28°28 | S 21 |
| M22 | 14 26 21 | 8° 6'08 | 20°59 | 28°58 | 7° 0 | 23°25 | 27°53 | 1°38 | 13° 4 | 4°27 | 19°20 | 13°11 | 12°11 | 22°55 | 28°31 | M22 |
| T 23 | 14 30 18 | 9° 4'00 | 5♋ 7 | 0♊16 | 8°14 | 24°11 | 27°46 | 1°43 | 13° 2 | 4°26 | 19°21 | 13° 8 | 12° 7 | 23° 1 | 28°34 | T 23 |
| W24 | 14 34 14 | 10° 1'51 | 18°47 | 1°31 | 9°28 | 24°57 | 27°39 | 1°47 | 12°59 | 4°24 | 19°22 | 13° 5 | 12° 4 | 23° 8 | 28°37 | W24 |
| T 25 | 14 38 11 | 10°59'40 | 2♌ 0 | 2°41 | 10°42 | 25°42 | 27°31 | 1°51 | 12°57 | 4°22 | 19°24 | 13° 4 | 12° 1 | 23°15 | 28°39 | T 25 |
| F 26 | 14 42 7 | 11°57'28 | 14°47 | 3°48 | 11°56 | 26°28 | 27°24 | 1°55 | 12°54 | 4°21 | 19°25 | 13°D 4 | 11°58 | 23°21 | 28°42 | F 26 |
| S 27 | 14 46 4 | 12°55'13 | 27°14 | 4°50 | 13° 9 | 27°14 | 27°17 | 1°59 | 12°52 | 4°19 | 19°26 | 13° 4 | 11°55 | 23°28 | 28°45 | S 27 |
| S 28 | 14 50 0 | 13°52'57 | 9♍24 | 5°48 | 14°23 | 27°59 | 27°10 | 2° 3 | 12°49 | 4°17 | 19°28 | 13° 6 | 11°51 | 23°35 | 28°48 | S 28 |
| M29 | 14 53 57 | 14°50'39 | 21°22 | 6°42 | 15°37 | 28°45 | 27° 3 | 2° 6 | 12°47 | 4°16 | 19°29 | 13° 8 | 11°48 | 23°41 | 28°51 | M29 |
| T 30 | 14 57 53 | 15♉48'20 | 3♎13 | 7♊32 | 16♉51 | 29♓30 | 26♎56 | 2♓10 | 12♏44 | 4♏14 | 19♉30 | 13♎ 9 | 11♎45 | 23♎48 | 28♓53 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n 0 | 4n24 | 2s44 | 7n25 | 0s21 | 3n12 | 1s19 | 10s 4 | 1s17 | 10s20 | 1n29 | 12s58 | 1s30 | 15s44 | 0n22 | 11s27 | 1n54 | 5n 2 | 12s57 | 5s19 | 5s16 | 7s28 | 2n 2 | 3n22 |
| T 2 | 7 22 | 0 40 | 1 44 | 8 23 | 0 11 | 3 42 | 1 18 | 9 47 | 1 18 | 10 17 | 1 29 | 12 56 | 1 30 | 15 43 | 0 22 | 11 27 | 1 55 | 5 3 | 12 57 | 5 19 | 5 15 | 7 30 | 2 4 | 3 22 |
| W 3 | 7 44 | 3s 5 | 0 40 | 9 20 | 0 0 | 4 12 | 1 17 | 9 30 | 1 18 | 10 14 | 1 29 | 12 54 | 1 30 | 15 43 | 0 22 | 11 26 | 1 55 | 5 3 | 12 57 | 5 19 | 5 14 | 7 31 | 2 5 | 3 22 |
| T 4 | 8 6 | 6 42 | 0n25 | 10 17 | 0n10 | 4 42 | 1 16 | 9 12 | 1 18 | 10 12 | 1 29 | 12 53 | 1 30 | 15 42 | 0 22 | 11 26 | 1 55 | 5 4 | 12 57 | 5 19 | 5 12 | 7 33 | 2 6 | 3 22 |
| F 5 | 8 28 | 10 3 | 1 30 | 11 14 | 0 21 | 5 12 | 1 15 | 8 55 | 1 18 | 10 9 | 1 29 | 12 51 | 1 30 | 15 41 | 0 22 | 11 25 | 1 55 | 5 4 | 12 57 | 5 19 | 5 11 | 7 35 | 2 8 | 3 22 |
| S 6 | 8 50 | 13 1 | 2 30 | 12 9 | 0 32 | 5 41 | 1 13 | 8 37 | 1 18 | 10 7 | 1 29 | 12 49 | 1 31 | 15 41 | 0 22 | 11 25 | 1 55 | 5 5 | 12 56 | 5 19 | 5 10 | 7 37 | 2 9 | 3 22 |
| S 7 | 9 12 | 15 26 | 3 25 | 13 3 | 0 43 | 6 11 | 1 12 | 8 20 | 1 18 | 10 4 | 1 29 | 12 47 | 1 31 | 15 40 | 0 22 | 11 24 | 1 55 | 5 5 | 12 56 | 5 18 | 5 9 | 7 38 | 2 10 | 3 22 |
| M 8 | 9 33 | 17 13 | 4 11 | 13 56 | 0 54 | 6 40 | 1 11 | 8 2 | 1 19 | 10 1 | 1 29 | 12 45 | 1 31 | 15 39 | 0 22 | 11 23 | 1 55 | 5 6 | 12 56 | 5 18 | 5 7 | 7 40 | 2 12 | 3 22 |
| T 9 | 9 55 | 18 14 | 4 46 | 14 47 | 1 4 | 7 9 | 1 9 | 7 45 | 1 19 | 9 59 | 1 29 | 12 44 | 1 31 | 15 38 | 0 22 | 11 23 | 1 55 | 5 6 | 12 56 | 5 17 | 5 6 | 7 42 | 2 13 | 3 22 |
| W10 | 10 16 | 18 24 | 5 9 | 15 36 | 1 14 | 7 38 | 1 8 | 7 27 | 1 19 | 9 56 | 1 29 | 12 42 | 1 31 | 15 38 | 0 22 | 11 22 | 1 55 | 5 6 | 12 56 | 5 16 | 5 5 | 7 43 | 2 14 | 3 22 |
| T 11 | 10 37 | 17 41 | 5 17 | 16 23 | 1 24 | 8 7 | 1 6 | 7 9 | 1 19 | 9 53 | 1 29 | 12 40 | 1 32 | 15 37 | 0 22 | 11 22 | 1 55 | 5 7 | 12 56 | 5 16 | 5 4 | 7 45 | 2 16 | 3 22 |
| F 12 | 10 58 | 16 2 | 5 10 | 17 8 | 1 33 | 8 36 | 1 5 | 6 51 | 1 19 | 9 51 | 1 29 | 12 39 | 1 32 | 15 36 | 0 22 | 11 21 | 1 55 | 5 7 | 12 56 | 5 16 | 5 2 | 7 47 | 2 17 | 3 22 |
| S 13 | 11 19 | 13 30 | 4 46 | 17 51 | 1 42 | 9 5 | 1 3 | 6 33 | 1 19 | 9 48 | 1 29 | 12 37 | 1 32 | 15 36 | 0 22 | 11 21 | 1 55 | 5 8 | 12 56 | 5 16 | 5 1 | 7 48 | 2 18 | 3 22 |
| S 14 | 11 39 | 10 9 | 4 5 | 18 32 | 1 50 | 9 33 | 1 2 | 6 15 | 1 19 | 9 45 | 1 28 | 12 36 | 1 32 | 15 35 | 0 22 | 11 20 | 1 55 | 5 8 | 12 55 | 5 16 | 5 0 | 7 50 | 2 20 | 3 22 |
| M15 | 12 0 | 6 8 | 3 9 | 19 10 | 1 58 | 10 1 | 1 0 | 5 57 | 1 19 | 9 43 | 1 28 | 12 34 | 1 32 | 15 34 | 0 22 | 11 20 | 1 55 | 5 9 | 12 55 | 5 17 | 4 59 | 7 52 | 2 21 | 3 22 |
| T 16 | 12 20 | 1 39 | 1 59 | 19 46 | 2 5 | 10 29 | 0 58 | 5 39 | 1 19 | 9 40 | 1 28 | 12 33 | 1 33 | 15 33 | 0 22 | 11 19 | 1 55 | 5 9 | 12 55 | 5 17 | 4 57 | 7 53 | 2 22 | 3 22 |
| W17 | 12 40 | 3n 4 | 0 40 | 20 19 | 2 11 | 10 56 | 0 56 | 5 21 | 1 20 | 9 37 | 1 28 | 12 31 | 1 33 | 15 33 | 0 22 | 11 19 | 1 55 | 5 10 | 12 55 | 5 17 | 4 56 | 7 55 | 2 23 | 3 22 |
| T 18 | 12 59 | 7 39 | 0s43 | 20 49 | 2 16 | 11 24 | 0 54 | 5 3 | 1 20 | 9 35 | 1 28 | 12 30 | 1 33 | 15 32 | 0 22 | 11 18 | 1 55 | 5 10 | 12 55 | 5 17 | 4 55 | 7 57 | 2 25 | 3 22 |
| F 19 | 13 19 | 11 46 | 2 4 | 21 18 | 2 21 | 11 51 | 0 53 | 4 45 | 1 20 | 9 32 | 1 28 | 12 28 | 1 33 | 15 31 | 0 22 | 11 17 | 1 55 | 5 10 | 12 55 | 5 17 | 4 54 | 7 58 | 2 26 | 3 22 |
| S 20 | 13 38 | 15 5 | 3 15 | 21 43 | 2 25 | 12 18 | 0 51 | 4 27 | 1 20 | 9 29 | 1 28 | 12 27 | 1 33 | 15 30 | 0 22 | 11 17 | 1 55 | 5 11 | 12 55 | 5 16 | 4 53 | 8 0 | 2 27 | 3 22 |
| S 21 | 13 57 | 17 20 | 4 12 | 22 7 | 2 28 | 12 44 | 0 49 | 4 9 | 1 20 | 9 27 | 1 28 | 12 25 | 1 34 | 15 30 | 0 22 | 11 16 | 1 55 | 5 11 | 12 55 | 5 15 | 4 51 | 8 2 | 2 29 | 3 22 |
| M22 | 14 16 | 18 24 | 4 52 | 22 27 | 2 30 | 13 11 | 0 47 | 3 51 | 1 20 | 9 24 | 1 28 | 12 24 | 1 34 | 15 29 | 0 22 | 11 16 | 1 55 | 5 12 | 12 55 | 5 14 | 4 50 | 8 3 | 2 30 | 3 22 |
| T 23 | 14 35 | 18 16 | 5 12 | 22 46 | 2 31 | 13 37 | 0 45 | 3 32 | 1 20 | 9 22 | 1 28 | 12 23 | 1 34 | 15 28 | 0 22 | 11 15 | 1 55 | 5 12 | 12 55 | 5 12 | 4 49 | 8 5 | 2 31 | 3 22 |
| W24 | 14 53 | 17 3 | 5 13 | 23 2 | 2 32 | 14 2 | 0 43 | 3 14 | 1 20 | 9 19 | 1 28 | 12 21 | 1 34 | 15 27 | 0 22 | 11 15 | 1 55 | 5 13 | 12 54 | 5 11 | 4 48 | 8 7 | 2 32 | 3 22 |
| T 25 | 15 12 | 14 58 | 4 58 | 23 16 | 2 31 | 14 27 | 0 41 | 2 56 | 1 20 | 9 17 | 1 27 | 12 20 | 1 34 | 15 27 | 0 22 | 11 14 | 1 55 | 5 13 | 12 54 | 5 11 | 4 46 | 8 8 | 2 33 | 3 22 |
| F 26 | 15 30 | 12 12 | 4 28 | 23 27 | 2 30 | 14 52 | 0 39 | 2 38 | 1 20 | 9 14 | 1 27 | 12 19 | 1 35 | 15 26 | 0 22 | 11 14 | 1 55 | 5 13 | 12 54 | 5 11 | 4 45 | 8 10 | 2 35 | 3 23 |
| S 27 | 15 47 | 8 57 | 3 46 | 23 36 | 2 27 | 15 17 | 0 36 | 2 20 | 1 20 | 9 12 | 1 27 | 12 17 | 1 35 | 15 25 | 0 22 | 11 13 | 1 55 | 5 14 | 12 54 | 5 11 | 4 44 | 8 12 | 2 36 | 3 23 |
| S 28 | 16 5 | 5 23 | 2 55 | 23 44 | 2 24 | 15 41 | 0 34 | 2 1 | 1 20 | 9 9 | 1 27 | 12 16 | 1 35 | 15 24 | 0 22 | 11 13 | 1 55 | 5 14 | 12 54 | 5 12 | 4 43 | 8 13 | 2 37 | 3 23 |
| M29 | 16 22 | 1 39 | 1 57 | 23 49 | 2 19 | 16 5 | 0 32 | 1 43 | 1 20 | 9 7 | 1 27 | 12 15 | 1 35 | 15 24 | 0 22 | 11 12 | 1 55 | 5 15 | 12 54 | 5 12 | 4 41 | 8 15 | 2 38 | 3 23 |
| T 30 | 16n39 | 2s 7 | 0s54 | 23n52 | 2n14 | 16n28 | 0s30 | 1s25 | 1s20 | 9s 5 | 1n27 | 12s14 | 1s35 | 15s23 | 0n22 | 11s12 | 1n55 | 5n15 | 12s54 | 5s13 | 4s40 | 8s17 | 2n39 | 3n23 |

Julian Day Number = 2137533.5, Delta T = 15m44s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'13, Lahiri = 11°52'14 Julian Calendar 1 Apr. 1140 == Greg. Calendar 8 Apr. 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## MAY 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 1 50 | 16♉45'59 | 15♎ 0 | 8♊17 | 18♉ 5 | 0♈16 | 26°R49 | 2♓14 | 12°R42 | 4°R13 | 19♉32 | 13°R 9 | 11♎42 | 23♎55 | 28♓56 | W 1 |
| T 2 | 15 5 46 | 17°43'37 | 26°47 | 8°57 | 19°18 | 1° 1 | 26♎42 | 2°17 | 12♏39 | 4♏11 | 19°33 | 13♎ 8 | 11°39 | 24° 1 | 28°59 | T 2 |
| F 3 | 15 9 43 | 18°41'13 | 8♏37 | 9°33 | 20°32 | 1°46 | 26°36 | 2°20 | 12°37 | 4°10 | 19°34 | 13° 6 | 11°36 | 24° 8 | 29° 1 | F 3 |
| S 4 | 15 13 40 | 19°38'48 | 20°33 | 10° 5 | 21°46 | 2°32 | 26°29 | 2°24 | 12°34 | 4° 8 | 19°36 | 13° 1 | 11°32 | 24°14 | 29° 4 | S 4 |
| S 5 | 15 17 36 | 20°36'22 | 2♐36 | 10°32 | 23° 0 | 3°17 | 26°23 | 2°27 | 12°32 | 4° 6 | 19°37 | 12°56 | 11°29 | 24°21 | 29° 6 | S 5 |
| M 6 | 15 21 33 | 21°33'54 | 14°47 | 10°54 | 24°13 | 4° 2 | 26°16 | 2°30 | 12°29 | 4° 5 | 19°39 | 12°49 | 11°26 | 24°28 | 29° 9 | M 6 |
| T 7 | 15 25 29 | 22°31'26 | 27° 9 | 11°11 | 25°27 | 4°47 | 26°10 | 2°33 | 12°27 | 4° 3 | 19°40 | 12°42 | 11°23 | 24°34 | 29°11 | T 7 |
| W 8 | 15 29 26 | 23°28'56 | 9♑42 | 11°24 | 26°41 | 5°32 | 26° 4 | 2°36 | 12°24 | 4° 2 | 19°41 | 12°36 | 11°20 | 24°41 | 29°14 | W 8 |
| T 9 | 15 33 22 | 24°26'26 | 22°29 | 11°32 | 27°55 | 6°17 | 25°58 | 2°39 | 12°22 | 4° 0 | 19°43 | 12°30 | 11°17 | 24°48 | 29°16 | T 9 |
| F 10 | 15 37 19 | 25°23'55 | 5♒30 | 11°R35 | 29° 8 | 7° 2 | 25°52 | 2°42 | 12°20 | 3°59 | 19°44 | 12°27 | 11°13 | 24°54 | 29°19 | F 10 |
| S 11 | 15 41 15 | 26°21'22 | 18°48 | 11°34 | 0♊22 | 7°47 | 25°46 | 2°45 | 12°17 | 3°57 | 19°45 | 12°25 | 11°10 | 25° 1 | 29°21 | S 11 |
| S 12 | 15 45 12 | 27°18'49 | 2♓24 | 11°28 | 1°36 | 8°32 | 25°41 | 2°47 | 12°15 | 3°56 | 19°47 | 12°D25 | 11° 7 | 25° 8 | 29°23 | S 12 |
| M13 | 15 49 9 | 28°16'16 | 16°20 | 11°18 | 2°50 | 9°17 | 25°35 | 2°50 | 12°12 | 3°54 | 19°48 | 12°26 | 11° 4 | 25°14 | 29°25 | M13 |
| T 14 | 15 53 5 | 29°13'41 | 0♈35 | 11° 4 | 4° 3 | 10° 2 | 25°30 | 2°52 | 12°10 | 3°53 | 19°49 | 12°27 | 11° 1 | 25°21 | 29°28 | T 14 |
| W15 | 15 57 2 | 0♊11'06 | 15° 9 | 10°46 | 5°17 | 10°47 | 25°24 | 2°55 | 12° 8 | 3°52 | 19°51 | 12°R27 | 10°57 | 25°28 | 29°30 | W15 |
| T 16 | 16 0 58 | 1° 8'30 | 29°57 | 10°24 | 6°31 | 11°31 | 25°19 | 2°57 | 12° 5 | 3°50 | 19°52 | 12°26 | 10°54 | 25°34 | 29°32 | T 16 |
| F 17 | 16 4 55 | 2° 5'54 | 14♉54 | 10° 0 | 7°44 | 12°16 | 25°14 | 2°59 | 12° 3 | 3°49 | 19°53 | 12°23 | 10°51 | 25°41 | 29°34 | F 17 |
| S 18 | 16 8 51 | 3° 3'17 | 29°52 | 9°32 | 8°58 | 13° 0 | 25°10 | 3° 1 | 12° 1 | 3°47 | 19°55 | 12°17 | 10°48 | 25°48 | 29°36 | S 18 |
| S 19 | 16 12 48 | 4° 0'39 | 14♊42 | 9° 3 | 10°12 | 13°45 | 25° 5 | 3° 3 | 11°58 | 3°46 | 19°56 | 12°10 | 10°45 | 25°54 | 29°38 | S 19 |
| M20 | 16 16 44 | 4°58'00 | 29°16 | 8°31 | 11°25 | 14°29 | 25° 1 | 3° 5 | 11°56 | 3°45 | 19°57 | 12° 2 | 10°42 | 26° 1 | 29°40 | M20 |
| T 21 | 16 20 41 | 5°55'20 | 13♋27 | 7°58 | 12°39 | 15°14 | 24°56 | 3° 7 | 11°54 | 3°43 | 19°59 | 11°54 | 10°38 | 26° 7 | 29°42 | T 21 |
| W22 | 16 24 38 | 6°52'40 | 27°11 | 7°25 | 13°53 | 15°58 | 24°52 | 3° 8 | 11°52 | 3°42 | 20° 0 | 11°47 | 10°35 | 26°14 | 29°43 | W22 |
| T 23 | 16 28 34 | 7°49'58 | 10♌28 | 6°51 | 15° 7 | 16°43 | 24°48 | 3°10 | 11°50 | 3°41 | 20° 1 | 11°42 | 10°32 | 26°21 | 29°45 | T 23 |
| F 24 | 16 32 31 | 8°47'15 | 23°18 | 6°18 | 16°20 | 17°27 | 24°44 | 3°11 | 11°47 | 3°39 | 20° 3 | 11°38 | 10°29 | 26°27 | 29°47 | F 24 |
| S 25 | 16 36 27 | 9°44'32 | 5♍46 | 5°46 | 17°34 | 18°11 | 24°41 | 3°13 | 11°45 | 3°38 | 20° 4 | 11°D37 | 10°26 | 26°34 | 29°49 | S 25 |
| S 26 | 16 40 24 | 10°41'47 | 17°57 | 5°15 | 18°47 | 18°55 | 24°37 | 3°14 | 11°43 | 3°37 | 20° 5 | 11°37 | 10°23 | 26°41 | 29°50 | S 26 |
| M27 | 16 44 20 | 11°39'02 | 29°54 | 4°47 | 20° 1 | 19°39 | 24°34 | 3°15 | 11°41 | 3°36 | 20° 7 | 11°38 | 10°19 | 26°47 | 29°52 | M27 |
| T 28 | 16 48 17 | 12°36'15 | 11♎43 | 4°20 | 21°15 | 20°23 | 24°30 | 3°16 | 11°39 | 3°35 | 20° 8 | 11°R39 | 10°16 | 26°54 | 29°53 | T 28 |
| W29 | 16 52 13 | 13°33'28 | 23°31 | 3°57 | 22°28 | 21° 7 | 24°27 | 3°17 | 11°37 | 3°33 | 20° 9 | 11°38 | 10°13 | 27° 1 | 29°55 | W29 |
| T 30 | 16 56 10 | 14°30'41 | 5♏20 | 3°38 | 23°42 | 21°51 | 24°25 | 3°18 | 11°35 | 3°32 | 20°10 | 11°35 | 10°10 | 27° 7 | 29°56 | T 30 |
| F 31 | 17 0 7 | 15♊27'52 | 17♏15 | 3♊22 | 24♊56 | 22♈34 | 24♎22 | 3♓19 | 11♏33 | 3♏31 | 20♉12 | 11♎30 | 10♎ 7 | 27♎14 | 29♓58 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n55 | 5s47 | 0n10 | 23n53 | 2n 8 | 16n51 | 0s28 | 1s 7 | 1s20 | 9s 2 | 1n27 | 12s13 | 1s36 | 15s22 | 0n22 | 11s11 | 1n55 | 5n15 | 12s54 | 5s13 | 4s39 | 8s18 | 2n40 | 3n23 |
| T 2 | 17 12 | 9 13 | 1 14 | 23 53 | 2 1 | 17 14 | 0 25 | 0 49 | 1 19 | 9 0 | 1 26 | 12 12 | 1 36 | 15 21 | 0 22 | 11 11 | 1 55 | 5 16 | 12 54 | 5 13 | 4 38 | 8 20 | 2 42 | 3 23 |
| F 3 | 17 28 | 12 19 | 2 15 | 23 50 | 1 52 | 17 36 | 0 23 | 0 30 | 1 19 | 8 58 | 1 26 | 12 11 | 1 36 | 15 21 | 0 22 | 11 10 | 1 55 | 5 16 | 12 54 | 5 12 | 4 36 | 8 22 | 2 43 | 3 23 |
| S 4 | 17 44 | 14 55 | 3 10 | 23 46 | 1 43 | 17 57 | 0 21 | 0 12 | 1 19 | 8 56 | 1 26 | 12 10 | 1 36 | 15 20 | 0 22 | 11 9 | 1 55 | 5 16 | 12 54 | 5 10 | 4 35 | 8 23 | 2 44 | 3 23 |
| S 5 | 17 59 | 16 54 | 3 57 | 23 40 | 1 33 | 18 18 | 0 18 | 0n 6 | 1 19 | 8 53 | 1 26 | 12 9 | 1 36 | 15 19 | 0 22 | 11 9 | 1 55 | 5 17 | 12 54 | 5 8 | 4 34 | 8 25 | 2 45 | 3 23 |
| M 6 | 18 14 | 18 8 | 4 34 | 23 32 | 1 22 | 18 39 | 0 16 | 0 24 | 1 19 | 8 51 | 1 26 | 12 8 | 1 37 | 15 18 | 0 22 | 11 8 | 1 54 | 5 17 | 12 54 | 5 5 | 4 33 | 8 26 | 2 46 | 3 23 |
| T 7 | 18 29 | 18 32 | 4 59 | 23 23 | 1 10 | 18 59 | 0 14 | 0 42 | 1 19 | 8 49 | 1 25 | 12 7 | 1 37 | 15 18 | 0 22 | 11 8 | 1 54 | 5 18 | 12 54 | 5 2 | 4 31 | 8 28 | 2 47 | 3 23 |
| W 8 | 18 44 | 18 3 | 5 10 | 23 12 | 0 57 | 19 19 | 0 11 | 1 0 | 1 19 | 8 47 | 1 25 | 12 6 | 1 37 | 15 17 | 0 22 | 11 7 | 1 54 | 5 18 | 12 54 | 5 0 | 4 30 | 8 30 | 2 48 | 3 23 |
| T 9 | 18 58 | 16 39 | 5 5 | 22 59 | 0 44 | 19 38 | 0 9 | 1 18 | 1 19 | 8 45 | 1 25 | 12 5 | 1 37 | 15 16 | 0 22 | 11 7 | 1 54 | 5 18 | 12 54 | 4 58 | 4 29 | 8 31 | 2 49 | 3 24 |
| F 10 | 19 12 | 14 22 | 4 45 | 22 46 | 0 29 | 19 57 | 0 7 | 1 36 | 1 19 | 8 43 | 1 25 | 12 4 | 1 38 | 15 16 | 0 22 | 11 7 | 1 54 | 5 19 | 12 54 | 4 56 | 4 28 | 8 33 | 2 50 | 3 24 |
| S 11 | 19 26 | 11 18 | 4 10 | 22 30 | 0 14 | 20 15 | 0 4 | 1 54 | 1 18 | 8 41 | 1 25 | 12 4 | 1 38 | 15 15 | 0 22 | 11 6 | 1 54 | 5 19 | 12 54 | 4 56 | 4 26 | 8 35 | 2 51 | 3 24 |
| S 12 | 19 39 | 7 34 | 3 20 | 22 14 | 0s 2 | 20 33 | 0 2 | 2 12 | 1 18 | 8 39 | 1 24 | 12 3 | 1 38 | 15 14 | 0 22 | 11 6 | 1 54 | 5 19 | 12 54 | 4 56 | 4 25 | 8 36 | 2 52 | 3 24 |
| M13 | 19 52 | 3 19 | 2 17 | 21 57 | 0 18 | 20 50 | 0n 0 | 2 30 | 1 18 | 8 38 | 1 24 | 12 2 | 1 38 | 15 13 | 0 22 | 11 5 | 1 54 | 5 20 | 12 54 | 4 56 | 4 24 | 8 38 | 2 53 | 3 24 |
| T 14 | 20 5 | 1n13 | 1 4 | 21 38 | 0 35 | 21 6 | 0 3 | 2 48 | 1 18 | 8 36 | 1 24 | 12 2 | 1 38 | 15 13 | 0 22 | 11 5 | 1 54 | 5 20 | 12 54 | 4 56 | 4 23 | 8 40 | 2 54 | 3 24 |
| W15 | 20 17 | 5 46 | 0s15 | 21 19 | 0 52 | 21 22 | 0 5 | 3 6 | 1 18 | 8 34 | 1 24 | 12 1 | 1 39 | 15 12 | 0 22 | 11 4 | 1 54 | 5 20 | 12 54 | 4 57 | 4 21 | 8 41 | 2 55 | 3 24 |
| T 16 | 20 29 | 10 3 | 1 33 | 20 59 | 1 9 | 21 37 | 0 8 | 3 23 | 1 18 | 8 33 | 1 24 | 12 0 | 1 39 | 15 11 | 0 22 | 11 4 | 1 54 | 5 21 | 12 54 | 4 56 | 4 20 | 8 43 | 2 56 | 3 24 |
| F 17 | 20 41 | 13 44 | 2 46 | 20 38 | 1 26 | 21 52 | 0 10 | 3 41 | 1 17 | 8 31 | 1 23 | 12 0 | 1 39 | 15 11 | 0 22 | 11 3 | 1 54 | 5 21 | 12 54 | 4 55 | 4 19 | 8 44 | 2 57 | 3 24 |
| S 18 | 20 52 | 16 31 | 3 47 | 20 17 | 1 43 | 22 6 | 0 12 | 3 59 | 1 17 | 8 29 | 1 23 | 11 59 | 1 39 | 15 10 | 0 22 | 11 3 | 1 54 | 5 21 | 12 54 | 4 53 | 4 18 | 8 46 | 2 58 | 3 24 |
| S 19 | 21 3 | 18 9 | 4 33 | 19 56 | 2 0 | 22 19 | 0 15 | 4 16 | 1 17 | 8 28 | 1 23 | 11 59 | 1 40 | 15 9 | 0 22 | 11 2 | 1 54 | 5 22 | 12 54 | 4 50 | 4 16 | 8 48 | 2 59 | 3 25 |
| M20 | 21 13 | 18 34 | 4 59 | 19 34 | 2 17 | 22 32 | 0 17 | 4 34 | 1 17 | 8 27 | 1 23 | 11 58 | 1 40 | 15 9 | 0 22 | 11 2 | 1 54 | 5 22 | 12 54 | 4 47 | 4 15 | 8 49 | 3 0 | 3 25 |
| T 21 | 21 24 | 17 47 | 5 7 | 19 14 | 2 33 | 22 44 | 0 19 | 4 51 | 1 16 | 8 25 | 1 22 | 11 58 | 1 40 | 15 8 | 0 22 | 11 2 | 1 54 | 5 22 | 12 54 | 4 44 | 4 14 | 8 51 | 3 0 | 3 25 |
| W22 | 21 33 | 15 59 | 4 56 | 18 53 | 2 48 | 22 56 | 0 22 | 5 8 | 1 16 | 8 24 | 1 22 | 11 57 | 1 40 | 15 7 | 0 22 | 11 1 | 1 54 | 5 22 | 12 54 | 4 41 | 4 13 | 8 53 | 3 1 | 3 25 |
| T 23 | 21 43 | 13 22 | 4 29 | 18 33 | 3 2 | 23 7 | 0 24 | 5 26 | 1 16 | 8 23 | 1 22 | 11 57 | 1 41 | 15 7 | 0 22 | 11 1 | 1 54 | 5 23 | 12 54 | 4 39 | 4 11 | 8 54 | 3 2 | 3 25 |
| F 24 | 21 52 | 10 12 | 3 50 | 18 15 | 3 16 | 23 17 | 0 26 | 5 43 | 1 16 | 8 22 | 1 22 | 11 57 | 1 41 | 15 6 | 0 22 | 11 0 | 1 54 | 5 23 | 12 54 | 4 37 | 4 10 | 8 56 | 3 3 | 3 25 |
| S 25 | 22 1 | 6 39 | 3 0 | 17 57 | 3 28 | 23 26 | 0 29 | 6 0 | 1 15 | 8 20 | 1 21 | 11 57 | 1 41 | 15 5 | 0 22 | 11 0 | 1 54 | 5 23 | 12 54 | 4 37 | 4 9 | 8 57 | 3 4 | 3 25 |
| S 26 | 22 9 | 2 53 | 2 4 | 17 41 | 3 39 | 23 35 | 0 31 | 6 17 | 1 15 | 8 19 | 1 21 | 11 56 | 1 41 | 15 5 | 0 22 | 11 0 | 1 54 | 5 24 | 12 54 | 4 37 | 4 8 | 8 59 | 3 4 | 3 25 |
| M27 | 22 17 | 0s55 | 1 3 | 17 26 | 3 49 | 23 43 | 0 33 | 6 34 | 1 15 | 8 18 | 1 21 | 11 56 | 1 42 | 15 4 | 0 22 | 10 59 | 1 54 | 5 24 | 12 54 | 4 37 | 4 6 | 9 1 | 3 5 | 3 25 |
| T 28 | 22 25 | 4 39 | 0n 0 | 17 13 | 3 58 | 23 51 | 0 36 | 6 51 | 1 15 | 8 17 | 1 21 | 11 56 | 1 42 | 15 3 | 0 22 | 10 59 | 1 54 | 5 24 | 12 54 | 4 37 | 4 5 | 9 2 | 3 6 | 3 26 |
| W29 | 22 32 | 8 12 | 1 3 | 17 1 | 4 5 | 23 58 | 0 38 | 7 8 | 1 14 | 8 17 | 1 20 | 11 56 | 1 42 | 15 3 | 0 22 | 10 59 | 1 54 | 5 24 | 12 54 | 4 37 | 4 4 | 9 4 | 3 7 | 3 26 |
| T 30 | 22 39 | 11 25 | 2 3 | 16 52 | 4 11 | 24 4 | 0 40 | 7 24 | 1 14 | 8 16 | 1 20 | 11 56 | 1 42 | 15 2 | 0 22 | 10 58 | 1 54 | 5 25 | 12 54 | 4 36 | 4 3 | 9 5 | 3 7 | 3 26 |
| F 31 | 22n45 | 14s13 | 2n58 | 16n45 | 4s15 | 24n 9 | 0n42 | 7n41 | 1s14 | 8s15 | 1n20 | 11s56 | 1s43 | 15s 2 | 0n21 | 10s58 | 1n54 | 5n25 | 12s55 | 4s34 | 4s 1 | 9s 7 | 3n 8 | 3n26 |

Julian Day Number = 2137563.5, Delta T = 15m44s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'17, Lahiri = 11°52'18 Julian Calendar 1 May 1140 == Greg. Calendar 8 May 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## JUNE 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 4 3 | 16♊25'03 | 29♏18 | 3°R10 | 26♊ 9 | 23♈18 | 24°R19 | 3♓20 | 11°R31 | 3°R30 | 20♉13 | 11°R22 | 10♎ 3 | 27♎21 | 29♓59 | S 1 |
| S 2 | 17 8 0 | 17°22'14 | 11♐32 | 3♊ 2 | 27°23 | 24° 2 | 24♎17 | 3°20 | 11♏29 | 3♏29 | 20°14 | 11♎13 | 10° 0 | 27°27 | 0♈ 1 | S 2 |
| M 3 | 17 11 56 | 18°19'25 | 23°58 | 2°D59 | 28°36 | 24°45 | 24°15 | 3°21 | 11°28 | 3°28 | 20°15 | 11° 1 | 9°57 | 27°34 | 0° 2 | M 3 |
| T 4 | 17 15 53 | 19°16'35 | 6♑37 | 3° 1 | 29°50 | 25°29 | 24°13 | 3°21 | 11°26 | 3°27 | 20°16 | 10°50 | 9°54 | 27°41 | 0° 3 | T 4 |
| W 5 | 17 19 49 | 20°13'44 | 19°28 | 3° 7 | 1♋ 4 | 26°12 | 24°11 | 3°21 | 11°24 | 3°26 | 20°18 | 10°39 | 9°51 | 27°47 | 0° 4 | W 5 |
| T 6 | 17 23 46 | 21°10'54 | 2♒31 | 3°17 | 2°17 | 26°56 | 24°10 | 3°22 | 11°22 | 3°25 | 20°19 | 10°29 | 9°48 | 27°54 | 0° 5 | T 6 |
| F 7 | 17 27 43 | 22° 8'04 | 15°45 | 3°33 | 3°31 | 27°39 | 24° 8 | 3°R22 | 11°21 | 3°24 | 20°20 | 10°22 | 9°44 | 28° 1 | 0° 6 | F 7 |
| S 8 | 17 31 39 | 23° 5'13 | 29°12 | 3°53 | 4°44 | 28°22 | 24° 7 | 3°22 | 11°19 | 3°23 | 20°21 | 10°18 | 9°41 | 28° 7 | 0° 7 | S 8 |
| S 9 | 17 35 36 | 24° 2'23 | 12♓51 | 4°19 | 5°58 | 29° 5 | 24° 6 | 3°22 | 11°17 | 3°22 | 20°22 | 10°16 | 9°38 | 28°14 | 0° 8 | S 9 |
| M10 | 17 39 32 | 24°59'33 | 26°43 | 4°49 | 7°12 | 29°48 | 24° 5 | 3°21 | 11°16 | 3°21 | 20°24 | 10°D16 | 9°35 | 28°21 | 0° 9 | M10 |
| T 11 | 17 43 29 | 25°56'43 | 10♈48 | 5°23 | 8°25 | 0♉31 | 24° 4 | 3°21 | 11°14 | 3°20 | 20°25 | 10°R16 | 9°32 | 28°27 | 0°10 | T 11 |
| W12 | 17 47 25 | 26°53'53 | 25° 5 | 6° 3 | 9°39 | 1°14 | 24° 4 | 3°21 | 11°13 | 3°20 | 20°26 | 10°15 | 9°29 | 28°34 | 0°11 | W12 |
| T 13 | 17 51 22 | 27°51'03 | 9♉34 | 6°47 | 10°52 | 1°57 | 24° 4 | 3°20 | 11°11 | 3°19 | 20°27 | 10°13 | 9°25 | 28°40 | 0°12 | T 13 |
| F 14 | 17 55 18 | 28°48'14 | 24° 9 | 7°35 | 12° 6 | 2°40 | 24°D 3 | 3°19 | 11°10 | 3°18 | 20°28 | 10° 8 | 9°22 | 28°47 | 0°12 | F 14 |
| S 15 | 17 59 15 | 29°45'25 | 8♊46 | 8°28 | 13°20 | 3°23 | 24° 3 | 3°19 | 11° 8 | 3°17 | 20°29 | 10° 0 | 9°19 | 28°54 | 0°13 | S 15 |
| S 16 | 18 3 12 | 0♋42'36 | 23°18 | 9°26 | 14°33 | 4° 5 | 24° 4 | 3°18 | 11° 7 | 3°17 | 20°30 | 9°50 | 9°16 | 29° 0 | 0°14 | S 16 |
| M17 | 18 7 8 | 1°39'48 | 7♋38 | 10°28 | 15°47 | 4°48 | 24° 4 | 3°17 | 11° 6 | 3°16 | 20°31 | 9°39 | 9°13 | 29° 7 | 0°14 | M17 |
| T 18 | 18 11 5 | 2°36'59 | 21°40 | 11°34 | 17° 0 | 5°30 | 24° 5 | 3°16 | 11° 4 | 3°15 | 20°32 | 9°27 | 9° 9 | 29°14 | 0°15 | T 18 |
| W19 | 18 15 1 | 3°34'10 | 5♌19 | 12°45 | 18°14 | 6°13 | 24° 5 | 3°15 | 11° 3 | 3°15 | 20°33 | 9°17 | 9° 6 | 29°20 | 0°15 | W19 |
| T 20 | 18 18 58 | 4°31'22 | 18°33 | 14° 0 | 19°27 | 6°55 | 24° 6 | 3°14 | 11° 2 | 3°14 | 20°34 | 9° 9 | 9° 3 | 29°27 | 0°15 | T 20 |
| F 21 | 18 22 54 | 5°28'33 | 1♍24 | 15°19 | 20°41 | 7°37 | 24° 7 | 3°12 | 11° 1 | 3°14 | 20°35 | 9° 3 | 9° 0 | 29°34 | 0°16 | F 21 |
| S 22 | 18 26 51 | 6°25'45 | 13°52 | 16°42 | 21°54 | 8°19 | 24° 9 | 3°11 | 11° 0 | 3°13 | 20°37 | 9° 0 | 8°57 | 29°40 | 0°16 | S 22 |
| S 23 | 18 30 47 | 7°22'56 | 26° 3 | 18° 9 | 23° 8 | 9° 1 | 24°10 | 3°10 | 10°59 | 3°13 | 20°37 | 8°58 | 8°54 | 29°47 | 0°16 | S 23 |
| M24 | 18 34 44 | 8°20'07 | 8♎ 1 | 19°40 | 24°22 | 9°43 | 24°12 | 3° 8 | 10°58 | 3°12 | 20°38 | 8°58 | 8°50 | 29°54 | 0°17 | M24 |
| T 25 | 18 38 41 | 9°17'19 | 19°52 | 21°15 | 25°35 | 10°25 | 24°13 | 3° 6 | 10°57 | 3°12 | 20°39 | 8°58 | 8°47 | 0♏ 0 | 0°17 | T 25 |
| W26 | 18 42 37 | 10°14'31 | 1♏40 | 22°53 | 26°49 | 11° 7 | 24°15 | 3° 5 | 10°56 | 3°11 | 20°40 | 8°57 | 8°44 | 0° 7 | 0°17 | W26 |
| T 27 | 18 46 34 | 11°11'43 | 13°32 | 24°35 | 28° 2 | 11°49 | 24°18 | 3° 3 | 10°55 | 3°11 | 20°41 | 8°54 | 8°41 | 0°14 | 0°R17 | T 27 |
| F 28 | 18 50 30 | 12° 8'55 | 25°32 | 26°21 | 29°16 | 12°30 | 24°20 | 3° 1 | 10°54 | 3°10 | 20°42 | 8°48 | 8°38 | 0°20 | 0°17 | F 28 |
| S 29 | 18 54 27 | 13° 6'07 | 7♐43 | 28°10 | 0♌29 | 13°12 | 24°23 | 2°59 | 10°54 | 3°10 | 20°43 | 8°40 | 8°35 | 0°27 | 0°17 | S 29 |
| S 30 | 18 58 23 | 14♋ 3'20 | 20♐ 8 | 0♋ 2 | 1♌43 | 13♉53 | 24♎25 | 2♓57 | 10♏53 | 3♏10 | 20♉44 | 8♎29 | 8♎31 | 0♏34 | 0♈16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n51 | 16s25 | 3n46 | 16n39 | 4s18 | 24n14 | 0n44 | 7n58 | 1s13 | 8s14 | 1n20 | 11s56 | 1s43 | 15s 1 | 0n21 | 10s58 | 1n54 | 5n25 | 12s55 | 4s31 | 4s 0 | 9s 9 | 3n 9 | 3n26 |
| S 2 | 22 57 | 17 55 | 4 24 | 16 36 | 4 20 | 24 18 | 0 46 | 8 14 | 1 13 | 8 14 | 1 19 | 11 56 | 1 43 | 15 0 | 0 21 | 10 57 | 1 54 | 5 25 | 12 55 | 4 27 | 3 59 | 9 10 | 3 9 | 3 26 |
| M 3 | 23 2 | 18 35 | 4 49 | 16 35 | 4 21 | 24 21 | 0 49 | 8 30 | 1 13 | 8 13 | 1 19 | 11 56 | 1 43 | 15 0 | 0 21 | 10 57 | 1 54 | 5 26 | 12 55 | 4 23 | 3 58 | 9 12 | 3 10 | 3 26 |
| T 4 | 23 7 | 18 22 | 5 2 | 16 36 | 4 20 | 24 23 | 0 51 | 8 47 | 1 12 | 8 13 | 1 19 | 11 56 | 1 43 | 14 59 | 0 21 | 10 57 | 1 54 | 5 26 | 12 55 | 4 18 | 3 56 | 9 13 | 3 10 | 3 26 |
| W 5 | 23 11 | 17 12 | 4 59 | 16 39 | 4 18 | 24 25 | 0 53 | 9 3 | 1 12 | 8 12 | 1 18 | 11 56 | 1 44 | 14 59 | 0 21 | 10 56 | 1 53 | 5 26 | 12 55 | 4 14 | 3 55 | 9 15 | 3 11 | 3 27 |
| T 6 | 23 15 | 15 8 | 4 41 | 16 44 | 4 15 | 24 26 | 0 55 | 9 19 | 1 11 | 8 12 | 1 18 | 11 56 | 1 44 | 14 58 | 0 21 | 10 56 | 1 53 | 5 26 | 12 55 | 4 10 | 3 54 | 9 17 | 3 12 | 3 27 |
| F 7 | 23 19 | 12 15 | 4 7 | 16 51 | 4 11 | 24 27 | 0 57 | 9 35 | 1 11 | 8 12 | 1 18 | 11 56 | 1 44 | 14 58 | 0 21 | 10 56 | 1 53 | 5 26 | 12 55 | 4 8 | 3 53 | 9 18 | 3 12 | 3 27 |
| S 8 | 23 22 | 8 41 | 3 20 | 17 0 | 4 6 | 24 26 | 0 58 | 9 51 | 1 11 | 8 12 | 1 18 | 11 56 | 1 44 | 14 57 | 0 21 | 10 55 | 1 53 | 5 27 | 12 55 | 4 6 | 3 51 | 9 20 | 3 13 | 3 27 |
| S 9 | 23 25 | 4 37 | 2 20 | 17 10 | 4 0 | 24 25 | 1 0 | 10 6 | 1 10 | 8 11 | 1 17 | 11 57 | 1 45 | 14 57 | 0 21 | 10 55 | 1 53 | 5 27 | 12 55 | 4 5 | 3 50 | 9 21 | 3 13 | 3 27 |
| M10 | 23 27 | 0 13 | 1 11 | 17 23 | 3 53 | 24 23 | 1 2 | 10 22 | 1 10 | 8 11 | 1 17 | 11 57 | 1 45 | 14 56 | 0 21 | 10 55 | 1 53 | 5 27 | 12 56 | 4 5 | 3 49 | 9 23 | 3 14 | 3 27 |
| T 11 | 23 29 | 4n15 | 0s 3 | 17 36 | 3 45 | 24 21 | 1 4 | 10 38 | 1 9 | 8 11 | 1 17 | 11 57 | 1 45 | 14 56 | 0 21 | 10 55 | 1 53 | 5 27 | 12 56 | 4 5 | 3 48 | 9 25 | 3 14 | 3 27 |
| W12 | 23 31 | 8 33 | 1 18 | 17 52 | 3 36 | 24 17 | 1 6 | 10 53 | 1 9 | 8 11 | 1 16 | 11 58 | 1 45 | 14 55 | 0 21 | 10 54 | 1 53 | 5 27 | 12 56 | 4 5 | 3 46 | 9 26 | 3 15 | 3 27 |
| T 13 | 23 32 | 12 23 | 2 29 | 18 8 | 3 27 | 24 13 | 1 7 | 11 8 | 1 8 | 8 12 | 1 16 | 11 58 | 1 46 | 14 55 | 0 21 | 10 54 | 1 53 | 5 27 | 12 56 | 4 4 | 3 45 | 9 28 | 3 15 | 3 28 |
| F 14 | 23 33 | 15 30 | 3 30 | 18 26 | 3 17 | 24 8 | 1 9 | 11 23 | 1 8 | 8 12 | 1 16 | 11 59 | 1 46 | 14 55 | 0 21 | 10 54 | 1 53 | 5 28 | 12 56 | 4 2 | 3 44 | 9 29 | 3 15 | 3 28 |
| S 15 | 23 33 | 17 37 | 4 18 | 18 44 | 3 7 | 24 3 | 1 11 | 11 38 | 1 8 | 8 12 | 1 16 | 11 59 | 1 46 | 14 54 | 0 21 | 10 54 | 1 53 | 5 28 | 12 56 | 3 59 | 3 42 | 9 31 | 3 16 | 3 28 |
| S 16 | 23 33 | 18 34 | 4 49 | 19 4 | 2 56 | 23 57 | 1 12 | 11 53 | 1 7 | 8 12 | 1 15 | 12 0 | 1 46 | 14 54 | 0 21 | 10 54 | 1 53 | 5 28 | 12 56 | 3 55 | 3 41 | 9 33 | 3 16 | 3 28 |
| M17 | 23 32 | 18 19 | 5 1 | 19 24 | 2 44 | 23 50 | 1 14 | 12 8 | 1 7 | 8 13 | 1 15 | 12 0 | 1 47 | 14 53 | 0 21 | 10 53 | 1 53 | 5 28 | 12 56 | 3 50 | 3 40 | 9 34 | 3 16 | 3 28 |
| T 18 | 23 31 | 16 57 | 4 54 | 19 45 | 2 33 | 23 42 | 1 15 | 12 23 | 1 6 | 8 13 | 1 15 | 12 1 | 1 47 | 14 53 | 0 21 | 10 53 | 1 53 | 5 28 | 12 57 | 3 46 | 3 39 | 9 36 | 3 17 | 3 28 |
| W19 | 23 30 | 14 39 | 4 31 | 20 6 | 2 20 | 23 34 | 1 17 | 12 37 | 1 6 | 8 14 | 1 15 | 12 1 | 1 47 | 14 53 | 0 21 | 10 53 | 1 53 | 5 28 | 12 57 | 3 42 | 3 37 | 9 37 | 3 17 | 3 28 |
| T 20 | 23 28 | 11 38 | 3 54 | 20 28 | 2 8 | 23 25 | 1 18 | 12 52 | 1 5 | 8 14 | 1 14 | 12 2 | 1 47 | 14 52 | 0 21 | 10 53 | 1 53 | 5 28 | 12 57 | 3 38 | 3 36 | 9 39 | 3 17 | 3 29 |
| F 21 | 23 26 | 8 9 | 3 5 | 20 50 | 1 55 | 23 15 | 1 19 | 13 6 | 1 5 | 8 15 | 1 14 | 12 3 | 1 48 | 14 52 | 0 21 | 10 53 | 1 53 | 5 28 | 12 57 | 3 36 | 3 35 | 9 40 | 3 18 | 3 29 |
| S 22 | 23 23 | 4 23 | 2 9 | 21 11 | 1 42 | 23 5 | 1 21 | 13 20 | 1 4 | 8 16 | 1 14 | 12 3 | 1 48 | 14 52 | 0 21 | 10 53 | 1 53 | 5 28 | 12 57 | 3 35 | 3 34 | 9 42 | 3 18 | 3 29 |
| S 23 | 23 20 | 0 32 | 1 8 | 21 32 | 1 29 | 22 54 | 1 22 | 13 34 | 1 3 | 8 17 | 1 13 | 12 4 | 1 48 | 14 51 | 0 21 | 10 53 | 1 53 | 5 29 | 12 57 | 3 34 | 3 32 | 9 44 | 3 18 | 3 29 |
| M24 | 23 17 | 3s16 | 0 5 | 21 53 | 1 16 | 22 42 | 1 23 | 13 48 | 1 3 | 8 17 | 1 13 | 12 5 | 1 48 | 14 51 | 0 21 | 10 53 | 1 52 | 5 29 | 12 58 | 3 34 | 3 31 | 9 45 | 3 18 | 3 29 |
| T 25 | 23 13 | 6 55 | 0n57 | 22 12 | 1 3 | 22 30 | 1 24 | 14 2 | 1 2 | 8 18 | 1 13 | 12 6 | 1 48 | 14 51 | 0 21 | 10 52 | 1 52 | 5 29 | 12 58 | 3 34 | 3 30 | 9 47 | 3 18 | 3 29 |
| W26 | 23 9 | 10 17 | 1 57 | 22 31 | 0 50 | 22 17 | 1 25 | 14 15 | 1 2 | 8 19 | 1 13 | 12 7 | 1 49 | 14 51 | 0 21 | 10 52 | 1 52 | 5 29 | 12 58 | 3 34 | 3 29 | 9 48 | 3 19 | 3 29 |
| T 27 | 23 4 | 13 14 | 2 52 | 22 49 | 0 37 | 22 3 | 1 26 | 14 29 | 1 1 | 8 20 | 1 12 | 12 7 | 1 49 | 14 50 | 0 21 | 10 52 | 1 52 | 5 29 | 12 58 | 3 32 | 3 27 | 9 50 | 3 19 | 3 29 |
| F 28 | 22 59 | 15 40 | 3 40 | 23 5 | 0 25 | 21 49 | 1 27 | 14 42 | 1 1 | 8 22 | 1 12 | 12 8 | 1 49 | 14 50 | 0 21 | 10 52 | 1 52 | 5 29 | 12 58 | 3 30 | 3 26 | 9 51 | 3 19 | 3 30 |
| S 29 | 22 54 | 17 26 | 4 19 | 23 20 | 0 12 | 21 34 | 1 28 | 14 55 | 1 0 | 8 23 | 1 12 | 12 9 | 1 49 | 14 50 | 0 21 | 10 52 | 1 52 | 5 29 | 12 58 | 3 27 | 3 25 | 9 53 | 3 19 | 3 30 |
| S 30 | 22n48 | 18s26 | 4n46 | 23n33 | 0s 0 | 21n18 | 1n28 | 15n 8 | 0s59 | 8s24 | 1n11 | 12s10 | 1s50 | 14s50 | 0n21 | 10s52 | 1n52 | 5n29 | 12s59 | 3s23 | 3s24 | 9s54 | 3n19 | 3n30 |

Julian Day Number = 2137594.5, Delta T = 15m43s
Ecliptic obliquity = 23°32'53, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'22, Lahiri = 11°52'22 Julian Calendar 1 June 1140 == Greg. Calendar 8 June 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## JULY 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 2 20 | 15♋ 0'33 | 2♉49 | 1♋56 | 2♌56 | 14♉34 | 24♎28 | 2°R54 | 10°R52 | 3°R10 | 20♉45 | 8°R17 | 8♎28 | 0♏40 | 0°R16 | M 1 |
| T 2 | 19 6 16 | 15°57'47 | 15°45 | 3°54 | 4° 9 | 15°16 | 24°31 | 2♓52 | 10♏52 | 3♏ 9 | 20°46 | 8♎ 5 | 8°25 | 0°47 | 0♈16 | T 2 |
| W 3 | 19 10 13 | 16°55'02 | 28°57 | 5°53 | 5°23 | 15°57 | 24°34 | 2°50 | 10°51 | 3° 9 | 20°47 | 7°53 | 8°22 | 0°54 | 0°16 | W 3 |
| T 4 | 19 14 10 | 17°52'17 | 12♒22 | 7°55 | 6°36 | 16°38 | 24°38 | 2°47 | 10°51 | 3° 9 | 20°47 | 7°43 | 8°19 | 1° 0 | 0°15 | T 4 |
| F 5 | 19 18 6 | 18°49'32 | 25°58 | 9°58 | 7°50 | 17°19 | 24°41 | 2°45 | 10°50 | 3° 9 | 20°48 | 7°35 | 8°15 | 1° 7 | 0°15 | F 5 |
| S 6 | 19 22 3 | 19°46'49 | 9♓43 | 12° 2 | 9° 3 | 18° 0 | 24°45 | 2°42 | 10°50 | 3° 9 | 20°49 | 7°30 | 8°12 | 1°14 | 0°14 | S 6 |
| S 7 | 19 25 59 | 20°44'07 | 23°36 | 14° 8 | 10°17 | 18°40 | 24°49 | 2°39 | 10°50 | 3° 9 | 20°50 | 7°28 | 8° 9 | 1°20 | 0°14 | S 7 |
| M 8 | 19 29 56 | 21°41'25 | 7♈35 | 16°14 | 11°30 | 19°21 | 24°53 | 2°36 | 10°49 | 3° 9 | 20°51 | 7°D27 | 8° 6 | 1°27 | 0°13 | M 8 |
| T 9 | 19 33 52 | 22°38'45 | 21°39 | 18°20 | 12°43 | 20° 2 | 24°57 | 2°33 | 10°49 | 3°D 9 | 20°51 | 7°R27 | 8° 3 | 1°34 | 0°13 | T 9 |
| W10 | 19 37 49 | 23°36'06 | 5♉48 | 20°26 | 13°57 | 20°42 | 25° 1 | 2°30 | 10°49 | 3° 9 | 20°52 | 7°27 | 8° 0 | 1°40 | 0°12 | W10 |
| T 11 | 19 41 45 | 24°33'28 | 20° 1 | 22°32 | 15°10 | 21°23 | 25° 6 | 2°27 | 10°49 | 3° 9 | 20°53 | 7°25 | 7°56 | 1°47 | 0°11 | T 11 |
| F 12 | 19 45 42 | 25°30'52 | 4♊15 | 24°38 | 16°24 | 22° 3 | 25°10 | 2°24 | 10°49 | 3° 9 | 20°53 | 7°20 | 7°53 | 1°54 | 0°11 | F 12 |
| S 13 | 19 49 39 | 26°28'16 | 18°27 | 26°43 | 17°37 | 22°43 | 25°15 | 2°21 | 10°D49 | 3° 9 | 20°54 | 7°13 | 7°50 | 2° 0 | 0°10 | S 13 |
| S 14 | 19 53 35 | 27°25'42 | 2♋34 | 28°47 | 18°50 | 23°23 | 25°20 | 2°18 | 10°49 | 3° 9 | 20°55 | 7° 4 | 7°47 | 2° 7 | 0° 9 | S 14 |
| M15 | 19 57 32 | 28°23'09 | 16°30 | 0♌51 | 20° 4 | 24° 3 | 25°25 | 2°14 | 10°49 | 3° 9 | 20°55 | 6°53 | 7°44 | 2°13 | 0° 8 | M15 |
| T 16 | 20 1 28 | 29°20'36 | 0♌12 | 2°53 | 21°17 | 24°43 | 25°31 | 2°11 | 10°49 | 3°10 | 20°56 | 6°42 | 7°41 | 2°20 | 0° 7 | T 16 |
| W17 | 20 5 25 | 0♌18'05 | 13°36 | 4°54 | 22°31 | 25°23 | 25°36 | 2° 8 | 10°49 | 3°10 | 20°57 | 6°33 | 7°37 | 2°27 | 0° 6 | W17 |
| T 18 | 20 9 21 | 1°15'35 | 26°40 | 6°53 | 23°44 | 26° 2 | 25°42 | 2° 4 | 10°49 | 3°10 | 20°57 | 6°25 | 7°34 | 2°33 | 0° 5 | T 18 |
| F 19 | 20 13 18 | 2°13'06 | 9♍23 | 8°52 | 24°57 | 26°42 | 25°47 | 2° 0 | 10°49 | 3°10 | 20°58 | 6°19 | 7°31 | 2°40 | 0° 4 | F 19 |
| S 20 | 20 17 14 | 3°10'37 | 21°49 | 10°48 | 26°11 | 27°21 | 25°53 | 1°57 | 10°50 | 3°11 | 20°58 | 6°16 | 7°28 | 2°47 | 0° 3 | S 20 |
| S 21 | 20 21 11 | 4° 8'10 | 3♎58 | 12°44 | 27°24 | 28° 0 | 25°59 | 1°53 | 10°50 | 3°11 | 20°59 | 6°D15 | 7°25 | 2°53 | 0° 1 | S 21 |
| M22 | 20 25 8 | 5° 5'43 | 15°56 | 14°38 | 28°37 | 28°39 | 26° 6 | 1°49 | 10°51 | 3°12 | 20°59 | 6°15 | 7°21 | 3° 0 | 0° 0 | M22 |
| T 23 | 20 29 4 | 6° 3'18 | 27°47 | 16°30 | 29°50 | 29°18 | 26°12 | 1°45 | 10°51 | 3°12 | 21° 0 | 6°16 | 7°18 | 3° 7 | 29♓59 | T 23 |
| W24 | 20 33 1 | 7° 0'53 | 9♏36 | 18°21 | 1♍ 4 | 29°57 | 26°18 | 1°41 | 10°52 | 3°13 | 21° 0 | 6°R16 | 7°15 | 3°13 | 29°57 | W24 |
| T 25 | 20 36 57 | 7°58'30 | 21°29 | 20°11 | 2°17 | 0♊36 | 26°25 | 1°37 | 10°52 | 3°13 | 21° 1 | 6°15 | 7°12 | 3°20 | 29°56 | T 25 |
| F 26 | 20 40 54 | 8°56'07 | 3♐31 | 21°58 | 3°30 | 1°15 | 26°32 | 1°33 | 10°53 | 3°14 | 21° 1 | 6°12 | 7° 9 | 3°27 | 29°55 | F 26 |
| S 27 | 20 44 50 | 9°53'46 | 15°46 | 23°45 | 4°43 | 1°53 | 26°39 | 1°29 | 10°54 | 3°14 | 21° 1 | 6° 7 | 7° 6 | 3°33 | 29°53 | S 27 |
| S 28 | 20 48 47 | 10°51'26 | 28°18 | 25°30 | 5°57 | 2°32 | 26°46 | 1°25 | 10°54 | 3°15 | 21° 2 | 6° 0 | 7° 2 | 3°40 | 29°51 | S 28 |
| M29 | 20 52 43 | 11°49'07 | 11♑ 9 | 27°14 | 7°10 | 3°10 | 26°53 | 1°21 | 10°55 | 3°15 | 21° 2 | 5°51 | 6°59 | 3°47 | 29°50 | M29 |
| T 30 | 20 56 40 | 12°46'49 | 24°21 | 28°56 | 8°23 | 3°48 | 27° 0 | 1°17 | 10°56 | 3°16 | 21° 2 | 5°42 | 6°56 | 3°53 | 29°48 | T 30 |
| W31 | 21 0 37 | 13♌44'32 | 7♒51 | 0♍36 | 9♍36 | 4♊26 | 27♎ 7 | 1♓13 | 10♏57 | 3♏17 | 21♉ 3 | 5♎34 | 6♎53 | 4♏ 0 | 29♓47 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n42 | 18s32 | 4n59 | 23n44 | 0n12 | 21n 2 | 1n29 | 15n21 | 0s59 | 8s25 | 1n11 | 12s11 | 1s50 | 14s50 | 0n21 | 10s52 | 1n52 | 5n29 | 12s59 | 3s18 | 3s22 | 9s56 | 3n19 | 3n30 |
| T 2 | 22 35 | 17 41 | 4 58 | 23 52 | 0 23 | 20 45 | 1 30 | 15 33 | 0 58 | 8 27 | 1 11 | 12 12 | 1 50 | 14 49 | 0 21 | 10 52 | 1 52 | 5 29 | 12 59 | 3 13 | 3 21 | 9 58 | 3 19 | 3 30 |
| W 3 | 22 28 | 15 53 | 4 41 | 23 58 | 0 33 | 20 28 | 1 30 | 15 46 | 0 58 | 8 28 | 1 11 | 12 13 | 1 50 | 14 49 | 0 21 | 10 52 | 1 52 | 5 29 | 12 59 | 3 8 | 3 20 | 9 59 | 3 19 | 3 30 |
| T 4 | 22 21 | 13 12 | 4 8 | 24 2 | 0 43 | 20 10 | 1 31 | 15 58 | 0 57 | 8 30 | 1 10 | 12 15 | 1 50 | 14 49 | 0 21 | 10 52 | 1 52 | 5 29 | 12 59 | 3 4 | 3 19 | 10 1 | 3 19 | 3 30 |
| F 5 | 22 13 | 9 46 | 3 21 | 24 3 | 0 53 | 19 52 | 1 31 | 16 11 | 0 56 | 8 31 | 1 10 | 12 16 | 1 51 | 14 49 | 0 21 | 10 52 | 1 52 | 5 29 | 13 0 | 3 1 | 3 17 | 10 2 | 3 19 | 3 30 |
| S 6 | 22 5 | 5 47 | 2 21 | 24 1 | 1 2 | 19 33 | 1 32 | 16 23 | 0 56 | 8 33 | 1 10 | 12 17 | 1 51 | 14 49 | 0 21 | 10 52 | 1 52 | 5 29 | 13 0 | 2 59 | 3 16 | 10 4 | 3 19 | 3 31 |
| S 7 | 21 56 | 1 26 | 1 13 | 23 57 | 1 10 | 19 13 | 1 32 | 16 35 | 0 55 | 8 34 | 1 10 | 12 18 | 1 51 | 14 49 | 0 21 | 10 52 | 1 52 | 5 29 | 13 0 | 2 58 | 3 15 | 10 5 | 3 19 | 3 31 |
| M 8 | 21 47 | 3n 1 | 0s 1 | 23 50 | 1 17 | 18 53 | 1 32 | 16 46 | 0 54 | 8 36 | 1 9 | 12 19 | 1 51 | 14 49 | 0 21 | 10 52 | 1 52 | 5 29 | 13 0 | 2 58 | 3 14 | 10 7 | 3 19 | 3 31 |
| T 9 | 21 38 | 7 19 | 1 15 | 23 40 | 1 23 | 18 32 | 1 32 | 16 58 | 0 54 | 8 38 | 1 9 | 12 20 | 1 51 | 14 49 | 0 21 | 10 52 | 1 52 | 5 29 | 13 0 | 2 58 | 3 12 | 10 8 | 3 19 | 3 31 |
| W10 | 21 29 | 11 15 | 2 24 | 23 27 | 1 29 | 18 11 | 1 32 | 17 9 | 0 53 | 8 40 | 1 9 | 12 22 | 1 52 | 14 49 | 0 21 | 10 52 | 1 51 | 5 29 | 13 1 | 2 58 | 3 11 | 10 10 | 3 18 | 3 31 |
| T 11 | 21 18 | 14 31 | 3 26 | 23 12 | 1 34 | 17 50 | 1 32 | 17 21 | 0 52 | 8 42 | 1 8 | 12 23 | 1 52 | 14 49 | 0 20 | 10 52 | 1 51 | 5 29 | 13 1 | 2 57 | 3 10 | 10 11 | 3 18 | 3 31 |
| F 12 | 21 8 | 16 56 | 4 14 | 22 54 | 1 38 | 17 28 | 1 32 | 17 32 | 0 52 | 8 44 | 1 8 | 12 24 | 1 52 | 14 49 | 0 20 | 10 52 | 1 51 | 5 29 | 13 1 | 2 56 | 3 9 | 10 13 | 3 18 | 3 31 |
| S 13 | 20 57 | 18 17 | 4 47 | 22 34 | 1 41 | 17 5 | 1 32 | 17 43 | 0 51 | 8 46 | 1 8 | 12 26 | 1 52 | 14 49 | 0 20 | 10 53 | 1 51 | 5 29 | 13 1 | 2 53 | 3 7 | 10 15 | 3 18 | 3 31 |
| S 14 | 20 46 | 18 30 | 5 2 | 22 11 | 1 44 | 16 42 | 1 32 | 17 54 | 0 50 | 8 48 | 1 8 | 12 27 | 1 52 | 14 49 | 0 20 | 10 53 | 1 51 | 5 29 | 13 1 | 2 49 | 3 6 | 10 16 | 3 18 | 3 32 |
| M15 | 20 35 | 17 35 | 4 58 | 21 47 | 1 45 | 16 19 | 1 32 | 18 4 | 0 49 | 8 50 | 1 7 | 12 28 | 1 53 | 14 49 | 0 20 | 10 53 | 1 51 | 5 29 | 13 2 | 2 45 | 3 5 | 10 18 | 3 17 | 3 32 |
| T 16 | 20 23 | 15 40 | 4 38 | 21 20 | 1 47 | 15 55 | 1 31 | 18 15 | 0 49 | 8 52 | 1 7 | 12 30 | 1 53 | 14 49 | 0 20 | 10 53 | 1 51 | 5 29 | 13 2 | 2 40 | 3 4 | 10 19 | 3 17 | 3 32 |
| W17 | 20 11 | 12 57 | 4 2 | 20 51 | 1 47 | 15 30 | 1 31 | 18 25 | 0 48 | 8 54 | 1 7 | 12 31 | 1 53 | 14 49 | 0 20 | 10 53 | 1 51 | 5 29 | 13 2 | 2 37 | 3 2 | 10 21 | 3 17 | 3 32 |
| T 18 | 19 58 | 9 38 | 3 15 | 20 21 | 1 47 | 15 6 | 1 30 | 18 35 | 0 47 | 8 56 | 1 7 | 12 33 | 1 53 | 14 49 | 0 20 | 10 53 | 1 51 | 5 29 | 13 2 | 2 33 | 3 1 | 10 22 | 3 16 | 3 32 |
| F 19 | 19 45 | 5 57 | 2 18 | 19 50 | 1 46 | 14 40 | 1 30 | 18 45 | 0 46 | 8 59 | 1 6 | 12 34 | 1 53 | 14 49 | 0 20 | 10 53 | 1 51 | 5 29 | 13 3 | 2 31 | 3 0 | 10 24 | 3 16 | 3 32 |
| S 20 | 19 32 | 2 6 | 1 16 | 19 17 | 1 45 | 14 15 | 1 29 | 18 55 | 0 46 | 9 1 | 1 6 | 12 36 | 1 53 | 14 49 | 0 20 | 10 54 | 1 51 | 5 28 | 13 3 | 2 30 | 2 58 | 10 25 | 3 16 | 3 32 |
| S 21 | 19 19 | 1s46 | 0 12 | 18 42 | 1 42 | 13 49 | 1 29 | 19 5 | 0 45 | 9 4 | 1 6 | 12 37 | 1 54 | 14 49 | 0 20 | 10 54 | 1 51 | 5 28 | 13 3 | 2 29 | 2 57 | 10 27 | 3 15 | 3 32 |
| M22 | 19 5 | 5 30 | 0n52 | 18 7 | 1 40 | 13 23 | 1 28 | 19 14 | 0 44 | 9 6 | 1 6 | 12 39 | 1 54 | 14 50 | 0 20 | 10 54 | 1 51 | 5 28 | 13 3 | 2 30 | 2 56 | 10 28 | 3 15 | 3 32 |
| T 23 | 18 51 | 8 59 | 1 53 | 17 30 | 1 37 | 12 56 | 1 27 | 19 23 | 0 43 | 9 9 | 1 5 | 12 40 | 1 54 | 14 50 | 0 20 | 10 54 | 1 51 | 5 28 | 13 3 | 2 30 | 2 55 | 10 30 | 3 14 | 3 33 |
| W24 | 18 36 | 12 5 | 2 49 | 16 53 | 1 33 | 12 29 | 1 26 | 19 32 | 0 42 | 9 11 | 1 5 | 12 42 | 1 54 | 14 50 | 0 20 | 10 54 | 1 51 | 5 28 | 13 4 | 2 30 | 2 53 | 10 31 | 3 14 | 3 33 |
| T 25 | 18 21 | 14 42 | 3 38 | 16 14 | 1 29 | 12 2 | 1 25 | 19 41 | 0 42 | 9 14 | 1 5 | 12 43 | 1 54 | 14 50 | 0 20 | 10 55 | 1 51 | 5 28 | 13 4 | 2 30 | 2 52 | 10 33 | 3 13 | 3 33 |
| F 26 | 18 6 | 16 43 | 4 18 | 15 35 | 1 25 | 11 34 | 1 24 | 19 50 | 0 41 | 9 16 | 1 5 | 12 45 | 1 54 | 14 50 | 0 20 | 10 55 | 1 51 | 5 28 | 13 4 | 2 28 | 2 51 | 10 34 | 3 13 | 3 33 |
| S 27 | 17 51 | 18 1 | 4 47 | 14 55 | 1 20 | 11 6 | 1 23 | 19 59 | 0 40 | 9 19 | 1 4 | 12 47 | 1 55 | 14 51 | 0 20 | 10 55 | 1 50 | 5 28 | 13 4 | 2 26 | 2 50 | 10 36 | 3 12 | 3 33 |
| S 28 | 17 35 | 18 29 | 5 3 | 14 15 | 1 15 | 10 38 | 1 22 | 20 7 | 0 39 | 9 22 | 1 4 | 12 48 | 1 55 | 14 51 | 0 20 | 10 55 | 1 50 | 5 28 | 13 5 | 2 23 | 2 48 | 10 37 | 3 12 | 3 33 |
| M29 | 17 19 | 18 1 | 5 5 | 13 35 | 1 9 | 10 10 | 1 20 | 20 16 | 0 38 | 9 25 | 1 4 | 12 50 | 1 55 | 14 51 | 0 20 | 10 56 | 1 50 | 5 27 | 13 5 | 2 20 | 2 47 | 10 39 | 3 11 | 3 33 |
| T 30 | 17 3 | 16 35 | 4 50 | 12 53 | 1 3 | 9 41 | 1 19 | 20 24 | 0 37 | 9 28 | 1 4 | 12 51 | 1 55 | 14 51 | 0 20 | 10 56 | 1 50 | 5 27 | 13 5 | 2 17 | 2 46 | 10 40 | 3 11 | 3 33 |
| W31 | 16n47 | 14s12 | 4n19 | 12n12 | 0n57 | 9n12 | 1n18 | 20n32 | 0s37 | 9s30 | 1n 3 | 12s53 | 1s55 | 14s52 | 0n20 | 10s56 | 1n50 | 5n27 | 13s 5 | 2s13 | 2s45 | 10s42 | 3n10 | 3n33 |

Julian Day Number = 2137624.5, Delta T = 15m43s
Ecliptic obliquity = 23°32'53, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'26, Lahiri = 11°52'26 Julian Calendar 1 July 1140 == Greg. Calendar 8 July 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## AUGUST 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 4 33 | 14♌42'17 | 21♒39 | 2♍16 | 10♍49 | 5♊ 4 | 27♎15 | 1°R 8 | 10♏58 | 3♏18 | 21♉ 3 | 5°R26 | 6♎50 | 4♏ 7 | 29°R45 | T 1 |
| F 2 | 21 8 30 | 15°40'04 | 5♓40 | 3°54 | 12° 2 | 5°42 | 27°23 | 1♓ 4 | 10°59 | 3°18 | 21° 3 | 5♎21 | 6°46 | 4°13 | 29♓43 | F 2 |
| S 3 | 21 12 26 | 16°37'52 | 19°50 | 5°30 | 13°15 | 6°20 | 27°30 | 1° 0 | 11° 0 | 3°19 | 21° 4 | 5°18 | 6°43 | 4°20 | 29°41 | S 3 |
| S 4 | 21 16 23 | 17°35'41 | 4♈ 6 | 7° 5 | 14°28 | 6°57 | 27°38 | 0°55 | 11° 1 | 3°20 | 21° 4 | 5°D17 | 6°40 | 4°27 | 29°39 | S 4 |
| M 5 | 21 20 19 | 18°33'32 | 18°22 | 8°39 | 15°41 | 7°34 | 27°46 | 0°51 | 11° 2 | 3°21 | 21° 4 | 5°17 | 6°37 | 4°33 | 29°38 | M 5 |
| T 6 | 21 24 16 | 19°31'26 | 2♉38 | 10°11 | 16°54 | 8°12 | 27°55 | 0°46 | 11° 3 | 3°22 | 21° 4 | 5°18 | 6°34 | 4°40 | 29°36 | T 6 |
| W 7 | 21 28 12 | 20°29'21 | 16°49 | 11°42 | 18° 7 | 8°49 | 28° 3 | 0°42 | 11° 4 | 3°23 | 21° 4 | 5°R19 | 6°31 | 4°47 | 29°34 | W 7 |
| T 8 | 21 32 9 | 21°27'18 | 0♊55 | 13°12 | 19°20 | 9°26 | 28°11 | 0°37 | 11° 6 | 3°24 | 21° 4 | 5°19 | 6°27 | 4°53 | 29°32 | T 8 |
| F 9 | 21 36 6 | 22°25'17 | 14°55 | 14°40 | 20°33 | 10° 3 | 28°20 | 0°33 | 11° 7 | 3°25 | 21° 5 | 5°17 | 6°24 | 5° 0 | 29°30 | F 9 |
| S 10 | 21 40 2 | 23°23'18 | 28°47 | 16° 7 | 21°46 | 10°39 | 28°28 | 0°28 | 11° 8 | 3°26 | 21° 5 | 5°13 | 6°21 | 5° 7 | 29°27 | S 10 |
| S 11 | 21 43 59 | 24°21'21 | 12♋29 | 17°33 | 22°59 | 11°16 | 28°37 | 0°24 | 11°10 | 3°27 | 21° 5 | 5° 8 | 6°18 | 5°13 | 29°25 | S 11 |
| M12 | 21 47 55 | 25°19'25 | 25°59 | 18°56 | 24°12 | 11°52 | 28°46 | 0°19 | 11°11 | 3°28 | 21° 5 | 5° 1 | 6°15 | 5°20 | 29°23 | M12 |
| T 13 | 21 51 52 | 26°17'32 | 9♌16 | 20°19 | 25°25 | 12°28 | 28°55 | 0°15 | 11°13 | 3°29 | 21° 5 | 4°55 | 6°12 | 5°27 | 29°21 | T 13 |
| W14 | 21 55 48 | 27°15'40 | 22°18 | 21°40 | 26°38 | 13° 5 | 29° 4 | 0°10 | 11°15 | 3°30 | 21°R 5 | 4°49 | 6° 8 | 5°33 | 29°19 | W14 |
| T 15 | 21 59 45 | 28°13'50 | 5♍ 5 | 22°59 | 27°51 | 13°40 | 29°13 | 0° 5 | 11°16 | 3°31 | 21° 5 | 4°44 | 6° 5 | 5°40 | 29°17 | T 15 |
| F 16 | 22 3 41 | 29°12'02 | 17°36 | 24°17 | 29° 4 | 14°16 | 29°23 | 0° 1 | 11°18 | 3°32 | 21° 5 | 4°41 | 6° 2 | 5°47 | 29°14 | F 16 |
| S 17 | 22 7 38 | 0♍10'16 | 29°53 | 25°34 | 0♎17 | 14°52 | 29°32 | 29♒56 | 11°20 | 3°33 | 21° 5 | 4°D39 | 5°59 | 5°53 | 29°12 | S 17 |
| S 18 | 22 11 34 | 1° 8'31 | 11♎58 | 26°48 | 1°29 | 15°27 | 29°41 | 29°52 | 11°21 | 3°35 | 21° 5 | 4°39 | 5°56 | 6° 0 | 29°10 | S 18 |
| M19 | 22 15 31 | 2° 6'48 | 23°54 | 28° 1 | 2°42 | 16° 2 | 29°51 | 29°47 | 11°23 | 3°36 | 21° 5 | 4°41 | 5°52 | 6° 7 | 29° 7 | M19 |
| T 20 | 22 19 28 | 3° 5'06 | 5♏43 | 29°12 | 3°55 | 16°38 | 0♏ 1 | 29°42 | 11°25 | 3°37 | 21° 5 | 4°42 | 5°49 | 6°13 | 29° 5 | T 20 |
| W21 | 22 23 24 | 4° 3'26 | 17°32 | 0♎21 | 5° 8 | 17°12 | 0°11 | 29°38 | 11°27 | 3°39 | 21° 4 | 4°44 | 5°46 | 6°20 | 29° 2 | W21 |
| T 22 | 22 27 21 | 5° 1'48 | 29°25 | 1°28 | 6°20 | 17°47 | 0°21 | 29°33 | 11°29 | 3°40 | 21° 4 | 4°45 | 5°43 | 6°27 | 29° 0 | T 22 |
| F 23 | 22 31 17 | 6° 0'11 | 11♐26 | 2°33 | 7°33 | 18°22 | 0°31 | 29°29 | 11°31 | 3°41 | 21° 4 | 4°R45 | 5°40 | 6°33 | 28°57 | F 23 |
| S 24 | 22 35 14 | 6°58'36 | 23°41 | 3°35 | 8°46 | 18°56 | 0°41 | 29°24 | 11°33 | 3°43 | 21° 4 | 4°44 | 5°37 | 6°40 | 28°55 | S 24 |
| S 25 | 22 39 10 | 7°57'03 | 6♑13 | 4°35 | 9°58 | 19°30 | 0°51 | 29°20 | 11°35 | 3°44 | 21° 4 | 4°42 | 5°33 | 6°47 | 28°52 | S 25 |
| M26 | 22 43 7 | 8°55'31 | 19° 7 | 5°33 | 11°11 | 20° 4 | 1° 1 | 29°15 | 11°37 | 3°46 | 21° 3 | 4°38 | 5°30 | 6°53 | 28°50 | M26 |
| T 27 | 22 47 3 | 9°54'01 | 2♒25 | 6°28 | 12°24 | 20°38 | 1°12 | 29°11 | 11°39 | 3°47 | 21° 3 | 4°35 | 5°27 | 7° 0 | 28°47 | T 27 |
| W28 | 22 51 0 | 10°52'33 | 16° 6 | 7°19 | 13°36 | 21°12 | 1°22 | 29° 6 | 11°42 | 3°49 | 21° 3 | 4°31 | 5°24 | 7° 7 | 28°45 | W28 |
| T 29 | 22 54 57 | 11°51'07 | 0♓10 | 8° 8 | 14°49 | 21°45 | 1°33 | 29° 2 | 11°44 | 3°50 | 21° 3 | 4°28 | 5°21 | 7°13 | 28°42 | T 29 |
| F 30 | 22 58 53 | 12°49'42 | 14°32 | 8°53 | 16° 1 | 22°18 | 1°43 | 28°57 | 11°46 | 3°52 | 21° 2 | 4°26 | 5°18 | 7°20 | 28°39 | F 30 |
| S 31 | 23 2 50 | 13♍48'19 | 29♓ 7 | 9♎34 | 17♎14 | 22♊51 | 1♏54 | 28♒53 | 11♏49 | 3♏53 | 21♉ 2 | 4°D25 | 5♎14 | 7♏27 | 28♓37 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | | ☊ | | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | | decl | | decl | | decl | lat |
| T 1 | 16n30 | 11s 0 | 3n33 | 11n30 | 0n51 | 8n43 | 1n16 | 20n39 | 0s36 | 9s33 | 1n 3 | 12s55 | 1s55 | 14s52 | 0n20 | 10s57 | 1n50 | 5n27 | 13s 6 | 2s10 | | 2s43 | | 10s43 | | 3n10 | 3n33 |
| F 2 | 16 13 | 7 6 | 2 33 | 10 49 | 0 44 | 8 14 | 1 15 | 20 47 | 0 35 | 9 36 | 1 3 | 12 56 | 1 55 | 14 52 | 0 20 | 10 57 | 1 50 | 5 27 | 13 6 | 2 8 | | 2 42 | | 10 45 | | 3 9 | 3 34 |
| S 3 | 15 55 | 2 47 | 1 22 | 10 7 | 0 37 | 7 44 | 1 13 | 20 54 | 0 34 | 9 39 | 1 3 | 12 58 | 1 56 | 14 53 | 0 20 | 10 57 | 1 50 | 5 27 | 13 6 | 2 7 | | 2 41 | | 10 46 | | 3 8 | 3 34 |
| S 4 | 15 38 | 1n44 | 0 6 | 9 25 | 0 30 | 7 14 | 1 11 | 21 2 | 0 33 | 9 42 | 1 3 | 13 0 | 1 56 | 14 53 | 0 20 | 10 58 | 1 50 | 5 26 | 13 6 | 2 6 | | 2 40 | | 10 48 | | 3 8 | 3 34 |
| M 5 | 15 20 | 6 9 | 1s10 | 8 43 | 0 22 | 6 44 | 1 10 | 21 9 | 0 32 | 9 46 | 1 2 | 13 2 | 1 56 | 14 54 | 0 20 | 10 58 | 1 50 | 5 26 | 13 7 | 2 7 | | 2 38 | | 10 49 | | 3 7 | 3 34 |
| T 6 | 15 2 | 10 12 | 2 23 | 8 1 | 0 15 | 6 14 | 1 8 | 21 16 | 0 31 | 9 49 | 1 2 | 13 3 | 1 56 | 14 54 | 0 20 | 10 58 | 1 50 | 5 26 | 13 7 | 2 7 | | 2 37 | | 10 51 | | 3 6 | 3 34 |
| W 7 | 14 44 | 13 39 | 3 26 | 7 19 | 0 7 | 5 44 | 1 6 | 21 23 | 0 30 | 9 52 | 1 2 | 13 5 | 1 56 | 14 54 | 0 20 | 10 59 | 1 50 | 5 26 | 13 7 | 2 7 | | 2 36 | | 10 52 | | 3 6 | 3 34 |
| T 8 | 14 25 | 16 16 | 4 16 | 6 37 | 0s 1 | 5 13 | 1 4 | 21 29 | 0 29 | 9 55 | 1 2 | 13 7 | 1 56 | 14 55 | 0 20 | 10 59 | 1 50 | 5 26 | 13 7 | 2 7 | | 2 35 | | 10 54 | | 3 5 | 3 34 |
| F 9 | 14 6 | 17 53 | 4 51 | 5 55 | 0 9 | 4 42 | 1 2 | 21 36 | 0 28 | 9 58 | 1 1 | 13 8 | 1 56 | 14 55 | 0 20 | 10 59 | 1 50 | 5 25 | 13 7 | 2 6 | | 2 33 | | 10 55 | | 3 4 | 3 34 |
| S 10 | 13 47 | 18 25 | 5 8 | 5 14 | 0 17 | 4 12 | 1 0 | 21 42 | 0 27 | 10 2 | 1 1 | 13 10 | 1 56 | 14 56 | 0 20 | 11 0 | 1 50 | 5 25 | 13 8 | 2 5 | | 2 32 | | 10 57 | | 3 3 | 3 34 |
| S 11 | 13 28 | 17 52 | 5 7 | 4 33 | 0 26 | 3 41 | 0 58 | 21 48 | 0 26 | 10 5 | 1 1 | 13 12 | 1 56 | 14 56 | 0 20 | 11 0 | 1 50 | 5 25 | 13 8 | 2 3 | | 2 31 | | 10 58 | | 3 2 | 3 34 |
| M12 | 13 8 | 16 18 | 4 50 | 3 52 | 0 34 | 3 10 | 0 56 | 21 54 | 0 25 | 10 8 | 1 1 | 13 13 | 1 56 | 14 57 | 0 20 | 11 1 | 1 49 | 5 25 | 13 8 | 2 0 | | 2 29 | | 11 0 | | 3 2 | 3 34 |
| T 13 | 12 49 | 13 54 | 4 16 | 3 12 | 0 43 | 2 39 | 0 53 | 22 0 | 0 24 | 10 12 | 1 1 | 13 15 | 1 57 | 14 57 | 0 20 | 11 1 | 1 49 | 5 25 | 13 8 | 1 58 | | 2 28 | | 11 1 | | 3 1 | 3 34 |
| W14 | 12 29 | 10 49 | 3 30 | 2 32 | 0 51 | 2 7 | 0 51 | 22 5 | 0 23 | 10 15 | 1 0 | 13 17 | 1 57 | 14 58 | 0 20 | 11 1 | 1 49 | 5 24 | 13 9 | 1 55 | | 2 27 | | 11 3 | | 3 0 | 3 34 |
| T 15 | 12 9 | 7 18 | 2 34 | 1 52 | 1 0 | 1 36 | 0 49 | 22 11 | 0 22 | 10 18 | 1 0 | 13 19 | 1 57 | 14 58 | 0 20 | 11 2 | 1 49 | 5 24 | 13 9 | 1 53 | | 2 26 | | 11 4 | | 2 59 | 3 34 |
| F 16 | 11 48 | 3 31 | 1 32 | 1 13 | 1 9 | 1 5 | 0 46 | 22 16 | 0 21 | 10 22 | 1 0 | 13 20 | 1 57 | 14 59 | 0 20 | 11 2 | 1 49 | 5 24 | 13 9 | 1 52 | | 2 24 | | 11 6 | | 2 58 | 3 34 |
| S 17 | 11 28 | 0s21 | 0 26 | 0 35 | 1 18 | 0 34 | 0 44 | 22 21 | 0 20 | 10 25 | 1 0 | 13 22 | 1 57 | 14 59 | 0 20 | 11 3 | 1 49 | 5 24 | 13 9 | 1 52 | | 2 23 | | 11 7 | | 2 57 | 3 34 |
| S 18 | 11 7 | 4 8 | 0n40 | 0s 3 | 1 26 | 0 2 | 0 41 | 22 26 | 0 19 | 10 29 | 1 0 | 13 24 | 1 57 | 15 0 | 0 19 | 11 3 | 1 49 | 5 23 | 13 10 | 1 52 | | 2 22 | | 11 9 | | 2 56 | 3 34 |
| M19 | 10 46 | 7 43 | 1 43 | 0 40 | 1 35 | 0s29 | 0 39 | 22 31 | 0 18 | 10 33 | 0 59 | 13 25 | 1 57 | 15 0 | 0 19 | 11 4 | 1 49 | 5 23 | 13 10 | 1 52 | | 2 21 | | 11 10 | | 2 56 | 3 34 |
| T 20 | 10 25 | 10 56 | 2 42 | 1 16 | 1 44 | 1 1 | 0 36 | 22 36 | 0 17 | 10 36 | 0 59 | 13 27 | 1 57 | 15 1 | 0 19 | 11 4 | 1 49 | 5 23 | 13 10 | 1 53 | | 2 19 | | 11 12 | | 2 55 | 3 35 |
| W21 | 10 4 | 13 43 | 3 34 | 1 52 | 1 53 | 1 32 | 0 33 | 22 40 | 0 16 | 10 40 | 0 59 | 13 29 | 1 57 | 15 2 | 0 19 | 11 5 | 1 49 | 5 23 | 13 10 | 1 53 | | 2 18 | | 11 13 | | 2 54 | 3 35 |
| T 22 | 9 43 | 15 56 | 4 17 | 2 26 | 2 1 | 2 4 | 0 31 | 22 44 | 0 15 | 10 44 | 0 59 | 13 30 | 1 57 | 15 2 | 0 19 | 11 5 | 1 49 | 5 22 | 13 11 | 1 54 | | 2 17 | | 11 14 | | 2 53 | 3 35 |
| F 23 | 9 21 | 17 29 | 4 49 | 3 0 | 2 10 | 2 35 | 0 28 | 22 49 | 0 14 | 10 47 | 0 59 | 13 32 | 1 57 | 15 3 | 0 19 | 11 6 | 1 49 | 5 22 | 13 11 | 1 54 | | 2 16 | | 11 16 | | 2 52 | 3 35 |
| S 24 | 8 59 | 18 16 | 5 8 | 3 33 | 2 18 | 3 6 | 0 25 | 22 53 | 0 12 | 10 51 | 0 59 | 13 34 | 1 57 | 15 4 | 0 19 | 11 6 | 1 49 | 5 22 | 13 11 | 1 53 | | 2 14 | | 11 17 | | 2 51 | 3 35 |
| S 25 | 8 38 | 18 10 | 5 14 | 4 5 | 2 27 | 3 38 | 0 22 | 22 57 | 0 11 | 10 55 | 0 58 | 13 35 | 1 57 | 15 4 | 0 19 | 11 7 | 1 49 | 5 22 | 13 11 | 1 52 | | 2 13 | | 11 19 | | 2 50 | 3 35 |
| M26 | 8 16 | 17 9 | 5 4 | 4 35 | 2 35 | 4 9 | 0 19 | 23 0 | 0 10 | 10 58 | 0 58 | 13 37 | 1 57 | 15 5 | 0 19 | 11 7 | 1 49 | 5 21 | 13 12 | 1 51 | | 2 12 | | 11 20 | | 2 49 | 3 35 |
| T 27 | 7 53 | 15 12 | 4 38 | 5 4 | 2 43 | 4 40 | 0 16 | 23 4 | 0 9 | 11 2 | 0 58 | 13 39 | 1 57 | 15 6 | 0 19 | 11 8 | 1 49 | 5 21 | 13 12 | 1 50 | | 2 10 | | 11 22 | | 2 48 | 3 35 |
| W28 | 7 31 | 12 20 | 3 56 | 5 32 | 2 51 | 5 11 | 0 13 | 23 7 | 0 8 | 11 6 | 0 58 | 13 40 | 1 57 | 15 6 | 0 19 | 11 8 | 1 49 | 5 21 | 13 12 | 1 48 | | 2 9 | | 11 23 | | 2 47 | 3 35 |
| T 29 | 7 9 | 8 41 | 2 58 | 5 58 | 2 58 | 5 42 | 0 10 | 23 11 | 0 7 | 11 10 | 0 58 | 13 42 | 1 57 | 15 7 | 0 19 | 11 9 | 1 49 | 5 20 | 13 12 | 1 47 | | 2 8 | | 11 25 | | 2 46 | 3 35 |
| F 30 | 6 46 | 4 28 | 1 48 | 6 22 | 3 5 | 6 13 | 0 7 | 23 14 | 0 5 | 11 14 | 0 57 | 13 43 | 1 57 | 15 8 | 0 19 | 11 10 | 1 49 | 5 20 | 13 12 | 1 46 | | 2 7 | | 11 26 | | 2 45 | 3 35 |
| S 31 | 6n24 | 0n 6 | 0n29 | 6s45 | 3s12 | 6s44 | 0n 4 | 23n17 | 0s 4 | 11s18 | 0n57 | 13s45 | 1s57 | 15s 9 | 0n19 | 11s10 | 1n49 | 5n20 | 13s13 | 1s46 | | 2s 5 | | 11s28 | | 2n44 | 3n35 |

Julian Day Number = 2137655.5, Delta T = 15m43s
Ecliptic obliquity = 23°32'53, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'30, Lahiri = 11°52'30 Julian Calendar 1 Aug. 1140 == Greg. Calendar 8 Aug. 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## SEPTEMBER 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 6 46 | 14♍46'59 | 13♈49 | 10♎12 | 18♎26 | 23♊24 | 2♏ 5 | 28°R49 | 11♏51 | 3♏55 | 21°R 2 | 4♎25 | 5♎11 | 7♏33 | 28°R34 | S 1 |
| M 2 | 23 10 43 | 15°45'41 | 28°31 | 10°45 | 19°38 | 23°57 | 2°16 | 28♒44 | 11°53 | 3°56 | 21♉ 1 | 4°26 | 5° 8 | 7°40 | 28♓31 | M 2 |
| T 3 | 23 14 39 | 16°44'25 | 13♉ 7 | 11°14 | 20°51 | 24°29 | 2°27 | 28°40 | 11°56 | 3°58 | 21° 1 | 4°27 | 5° 5 | 7°47 | 28°29 | T 3 |
| W 4 | 23 18 36 | 17°43'11 | 27°33 | 11°37 | 22° 3 | 25° 2 | 2°38 | 28°36 | 11°58 | 4° 0 | 21° 0 | 4°28 | 5° 2 | 7°53 | 28°26 | W 4 |
| T 5 | 23 22 32 | 18°42'00 | 11♊45 | 11°55 | 23°15 | 25°34 | 2°49 | 28°32 | 12° 1 | 4° 1 | 21° 0 | 4°29 | 4°58 | 8° 0 | 28°23 | T 5 |
| F 6 | 23 26 29 | 19°40'51 | 25°41 | 12° 7 | 24°28 | 26° 5 | 3° 0 | 28°27 | 12° 3 | 4° 3 | 21° 0 | 4°R29 | 4°55 | 8° 7 | 28°21 | F 6 |
| S 7 | 23 30 26 | 20°39'44 | 9♋21 | 12°R13 | 25°40 | 26°37 | 3°11 | 28°23 | 12° 6 | 4° 5 | 20°59 | 4°29 | 4°52 | 8°13 | 28°18 | S 7 |
| S 8 | 23 34 22 | 21°38'40 | 22°45 | 12°13 | 26°52 | 27° 8 | 3°23 | 28°19 | 12° 9 | 4° 7 | 20°59 | 4°27 | 4°49 | 8°20 | 28°15 | S 8 |
| M 9 | 23 38 19 | 22°37'38 | 5♌54 | 12° 5 | 28° 4 | 27°39 | 3°34 | 28°15 | 12°11 | 4° 8 | 20°58 | 4°26 | 4°46 | 8°27 | 28°12 | M 9 |
| T 10 | 23 42 15 | 23°36'38 | 18°48 | 11°51 | 29°16 | 28°10 | 3°46 | 28°11 | 12°14 | 4°10 | 20°58 | 4°24 | 4°43 | 8°33 | 28°10 | T 10 |
| W11 | 23 46 12 | 24°35'41 | 1♍28 | 11°28 | 0♏28 | 28°41 | 3°57 | 28° 8 | 12°17 | 4°12 | 20°57 | 4°23 | 4°39 | 8°40 | 28° 7 | W11 |
| T 12 | 23 50 8 | 25°34'45 | 13°56 | 10°58 | 1°41 | 29°11 | 4° 9 | 28° 4 | 12°20 | 4°14 | 20°56 | 4°22 | 4°36 | 8°47 | 28° 4 | T 12 |
| F 13 | 23 54 5 | 26°33'52 | 26°13 | 10°21 | 2°53 | 29°41 | 4°21 | 28° 0 | 12°23 | 4°16 | 20°56 | 4°21 | 4°33 | 8°53 | 28° 1 | F 13 |
| S 14 | 23 58 1 | 27°33'01 | 8♎19 | 9°36 | 4° 5 | 0♋11 | 4°32 | 27°56 | 12°25 | 4°18 | 20°55 | 4°D21 | 4°30 | 9° 0 | 27°59 | S 14 |
| S 15 | 0 1 58 | 28°32'12 | 20°17 | 8°43 | 5°17 | 0°41 | 4°44 | 27°53 | 12°28 | 4°20 | 20°55 | 4°22 | 4°27 | 9° 7 | 27°56 | S 15 |
| M16 | 0 5 54 | 29°31'25 | 2♏ 9 | 7°45 | 6°28 | 1°10 | 4°56 | 27°49 | 12°31 | 4°21 | 20°54 | 4°22 | 4°23 | 9°13 | 27°53 | M16 |
| T 17 | 0 9 51 | 0♎30'39 | 13°58 | 6°41 | 7°40 | 1°39 | 5° 8 | 27°46 | 12°34 | 4°23 | 20°53 | 4°23 | 4°20 | 9°20 | 27°50 | T 17 |
| W18 | 0 13 48 | 1°29'56 | 25°46 | 5°33 | 8°52 | 2° 8 | 5°20 | 27°42 | 12°37 | 4°25 | 20°53 | 4°23 | 4°17 | 9°27 | 27°47 | W18 |
| T 19 | 0 17 44 | 2°29'15 | 7♐38 | 4°23 | 10° 4 | 2°36 | 5°32 | 27°39 | 12°40 | 4°27 | 20°52 | 4°23 | 4°14 | 9°33 | 27°45 | T 19 |
| F 20 | 0 21 41 | 3°28'35 | 19°38 | 3°11 | 11°16 | 3° 4 | 5°44 | 27°35 | 12°43 | 4°29 | 20°51 | 4°23 | 4°11 | 9°40 | 27°42 | F 20 |
| S 21 | 0 25 37 | 4°27'58 | 1♑50 | 2° 1 | 12°28 | 3°32 | 5°56 | 27°32 | 12°46 | 4°31 | 20°51 | 4°23 | 4° 8 | 9°47 | 27°39 | S 21 |
| S 22 | 0 29 34 | 5°27'22 | 14°19 | 0°55 | 13°39 | 4° 0 | 6° 9 | 27°29 | 12°50 | 4°33 | 20°50 | 4°23 | 4° 4 | 9°53 | 27°36 | S 22 |
| M23 | 0 33 30 | 6°26'48 | 27° 8 | 29♍53 | 14°51 | 4°27 | 6°21 | 27°26 | 12°53 | 4°35 | 20°49 | 4°23 | 4° 1 | 10° 0 | 27°34 | M23 |
| T 24 | 0 37 27 | 7°26'16 | 10♒22 | 28°59 | 16° 2 | 4°54 | 6°33 | 27°23 | 12°56 | 4°37 | 20°48 | 4°24 | 3°58 | 10° 7 | 27°31 | T 24 |
| W25 | 0 41 23 | 8°25'46 | 24° 2 | 28°13 | 17°14 | 5°20 | 6°46 | 27°20 | 12°59 | 4°39 | 20°48 | 4°24 | 3°55 | 10°13 | 27°28 | W25 |
| T 26 | 0 45 20 | 9°25'17 | 8♓ 8 | 27°36 | 18°26 | 5°47 | 6°58 | 27°17 | 13° 2 | 4°41 | 20°47 | 4°24 | 3°52 | 10°20 | 27°26 | T 26 |
| F 27 | 0 49 17 | 10°24'50 | 22°39 | 27°10 | 19°37 | 6°13 | 7°11 | 27°15 | 13° 6 | 4°44 | 20°46 | 4°25 | 3°49 | 10°27 | 27°23 | F 27 |
| S 28 | 0 53 13 | 11°24'26 | 7♈30 | 26°55 | 20°48 | 6°38 | 7°23 | 27°12 | 13° 9 | 4°46 | 20°45 | 4°R25 | 3°45 | 10°33 | 27°20 | S 28 |
| S 29 | 0 57 10 | 12°24'03 | 22°32 | 26°D52 | 22° 0 | 7° 4 | 7°36 | 27° 9 | 13°12 | 4°48 | 20°44 | 4°25 | 3°42 | 10°40 | 27°18 | S 29 |
| M30 | 1 1 6 | 13♎23'42 | 7♉38 | 26♍59 | 23♏11 | 7♋29 | 7♏49 | 27♒ 7 | 13♏16 | 4♏50 | 20♉43 | 4♎24 | 3♎39 | 10♏47 | 27♓15 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n 1 | 4n41 | 0s52 | 7s 6 | 3s19 | 7s14 | 0n 1 | 23n20 | 0s 3 | 11s21 | 0n57 | 13s46 | 1s57 | 15s 9 | 0n19 | 11s11 | 1n48 | 5n19 | 13s13 | 1s46 | 2s 4 | 11s29 | 2n42 | 3n35 |
| M 2 | 5 38 | 8 59 | 2 9 | 7 24 | 3 25 | 7 45 | 0s 2 | 23 23 | 0 2 | 11 25 | 0 57 | 13 48 | 1 57 | 15 10 | 0 19 | 11 11 | 1 48 | 5 19 | 13 13 | 1 46 | 2 3 | 11 30 | 2 41 | 3 35 |
| T 3 | 5 15 | 12 42 | 3 18 | 7 41 | 3 30 | 8 15 | 0 5 | 23 26 | 0 0 | 11 29 | 0 57 | 13 49 | 1 57 | 15 11 | 0 19 | 11 12 | 1 48 | 5 19 | 13 13 | 1 47 | 2 2 | 11 32 | 2 40 | 3 35 |
| W 4 | 4 52 | 15 35 | 4 13 | 7 54 | 3 35 | 8 45 | 0 8 | 23 28 | 0n 1 | 11 33 | 0 57 | 13 51 | 1 57 | 15 12 | 0 19 | 11 13 | 1 48 | 5 19 | 13 14 | 1 47 | 2 0 | 11 33 | 2 39 | 3 35 |
| T 5 | 4 29 | 17 28 | 4 52 | 8 5 | 3 39 | 9 15 | 0 12 | 23 30 | 0 2 | 11 37 | 0 56 | 13 52 | 1 57 | 15 12 | 0 19 | 11 13 | 1 48 | 5 18 | 13 14 | 1 47 | 1 59 | 11 35 | 2 38 | 3 35 |
| F 6 | 4 6 | 18 16 | 5 13 | 8 13 | 3 42 | 9 45 | 0 15 | 23 33 | 0 3 | 11 41 | 0 56 | 13 54 | 1 57 | 15 13 | 0 19 | 11 14 | 1 48 | 5 18 | 13 14 | 1 47 | 1 58 | 11 36 | 2 37 | 3 34 |
| S 7 | 3 43 | 17 58 | 5 15 | 8 17 | 3 44 | 10 15 | 0 18 | 23 35 | 0 5 | 11 45 | 0 56 | 13 55 | 1 57 | 15 14 | 0 19 | 11 14 | 1 48 | 5 18 | 13 14 | 1 47 | 1 57 | 11 38 | 2 36 | 3 34 |
| S 8 | 3 20 | 16 40 | 5 1 | 8 18 | 3 46 | 10 44 | 0 21 | 23 37 | 0 6 | 11 49 | 0 56 | 13 57 | 1 57 | 15 15 | 0 19 | 11 15 | 1 48 | 5 17 | 13 14 | 1 47 | 1 55 | 11 39 | 2 35 | 3 34 |
| M 9 | 2 56 | 14 31 | 4 30 | 8 16 | 3 46 | 11 13 | 0 25 | 23 39 | 0 7 | 11 53 | 0 56 | 13 58 | 1 57 | 15 16 | 0 19 | 11 16 | 1 48 | 5 17 | 13 15 | 1 46 | 1 54 | 11 41 | 2 34 | 3 34 |
| T 10 | 2 33 | 11 40 | 3 47 | 8 9 | 3 45 | 11 42 | 0 28 | 23 41 | 0 9 | 11 57 | 0 56 | 13 59 | 1 57 | 15 17 | 0 19 | 11 16 | 1 48 | 5 17 | 13 15 | 1 45 | 1 53 | 11 42 | 2 32 | 3 34 |
| W11 | 2 9 | 8 19 | 2 53 | 7 58 | 3 42 | 12 11 | 0 31 | 23 43 | 0 10 | 12 1 | 0 55 | 14 1 | 1 57 | 15 18 | 0 19 | 11 17 | 1 48 | 5 16 | 13 15 | 1 45 | 1 52 | 11 43 | 2 31 | 3 34 |
| T 12 | 1 46 | 4 38 | 1 51 | 7 42 | 3 38 | 12 39 | 0 35 | 23 44 | 0 11 | 12 5 | 0 55 | 14 2 | 1 57 | 15 18 | 0 19 | 11 18 | 1 48 | 5 16 | 13 15 | 1 45 | 1 50 | 11 45 | 2 30 | 3 34 |
| F 13 | 1 22 | 0 49 | 0 45 | 7 22 | 3 32 | 13 7 | 0 38 | 23 46 | 0 13 | 12 10 | 0 55 | 14 3 | 1 57 | 15 19 | 0 19 | 11 18 | 1 48 | 5 16 | 13 15 | 1 44 | 1 49 | 11 46 | 2 29 | 3 34 |
| S 14 | 0 59 | 2s59 | 0n22 | 6 57 | 3 24 | 13 35 | 0 41 | 23 47 | 0 14 | 12 14 | 0 55 | 14 4 | 1 57 | 15 20 | 0 19 | 11 19 | 1 48 | 5 15 | 13 16 | 1 44 | 1 48 | 11 48 | 2 28 | 3 34 |
| S 15 | 0 35 | 6 37 | 1 27 | 6 27 | 3 15 | 14 3 | 0 45 | 23 48 | 0 16 | 12 18 | 0 55 | 14 6 | 1 57 | 15 21 | 0 19 | 11 20 | 1 48 | 5 15 | 13 16 | 1 44 | 1 46 | 11 49 | 2 27 | 3 34 |
| M16 | 0 11 | 9 57 | 2 28 | 5 54 | 3 3 | 14 30 | 0 48 | 23 50 | 0 17 | 12 22 | 0 55 | 14 7 | 1 57 | 15 22 | 0 19 | 11 20 | 1 48 | 5 15 | 13 16 | 1 45 | 1 45 | 11 51 | 2 25 | 3 34 |
| T 17 | 0s12 | 12 52 | 3 23 | 5 16 | 2 50 | 14 57 | 0 51 | 23 51 | 0 19 | 12 26 | 0 55 | 14 8 | 1 57 | 15 23 | 0 19 | 11 21 | 1 48 | 5 14 | 13 16 | 1 45 | 1 44 | 11 52 | 2 24 | 3 34 |
| W18 | 0 36 | 15 16 | 4 9 | 4 35 | 2 35 | 15 23 | 0 55 | 23 52 | 0 20 | 12 30 | 0 54 | 14 9 | 1 57 | 15 24 | 0 19 | 11 22 | 1 48 | 5 14 | 13 16 | 1 45 | 1 43 | 11 53 | 2 23 | 3 34 |
| T 19 | 1 0 | 17 1 | 4 44 | 3 51 | 2 18 | 15 49 | 0 58 | 23 53 | 0 22 | 12 34 | 0 54 | 14 10 | 1 57 | 15 25 | 0 19 | 11 22 | 1 48 | 5 14 | 13 17 | 1 45 | 1 41 | 11 55 | 2 22 | 3 34 |
| F 20 | 1 23 | 18 2 | 5 7 | 3 6 | 2 0 | 16 15 | 1 2 | 23 54 | 0 23 | 12 39 | 0 54 | 14 11 | 1 57 | 15 26 | 0 19 | 11 23 | 1 48 | 5 13 | 13 17 | 1 45 | 1 40 | 11 56 | 2 21 | 3 34 |
| S 21 | 1 47 | 18 15 | 5 18 | 2 20 | 1 40 | 16 41 | 1 5 | 23 55 | 0 25 | 12 43 | 0 54 | 14 12 | 1 57 | 15 27 | 0 19 | 11 24 | 1 48 | 5 13 | 13 17 | 1 45 | 1 39 | 11 58 | 2 20 | 3 34 |
| S 22 | 2 11 | 17 35 | 5 13 | 1 35 | 1 20 | 17 6 | 1 8 | 23 55 | 0 26 | 12 47 | 0 54 | 14 13 | 1 57 | 15 28 | 0 19 | 11 24 | 1 48 | 5 13 | 13 17 | 1 45 | 1 38 | 11 59 | 2 18 | 3 33 |
| M23 | 2 34 | 16 2 | 4 53 | 0 52 | 1 0 | 17 30 | 1 11 | 23 56 | 0 28 | 12 51 | 0 54 | 14 14 | 1 57 | 15 29 | 0 19 | 11 25 | 1 48 | 5 12 | 13 17 | 1 45 | 1 36 | 12 0 | 2 17 | 3 33 |
| T 24 | 2 58 | 13 35 | 4 18 | 0 11 | 0 39 | 17 54 | 1 15 | 23 57 | 0 29 | 12 55 | 0 54 | 14 15 | 1 56 | 15 30 | 0 19 | 11 26 | 1 48 | 5 12 | 13 17 | 1 45 | 1 35 | 12 2 | 2 16 | 3 33 |
| W25 | 3 21 | 10 20 | 3 26 | 0n26 | 0 19 | 18 18 | 1 18 | 23 57 | 0 31 | 12 59 | 0 54 | 14 16 | 1 56 | 15 31 | 0 19 | 11 27 | 1 48 | 5 11 | 13 18 | 1 45 | 1 34 | 12 3 | 2 15 | 3 33 |
| T 26 | 3 45 | 6 23 | 2 21 | 0 58 | 0n 1 | 18 42 | 1 21 | 23 58 | 0 33 | 13 4 | 0 53 | 14 17 | 1 56 | 15 32 | 0 19 | 11 27 | 1 48 | 5 11 | 13 18 | 1 46 | 1 33 | 12 5 | 2 14 | 3 33 |
| F 27 | 4 8 | 1 56 | 1 5 | 1 25 | 0 19 | 19 4 | 1 25 | 23 58 | 0 34 | 13 8 | 0 53 | 14 18 | 1 56 | 15 33 | 0 19 | 11 28 | 1 48 | 5 11 | 13 18 | 1 46 | 1 31 | 12 6 | 2 13 | 3 33 |
| S 28 | 4 32 | 2n43 | 0s17 | 1 47 | 0 36 | 19 27 | 1 28 | 23 59 | 0 36 | 13 12 | 0 53 | 14 19 | 1 56 | 15 34 | 0 19 | 11 29 | 1 48 | 5 10 | 13 18 | 1 46 | 1 30 | 12 7 | 2 11 | 3 33 |
| S 29 | 4 55 | 7 17 | 1 39 | 2 3 | 0 52 | 19 49 | 1 31 | 23 59 | 0 38 | 13 16 | 0 53 | 14 20 | 1 56 | 15 35 | 0 19 | 11 29 | 1 48 | 5 10 | 13 18 | 1 46 | 1 29 | 12 9 | 2 10 | 3 33 |
| M30 | 5s19 | 11n22 | 2s54 | 2n13 | 1n 6 | 20s10 | 1s34 | 23n59 | 0n39 | 13s21 | 0n53 | 14s21 | 1s56 | 15s36 | 0n19 | 11s30 | 1n47 | 5n10 | 13s18 | 1s45 | 1s27 | 12s10 | 2n 9 | 3n33 |

Julian Day Number = 2137686.5, Delta T = 15m43s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'34, Lahiri = 11°52'35 Julian Calendar 1 Sept. 1140 == Greg. Calendar 8 Sept. 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## OCTOBER 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 5 3 | 14♎23'24 | 22♉38 | 27♍17 | 24♏22 | 7♋53 | 8♏ 1 | 27°R 5 | 13♏19 | 4♏52 | 20°R42 | 4°R23 | 3♎36 | 10♏53 | 27°R12 | T 1 |
| W 2 | 1 8 59 | 15°23'08 | 7♊25 | 27°45 | 25°33 | 8°17 | 8°14 | 27♒ 2 | 13°22 | 4°54 | 20♉42 | 4♎22 | 3°33 | 11° 0 | 27♓10 | W 2 |
| T 3 | 1 12 56 | 16°22'54 | 21°52 | 28°23 | 26°44 | 8°41 | 8°27 | 27° 0 | 13°26 | 4°56 | 20°41 | 4°20 | 3°29 | 11° 7 | 27° 7 | T 3 |
| F 4 | 1 16 52 | 17°22'43 | 5♋57 | 29° 9 | 27°55 | 9° 5 | 8°39 | 26°58 | 13°29 | 4°58 | 20°40 | 4°20 | 3°26 | 11°13 | 27° 5 | F 4 |
| S 5 | 1 20 49 | 18°22'33 | 19°37 | 0♎ 3 | 29° 6 | 9°28 | 8°52 | 26°56 | 13°33 | 5° 1 | 20°39 | 4°D19 | 3°23 | 11°20 | 27° 2 | S 5 |
| S 6 | 1 24 46 | 19°22'27 | 2♌54 | 1° 4 | 0♐17 | 9°51 | 9° 5 | 26°54 | 13°36 | 5° 3 | 20°38 | 4°20 | 3°20 | 11°27 | 26°59 | S 6 |
| M 7 | 1 28 42 | 20°22'22 | 15°51 | 2°11 | 1°28 | 10°13 | 9°18 | 26°52 | 13°39 | 5° 5 | 20°37 | 4°21 | 3°17 | 11°33 | 26°57 | M 7 |
| T 8 | 1 32 39 | 21°22'20 | 28°29 | 3°23 | 2°39 | 10°35 | 9°31 | 26°51 | 13°43 | 5° 7 | 20°36 | 4°22 | 3°14 | 11°40 | 26°55 | T 8 |
| W 9 | 1 36 35 | 22°22'19 | 10♍53 | 4°40 | 3°50 | 10°56 | 9°44 | 26°49 | 13°46 | 5° 9 | 20°35 | 4°24 | 3°10 | 11°47 | 26°52 | W 9 |
| T 10 | 1 40 32 | 23°22'21 | 23° 5 | 6° 0 | 5° 1 | 11°17 | 9°57 | 26°47 | 13°50 | 5°12 | 20°34 | 4°25 | 3° 7 | 11°53 | 26°50 | T 10 |
| F 11 | 1 44 28 | 24°22'25 | 5♎ 8 | 7°24 | 6°11 | 11°38 | 10°10 | 26°46 | 13°54 | 5°14 | 20°33 | 4°R25 | 3° 4 | 12° 0 | 26°47 | F 11 |
| S 12 | 1 48 25 | 25°22'31 | 17° 5 | 8°51 | 7°22 | 11°58 | 10°23 | 26°45 | 13°57 | 5°16 | 20°32 | 4°24 | 3° 1 | 12° 7 | 26°45 | S 12 |
| S 13 | 1 52 21 | 26°22'39 | 28°57 | 10°20 | 8°32 | 12°18 | 10°36 | 26°43 | 14° 1 | 5°18 | 20°31 | 4°23 | 2°58 | 12°13 | 26°43 | S 13 |
| M14 | 1 56 18 | 27°22'48 | 10♏46 | 11°51 | 9°43 | 12°37 | 10°49 | 26°42 | 14° 4 | 5°20 | 20°30 | 4°20 | 2°54 | 12°20 | 26°40 | M14 |
| T 15 | 2 0 14 | 28°23'00 | 22°35 | 13°23 | 10°53 | 12°55 | 11° 2 | 26°41 | 14° 8 | 5°23 | 20°29 | 4°16 | 2°51 | 12°27 | 26°38 | T 15 |
| W16 | 2 4 11 | 29°23'13 | 4♐25 | 14°57 | 12° 3 | 13°14 | 11°16 | 26°40 | 14°12 | 5°25 | 20°28 | 4°11 | 2°48 | 12°33 | 26°36 | W16 |
| T 17 | 2 8 8 | 0♏23'28 | 16°20 | 16°32 | 13°13 | 13°31 | 11°29 | 26°40 | 14°15 | 5°27 | 20°27 | 4° 7 | 2°45 | 12°40 | 26°34 | T 17 |
| F 18 | 2 12 4 | 1°23'45 | 28°21 | 18° 7 | 14°23 | 13°48 | 11°42 | 26°39 | 14°19 | 5°29 | 20°26 | 4° 3 | 2°42 | 12°47 | 26°31 | F 18 |
| S 19 | 2 16 1 | 2°24'03 | 10♑32 | 19°43 | 15°33 | 14° 5 | 11°55 | 26°38 | 14°22 | 5°32 | 20°25 | 4° 0 | 2°39 | 12°54 | 26°29 | S 19 |
| S 20 | 2 19 57 | 3°24'23 | 22°58 | 21°20 | 16°43 | 14°21 | 12° 9 | 26°38 | 14°26 | 5°34 | 20°24 | 3°58 | 2°35 | 13° 0 | 26°27 | S 20 |
| M21 | 2 23 54 | 4°24'44 | 5♒41 | 22°56 | 17°53 | 14°37 | 12°22 | 26°37 | 14°30 | 5°36 | 20°23 | 3°D57 | 2°32 | 13° 7 | 26°25 | M21 |
| T 22 | 2 27 50 | 5°25'07 | 18°46 | 24°33 | 19° 3 | 14°52 | 12°35 | 26°37 | 14°33 | 5°38 | 20°22 | 3°58 | 2°29 | 13°14 | 26°23 | T 22 |
| W23 | 2 31 47 | 6°25'31 | 2♓15 | 26°10 | 20°12 | 15° 6 | 12°48 | 26°37 | 14°37 | 5°41 | 20°20 | 3°59 | 2°26 | 13°20 | 26°21 | W23 |
| T 24 | 2 35 43 | 7°25'56 | 16°12 | 27°47 | 21°22 | 15°20 | 13° 2 | 26°D37 | 14°41 | 5°43 | 20°19 | 4° 1 | 2°23 | 13°27 | 26°19 | T 24 |
| F 25 | 2 39 40 | 8°26'23 | 0♈36 | 29°24 | 22°31 | 15°33 | 13°15 | 26°37 | 14°45 | 5°45 | 20°18 | 4°R 2 | 2°20 | 13°34 | 26°17 | F 25 |
| S 26 | 2 43 37 | 9°26'51 | 15°25 | 1♏ 1 | 23°41 | 15°46 | 13°28 | 26°37 | 14°48 | 5°47 | 20°17 | 4° 1 | 2°16 | 13°40 | 26°16 | S 26 |
| S 27 | 2 47 33 | 10°27'21 | 0♉32 | 2°37 | 24°50 | 15°58 | 13°42 | 26°37 | 14°52 | 5°50 | 20°16 | 3°59 | 2°13 | 13°47 | 26°14 | S 27 |
| M28 | 2 51 30 | 11°27'52 | 15°49 | 4°14 | 25°59 | 16° 9 | 13°55 | 26°38 | 14°56 | 5°52 | 20°15 | 3°55 | 2°10 | 13°54 | 26°12 | M28 |
| T 29 | 2 55 26 | 12°28'25 | 1♊ 6 | 5°50 | 27° 8 | 16°20 | 14° 8 | 26°38 | 14°59 | 5°54 | 20°14 | 3°50 | 2° 7 | 14° 0 | 26°10 | T 29 |
| W30 | 2 59 23 | 13°29'00 | 16°12 | 7°26 | 28°16 | 16°30 | 14°22 | 26°39 | 15° 3 | 5°56 | 20°13 | 3°44 | 2° 4 | 14° 7 | 26° 9 | W30 |
| T 31 | 3 3 19 | 14♏29'36 | 0♋57 | 9♏ 2 | 29♐25 | 16♋40 | 14♏35 | 26♒39 | 15♏ 7 | 5♏59 | 20♉12 | 3♎38 | 2♎ 0 | 14♏14 | 26♓ 7 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s42 | 14n42 | 3s57 | 2n17 | 1n19 | 20s31 | 1s37 | 24n 0 | 0n41 | 13s25 | 0n53 | 14s21 | 1s56 | 15s37 | 0n19 | 11s31 | 1n47 | 5n 9 | 13s19 | 1s45 | 1s26 | 12s12 | 2n 8 | 3n33 |
| W 2 | 6 5 | 17 0 | 4 43 | 2 16 | 1 30 | 20 52 | 1 40 | 24 0 | 0 43 | 13 29 | 0 53 | 14 22 | 1 56 | 15 38 | 0 19 | 11 32 | 1 47 | 5 9 | 13 19 | 1 44 | 1 25 | 12 13 | 2 7 | 3 32 |
| T 3 | 6 28 | 18 9 | 5 10 | 2 10 | 1 39 | 21 11 | 1 43 | 24 0 | 0 44 | 13 33 | 0 53 | 14 23 | 1 56 | 15 39 | 0 19 | 11 32 | 1 47 | 5 9 | 13 19 | 1 44 | 1 24 | 12 14 | 2 6 | 3 32 |
| F 4 | 6 51 | 18 8 | 5 17 | 1 58 | 1 47 | 21 31 | 1 46 | 24 0 | 0 46 | 13 37 | 0 53 | 14 23 | 1 56 | 15 40 | 0 19 | 11 33 | 1 47 | 5 8 | 13 19 | 1 44 | 1 22 | 12 16 | 2 4 | 3 32 |
| S 5 | 7 14 | 17 4 | 5 6 | 1 43 | 1 53 | 21 50 | 1 49 | 24 0 | 0 48 | 13 42 | 0 52 | 14 24 | 1 55 | 15 41 | 0 19 | 11 34 | 1 47 | 5 8 | 13 19 | 1 44 | 1 21 | 12 17 | 2 3 | 3 32 |
| S 6 | 7 37 | 15 5 | 4 39 | 1 23 | 1 59 | 22 8 | 1 52 | 24 1 | 0 50 | 13 46 | 0 52 | 14 24 | 1 55 | 15 42 | 0 18 | 11 35 | 1 47 | 5 8 | 13 19 | 1 44 | 1 20 | 12 18 | 2 2 | 3 32 |
| M 7 | 8 0 | 12 22 | 3 58 | 1 0 | 2 2 | 22 26 | 1 55 | 24 1 | 0 52 | 13 50 | 0 52 | 14 25 | 1 55 | 15 43 | 0 18 | 11 35 | 1 47 | 5 7 | 13 19 | 1 44 | 1 19 | 12 20 | 2 1 | 3 32 |
| T 8 | 8 22 | 9 9 | 3 6 | 0 34 | 2 5 | 22 43 | 1 58 | 24 1 | 0 54 | 13 54 | 0 52 | 14 25 | 1 55 | 15 44 | 0 18 | 11 36 | 1 47 | 5 7 | 13 19 | 1 45 | 1 17 | 12 21 | 2 0 | 3 32 |
| W 9 | 8 45 | 5 34 | 2 7 | 0 4 | 2 7 | 22 59 | 2 1 | 24 1 | 0 55 | 13 58 | 0 52 | 14 26 | 1 55 | 15 45 | 0 18 | 11 37 | 1 47 | 5 7 | 13 19 | 1 45 | 1 16 | 12 23 | 1 59 | 3 31 |
| T 10 | 9 7 | 1 48 | 1 2 | 0s27 | 2 7 | 23 15 | 2 3 | 24 1 | 0 57 | 14 3 | 0 52 | 14 26 | 1 55 | 15 46 | 0 18 | 11 38 | 1 47 | 5 6 | 13 20 | 1 46 | 1 15 | 12 24 | 1 58 | 3 31 |
| F 11 | 9 29 | 1s59 | 0n 4 | 1 1 | 2 7 | 23 30 | 2 6 | 24 1 | 0 59 | 14 7 | 0 52 | 14 27 | 1 55 | 15 47 | 0 18 | 11 38 | 1 47 | 5 6 | 13 20 | 1 46 | 1 13 | 12 25 | 1 57 | 3 31 |
| S 12 | 9 51 | 5 40 | 1 9 | 1 36 | 2 6 | 23 45 | 2 9 | 24 1 | 1 1 | 14 11 | 0 52 | 14 27 | 1 55 | 15 48 | 0 18 | 11 39 | 1 47 | 5 6 | 13 20 | 1 46 | 1 12 | 12 27 | 1 56 | 3 31 |
| S 13 | 10 13 | 9 6 | 2 11 | 2 13 | 2 4 | 23 59 | 2 11 | 24 2 | 1 3 | 14 15 | 0 52 | 14 27 | 1 55 | 15 49 | 0 18 | 11 40 | 1 47 | 5 5 | 13 20 | 1 45 | 1 11 | 12 28 | 1 54 | 3 31 |
| M14 | 10 35 | 12 10 | 3 7 | 2 51 | 2 1 | 24 13 | 2 14 | 24 2 | 1 5 | 14 19 | 0 52 | 14 28 | 1 54 | 15 51 | 0 18 | 11 41 | 1 47 | 5 5 | 13 20 | 1 44 | 1 10 | 12 29 | 1 53 | 3 31 |
| T 15 | 10 57 | 14 43 | 3 55 | 3 30 | 1 58 | 24 25 | 2 16 | 24 2 | 1 7 | 14 24 | 0 51 | 14 28 | 1 54 | 15 52 | 0 18 | 11 41 | 1 47 | 5 5 | 13 20 | 1 42 | 1 8 | 12 31 | 1 52 | 3 30 |
| W16 | 11 18 | 16 39 | 4 33 | 4 10 | 1 54 | 24 37 | 2 18 | 24 2 | 1 9 | 14 28 | 0 51 | 14 28 | 1 54 | 15 53 | 0 18 | 11 42 | 1 47 | 5 4 | 13 20 | 1 40 | 1 7 | 12 32 | 1 51 | 3 30 |
| T 17 | 11 40 | 17 53 | 4 59 | 4 50 | 1 50 | 24 49 | 2 21 | 24 3 | 1 11 | 14 32 | 0 51 | 14 28 | 1 54 | 15 54 | 0 18 | 11 43 | 1 47 | 5 4 | 13 20 | 1 39 | 1 6 | 12 34 | 1 50 | 3 30 |
| F 18 | 12 1 | 18 20 | 5 12 | 5 31 | 1 46 | 25 0 | 2 23 | 24 3 | 1 14 | 14 36 | 0 51 | 14 28 | 1 54 | 15 55 | 0 18 | 11 44 | 1 47 | 5 4 | 13 20 | 1 37 | 1 5 | 12 35 | 1 49 | 3 30 |
| S 19 | 12 22 | 17 57 | 5 11 | 6 12 | 1 41 | 25 10 | 2 25 | 24 3 | 1 16 | 14 40 | 0 51 | 14 28 | 1 54 | 15 56 | 0 18 | 11 44 | 1 47 | 5 3 | 13 20 | 1 36 | 1 3 | 12 36 | 1 48 | 3 30 |
| S 20 | 12 42 | 16 43 | 4 57 | 6 53 | 1 35 | 25 19 | 2 27 | 24 4 | 1 18 | 14 44 | 0 51 | 14 28 | 1 54 | 15 57 | 0 18 | 11 45 | 1 47 | 5 3 | 13 20 | 1 35 | 1 2 | 12 38 | 1 47 | 3 30 |
| M21 | 13 3 | 14 37 | 4 27 | 7 34 | 1 30 | 25 28 | 2 29 | 24 4 | 1 20 | 14 49 | 0 51 | 14 28 | 1 54 | 15 58 | 0 18 | 11 46 | 1 47 | 5 3 | 13 20 | 1 35 | 1 1 | 12 39 | 1 46 | 3 29 |
| T 22 | 13 23 | 11 44 | 3 43 | 8 15 | 1 24 | 25 36 | 2 31 | 24 5 | 1 22 | 14 53 | 0 51 | 14 28 | 1 53 | 15 59 | 0 18 | 11 47 | 1 47 | 5 2 | 13 20 | 1 35 | 1 0 | 12 40 | 1 45 | 3 29 |
| W23 | 13 43 | 8 9 | 2 45 | 8 56 | 1 18 | 25 43 | 2 33 | 24 5 | 1 25 | 14 57 | 0 51 | 14 28 | 1 53 | 16 0 | 0 18 | 11 47 | 1 47 | 5 2 | 13 20 | 1 36 | 0 58 | 12 42 | 1 44 | 3 29 |
| T 24 | 14 3 | 4 0 | 1 36 | 9 37 | 1 12 | 25 50 | 2 34 | 24 6 | 1 27 | 15 1 | 0 51 | 14 28 | 1 53 | 16 1 | 0 18 | 11 48 | 1 47 | 5 2 | 13 20 | 1 36 | 0 57 | 12 43 | 1 43 | 3 29 |
| F 25 | 14 23 | 0n32 | 0 19 | 10 17 | 1 6 | 25 56 | 2 36 | 24 7 | 1 29 | 15 5 | 0 51 | 14 28 | 1 53 | 16 3 | 0 18 | 11 49 | 1 47 | 5 1 | 13 21 | 1 37 | 0 56 | 12 44 | 1 42 | 3 29 |
| S 26 | 14 42 | 5 9 | 1s 2 | 10 57 | 0 59 | 26 1 | 2 37 | 24 8 | 1 31 | 15 9 | 0 51 | 14 28 | 1 53 | 16 4 | 0 18 | 11 50 | 1 47 | 5 1 | 13 21 | 1 36 | 0 54 | 12 46 | 1 41 | 3 28 |
| S 27 | 15 1 | 9 32 | 2 20 | 11 37 | 0 53 | 26 5 | 2 39 | 24 8 | 1 34 | 15 13 | 0 51 | 14 28 | 1 53 | 16 5 | 0 18 | 11 50 | 1 47 | 5 1 | 13 21 | 1 35 | 0 53 | 12 47 | 1 41 | 3 28 |
| M28 | 15 20 | 13 20 | 3 28 | 12 16 | 0 46 | 26 9 | 2 40 | 24 9 | 1 36 | 15 17 | 0 50 | 14 28 | 1 53 | 16 6 | 0 18 | 11 51 | 1 47 | 5 1 | 13 21 | 1 34 | 0 52 | 12 48 | 1 40 | 3 28 |
| T 29 | 15 39 | 16 12 | 4 21 | 12 54 | 0 39 | 26 12 | 2 41 | 24 10 | 1 39 | 15 21 | 0 50 | 14 27 | 1 52 | 16 7 | 0 18 | 11 52 | 1 47 | 5 0 | 13 21 | 1 32 | 0 51 | 12 50 | 1 39 | 3 28 |
| W30 | 15 57 | 17 55 | 4 56 | 13 32 | 0 33 | 26 15 | 2 42 | 24 12 | 1 41 | 15 25 | 0 50 | 14 27 | 1 52 | 16 8 | 0 18 | 11 53 | 1 47 | 5 0 | 13 21 | 1 29 | 0 49 | 12 51 | 1 38 | 3 28 |
| T 31 | 16s16 | 18n23 | 5s10 | 14s10 | 0n26 | 26s16 | 2s43 | 24n13 | 1n43 | 15s29 | 0n50 | 14s27 | 1s52 | 16s 9 | 0n18 | 11s53 | 1n47 | 5n 0 | 13s21 | 1s27 | 0s48 | 12s52 | 1n37 | 3n27 |

Julian Day Number = 2137716.5, Delta T = 15m42s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'38, Lahiri = 11°52'39 Julian Calendar 1 Oct. 1140 == Greg. Calendar 8 Oct. 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## NOVEMBER 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 7 16 | 15♏30'15 | 15♋15 | 10♏38 | 0♉33 | 16♋49 | 14♏48 | 26♒40 | 15♏11 | 6♏ 1 | 20°R10 | 3°R33 | 1♎57 | 14♏20 | 26°R 5 | F 1 |
| S 2 | 3 11 12 | 16°30'54 | 29° 5 | 12°14 | 1°42 | 16°57 | 15° 2 | 26°41 | 15°14 | 6° 3 | 20♉ 9 | 3♎29 | 1°54 | 14°27 | 26♓ 4 | S 2 |
| S 3 | 3 15 9 | 17°31'36 | 12♌26 | 13°49 | 2°50 | 17° 4 | 15°15 | 26°42 | 15°18 | 6° 5 | 20° 8 | 3°D28 | 1°51 | 14°34 | 26° 2 | S 3 |
| M 4 | 3 19 6 | 18°32'19 | 25°21 | 15°24 | 3°58 | 17°11 | 15°28 | 26°43 | 15°22 | 6° 8 | 20° 7 | 3°28 | 1°48 | 14°40 | 26° 1 | M 4 |
| T 5 | 3 23 2 | 19°33'04 | 7♍54 | 16°59 | 5° 6 | 17°17 | 15°42 | 26°44 | 15°25 | 6°10 | 20° 6 | 3°29 | 1°45 | 14°47 | 26° 0 | T 5 |
| W 6 | 3 26 59 | 20°33'50 | 20°10 | 18°34 | 6°14 | 17°22 | 15°55 | 26°46 | 15°29 | 6°12 | 20° 5 | 3°30 | 1°41 | 14°54 | 25°58 | W 6 |
| T 7 | 3 30 55 | 21°34'38 | 2♎12 | 20° 9 | 7°21 | 17°27 | 16° 8 | 26°47 | 15°33 | 6°14 | 20° 4 | 3°R31 | 1°38 | 15° 0 | 25°57 | T 7 |
| F 8 | 3 34 52 | 22°35'28 | 14° 7 | 21°44 | 8°29 | 17°30 | 16°22 | 26°49 | 15°37 | 6°16 | 20° 2 | 3°31 | 1°35 | 15° 7 | 25°56 | F 8 |
| S 9 | 3 38 48 | 23°36'19 | 25°57 | 23°18 | 9°36 | 17°33 | 16°35 | 26°50 | 15°40 | 6°19 | 20° 1 | 3°28 | 1°32 | 15°14 | 25°54 | S 9 |
| S 10 | 3 42 45 | 24°37'11 | 7♏45 | 24°53 | 10°43 | 17°35 | 16°48 | 26°52 | 15°44 | 6°21 | 20° 0 | 3°22 | 1°29 | 15°20 | 25°53 | S 10 |
| M11 | 3 46 41 | 25°38'05 | 19°35 | 26°27 | 11°50 | 17°37 | 17° 2 | 26°54 | 15°48 | 6°23 | 19°59 | 3°15 | 1°26 | 15°27 | 25°52 | M11 |
| T 12 | 3 50 38 | 26°39'00 | 1♐27 | 28° 1 | 12°57 | 17°R37 | 17°15 | 26°56 | 15°51 | 6°25 | 19°58 | 3° 5 | 1°22 | 15°34 | 25°51 | T 12 |
| W13 | 3 54 35 | 27°39'56 | 13°23 | 29°35 | 14° 3 | 17°37 | 17°28 | 26°58 | 15°55 | 6°27 | 19°57 | 2°54 | 1°19 | 15°41 | 25°50 | W13 |
| T 14 | 3 58 31 | 28°40'53 | 25°24 | 1♐10 | 15°10 | 17°36 | 17°42 | 27° 0 | 15°59 | 6°29 | 19°56 | 2°43 | 1°16 | 15°47 | 25°49 | T 14 |
| F 15 | 4 2 28 | 29°41'51 | 7♑33 | 2°44 | 16°16 | 17°34 | 17°55 | 27° 2 | 16° 2 | 6°31 | 19°55 | 2°32 | 1°13 | 15°54 | 25°48 | F 15 |
| S 16 | 4 6 24 | 0♐42'49 | 19°51 | 4°18 | 17°22 | 17°31 | 18° 8 | 27° 4 | 16° 6 | 6°34 | 19°53 | 2°23 | 1°10 | 16° 1 | 25°48 | S 16 |
| S 17 | 4 10 21 | 1°43'49 | 2♒19 | 5°52 | 18°27 | 17°28 | 18°21 | 27° 7 | 16°10 | 6°36 | 19°52 | 2°16 | 1° 6 | 16° 7 | 25°47 | S 17 |
| M18 | 4 14 17 | 2°44'49 | 15° 2 | 7°26 | 19°33 | 17°23 | 18°34 | 27° 9 | 16°13 | 6°38 | 19°51 | 2°12 | 1° 3 | 16°14 | 25°46 | M18 |
| T 19 | 4 18 14 | 3°45'50 | 28° 1 | 9° 0 | 20°38 | 17°18 | 18°48 | 27°12 | 16°17 | 6°40 | 19°50 | 2°D11 | 1° 0 | 16°21 | 25°46 | T 19 |
| W20 | 4 22 10 | 4°46'52 | 11♓21 | 10°34 | 21°43 | 17°12 | 19° 1 | 27°15 | 16°20 | 6°42 | 19°49 | 2°11 | 0°57 | 16°27 | 25°45 | W20 |
| T 21 | 4 26 7 | 5°47'54 | 25° 4 | 12° 9 | 22°47 | 17° 5 | 19°14 | 27°18 | 16°24 | 6°44 | 19°48 | 2°R11 | 0°54 | 16°34 | 25°44 | T 21 |
| F 22 | 4 30 4 | 6°48'57 | 9♈12 | 13°43 | 23°52 | 16°57 | 19°27 | 27°21 | 16°27 | 6°46 | 19°47 | 2°11 | 0°51 | 16°41 | 25°44 | F 22 |
| S 23 | 4 34 0 | 7°50'00 | 23°45 | 15°17 | 24°56 | 16°49 | 19°40 | 27°24 | 16°31 | 6°48 | 19°46 | 2° 9 | 0°47 | 16°47 | 25°43 | S 23 |
| S 24 | 4 37 57 | 8°51'03 | 8♉39 | 16°52 | 26° 0 | 16°39 | 19°53 | 27°27 | 16°34 | 6°50 | 19°45 | 2° 5 | 0°44 | 16°54 | 25°43 | S 24 |
| M25 | 4 41 53 | 9°52'08 | 23°48 | 18°26 | 27° 3 | 16°29 | 20° 6 | 27°30 | 16°38 | 6°52 | 19°44 | 1°58 | 0°41 | 17° 1 | 25°43 | M25 |
| T 26 | 4 45 50 | 10°53'13 | 9♊ 2 | 20° 0 | 28° 6 | 16°18 | 20°19 | 27°33 | 16°41 | 6°54 | 19°43 | 1°48 | 0°38 | 17° 7 | 25°43 | T 26 |
| W27 | 4 49 46 | 11°54'18 | 24°11 | 21°35 | 29° 9 | 16° 6 | 20°32 | 27°37 | 16°45 | 6°56 | 19°42 | 1°38 | 0°35 | 17°14 | 25°42 | W27 |
| T 28 | 4 53 43 | 12°55'24 | 9♋ 5 | 23°10 | 0♒11 | 15°54 | 20°45 | 27°40 | 16°48 | 6°58 | 19°41 | 1°27 | 0°32 | 17°21 | 25°42 | T 28 |
| F 29 | 4 57 39 | 13°56'31 | 23°34 | 24°44 | 1°13 | 15°40 | 20°58 | 27°44 | 16°52 | 7° 0 | 19°39 | 1°17 | 0°28 | 17°28 | 25°42 | F 29 |
| S 30 | 5 1 36 | 14♐57'39 | 7♌34 | 26♐19 | 2♒15 | 15♋26 | 21♏10 | 27♒47 | 16♏55 | 7♏ 1 | 19♉38 | 1♎10 | 0♎25 | 17♏34 | 25°D42 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s33 | 17n38 | 5s 4 | 14s47 | 0n19 | 26s17 | 2s44 | 24n14 | 1n46 | 15s33 | 0n50 | 14s26 | 1s52 | 16s10 | 0n18 | 11s54 | 1n47 | 4n59 | 13s21 | 1s25 | 0s47 | 12s54 | 1n36 | 3n27 |
| S 2 | 16 51 | 15 52 | 4 40 | 15 23 | 0 12 | 26 17 | 2 45 | 24 16 | 1 48 | 15 37 | 0 50 | 14 26 | 1 52 | 16 11 | 0 18 | 11 55 | 1 47 | 4 59 | 13 21 | 1 24 | 0 46 | 12 55 | 1 36 | 3 27 |
| S 3 | 17 8 | 13 17 | 4 2 | 15 58 | 0 6 | 26 17 | 2 46 | 24 17 | 1 51 | 15 41 | 0 50 | 14 25 | 1 52 | 16 12 | 0 18 | 11 55 | 1 47 | 4 59 | 13 21 | 1 23 | 0 44 | 12 56 | 1 35 | 3 27 |
| M 4 | 17 25 | 10 7 | 3 12 | 16 33 | 0s 1 | 26 15 | 2 46 | 24 19 | 1 54 | 15 45 | 0 50 | 14 25 | 1 52 | 16 14 | 0 18 | 11 56 | 1 47 | 4 59 | 13 21 | 1 23 | 0 43 | 12 58 | 1 34 | 3 26 |
| T 5 | 17 42 | 6 34 | 2 14 | 17 7 | 0 8 | 26 13 | 2 47 | 24 21 | 1 56 | 15 49 | 0 50 | 14 24 | 1 52 | 16 15 | 0 18 | 11 57 | 1 47 | 4 58 | 13 21 | 1 23 | 0 42 | 12 59 | 1 33 | 3 26 |
| W 6 | 17 58 | 2 49 | 1 12 | 17 40 | 0 14 | 26 11 | 2 47 | 24 23 | 1 59 | 15 53 | 0 50 | 14 24 | 1 51 | 16 16 | 0 18 | 11 58 | 1 47 | 4 58 | 13 20 | 1 24 | 0 41 | 13 0 | 1 32 | 3 26 |
| T 7 | 18 14 | 0s59 | 0 7 | 18 12 | 0 21 | 26 7 | 2 47 | 24 25 | 2 1 | 15 57 | 0 50 | 14 23 | 1 51 | 16 17 | 0 18 | 11 58 | 1 47 | 4 58 | 13 20 | 1 24 | 0 39 | 13 2 | 1 32 | 3 26 |
| F 8 | 18 30 | 4 43 | 0n57 | 18 43 | 0 27 | 26 3 | 2 47 | 24 27 | 2 4 | 16 1 | 0 50 | 14 22 | 1 51 | 16 18 | 0 18 | 11 59 | 1 47 | 4 58 | 13 20 | 1 24 | 0 38 | 13 3 | 1 31 | 3 26 |
| S 9 | 18 46 | 8 14 | 1 58 | 19 14 | 0 34 | 25 59 | 2 47 | 24 29 | 2 7 | 16 5 | 0 50 | 14 22 | 1 51 | 16 19 | 0 18 | 12 0 | 1 47 | 4 57 | 13 20 | 1 23 | 0 37 | 13 4 | 1 30 | 3 25 |
| S 10 | 19 1 | 11 25 | 2 54 | 19 43 | 0 40 | 25 53 | 2 47 | 24 31 | 2 9 | 16 8 | 0 50 | 14 21 | 1 51 | 16 20 | 0 18 | 12 0 | 1 47 | 4 57 | 13 20 | 1 21 | 0 35 | 13 6 | 1 30 | 3 25 |
| M11 | 19 15 | 14 9 | 3 42 | 20 12 | 0 46 | 25 47 | 2 47 | 24 34 | 2 12 | 16 12 | 0 50 | 14 20 | 1 51 | 16 21 | 0 18 | 12 1 | 1 47 | 4 57 | 13 20 | 1 18 | 0 34 | 13 7 | 1 29 | 3 25 |
| T 12 | 19 30 | 16 18 | 4 20 | 20 40 | 0 52 | 25 40 | 2 46 | 24 37 | 2 15 | 16 16 | 0 50 | 14 19 | 1 51 | 16 22 | 0 18 | 12 2 | 1 47 | 4 57 | 13 20 | 1 14 | 0 33 | 13 8 | 1 28 | 3 25 |
| W13 | 19 44 | 17 45 | 4 47 | 21 6 | 0 58 | 25 33 | 2 46 | 24 39 | 2 18 | 16 20 | 0 50 | 14 19 | 1 50 | 16 23 | 0 18 | 12 2 | 1 47 | 4 56 | 13 20 | 1 9 | 0 32 | 13 10 | 1 28 | 3 24 |
| T 14 | 19 57 | 18 26 | 5 2 | 21 32 | 1 4 | 25 25 | 2 45 | 24 42 | 2 20 | 16 24 | 0 50 | 14 18 | 1 50 | 16 24 | 0 18 | 12 3 | 1 47 | 4 56 | 13 20 | 1 5 | 0 30 | 13 11 | 1 27 | 3 24 |
| F 15 | 20 11 | 18 17 | 5 3 | 21 56 | 1 10 | 25 16 | 2 44 | 24 45 | 2 23 | 16 27 | 0 49 | 14 17 | 1 50 | 16 25 | 0 18 | 12 4 | 1 48 | 4 56 | 13 20 | 1 1 | 0 29 | 13 12 | 1 27 | 3 24 |
| S 16 | 20 24 | 17 17 | 4 51 | 22 20 | 1 15 | 25 6 | 2 43 | 24 48 | 2 26 | 16 31 | 0 49 | 14 16 | 1 50 | 16 26 | 0 18 | 12 4 | 1 48 | 4 56 | 13 20 | 0 57 | 0 28 | 13 13 | 1 26 | 3 24 |
| S 17 | 20 36 | 15 26 | 4 24 | 22 42 | 1 21 | 24 56 | 2 42 | 24 52 | 2 29 | 16 35 | 0 49 | 14 15 | 1 50 | 16 28 | 0 18 | 12 5 | 1 48 | 4 56 | 13 20 | 0 54 | 0 27 | 13 15 | 1 26 | 3 24 |
| M18 | 20 48 | 12 50 | 3 44 | 23 4 | 1 26 | 24 46 | 2 40 | 24 55 | 2 32 | 16 38 | 0 49 | 14 14 | 1 50 | 16 29 | 0 18 | 12 6 | 1 48 | 4 55 | 13 20 | 0 53 | 0 25 | 13 16 | 1 25 | 3 23 |
| T 19 | 21 0 | 9 32 | 2 52 | 23 24 | 1 31 | 24 34 | 2 39 | 24 58 | 2 34 | 16 42 | 0 49 | 14 13 | 1 50 | 16 30 | 0 18 | 12 6 | 1 48 | 4 55 | 13 20 | 0 52 | 0 24 | 13 17 | 1 25 | 3 23 |
| W20 | 21 11 | 5 40 | 1 49 | 23 43 | 1 36 | 24 23 | 2 37 | 25 2 | 2 37 | 16 46 | 0 49 | 14 12 | 1 50 | 16 31 | 0 18 | 12 7 | 1 48 | 4 55 | 13 19 | 0 52 | 0 23 | 13 19 | 1 24 | 3 23 |
| T 21 | 21 22 | 1 23 | 0 38 | 24 0 | 1 40 | 24 10 | 2 36 | 25 6 | 2 40 | 16 49 | 0 49 | 14 11 | 1 49 | 16 32 | 0 18 | 12 8 | 1 48 | 4 55 | 13 19 | 0 52 | 0 21 | 13 20 | 1 24 | 3 23 |
| F 22 | 21 33 | 3n 6 | 0s37 | 24 17 | 1 44 | 23 57 | 2 34 | 25 10 | 2 43 | 16 53 | 0 49 | 14 10 | 1 49 | 16 33 | 0 18 | 12 8 | 1 48 | 4 55 | 13 19 | 0 52 | 0 20 | 13 21 | 1 23 | 3 22 |
| S 23 | 21 43 | 7 31 | 1 52 | 24 32 | 1 49 | 23 43 | 2 32 | 25 13 | 2 46 | 16 56 | 0 49 | 14 8 | 1 49 | 16 34 | 0 18 | 12 9 | 1 48 | 4 55 | 13 19 | 0 52 | 0 19 | 13 22 | 1 23 | 3 22 |
| S 24 | 21 53 | 11 35 | 3 1 | 24 46 | 1 52 | 23 29 | 2 29 | 25 17 | 2 48 | 17 0 | 0 49 | 14 7 | 1 49 | 16 35 | 0 18 | 12 10 | 1 48 | 4 54 | 13 19 | 0 50 | 0 18 | 13 24 | 1 23 | 3 22 |
| M25 | 22 2 | 14 57 | 3 58 | 24 58 | 1 56 | 23 15 | 2 27 | 25 21 | 2 51 | 17 4 | 0 49 | 14 6 | 1 49 | 16 36 | 0 18 | 12 10 | 1 48 | 4 54 | 13 19 | 0 47 | 0 16 | 13 25 | 1 22 | 3 22 |
| T 26 | 22 11 | 17 19 | 4 39 | 25 9 | 1 59 | 22 59 | 2 24 | 25 26 | 2 54 | 17 7 | 0 49 | 14 5 | 1 49 | 16 37 | 0 18 | 12 11 | 1 48 | 4 54 | 13 19 | 0 43 | 0 15 | 13 26 | 1 22 | 3 21 |
| W27 | 22 19 | 18 26 | 5 0 | 25 19 | 2 2 | 22 44 | 2 22 | 25 30 | 2 57 | 17 10 | 0 49 | 14 3 | 1 49 | 16 38 | 0 18 | 12 11 | 1 48 | 4 54 | 13 19 | 0 39 | 0 14 | 13 28 | 1 22 | 3 21 |
| T 28 | 22 27 | 18 15 | 4 59 | 25 27 | 2 5 | 22 28 | 2 19 | 25 34 | 3 0 | 17 14 | 0 49 | 14 2 | 1 49 | 16 39 | 0 18 | 12 12 | 1 48 | 4 54 | 13 18 | 0 35 | 0 13 | 13 29 | 1 21 | 3 21 |
| F 29 | 22 35 | 16 53 | 4 40 | 25 33 | 2 7 | 22 11 | 2 16 | 25 38 | 3 2 | 17 17 | 0 49 | 14 1 | 1 48 | 16 40 | 0 18 | 12 13 | 1 48 | 4 54 | 13 18 | 0 31 | 0 11 | 13 30 | 1 21 | 3 21 |
| S 30 | 22s42 | 14n32 | 4s 4 | 25s39 | 2s 9 | 21s54 | 2s12 | 25n43 | 3n 5 | 17s21 | 0n49 | 13s59 | 1s48 | 16s41 | 0n18 | 12s13 | 1n48 | 4n54 | 13s18 | 0s28 | 0s10 | 13s31 | 1n21 | 3n20 |

Julian Day Number = 2137747.5, Delta T = 15m42s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'43, Lahiri = 11°52'43 Julian Calendar 1 Nov. 1140 == Greg. Calendar 8 Nov. 1140


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# ASTRODIENST EPHEMERIS for the year 1140
# geocentric

## DECEMBER 1140 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 5 33 | 15♐58'47 | 21♌ 3 | 27♐53 | 3♒16 | 15°R11 | 21♏23 | 27♒51 | 16♏59 | 7♏ 3 | 19°R37 | 1°R 5 | 0♎22 | 17♏41 | 25♓42 | S 1 |
| M 2 | 5 9 29 | 16°59'57 | 4♍ 4 | 29°27 | 4°17 | 14♋55 | 21°36 | 27°55 | 17° 2 | 7° 5 | 19♉36 | 1♎ 2 | 0°19 | 17°48 | 25°42 | M 2 |
| T 3 | 5 13 26 | 18° 1'06 | 16°40 | 1♏ 2 | 5°18 | 14°38 | 21°49 | 27°59 | 17° 5 | 7° 7 | 19°35 | 1°D 1 | 0°16 | 17°54 | 25°42 | T 3 |
| W 4 | 5 17 22 | 19° 2'17 | 28°56 | 2°36 | 6°18 | 14°21 | 22° 1 | 28° 3 | 17° 9 | 7° 9 | 19°35 | 1°R 2 | 0°12 | 18° 1 | 25°42 | W 4 |
| T 5 | 5 21 19 | 20° 3'28 | 10♎57 | 4° 9 | 7°18 | 14° 3 | 22°14 | 28° 7 | 17°12 | 7°11 | 19°34 | 1° 1 | 0° 9 | 18° 8 | 25°43 | T 5 |
| F 6 | 5 25 15 | 21° 4'39 | 22°49 | 5°42 | 8°17 | 13°44 | 22°27 | 28°11 | 17°15 | 7°12 | 19°33 | 0°59 | 0° 6 | 18°14 | 25°43 | F 6 |
| S 7 | 5 29 12 | 22° 5'51 | 4♏37 | 7°15 | 9°16 | 13°25 | 22°39 | 28°16 | 17°18 | 7°14 | 19°32 | 0°55 | 0° 3 | 18°21 | 25°43 | S 7 |
| S 8 | 5 33 8 | 23° 7'04 | 16°25 | 8°47 | 10°14 | 13° 5 | 22°52 | 28°20 | 17°22 | 7°16 | 19°31 | 0°48 | 29♍59 | 18°28 | 25°44 | S 8 |
| M 9 | 5 37 5 | 24° 8'17 | 28°16 | 10°18 | 11°12 | 12°45 | 23° 4 | 28°24 | 17°25 | 7°17 | 19°30 | 0°37 | 29°57 | 18°34 | 25°44 | M 9 |
| T 10 | 5 41 2 | 25° 9'30 | 10♐13 | 11°48 | 12° 9 | 12°24 | 23°16 | 28°29 | 17°28 | 7°19 | 19°29 | 0°24 | 29°53 | 18°41 | 25°45 | T 10 |
| W11 | 5 44 58 | 26°10'43 | 22°18 | 13°17 | 13° 5 | 12° 2 | 23°29 | 28°34 | 17°31 | 7°21 | 19°28 | 0°10 | 29°50 | 18°48 | 25°45 | W11 |
| T 12 | 5 48 55 | 27°11'57 | 4♑31 | 14°44 | 14° 1 | 11°40 | 23°41 | 28°38 | 17°34 | 7°22 | 19°27 | 29♍55 | 29°47 | 18°54 | 25°46 | T 12 |
| F 13 | 5 52 51 | 28°13'11 | 16°53 | 16° 9 | 14°57 | 11°18 | 23°53 | 28°43 | 17°37 | 7°24 | 19°26 | 29°41 | 29°44 | 19° 1 | 25°47 | F 13 |
| S 14 | 5 56 48 | 29°14'24 | 29°25 | 17°31 | 15°52 | 10°55 | 24° 5 | 28°48 | 17°40 | 7°26 | 19°25 | 29°28 | 29°41 | 19° 8 | 25°48 | S 14 |
| S 15 | 6 0 44 | 0♑15'37 | 12♒ 7 | 18°51 | 16°46 | 10°32 | 24°17 | 28°53 | 17°43 | 7°27 | 19°25 | 29°19 | 29°38 | 19°15 | 25°48 | S 15 |
| M16 | 6 4 41 | 1°16'50 | 24°59 | 20° 8 | 17°40 | 10° 9 | 24°29 | 28°58 | 17°46 | 7°29 | 19°24 | 29°13 | 29°34 | 19°21 | 25°49 | M16 |
| T 17 | 6 8 38 | 2°18'02 | 8♓ 5 | 21°20 | 18°33 | 9°45 | 24°41 | 29° 3 | 17°49 | 7°30 | 19°23 | 29° 9 | 29°31 | 19°28 | 25°50 | T 17 |
| W18 | 6 12 34 | 3°19'15 | 21°25 | 22°28 | 19°25 | 9°21 | 24°53 | 29° 8 | 17°52 | 7°32 | 19°22 | 29° 8 | 29°28 | 19°35 | 25°51 | W18 |
| T 19 | 6 16 31 | 4°20'26 | 5♈ 2 | 23°31 | 20°16 | 8°58 | 25° 5 | 29°13 | 17°55 | 7°33 | 19°21 | 29° 8 | 29°25 | 19°41 | 25°52 | T 19 |
| F 20 | 6 20 27 | 5°21'37 | 18°57 | 24°28 | 21° 7 | 8°34 | 25°17 | 29°19 | 17°58 | 7°34 | 19°21 | 29° 8 | 29°22 | 19°48 | 25°53 | F 20 |
| S 21 | 6 24 24 | 6°22'47 | 3♉11 | 25°18 | 21°56 | 8° 9 | 25°28 | 29°24 | 18° 0 | 7°36 | 19°20 | 29° 6 | 29°18 | 19°55 | 25°54 | S 21 |
| S 22 | 6 28 20 | 7°23'57 | 17°43 | 26° 0 | 22°45 | 7°45 | 25°40 | 29°29 | 18° 3 | 7°37 | 19°19 | 29° 1 | 29°15 | 20° 1 | 25°56 | S 22 |
| M23 | 6 32 17 | 8°25'07 | 2♊29 | 26°33 | 23°33 | 7°21 | 25°52 | 29°35 | 18° 6 | 7°39 | 19°19 | 28°54 | 29°12 | 20° 8 | 25°57 | M23 |
| T 24 | 6 36 13 | 9°26'15 | 17°23 | 26°57 | 24°20 | 6°58 | 26° 3 | 29°41 | 18° 9 | 7°40 | 19°18 | 28°44 | 29° 9 | 20°15 | 25°58 | T 24 |
| W25 | 6 40 10 | 10°27'23 | 2♋15 | 27°10 | 25° 6 | 6°34 | 26°14 | 29°46 | 18°11 | 7°41 | 19°17 | 28°32 | 29° 6 | 20°21 | 25°59 | W25 |
| T 26 | 6 44 7 | 11°28'31 | 16°58 | 27°R13 | 25°52 | 6°10 | 26°26 | 29°52 | 18°14 | 7°42 | 19°17 | 28°20 | 29° 3 | 20°28 | 26° 1 | T 26 |
| F 27 | 6 48 3 | 12°29'38 | 1♌23 | 27° 4 | 26°36 | 5°47 | 26°37 | 29°58 | 18°16 | 7°44 | 19°16 | 28° 9 | 28°59 | 20°35 | 26° 2 | F 27 |
| S 28 | 6 52 0 | 13°30'45 | 15°23 | 26°43 | 27°19 | 5°24 | 26°48 | 0♓ 3 | 18°19 | 7°45 | 19°15 | 28° 1 | 28°56 | 20°42 | 26° 4 | S 28 |
| S 29 | 6 55 56 | 14°31'51 | 28°57 | 26°10 | 28° 0 | 5° 1 | 26°59 | 0° 9 | 18°21 | 7°46 | 19°15 | 27°55 | 28°53 | 20°48 | 26° 5 | S 29 |
| M30 | 6 59 53 | 15°32'57 | 12♍ 3 | 25°26 | 28°41 | 4°39 | 27°10 | 0°15 | 18°24 | 7°47 | 19°14 | 27°52 | 28°50 | 20°55 | 26° 7 | M30 |
| T 31 | 7 3 49 | 16♑34'02 | 24♍44 | 24♑33 | 29♒21 | 4♋17 | 27♏21 | 0♓21 | 18♏26 | 7♏48 | 19♉14 | 27°D50 | 28♍47 | 21♏ 2 | 26♓ 9 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s48 | 11n28 | 3s15 | 25s42 | 2s10 | 21s36 | 2s 9 | 25n47 | 3n 8 | 17s24 | 0n49 | 13s58 | 1s48 | 16s42 | 0n18 | 12s14 | 1n48 | 4n54 | 13s18 | 0s26 | 0s 9 | 13s33 | 1n21 | 3n20 |
| M 2 | 22 55 | 7 55 | 2 18 | 25 44 | 2 12 | 21 18 | 2 5 | 25 52 | 3 10 | 17 27 | 0 49 | 13 56 | 1 48 | 16 43 | 0 18 | 12 14 | 1 48 | 4 53 | 13 18 | 0 25 | 0 8 | 13 34 | 1 20 | 3 20 |
| T 3 | 23 0 | 4 8 | 1 15 | 25 45 | 2 12 | 21 0 | 2 1 | 25 56 | 3 13 | 17 31 | 0 49 | 13 55 | 1 48 | 16 44 | 0 18 | 12 15 | 1 48 | 4 53 | 13 18 | 0 25 | 0 6 | 13 35 | 1 20 | 3 20 |
| W 4 | 23 6 | 0 15 | 0 11 | 25 44 | 2 12 | 20 41 | 1 57 | 26 1 | 3 16 | 17 34 | 0 49 | 13 53 | 1 48 | 16 44 | 0 18 | 12 15 | 1 48 | 4 53 | 13 18 | 0 25 | 0 5 | 13 37 | 1 20 | 3 19 |
| T 5 | 23 10 | 3s33 | 0n52 | 25 41 | 2 12 | 20 21 | 1 53 | 26 5 | 3 18 | 17 37 | 0 49 | 13 52 | 1 48 | 16 45 | 0 18 | 12 16 | 1 48 | 4 53 | 13 17 | 0 24 | 0 4 | 13 38 | 1 20 | 3 19 |
| F 6 | 23 15 | 7 10 | 1 53 | 25 37 | 2 11 | 20 2 | 1 49 | 26 10 | 3 21 | 17 40 | 0 49 | 13 50 | 1 48 | 16 46 | 0 18 | 12 17 | 1 48 | 4 53 | 13 17 | 0 24 | 0 2 | 13 39 | 1 20 | 3 19 |
| S 7 | 23 19 | 10 29 | 2 48 | 25 31 | 2 10 | 19 42 | 1 44 | 26 14 | 3 23 | 17 44 | 0 49 | 13 49 | 1 47 | 16 47 | 0 18 | 12 17 | 1 48 | 4 53 | 13 17 | 0 22 | 0 1 | 13 40 | 1 20 | 3 19 |
| S 8 | 23 22 | 13 23 | 3 35 | 25 23 | 2 8 | 19 21 | 1 40 | 26 18 | 3 25 | 17 47 | 0 49 | 13 47 | 1 47 | 16 48 | 0 18 | 12 18 | 1 48 | 4 53 | 13 17 | 0 19 | 0n 0 | 13 42 | 1 20 | 3 18 |
| M 9 | 23 25 | 15 44 | 4 14 | 25 14 | 2 5 | 19 1 | 1 35 | 26 23 | 3 28 | 17 50 | 0 49 | 13 45 | 1 47 | 16 49 | 0 18 | 12 18 | 1 48 | 4 53 | 13 17 | 0 15 | 0 1 | 13 43 | 1 20 | 3 18 |
| T 10 | 23 28 | 17 26 | 4 42 | 25 3 | 2 2 | 18 40 | 1 30 | 26 27 | 3 30 | 17 53 | 0 49 | 13 44 | 1 47 | 16 50 | 0 18 | 12 19 | 1 48 | 4 53 | 13 16 | 0 10 | 0 3 | 13 44 | 1 20 | 3 18 |
| W11 | 23 30 | 18 23 | 4 57 | 24 51 | 1 58 | 18 19 | 1 24 | 26 31 | 3 32 | 17 56 | 0 49 | 13 42 | 1 47 | 16 51 | 0 18 | 12 19 | 1 48 | 4 53 | 13 16 | 0 4 | 0 4 | 13 45 | 1 20 | 3 18 |
| T 12 | 23 31 | 18 30 | 4 59 | 24 37 | 1 53 | 17 57 | 1 19 | 26 35 | 3 34 | 17 59 | 0 49 | 13 40 | 1 47 | 16 52 | 0 18 | 12 20 | 1 48 | 4 53 | 13 16 | 0n 2 | 0 5 | 13 47 | 1 20 | 3 17 |
| F 13 | 23 32 | 17 44 | 4 46 | 24 21 | 1 48 | 17 35 | 1 13 | 26 39 | 3 36 | 18 2 | 0 49 | 13 38 | 1 47 | 16 53 | 0 18 | 12 20 | 1 49 | 4 53 | 13 16 | 0 8 | 0 6 | 13 48 | 1 20 | 3 17 |
| S 14 | 23 33 | 16 7 | 4 20 | 24 4 | 1 42 | 17 13 | 1 7 | 26 43 | 3 38 | 18 5 | 0 49 | 13 37 | 1 47 | 16 53 | 0 18 | 12 20 | 1 49 | 4 53 | 13 16 | 0 13 | 0 8 | 13 49 | 1 20 | 3 17 |
| S 15 | 23 33 | 13 42 | 3 41 | 23 46 | 1 34 | 16 51 | 1 1 | 26 47 | 3 40 | 18 8 | 0 49 | 13 35 | 1 47 | 16 54 | 0 18 | 12 21 | 1 49 | 4 53 | 13 15 | 0 16 | 0 9 | 13 50 | 1 20 | 3 17 |
| M16 | 23 33 | 10 35 | 2 50 | 23 27 | 1 26 | 16 29 | 0 55 | 26 51 | 3 42 | 18 11 | 0 49 | 13 33 | 1 47 | 16 55 | 0 18 | 12 21 | 1 49 | 4 53 | 13 15 | 0 19 | 0 10 | 13 52 | 1 20 | 3 16 |
| T 17 | 23 32 | 6 54 | 1 49 | 23 7 | 1 17 | 16 6 | 0 48 | 26 54 | 3 44 | 18 14 | 0 49 | 13 31 | 1 46 | 16 56 | 0 18 | 12 22 | 1 49 | 4 53 | 13 15 | 0 20 | 0 12 | 13 53 | 1 20 | 3 16 |
| W18 | 23 30 | 2 48 | 0 41 | 22 46 | 1 7 | 15 43 | 0 41 | 26 58 | 3 45 | 18 17 | 0 49 | 13 29 | 1 46 | 16 57 | 0 18 | 12 22 | 1 49 | 4 53 | 13 15 | 0 21 | 0 13 | 13 54 | 1 20 | 3 16 |
| T 19 | 23 29 | 1n32 | 0s31 | 22 24 | 0 55 | 15 20 | 0 34 | 27 1 | 3 47 | 18 20 | 0 49 | 13 27 | 1 46 | 16 57 | 0 18 | 12 23 | 1 49 | 4 53 | 13 14 | 0 21 | 0 14 | 13 55 | 1 21 | 3 16 |
| F 20 | 23 26 | 5 52 | 1 43 | 22 2 | 0 43 | 14 57 | 0 27 | 27 4 | 3 48 | 18 23 | 0 49 | 13 25 | 1 46 | 16 58 | 0 18 | 12 23 | 1 49 | 4 53 | 13 14 | 0 21 | 0 15 | 13 56 | 1 21 | 3 15 |
| S 21 | 23 24 | 9 58 | 2 50 | 21 39 | 0 29 | 14 34 | 0 20 | 27 7 | 3 49 | 18 25 | 0 49 | 13 23 | 1 46 | 16 59 | 0 18 | 12 23 | 1 49 | 4 53 | 13 14 | 0 22 | 0 17 | 13 58 | 1 21 | 3 15 |
| S 22 | 23 20 | 13 34 | 3 47 | 21 17 | 0 15 | 14 11 | 0 12 | 27 9 | 3 51 | 18 28 | 0 49 | 13 21 | 1 46 | 17 0 | 0 18 | 12 24 | 1 49 | 4 53 | 13 14 | 0 24 | 0 18 | 13 59 | 1 21 | 3 15 |
| M23 | 23 17 | 16 20 | 4 30 | 20 55 | 0n 1 | 13 48 | 0 4 | 27 12 | 3 52 | 18 31 | 0 49 | 13 19 | 1 46 | 17 1 | 0 18 | 12 24 | 1 49 | 4 53 | 13 14 | 0 27 | 0 19 | 14 0 | 1 22 | 3 15 |
| T 24 | 23 13 | 18 3 | 4 55 | 20 35 | 0 18 | 13 24 | 0n 4 | 27 14 | 3 53 | 18 34 | 0 49 | 13 17 | 1 46 | 17 1 | 0 18 | 12 25 | 1 49 | 4 53 | 13 13 | 0 31 | 0 20 | 14 1 | 1 22 | 3 15 |
| W25 | 23 8 | 18 32 | 5 0 | 20 15 | 0 35 | 13 1 | 0 12 | 27 16 | 3 54 | 18 36 | 0 49 | 13 15 | 1 46 | 17 2 | 0 18 | 12 25 | 1 49 | 4 53 | 13 13 | 0 35 | 0 22 | 14 3 | 1 22 | 3 14 |
| T 26 | 23 3 | 17 45 | 4 45 | 19 57 | 0 53 | 12 38 | 0 21 | 27 18 | 3 54 | 18 39 | 0 49 | 13 13 | 1 46 | 17 3 | 0 18 | 12 25 | 1 49 | 4 53 | 13 13 | 0 40 | 0 23 | 14 4 | 1 23 | 3 14 |
| F 27 | 22 57 | 15 50 | 4 12 | 19 40 | 1 12 | 12 14 | 0 30 | 27 20 | 3 55 | 18 41 | 0 49 | 13 11 | 1 46 | 17 3 | 0 18 | 12 26 | 1 49 | 4 53 | 13 13 | 0 44 | 0 24 | 14 5 | 1 23 | 3 14 |
| S 28 | 22 52 | 13 2 | 3 25 | 19 26 | 1 31 | 11 51 | 0 39 | 27 22 | 3 56 | 18 44 | 0 49 | 13 9 | 1 46 | 17 4 | 0 18 | 12 26 | 1 49 | 4 54 | 13 12 | 0 48 | 0 25 | 14 6 | 1 23 | 3 14 |
| S 29 | 22 45 | 9 36 | 2 27 | 19 13 | 1 49 | 11 28 | 0 48 | 27 23 | 3 56 | 18 46 | 0 49 | 13 7 | 1 45 | 17 5 | 0 18 | 12 26 | 1 49 | 4 54 | 13 12 | 0 50 | 0 27 | 14 7 | 1 24 | 3 13 |
| M30 | 22 38 | 5 48 | 1 23 | 19 3 | 2 8 | 11 5 | 0 58 | 27 24 | 3 57 | 18 49 | 0 49 | 13 4 | 1 45 | 17 6 | 0 18 | 12 27 | 1 49 | 4 54 | 13 12 | 0 51 | 0 28 | 14 9 | 1 24 | 3 13 |
| T 31 | 22s31 | 1n51 | 0s17 | 18s56 | 2n25 | 10s42 | 1n 7 | 27n26 | 3n57 | 18s51 | 0n49 | 13s 2 | 1s45 | 17s 6 | 0n18 | 12s27 | 1n49 | 4n54 | 13s11 | 0n52 | 0n29 | 14s10 | 1n25 | 3n13 |

Julian Day Number = 2137777.5, Delta T = 15m42s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'47, Lahiri = 11°52'47 Julian Calendar 1 Dec. 1140 == Greg. Calendar 8 Dec. 1140


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## JANUARY 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 7 46 | 17♉35'07 | 7♎ 4 | 23°R30 | 29♒59 | 3°R56 | 27♏32 | 0♓27 | 18♏29 | 7♏49 | 19°R13 | 27♍51 | 28♍43 | 21♏ 8 | 26♓10 | W 1 |
| T 2 | 7 11 42 | 18°36'12 | 19° 9 | 22♉21 | 0♓36 | 3♋35 | 27°43 | 0°33 | 18°31 | 7°50 | 19♉12 | 27°R51 | 28°40 | 21°15 | 26°12 | T 2 |
| F 3 | 7 15 39 | 19°37'15 | 1♏ 3 | 21° 7 | 1°11 | 3°14 | 27°53 | 0°40 | 18°33 | 7°51 | 19°12 | 27°50 | 28°37 | 21°22 | 26°14 | F 3 |
| S 4 | 7 19 36 | 20°38'19 | 12°52 | 19°51 | 1°45 | 2°54 | 28° 4 | 0°46 | 18°35 | 7°52 | 19°12 | 27°48 | 28°34 | 21°28 | 26°16 | S 4 |
| S 5 | 7 23 32 | 21°39'22 | 24°41 | 18°34 | 2°18 | 2°35 | 28°14 | 0°52 | 18°38 | 7°53 | 19°11 | 27°42 | 28°31 | 21°35 | 26°18 | S 5 |
| M 6 | 7 27 29 | 22°40'24 | 6♐36 | 17°20 | 2°49 | 2°16 | 28°24 | 0°58 | 18°40 | 7°54 | 19°11 | 27°35 | 28°28 | 21°42 | 26°20 | M 6 |
| T 7 | 7 31 25 | 23°41'26 | 18°38 | 16° 9 | 3°18 | 1°58 | 28°35 | 1° 5 | 18°42 | 7°55 | 19°10 | 27°25 | 28°24 | 21°49 | 26°22 | T 7 |
| W 8 | 7 35 22 | 24°42'26 | 0♑50 | 15° 5 | 3°46 | 1°41 | 28°45 | 1°11 | 18°44 | 7°56 | 19°10 | 27°13 | 28°21 | 21°55 | 26°24 | W 8 |
| T 9 | 7 39 18 | 25°43'26 | 13°15 | 14° 7 | 4°12 | 1°24 | 28°55 | 1°18 | 18°46 | 7°57 | 19° 9 | 27° 1 | 28°18 | 22° 2 | 26°26 | T 9 |
| F 10 | 7 43 15 | 26°44'25 | 25°53 | 13°18 | 4°37 | 1° 8 | 29° 5 | 1°24 | 18°48 | 7°57 | 19° 9 | 26°49 | 28°15 | 22° 9 | 26°28 | F 10 |
| S 11 | 7 47 11 | 27°45'23 | 8♒44 | 12°37 | 4°59 | 0°52 | 29°15 | 1°31 | 18°50 | 7°58 | 19° 9 | 26°39 | 28°12 | 22°15 | 26°30 | S 11 |
| S 12 | 7 51 8 | 28°46'20 | 21°46 | 12° 4 | 5°20 | 0°38 | 29°24 | 1°37 | 18°51 | 7°59 | 19° 8 | 26°32 | 28° 9 | 22°22 | 26°32 | S 12 |
| M13 | 7 55 5 | 29°47'15 | 5♓ 0 | 11°40 | 5°38 | 0°24 | 29°34 | 1°44 | 18°53 | 7°59 | 19° 8 | 26°27 | 28° 5 | 22°29 | 26°35 | M13 |
| T 14 | 7 59 1 | 0♒48'09 | 18°24 | 11°25 | 5°55 | 0°11 | 29°44 | 1°51 | 18°55 | 8° 0 | 19° 8 | 26°25 | 28° 2 | 22°35 | 26°37 | T 14 |
| W15 | 8 2 58 | 1°49'02 | 1♈58 | 11°D18 | 6° 9 | 29♊59 | 29°53 | 1°58 | 18°57 | 8° 1 | 19° 8 | 26°D24 | 27°59 | 22°42 | 26°39 | W15 |
| T 16 | 8 6 54 | 2°49'53 | 15°42 | 11°19 | 6°22 | 29°47 | 0♐ 2 | 2° 4 | 18°58 | 8° 1 | 19° 7 | 26°25 | 27°56 | 22°49 | 26°42 | T 16 |
| F 17 | 8 10 51 | 3°50'43 | 29°37 | 11°26 | 6°32 | 29°37 | 0°11 | 2°11 | 19° 0 | 8° 2 | 19° 7 | 26°R26 | 27°53 | 22°55 | 26°44 | F 17 |
| S 18 | 8 14 47 | 4°51'31 | 13♉43 | 11°41 | 6°39 | 29°27 | 0°20 | 2°18 | 19° 2 | 8° 2 | 19° 7 | 26°26 | 27°49 | 23° 2 | 26°47 | S 18 |
| S 19 | 8 18 44 | 5°52'17 | 27°58 | 12° 2 | 6°45 | 29°18 | 0°29 | 2°25 | 19° 3 | 8° 3 | 19° 7 | 26°24 | 27°46 | 23° 9 | 26°49 | S 19 |
| M20 | 8 22 40 | 6°53'02 | 12♊20 | 12°28 | 6°48 | 29°10 | 0°38 | 2°32 | 19° 5 | 8° 3 | 19° 7 | 26°19 | 27°43 | 23°16 | 26°52 | M20 |
| T 21 | 8 26 37 | 7°53'46 | 26°46 | 13° 0 | 6°R48 | 29° 2 | 0°47 | 2°39 | 19° 6 | 8° 4 | 19° 7 | 26°13 | 27°40 | 23°22 | 26°54 | T 21 |
| W22 | 8 30 34 | 8°54'27 | 11♋10 | 13°37 | 6°46 | 28°56 | 0°56 | 2°46 | 19° 7 | 8° 4 | 19° 6 | 26° 5 | 27°37 | 23°29 | 26°57 | W22 |
| T 23 | 8 34 30 | 9°55'08 | 25°27 | 14°18 | 6°42 | 28°50 | 1° 4 | 2°53 | 19° 9 | 8° 4 | 19° 6 | 25°58 | 27°34 | 23°36 | 26°59 | T 23 |
| F 24 | 8 38 27 | 10°55'46 | 9♌31 | 15° 4 | 6°35 | 28°45 | 1°12 | 3° 0 | 19°10 | 8° 5 | 19° 6 | 25°50 | 27°30 | 23°42 | 27° 2 | F 24 |
| S 25 | 8 42 23 | 11°56'23 | 23°17 | 15°53 | 6°25 | 28°41 | 1°20 | 3° 7 | 19°11 | 8° 5 | 19° 6 | 25°45 | 27°27 | 23°49 | 27° 5 | S 25 |
| S 26 | 8 46 20 | 12°56'59 | 6♍41 | 16°45 | 6°13 | 28°37 | 1°29 | 3°14 | 19°12 | 8° 5 | 19°D 6 | 25°41 | 27°24 | 23°56 | 27° 8 | S 26 |
| M27 | 8 50 16 | 13°57'33 | 19°44 | 17°41 | 5°58 | 28°35 | 1°36 | 3°21 | 19°13 | 8° 5 | 19° 6 | 25°D39 | 27°21 | 24° 2 | 27°11 | M27 |
| T 28 | 8 54 13 | 14°58'06 | 2♎26 | 18°40 | 5°41 | 28°33 | 1°44 | 3°28 | 19°14 | 8° 6 | 19° 6 | 25°39 | 27°18 | 24° 9 | 27°13 | T 28 |
| W29 | 8 58 9 | 15°58'37 | 14°48 | 19°41 | 5°22 | 28°32 | 1°52 | 3°36 | 19°15 | 8° 6 | 19° 6 | 25°40 | 27°15 | 24°16 | 27°16 | W29 |
| T 30 | 9 2 6 | 16°59'07 | 26°56 | 20°45 | 5° 0 | 28°D31 | 1°59 | 3°43 | 19°16 | 8° 6 | 19° 6 | 25°42 | 27°11 | 24°23 | 27°19 | T 30 |
| F 31 | 9 6 3 | 17♒59'36 | 8♏53 | 21♉51 | 4♓36 | 28♊32 | 2♐ 7 | 3♓50 | 19♏17 | 8♏ 6 | 19♉ 7 | 25♍43 | 27♍ 8 | 24♏29 | 27♓22 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s23 | 2s 4 | 0n49 | 18s51 | 2n41 | 10s20 | 1n17 | 27n26 | 3n57 | 18s54 | 0n49 | 13s 0 | 1s45 | 17s 7 | 0n18 | 12s27 | 1n50 | 4n54 | 13s11 | 0n52 | 0n31 | 14s11 | 1n25 | 3n13 |
| T 2 | 22 15 | 5 49 | 1 51 | 18 48 | 2 56 | 9 57 | 1 27 | 27 27 | 3 57 | 18 56 | 0 49 | 12 58 | 1 45 | 17 7 | 0 18 | 12 28 | 1 50 | 4 54 | 13 11 | 0 52 | 0 32 | 14 12 | 1 26 | 3 13 |
| F 3 | 22 6 | 9 17 | 2 47 | 18 47 | 3 8 | 9 35 | 1 38 | 27 28 | 3 57 | 18 59 | 0 49 | 12 56 | 1 45 | 17 8 | 0 18 | 12 28 | 1 50 | 4 54 | 13 11 | 0 52 | 0 33 | 14 14 | 1 26 | 3 12 |
| S 4 | 21 57 | 12 21 | 3 36 | 18 48 | 3 19 | 9 13 | 1 49 | 27 28 | 3 57 | 19 1 | 0 49 | 12 53 | 1 45 | 17 9 | 0 18 | 12 28 | 1 50 | 4 54 | 13 10 | 0 53 | 0 34 | 14 15 | 1 27 | 3 12 |
| S 5 | 21 48 | 14 54 | 4 15 | 18 51 | 3 26 | 8 51 | 2 0 | 27 28 | 3 57 | 19 3 | 0 49 | 12 51 | 1 45 | 17 9 | 0 18 | 12 28 | 1 50 | 4 55 | 13 10 | 0 55 | 0 36 | 14 16 | 1 27 | 3 12 |
| M 6 | 21 38 | 16 51 | 4 43 | 18 55 | 3 32 | 8 29 | 2 11 | 27 29 | 3 57 | 19 6 | 0 49 | 12 49 | 1 45 | 17 10 | 0 18 | 12 29 | 1 50 | 4 55 | 13 10 | 0 58 | 0 37 | 14 17 | 1 28 | 3 12 |
| T 7 | 21 28 | 18 5 | 5 0 | 19 1 | 3 34 | 8 8 | 2 22 | 27 29 | 3 57 | 19 8 | 0 49 | 12 46 | 1 45 | 17 10 | 0 18 | 12 29 | 1 50 | 4 55 | 13 10 | 1 2 | 0 38 | 14 18 | 1 28 | 3 11 |
| W 8 | 21 17 | 18 30 | 5 2 | 19 8 | 3 35 | 7 47 | 2 34 | 27 28 | 3 56 | 19 10 | 0 50 | 12 44 | 1 45 | 17 11 | 0 18 | 12 29 | 1 50 | 4 55 | 13 9 | 1 7 | 0 39 | 14 19 | 1 29 | 3 11 |
| T 9 | 21 6 | 18 3 | 4 51 | 19 16 | 3 33 | 7 27 | 2 45 | 27 28 | 3 56 | 19 12 | 0 50 | 12 42 | 1 45 | 17 12 | 0 18 | 12 29 | 1 50 | 4 55 | 13 9 | 1 12 | 0 41 | 14 21 | 1 30 | 3 11 |
| F 10 | 20 54 | 16 43 | 4 26 | 19 24 | 3 29 | 7 7 | 2 57 | 27 28 | 3 55 | 19 14 | 0 50 | 12 39 | 1 45 | 17 12 | 0 18 | 12 29 | 1 50 | 4 55 | 13 9 | 1 16 | 0 42 | 14 22 | 1 30 | 3 11 |
| S 11 | 20 42 | 14 31 | 3 46 | 19 34 | 3 24 | 6 47 | 3 10 | 27 27 | 3 55 | 19 16 | 0 50 | 12 37 | 1 45 | 17 13 | 0 18 | 12 30 | 1 50 | 4 56 | 13 8 | 1 20 | 0 43 | 14 23 | 1 31 | 3 11 |
| S 12 | 20 30 | 11 34 | 2 54 | 19 43 | 3 17 | 6 28 | 3 22 | 27 27 | 3 54 | 19 18 | 0 50 | 12 34 | 1 45 | 17 13 | 0 18 | 12 30 | 1 50 | 4 56 | 13 8 | 1 23 | 0 45 | 14 24 | 1 32 | 3 10 |
| M13 | 20 17 | 7 59 | 1 52 | 19 53 | 3 9 | 6 9 | 3 35 | 27 26 | 3 53 | 19 20 | 0 50 | 12 32 | 1 45 | 17 14 | 0 18 | 12 30 | 1 50 | 4 56 | 13 8 | 1 25 | 0 46 | 14 25 | 1 32 | 3 10 |
| T 14 | 20 4 | 3 57 | 0 43 | 20 4 | 3 0 | 5 51 | 3 48 | 27 25 | 3 52 | 19 22 | 0 50 | 12 29 | 1 45 | 17 14 | 0 18 | 12 30 | 1 50 | 4 56 | 13 8 | 1 26 | 0 47 | 14 27 | 1 33 | 3 10 |
| W15 | 19 51 | 0n20 | 0s30 | 20 14 | 2 50 | 5 34 | 4 0 | 27 24 | 3 51 | 19 24 | 0 50 | 12 27 | 1 45 | 17 15 | 0 18 | 12 30 | 1 50 | 4 56 | 13 7 | 1 26 | 0 48 | 14 28 | 1 34 | 3 10 |
| T 16 | 19 37 | 4 39 | 1 42 | 20 24 | 2 40 | 5 17 | 4 14 | 27 23 | 3 51 | 19 26 | 0 50 | 12 25 | 1 45 | 17 15 | 0 18 | 12 30 | 1 50 | 4 57 | 13 7 | 1 26 | 0 50 | 14 29 | 1 35 | 3 10 |
| F 17 | 19 23 | 8 45 | 2 49 | 20 34 | 2 29 | 5 2 | 4 27 | 27 22 | 3 50 | 19 28 | 0 50 | 12 22 | 1 44 | 17 15 | 0 18 | 12 30 | 1 50 | 4 57 | 13 7 | 1 25 | 0 51 | 14 30 | 1 35 | 3 9 |
| S 18 | 19 8 | 12 26 | 3 46 | 20 44 | 2 18 | 4 46 | 4 40 | 27 21 | 3 49 | 19 30 | 0 50 | 12 20 | 1 44 | 17 16 | 0 18 | 12 31 | 1 51 | 4 57 | 13 6 | 1 26 | 0 52 | 14 31 | 1 36 | 3 9 |
| S 19 | 18 53 | 15 24 | 4 31 | 20 54 | 2 7 | 4 32 | 4 53 | 27 20 | 3 48 | 19 32 | 0 50 | 12 17 | 1 44 | 17 16 | 0 18 | 12 31 | 1 51 | 4 57 | 13 6 | 1 26 | 0 53 | 14 32 | 1 37 | 3 9 |
| M20 | 18 38 | 17 27 | 4 58 | 21 2 | 1 56 | 4 18 | 5 7 | 27 19 | 3 46 | 19 34 | 0 50 | 12 15 | 1 44 | 17 17 | 0 18 | 12 31 | 1 51 | 4 58 | 13 6 | 1 28 | 0 55 | 14 34 | 1 38 | 3 9 |
| T 21 | 18 23 | 18 23 | 5 7 | 21 11 | 1 44 | 4 6 | 5 20 | 27 18 | 3 45 | 19 35 | 0 50 | 12 12 | 1 44 | 17 17 | 0 18 | 12 31 | 1 51 | 4 58 | 13 5 | 1 31 | 0 56 | 14 35 | 1 39 | 3 9 |
| W22 | 18 7 | 18 9 | 4 57 | 21 19 | 1 33 | 3 54 | 5 34 | 27 17 | 3 44 | 19 37 | 0 50 | 12 9 | 1 44 | 17 17 | 0 18 | 12 31 | 1 51 | 4 58 | 13 5 | 1 34 | 0 57 | 14 36 | 1 40 | 3 8 |
| T 23 | 17 51 | 16 45 | 4 28 | 21 25 | 1 22 | 3 43 | 5 47 | 27 15 | 3 43 | 19 39 | 0 50 | 12 7 | 1 44 | 17 18 | 0 18 | 12 31 | 1 51 | 4 58 | 13 5 | 1 37 | 0 58 | 14 37 | 1 41 | 3 8 |
| F 24 | 17 34 | 14 22 | 3 43 | 21 32 | 1 10 | 3 33 | 6 0 | 27 14 | 3 42 | 19 40 | 0 50 | 12 4 | 1 44 | 17 18 | 0 18 | 12 31 | 1 51 | 4 59 | 13 4 | 1 40 | 1 0 | 14 38 | 1 41 | 3 8 |
| S 25 | 17 17 | 11 12 | 2 46 | 21 37 | 0 59 | 3 25 | 6 13 | 27 13 | 3 40 | 19 42 | 0 50 | 12 2 | 1 44 | 17 18 | 0 18 | 12 31 | 1 51 | 4 59 | 13 4 | 1 42 | 1 1 | 14 39 | 1 42 | 3 8 |
| S 26 | 17 0 | 7 32 | 1 41 | 21 41 | 0 49 | 3 17 | 6 26 | 27 12 | 3 39 | 19 44 | 0 50 | 11 59 | 1 44 | 17 19 | 0 18 | 12 31 | 1 51 | 4 59 | 13 4 | 1 43 | 1 2 | 14 41 | 1 43 | 3 8 |
| M27 | 16 43 | 3 35 | 0 32 | 21 45 | 0 38 | 3 11 | 6 39 | 27 10 | 3 38 | 19 45 | 0 50 | 11 56 | 1 44 | 17 19 | 0 18 | 12 31 | 1 51 | 5 0 | 13 4 | 1 44 | 1 4 | 14 42 | 1 44 | 3 8 |
| T 28 | 16 25 | 0s24 | 0n37 | 21 47 | 0 28 | 3 5 | 6 51 | 27 9 | 3 36 | 19 47 | 0 50 | 11 54 | 1 44 | 17 19 | 0 18 | 12 31 | 1 51 | 5 0 | 13 3 | 1 44 | 1 5 | 14 43 | 1 45 | 3 7 |
| W29 | 16 7 | 4 17 | 1 42 | 21 48 | 0 18 | 3 1 | 7 3 | 27 7 | 3 35 | 19 48 | 0 51 | 11 51 | 1 44 | 17 20 | 0 18 | 12 31 | 1 51 | 5 0 | 13 3 | 1 44 | 1 6 | 14 44 | 1 46 | 3 7 |
| T 30 | 15 49 | 7 55 | 2 42 | 21 49 | 0 8 | 2 58 | 7 15 | 27 6 | 3 34 | 19 50 | 0 51 | 11 49 | 1 44 | 17 20 | 0 18 | 12 31 | 1 51 | 5 1 | 13 3 | 1 43 | 1 7 | 14 45 | 1 47 | 3 7 |
| F 31 | 15s30 | 11s 9 | 3n34 | 21s48 | 0s 2 | 2s57 | 7n26 | 27n 5 | 3n32 | 19s51 | 0n51 | 11s46 | 1s44 | 17s20 | 0n18 | 12s31 | 1n51 | 5n 1 | 13s 2 | 1n42 | 1n 9 | 14s46 | 1n48 | 3n 7 |

Julian Day Number = 2137808.5, Delta T = 15m42s
Ecliptic obliquity = 23°32'53, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'51, Lahiri = 11°52'51 Julian Calendar 1 Jan. 1141 == Greg. Calendar 8 Jan. 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## FEBRUARY 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 9 59 | 19♒ 0'03 | 20♏45 | 22♑59 | 4°R 9 | 28♊33 | 2♐14 | 3♓57 | 19♏18 | 8°R 6 | 19♉ 7 | 25°R44 | 27♍ 5 | 24♏36 | 27♓25 | S 1 |
| S 2 | 9 13 56 | 20° 0'29 | 2♐36 | 24°10 | 3♓41 | 28°35 | 2°21 | 4° 4 | 19°19 | 8♏ 6 | 19° 7 | 25♍43 | 27° 2 | 24°43 | 27°28 | S 2 |
| M 3 | 9 17 52 | 21° 0'54 | 14°32 | 25°22 | 3°11 | 28°37 | 2°28 | 4°12 | 19°19 | 8° 6 | 19° 7 | 25°40 | 26°59 | 24°49 | 27°31 | M 3 |
| T 4 | 9 21 49 | 22° 1'17 | 26°37 | 26°36 | 2°39 | 28°40 | 2°35 | 4°19 | 19°20 | 8° 6 | 19° 7 | 25°36 | 26°55 | 24°56 | 27°34 | T 4 |
| W 5 | 9 25 45 | 23° 1'39 | 8♑55 | 27°52 | 2° 6 | 28°44 | 2°42 | 4°26 | 19°21 | 8° 6 | 19° 7 | 25°31 | 26°52 | 25° 3 | 27°37 | W 5 |
| T 6 | 9 29 42 | 24° 1'59 | 21°28 | 29° 9 | 1°31 | 28°49 | 2°48 | 4°34 | 19°21 | 8° 5 | 19° 8 | 25°26 | 26°49 | 25° 9 | 27°40 | T 6 |
| F 7 | 9 33 38 | 25° 2'17 | 4♒18 | 0♒28 | 0°56 | 28°54 | 2°55 | 4°41 | 19°22 | 8° 5 | 19° 8 | 25°20 | 26°46 | 25°16 | 27°44 | F 7 |
| S 8 | 9 37 35 | 26° 2'34 | 17°25 | 1°48 | 0°19 | 29° 0 | 3° 1 | 4°48 | 19°22 | 8° 5 | 19° 8 | 25°16 | 26°43 | 25°23 | 27°47 | S 8 |
| S 9 | 9 41 32 | 27° 2'49 | 0♓49 | 3°10 | 29♒42 | 29° 7 | 3° 7 | 4°56 | 19°23 | 8° 5 | 19° 8 | 25°12 | 26°40 | 25°30 | 27°50 | S 9 |
| M10 | 9 45 28 | 28° 3'02 | 14°27 | 4°33 | 29° 5 | 29°14 | 3°13 | 5° 3 | 19°23 | 8° 5 | 19° 9 | 25°10 | 26°36 | 25°36 | 27°53 | M10 |
| T 11 | 9 49 25 | 29° 3'13 | 28°17 | 5°58 | 28°27 | 29°22 | 3°19 | 5°11 | 19°23 | 8° 4 | 19° 9 | 25°D10 | 26°33 | 25°43 | 27°56 | T 11 |
| W12 | 9 53 21 | 0♓ 3'22 | 12♈17 | 7°24 | 27°49 | 29°30 | 3°24 | 5°18 | 19°23 | 8° 4 | 19° 9 | 25°11 | 26°30 | 25°50 | 28° 0 | W12 |
| T 13 | 9 57 18 | 1° 3'28 | 26°23 | 8°51 | 27°12 | 29°40 | 3°30 | 5°25 | 19°24 | 8° 4 | 19°10 | 25°12 | 26°27 | 25°56 | 28° 3 | T 13 |
| F 14 | 10 1 14 | 2° 3'33 | 10♉33 | 10°19 | 26°36 | 29°49 | 3°35 | 5°33 | 19°24 | 8° 3 | 19°10 | 25°14 | 26°24 | 26° 3 | 28° 6 | F 14 |
| S 15 | 10 5 11 | 3° 3'36 | 24°45 | 11°48 | 26° 0 | 29°59 | 3°40 | 5°40 | 19°24 | 8° 3 | 19°11 | 25°15 | 26°21 | 26°10 | 28°10 | S 15 |
| S 16 | 10 9 7 | 4° 3'36 | 8♊56 | 13°19 | 25°26 | 0♋10 | 3°45 | 5°48 | 19°R24 | 8° 2 | 19°11 | 25°R15 | 26°17 | 26°17 | 28°13 | S 16 |
| M17 | 10 13 4 | 5° 3'34 | 23° 4 | 14°51 | 24°53 | 0°22 | 3°50 | 5°55 | 19°24 | 8° 2 | 19°11 | 25°14 | 26°14 | 26°23 | 28°16 | M17 |
| T 18 | 10 17 1 | 6° 3'30 | 7♋ 8 | 16°24 | 24°21 | 0°34 | 3°54 | 6° 3 | 19°24 | 8° 1 | 19°12 | 25°12 | 26°11 | 26°30 | 28°20 | T 18 |
| W19 | 10 20 57 | 7° 3'24 | 21° 5 | 17°58 | 23°51 | 0°46 | 3°59 | 6°10 | 19°23 | 8° 1 | 19°12 | 25°10 | 26° 8 | 26°37 | 28°23 | W19 |
| T 20 | 10 24 54 | 8° 3'16 | 4♌52 | 19°33 | 23°23 | 0°59 | 4° 3 | 6°17 | 19°23 | 8° 0 | 19°13 | 25° 7 | 26° 5 | 26°43 | 28°26 | T 20 |
| F 21 | 10 28 50 | 9° 3'05 | 18°27 | 21°10 | 22°57 | 1°13 | 4° 7 | 6°25 | 19°23 | 7°59 | 19°14 | 25° 5 | 26° 1 | 26°50 | 28°30 | F 21 |
| S 22 | 10 32 47 | 10° 2'52 | 1♍48 | 22°47 | 22°33 | 1°27 | 4°11 | 6°32 | 19°23 | 7°59 | 19°14 | 25° 3 | 25°58 | 26°57 | 28°33 | S 22 |
| S 23 | 10 36 43 | 11° 2'37 | 14°54 | 24°26 | 22°11 | 1°41 | 4°15 | 6°40 | 19°22 | 7°58 | 19°15 | 25° 2 | 25°55 | 27° 3 | 28°37 | S 23 |
| M24 | 10 40 40 | 12° 2'20 | 27°43 | 26° 6 | 21°52 | 1°56 | 4°19 | 6°47 | 19°22 | 7°57 | 19°15 | 25°D 2 | 25°52 | 27°10 | 28°40 | M24 |
| T 25 | 10 44 36 | 13° 2'01 | 10♎17 | 27°48 | 21°35 | 2°11 | 4°22 | 6°54 | 19°21 | 7°57 | 19°16 | 25° 3 | 25°49 | 27°17 | 28°44 | T 25 |
| W26 | 10 48 33 | 14° 1'40 | 22°36 | 29°30 | 21°21 | 2°27 | 4°25 | 7° 2 | 19°21 | 7°56 | 19°17 | 25° 3 | 25°46 | 27°24 | 28°47 | W26 |
| T 27 | 10 52 29 | 15° 1'18 | 4♏43 | 1♓14 | 21° 9 | 2°44 | 4°28 | 7° 9 | 19°20 | 7°55 | 19°17 | 25° 5 | 25°42 | 27°30 | 28°51 | T 27 |
| F 28 | 10 56 26 | 16♓ 0'53 | 16♏41 | 2♓59 | 20♒59 | 3♋ 0 | 4♐31 | 7♓17 | 19♏20 | 7♏54 | 19♉18 | 25♍ 6 | 25♍39 | 27♏37 | 28♓54 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s12 | 13s55 | 4n16 | 21s46 | 0s11 | 2s56 | 7n37 | 27n 3 | 3n31 | 19s52 | 0n51 | 11s43 | 1s44 | 17s20 | 0n18 | 12s31 | 1n51 | 5n 1 | 13s 2 | 1n42 | 1n10 | 14s47 | 1n49 | 3n 7 |
| S 2 | 14 53 | 16 5 | 4 47 | 21 42 | 0 20 | 2 57 | 7 47 | 27 2 | 3 30 | 19 54 | 0 51 | 11 41 | 1 44 | 17 20 | 0 18 | 12 31 | 1 51 | 5 2 | 13 2 | 1 43 | 1 11 | 14 49 | 1 50 | 3 7 |
| M 3 | 14 33 | 17 35 | 5 6 | 21 38 | 0 29 | 2 59 | 7 56 | 27 1 | 3 28 | 19 55 | 0 51 | 11 38 | 1 44 | 17 21 | 0 18 | 12 31 | 1 52 | 5 2 | 13 1 | 1 44 | 1 12 | 14 50 | 1 51 | 3 6 |
| T 4 | 14 14 | 18 19 | 5 12 | 21 32 | 0 37 | 3 2 | 8 5 | 26 59 | 3 27 | 19 56 | 0 51 | 11 35 | 1 44 | 17 21 | 0 18 | 12 31 | 1 52 | 5 2 | 13 1 | 1 45 | 1 14 | 14 51 | 1 52 | 3 6 |
| W 5 | 13 54 | 18 12 | 5 3 | 21 25 | 0 45 | 3 6 | 8 12 | 26 58 | 3 25 | 19 58 | 0 51 | 11 33 | 1 44 | 17 21 | 0 18 | 12 31 | 1 52 | 5 3 | 13 1 | 1 47 | 1 15 | 14 52 | 1 54 | 3 6 |
| T 6 | 13 34 | 17 13 | 4 40 | 21 17 | 0 53 | 3 12 | 8 19 | 26 56 | 3 24 | 19 59 | 0 51 | 11 30 | 1 44 | 17 21 | 0 18 | 12 30 | 1 52 | 5 3 | 13 1 | 1 50 | 1 16 | 14 53 | 1 55 | 3 6 |
| F 7 | 13 14 | 15 20 | 4 3 | 21 7 | 1 0 | 3 18 | 8 26 | 26 55 | 3 22 | 20 0 | 0 51 | 11 27 | 1 44 | 17 21 | 0 18 | 12 30 | 1 52 | 5 3 | 13 0 | 1 52 | 1 17 | 14 54 | 1 56 | 3 6 |
| S 8 | 12 54 | 12 38 | 3 12 | 20 57 | 1 7 | 3 26 | 8 31 | 26 54 | 3 21 | 20 1 | 0 51 | 11 25 | 1 44 | 17 21 | 0 18 | 12 30 | 1 52 | 5 4 | 13 0 | 1 54 | 1 19 | 14 55 | 1 57 | 3 6 |
| S 9 | 12 33 | 9 13 | 2 10 | 20 44 | 1 14 | 3 35 | 8 35 | 26 52 | 3 19 | 20 2 | 0 51 | 11 22 | 1 44 | 17 21 | 0 18 | 12 30 | 1 52 | 5 4 | 13 0 | 1 55 | 1 20 | 14 56 | 1 58 | 3 5 |
| M10 | 12 12 | 5 15 | 0 59 | 20 31 | 1 21 | 3 44 | 8 39 | 26 51 | 3 18 | 20 3 | 0 51 | 11 19 | 1 44 | 17 21 | 0 18 | 12 30 | 1 52 | 5 4 | 12 59 | 1 56 | 1 21 | 14 58 | 1 59 | 3 5 |
| T 11 | 11 51 | 0 57 | 0s17 | 20 16 | 1 27 | 3 55 | 8 41 | 26 49 | 3 16 | 20 4 | 0 51 | 11 16 | 1 44 | 17 22 | 0 18 | 12 30 | 1 52 | 5 5 | 12 59 | 1 56 | 1 23 | 14 59 | 2 0 | 3 5 |
| W12 | 11 30 | 3n27 | 1 33 | 20 0 | 1 32 | 4 6 | 8 43 | 26 48 | 3 15 | 20 5 | 0 51 | 11 14 | 1 45 | 17 22 | 0 18 | 12 30 | 1 52 | 5 5 | 12 59 | 1 55 | 1 24 | 15 0 | 2 2 | 3 5 |
| T 13 | 11 9 | 7 41 | 2 43 | 19 42 | 1 38 | 4 18 | 8 43 | 26 46 | 3 14 | 20 6 | 0 51 | 11 11 | 1 45 | 17 22 | 0 18 | 12 29 | 1 52 | 5 6 | 12 58 | 1 55 | 1 25 | 15 1 | 2 3 | 3 5 |
| F 14 | 10 47 | 11 30 | 3 44 | 19 23 | 1 43 | 4 30 | 8 43 | 26 45 | 3 12 | 20 7 | 0 52 | 11 8 | 1 45 | 17 22 | 0 18 | 12 29 | 1 52 | 5 6 | 12 58 | 1 54 | 1 26 | 15 2 | 2 4 | 3 5 |
| S 15 | 10 26 | 14 39 | 4 32 | 19 3 | 1 47 | 4 44 | 8 41 | 26 44 | 3 11 | 20 8 | 0 52 | 11 6 | 1 45 | 17 22 | 0 18 | 12 29 | 1 52 | 5 6 | 12 58 | 1 54 | 1 28 | 15 3 | 2 5 | 3 5 |
| S 16 | 10 4 | 16 54 | 5 3 | 18 41 | 1 52 | 4 57 | 8 39 | 26 42 | 3 9 | 20 9 | 0 52 | 11 3 | 1 45 | 17 22 | 0 18 | 12 29 | 1 52 | 5 7 | 12 57 | 1 54 | 1 29 | 15 4 | 2 6 | 3 5 |
| M17 | 9 42 | 18 7 | 5 15 | 18 18 | 1 56 | 5 11 | 8 35 | 26 41 | 3 8 | 20 10 | 0 52 | 11 0 | 1 45 | 17 22 | 0 18 | 12 29 | 1 52 | 5 7 | 12 57 | 1 54 | 1 30 | 15 5 | 2 8 | 3 4 |
| T 18 | 9 20 | 18 13 | 5 8 | 17 53 | 1 59 | 5 25 | 8 31 | 26 39 | 3 6 | 20 11 | 0 52 | 10 57 | 1 45 | 17 22 | 0 18 | 12 28 | 1 52 | 5 7 | 12 57 | 1 55 | 1 31 | 15 6 | 2 9 | 3 4 |
| W19 | 8 58 | 17 13 | 4 44 | 17 27 | 2 2 | 5 39 | 8 26 | 26 38 | 3 5 | 20 11 | 0 52 | 10 55 | 1 45 | 17 22 | 0 18 | 12 28 | 1 52 | 5 8 | 12 57 | 1 56 | 1 33 | 15 8 | 2 10 | 3 4 |
| T 20 | 8 35 | 15 12 | 4 3 | 17 0 | 2 5 | 5 54 | 8 21 | 26 36 | 3 3 | 20 12 | 0 52 | 10 52 | 1 45 | 17 22 | 0 18 | 12 28 | 1 53 | 5 8 | 12 56 | 1 57 | 1 34 | 15 9 | 2 11 | 3 4 |
| F 21 | 8 13 | 12 22 | 3 9 | 16 31 | 2 7 | 6 8 | 8 14 | 26 35 | 3 2 | 20 13 | 0 52 | 10 49 | 1 45 | 17 21 | 0 18 | 12 28 | 1 53 | 5 9 | 12 56 | 1 58 | 1 35 | 15 10 | 2 13 | 3 4 |
| S 22 | 7 50 | 8 56 | 2 5 | 16 1 | 2 9 | 6 22 | 8 7 | 26 33 | 3 1 | 20 14 | 0 52 | 10 47 | 1 45 | 17 21 | 0 18 | 12 27 | 1 53 | 5 9 | 12 56 | 1 58 | 1 37 | 15 11 | 2 14 | 3 4 |
| S 23 | 7 27 | 5 7 | 0 56 | 15 29 | 2 11 | 6 37 | 7 59 | 26 31 | 2 59 | 20 14 | 0 52 | 10 44 | 1 45 | 17 21 | 0 18 | 12 27 | 1 53 | 5 10 | 12 55 | 1 59 | 1 38 | 15 12 | 2 15 | 3 4 |
| M24 | 7 5 | 1 8 | 0n15 | 14 56 | 2 12 | 6 51 | 7 51 | 26 30 | 2 58 | 20 15 | 0 52 | 10 41 | 1 45 | 17 21 | 0 19 | 12 27 | 1 53 | 5 10 | 12 55 | 1 59 | 1 39 | 15 13 | 2 17 | 3 4 |
| T 25 | 6 42 | 2s49 | 1 23 | 14 22 | 2 12 | 7 4 | 7 42 | 26 28 | 2 56 | 20 15 | 0 52 | 10 38 | 1 45 | 17 21 | 0 19 | 12 27 | 1 53 | 5 10 | 12 55 | 1 59 | 1 40 | 15 14 | 2 18 | 3 4 |
| W26 | 6 19 | 6 34 | 2 27 | 13 46 | 2 12 | 7 18 | 7 33 | 26 27 | 2 55 | 20 16 | 0 52 | 10 36 | 1 45 | 17 21 | 0 19 | 12 26 | 1 53 | 5 11 | 12 55 | 1 58 | 1 42 | 15 15 | 2 19 | 3 3 |
| T 27 | 5 56 | 9 58 | 3 23 | 13 9 | 2 12 | 7 30 | 7 23 | 26 25 | 2 54 | 20 16 | 0 52 | 10 33 | 1 45 | 17 21 | 0 19 | 12 26 | 1 53 | 5 11 | 12 54 | 1 58 | 1 43 | 15 16 | 2 20 | 3 3 |
| F 28 | 5s32 | 12s55 | 4n 9 | 12s30 | 2s11 | 7s43 | 7n13 | 26n23 | 2n52 | 20s17 | 0n53 | 10s30 | 1s45 | 17s21 | 0n19 | 12s26 | 1n53 | 5n12 | 12s54 | 1n58 | 1n44 | 15s17 | 2n22 | 3n 3 |

Julian Day Number = 2137839.5, Delta T = 15m42s
Ecliptic obliquity = 23°32'53, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'55, Lahiri = 11°52'56 Julian Calendar 1 Feb. 1141 == Greg. Calendar 8 Feb. 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## MARCH 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 0 23 | 17♓ 0'27 | 28♏34 | 4♓45 | 20°R52 | 3♋17 | 4♐34 | 7♓24 | 19°R19 | 7°R53 | 19♉19 | 25♍ 6 | 25♍36 | 27♏44 | 28♓58 | S 1 |
| S 2 | 11 4 19 | 17°59'59 | 10♐27 | 6°32 | 20♒47 | 3°35 | 4°36 | 7°31 | 19♏18 | 7♏53 | 19°19 | 25° 7 | 25°33 | 27°50 | 29° 2 | S 2 |
| M 3 | 11 8 16 | 18°59'29 | 22°23 | 8°21 | 20°D45 | 3°53 | 4°39 | 7°39 | 19°17 | 7°52 | 19°20 | 25°R 7 | 25°30 | 27°57 | 29° 5 | M 3 |
| T 4 | 11 12 12 | 19°58'57 | 4♑27 | 10°11 | 20°46 | 4°11 | 4°41 | 7°46 | 19°17 | 7°51 | 19°21 | 25° 7 | 25°26 | 28° 4 | 29° 9 | T 4 |
| W 5 | 11 16 9 | 20°58'24 | 16°45 | 12° 3 | 20°48 | 4°30 | 4°43 | 7°53 | 19°16 | 7°50 | 19°22 | 25° 6 | 25°23 | 28°11 | 29°12 | W 5 |
| T 6 | 11 20 5 | 21°57'48 | 29°20 | 13°55 | 20°53 | 4°49 | 4°45 | 8° 1 | 19°15 | 7°49 | 19°22 | 25° 6 | 25°20 | 28°17 | 29°16 | T 6 |
| F 7 | 11 24 2 | 22°57'11 | 12♒14 | 15°49 | 21° 1 | 5° 9 | 4°46 | 8° 8 | 19°14 | 7°48 | 19°23 | 25° 5 | 25°17 | 28°24 | 29°19 | F 7 |
| S 8 | 11 27 58 | 23°56'32 | 25°30 | 17°44 | 21°10 | 5°28 | 4°48 | 8°15 | 19°13 | 7°47 | 19°24 | 25° 5 | 25°14 | 28°31 | 29°23 | S 8 |
| S 9 | 11 31 55 | 24°55'51 | 9♓ 9 | 19°41 | 21°22 | 5°49 | 4°49 | 8°22 | 19°12 | 7°46 | 19°25 | 25°D 5 | 25°11 | 28°37 | 29°27 | S 9 |
| M10 | 11 35 52 | 25°55'08 | 23° 8 | 21°39 | 21°36 | 6° 9 | 4°50 | 8°30 | 19°11 | 7°45 | 19°26 | 25°R 5 | 25° 7 | 28°44 | 29°30 | M10 |
| T 11 | 11 39 48 | 26°54'22 | 7♈24 | 23°37 | 21°51 | 6°30 | 4°51 | 8°37 | 19°10 | 7°43 | 19°27 | 25° 5 | 25° 4 | 28°51 | 29°34 | T 11 |
| W12 | 11 43 45 | 27°53'35 | 21°52 | 25°38 | 22° 9 | 6°51 | 4°52 | 8°44 | 19° 8 | 7°42 | 19°27 | 25° 5 | 25° 1 | 28°57 | 29°37 | W12 |
| T 13 | 11 47 41 | 28°52'46 | 6♉26 | 27°39 | 22°29 | 7°13 | 4°52 | 8°51 | 19° 7 | 7°41 | 19°28 | 25° 5 | 24°58 | 29° 4 | 29°41 | T 13 |
| F 14 | 11 51 38 | 29°51'54 | 21° 1 | 29°41 | 22°50 | 7°35 | 4°52 | 8°58 | 19° 6 | 7°40 | 19°29 | 25° 4 | 24°55 | 29°11 | 29°45 | F 14 |
| S 15 | 11 55 34 | 0♈51'00 | 5♊31 | 1♈44 | 23°14 | 7°57 | 4°R52 | 9° 5 | 19° 4 | 7°39 | 19°30 | 25° 4 | 24°52 | 29°18 | 29°48 | S 15 |
| S 16 | 11 59 31 | 1°50'03 | 19°52 | 3°48 | 23°39 | 8°19 | 4°52 | 9°12 | 19° 3 | 7°38 | 19°31 | 25° 3 | 24°48 | 29°24 | 29°52 | S 16 |
| M17 | 12 3 27 | 2°49'05 | 4♋ 0 | 5°52 | 24° 5 | 8°42 | 4°52 | 9°20 | 19° 2 | 7°36 | 19°32 | 25°D 3 | 24°45 | 29°31 | 29°55 | M17 |
| T 18 | 12 7 24 | 3°48'04 | 17°54 | 7°57 | 24°33 | 9° 5 | 4°52 | 9°27 | 19° 0 | 7°35 | 19°33 | 25° 3 | 24°42 | 29°38 | 29°59 | T 18 |
| W19 | 12 11 21 | 4°47'00 | 1♌33 | 10° 2 | 25° 3 | 9°28 | 4°51 | 9°34 | 18°59 | 7°34 | 19°34 | 25° 4 | 24°39 | 29°44 | 0♈ 3 | W19 |
| T 20 | 12 15 17 | 5°45'54 | 14°57 | 12° 6 | 25°34 | 9°52 | 4°50 | 9°40 | 18°57 | 7°32 | 19°35 | 25° 5 | 24°36 | 29°51 | 0° 6 | T 20 |
| F 21 | 12 19 14 | 6°44'46 | 28° 7 | 14°11 | 26° 7 | 10°16 | 4°49 | 9°47 | 18°55 | 7°31 | 19°36 | 25° 6 | 24°32 | 29°58 | 0°10 | F 21 |
| S 22 | 12 23 10 | 7°43'36 | 11♍ 3 | 16°15 | 26°41 | 10°40 | 4°48 | 9°54 | 18°54 | 7°30 | 19°37 | 25° 7 | 24°29 | 0♐ 5 | 0°13 | S 22 |
| S 23 | 12 27 7 | 8°42'23 | 23°46 | 18°18 | 27°16 | 11° 4 | 4°47 | 10° 1 | 18°52 | 7°28 | 19°38 | 25°R 7 | 24°26 | 0°11 | 0°17 | S 23 |
| M24 | 12 31 3 | 9°41'08 | 6♎18 | 20°19 | 27°53 | 11°29 | 4°45 | 10° 8 | 18°50 | 7°27 | 19°39 | 25° 7 | 24°23 | 0°18 | 0°21 | M24 |
| T 25 | 12 35 0 | 10°39'52 | 18°38 | 22°19 | 28°30 | 11°54 | 4°43 | 10°15 | 18°49 | 7°26 | 19°40 | 25° 6 | 24°20 | 0°25 | 0°24 | T 25 |
| W26 | 12 38 56 | 11°38'33 | 0♏49 | 24°17 | 29° 9 | 12°19 | 4°41 | 10°21 | 18°47 | 7°24 | 19°41 | 25° 4 | 24°17 | 0°31 | 0°28 | W26 |
| T 27 | 12 42 53 | 12°37'12 | 12°52 | 26°13 | 29°49 | 12°44 | 4°39 | 10°28 | 18°45 | 7°23 | 19°43 | 25° 1 | 24°13 | 0°38 | 0°31 | T 27 |
| F 28 | 12 46 49 | 13°35'50 | 24°48 | 28° 6 | 0♓31 | 13°10 | 4°37 | 10°35 | 18°43 | 7°21 | 19°44 | 24°58 | 24°10 | 0°45 | 0°35 | F 28 |
| S 29 | 12 50 46 | 14°34'26 | 6♐40 | 29°56 | 1°13 | 13°36 | 4°34 | 10°41 | 18°41 | 7°20 | 19°45 | 24°55 | 24° 7 | 0°52 | 0°38 | S 29 |
| S 30 | 12 54 43 | 15°33'00 | 18°33 | 1♉42 | 1°56 | 14° 2 | 4°32 | 10°48 | 18°39 | 7°18 | 19°46 | 24°53 | 24° 4 | 0°58 | 0°42 | S 30 |
| M31 | 12 58 39 | 16♈31'32 | 0♑28 | 3♉26 | 2♓40 | 14♋28 | 4♐29 | 10♓55 | 18♏37 | 7♏17 | 19♉47 | 24♍51 | 24♍ 1 | 1♐ 5 | 0♈45 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 9 | 15s19 | 4n44 | 11s50 | 2s10 | 7s55 | 7n 3 | 26n21 | 2n51 | 20s17 | 0n53 | 10s28 | 1s45 | 17s20 | 0n19 | 12s25 | 1n53 | 5n12 | 12s54 | 1n57 | 1n45 | 15s18 | 2n23 | 3n 3 |
| S 2 | 4 46 | 17 3 | 5 7 | 11 8 | 2 8 | 8 6 | 6 52 | 26 20 | 2 50 | 20 18 | 0 53 | 10 25 | 1 45 | 17 20 | 0 19 | 12 25 | 1 53 | 5 13 | 12 54 | 1 57 | 1 47 | 15 20 | 2 24 | 3 3 |
| M 3 | 4 23 | 18 3 | 5 17 | 10 25 | 2 6 | 8 17 | 6 42 | 26 18 | 2 48 | 20 18 | 0 53 | 10 22 | 1 46 | 17 20 | 0 19 | 12 25 | 1 53 | 5 13 | 12 53 | 1 57 | 1 48 | 15 21 | 2 26 | 3 3 |
| T 4 | 3 59 | 18 16 | 5 13 | 9 41 | 2 3 | 8 28 | 6 31 | 26 16 | 2 47 | 20 18 | 0 53 | 10 20 | 1 46 | 17 20 | 0 19 | 12 24 | 1 53 | 5 14 | 12 53 | 1 57 | 1 49 | 15 22 | 2 27 | 3 3 |
| W 5 | 3 36 | 17 37 | 4 55 | 8 55 | 2 0 | 8 37 | 6 20 | 26 14 | 2 46 | 20 19 | 0 53 | 10 17 | 1 46 | 17 19 | 0 19 | 12 24 | 1 53 | 5 14 | 12 53 | 1 57 | 1 50 | 15 23 | 2 28 | 3 3 |
| T 6 | 3 12 | 16 6 | 4 23 | 8 8 | 1 56 | 8 46 | 6 8 | 26 12 | 2 44 | 20 19 | 0 53 | 10 14 | 1 46 | 17 19 | 0 19 | 12 24 | 1 53 | 5 14 | 12 52 | 1 57 | 1 52 | 15 24 | 2 30 | 3 3 |
| F 7 | 2 49 | 13 45 | 3 36 | 7 20 | 1 52 | 8 55 | 5 57 | 26 10 | 2 43 | 20 19 | 0 53 | 10 12 | 1 46 | 17 19 | 0 19 | 12 23 | 1 53 | 5 15 | 12 52 | 1 58 | 1 53 | 15 25 | 2 31 | 3 3 |
| S 8 | 2 25 | 10 37 | 2 37 | 6 31 | 1 47 | 9 3 | 5 46 | 26 8 | 2 42 | 20 19 | 0 53 | 10 9 | 1 46 | 17 19 | 0 19 | 12 23 | 1 53 | 5 15 | 12 52 | 1 58 | 1 54 | 15 26 | 2 33 | 3 3 |
| S 9 | 2 1 | 6 50 | 1 27 | 5 40 | 1 42 | 9 10 | 5 34 | 26 5 | 2 40 | 20 19 | 0 53 | 10 6 | 1 46 | 17 18 | 0 19 | 12 22 | 1 53 | 5 16 | 12 52 | 1 58 | 1 56 | 15 27 | 2 34 | 3 2 |
| M10 | 1 38 | 2 34 | 0 11 | 4 48 | 1 36 | 9 16 | 5 23 | 26 3 | 2 39 | 20 20 | 0 53 | 10 4 | 1 46 | 17 18 | 0 19 | 12 22 | 1 53 | 5 16 | 12 51 | 1 58 | 1 57 | 15 28 | 2 35 | 3 2 |
| T 11 | 1 14 | 1n55 | 1s 8 | 3 55 | 1 30 | 9 22 | 5 12 | 26 1 | 2 38 | 20 20 | 0 53 | 10 1 | 1 46 | 17 18 | 0 19 | 12 22 | 1 53 | 5 17 | 12 51 | 1 58 | 1 58 | 15 29 | 2 37 | 3 2 |
| W12 | 0 51 | 6 20 | 2 23 | 3 1 | 1 23 | 9 27 | 5 0 | 25 59 | 2 37 | 20 20 | 0 53 | 9 58 | 1 46 | 17 17 | 0 19 | 12 21 | 1 54 | 5 17 | 12 51 | 1 58 | 1 59 | 15 30 | 2 38 | 3 2 |
| T 13 | 0 27 | 10 25 | 3 30 | 2 5 | 1 15 | 9 31 | 4 49 | 25 56 | 2 35 | 20 20 | 0 53 | 9 56 | 1 47 | 17 17 | 0 19 | 12 21 | 1 54 | 5 18 | 12 51 | 1 58 | 2 1 | 15 31 | 2 39 | 3 2 |
| F 14 | 0 3 | 13 52 | 4 23 | 1 9 | 1 7 | 9 35 | 4 38 | 25 54 | 2 34 | 20 20 | 0 53 | 9 53 | 1 47 | 17 17 | 0 19 | 12 20 | 1 54 | 5 18 | 12 50 | 1 58 | 2 2 | 15 32 | 2 41 | 3 2 |
| S 15 | 0n20 | 16 25 | 4 59 | 0 13 | 0 59 | 9 38 | 4 27 | 25 51 | 2 33 | 20 20 | 0 53 | 9 51 | 1 47 | 17 16 | 0 19 | 12 20 | 1 54 | 5 19 | 12 50 | 1 58 | 2 3 | 15 33 | 2 42 | 3 2 |
| S 16 | 0 44 | 17 55 | 5 16 | 0n45 | 0 50 | 9 40 | 4 16 | 25 48 | 2 32 | 20 20 | 0 54 | 9 48 | 1 47 | 17 16 | 0 19 | 12 20 | 1 54 | 5 19 | 12 50 | 1 58 | 2 4 | 15 34 | 2 44 | 3 2 |
| M17 | 1 8 | 18 16 | 5 13 | 1 43 | 0 41 | 9 42 | 4 5 | 25 46 | 2 30 | 20 20 | 0 54 | 9 46 | 1 47 | 17 15 | 0 19 | 12 19 | 1 54 | 5 19 | 12 50 | 1 58 | 2 6 | 15 35 | 2 45 | 3 2 |
| T 18 | 1 31 | 17 31 | 4 52 | 2 42 | 0 31 | 9 43 | 3 54 | 25 43 | 2 29 | 20 19 | 0 54 | 9 43 | 1 47 | 17 15 | 0 19 | 12 19 | 1 54 | 5 20 | 12 50 | 1 58 | 2 7 | 15 36 | 2 46 | 3 2 |
| W19 | 1 55 | 15 45 | 4 15 | 3 40 | 0 20 | 9 43 | 3 43 | 25 40 | 2 28 | 20 19 | 0 54 | 9 40 | 1 47 | 17 15 | 0 19 | 12 18 | 1 54 | 5 20 | 12 49 | 1 58 | 2 8 | 15 37 | 2 48 | 3 2 |
| T 20 | 2 18 | 13 10 | 3 25 | 4 39 | 0 10 | 9 43 | 3 33 | 25 37 | 2 27 | 20 19 | 0 54 | 9 38 | 1 47 | 17 14 | 0 19 | 12 18 | 1 54 | 5 21 | 12 49 | 1 58 | 2 9 | 15 38 | 2 49 | 3 2 |
| F 21 | 2 41 | 9 56 | 2 24 | 5 38 | 0n 1 | 9 42 | 3 22 | 25 34 | 2 26 | 20 19 | 0 54 | 9 35 | 1 47 | 17 14 | 0 19 | 12 17 | 1 54 | 5 21 | 12 49 | 1 57 | 2 11 | 15 39 | 2 51 | 3 2 |
| S 22 | 3 5 | 6 16 | 1 17 | 6 36 | 0 12 | 9 40 | 3 12 | 25 31 | 2 25 | 20 19 | 0 54 | 9 33 | 1 48 | 17 13 | 0 19 | 12 17 | 1 54 | 5 22 | 12 49 | 1 57 | 2 12 | 15 41 | 2 52 | 3 2 |
| S 23 | 3 28 | 2 22 | 0 7 | 7 34 | 0 23 | 9 37 | 3 2 | 25 28 | 2 23 | 20 18 | 0 54 | 9 30 | 1 48 | 17 13 | 0 19 | 12 16 | 1 54 | 5 22 | 12 48 | 1 57 | 2 13 | 15 42 | 2 53 | 3 2 |
| M24 | 3 51 | 1s34 | 1n 1 | 8 30 | 0 35 | 9 34 | 2 52 | 25 25 | 2 22 | 20 18 | 0 54 | 9 28 | 1 48 | 17 12 | 0 19 | 12 16 | 1 54 | 5 23 | 12 48 | 1 57 | 2 14 | 15 43 | 2 55 | 3 2 |
| T 25 | 4 14 | 5 23 | 2 6 | 9 26 | 0 46 | 9 31 | 2 42 | 25 21 | 2 21 | 20 18 | 0 54 | 9 25 | 1 48 | 17 12 | 0 19 | 12 15 | 1 54 | 5 23 | 12 48 | 1 57 | 2 16 | 15 44 | 2 56 | 3 2 |
| W26 | 4 37 | 8 56 | 3 5 | 10 20 | 0 57 | 9 26 | 2 33 | 25 18 | 2 20 | 20 17 | 0 54 | 9 23 | 1 48 | 17 11 | 0 19 | 12 15 | 1 54 | 5 24 | 12 48 | 1 58 | 2 17 | 15 45 | 2 58 | 3 2 |
| T 27 | 5 0 | 12 3 | 3 54 | 11 13 | 1 8 | 9 21 | 2 23 | 25 14 | 2 19 | 20 17 | 0 54 | 9 21 | 1 48 | 17 11 | 0 19 | 12 14 | 1 54 | 5 24 | 12 48 | 1 59 | 2 18 | 15 46 | 2 59 | 3 2 |
| F 28 | 5 23 | 14 39 | 4 32 | 12 4 | 1 19 | 9 15 | 2 14 | 25 11 | 2 18 | 20 16 | 0 54 | 9 18 | 1 48 | 17 10 | 0 19 | 12 14 | 1 54 | 5 25 | 12 47 | 2 0 | 2 20 | 15 47 | 3 0 | 3 2 |
| S 29 | 5 46 | 16 36 | 4 59 | 12 54 | 1 30 | 9 9 | 2 5 | 25 7 | 2 17 | 20 16 | 0 54 | 9 16 | 1 48 | 17 10 | 0 19 | 12 13 | 1 54 | 5 25 | 12 47 | 2 2 | 2 21 | 15 48 | 3 2 | 3 2 |
| S 30 | 6 9 | 17 51 | 5 13 | 13 41 | 1 40 | 9 2 | 1 56 | 25 3 | 2 15 | 20 15 | 0 54 | 9 13 | 1 49 | 17 9 | 0 19 | 12 13 | 1 54 | 5 26 | 12 47 | 2 3 | 2 22 | 15 49 | 3 3 | 3 2 |
| M31 | 6n32 | 18s20 | 5n13 | 14n25 | 1n49 | 8s54 | 1n47 | 24n59 | 2n14 | 20s15 | 0n54 | 9s11 | 1s49 | 17s 9 | 0n19 | 12s12 | 1n54 | 5n26 | 12s47 | 2n 3 | 2n23 | 15s50 | 3n 5 | 3n 2 |

Julian Day Number = 2137867.5, Delta T = 15m41s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°45'59, Lahiri = 11°53'00 Julian Calendar 1 March 1141 == Greg. Calendar 8 March 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## APRIL 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 2 36 | 17♈30'03 | 12♉31 | 5♉ 5 | 3♓25 | 14♋54 | 4°R26 | 11♓ 1 | 18°R35 | 7°R15 | 19♉48 | 24°D50 | 23♍57 | 1♐12 | 0♈49 | T 1 |
| W 2 | 13 6 32 | 18°28'32 | 24°46 | 6°40 | 4°11 | 15°21 | 4♐23 | 11° 7 | 18♏33 | 7♏14 | 19°49 | 24♍50 | 23°54 | 1°18 | 0°52 | W 2 |
| T 3 | 13 10 29 | 19°26'59 | 7♒18 | 8°12 | 4°58 | 15°48 | 4°19 | 11°14 | 18°31 | 7°12 | 19°51 | 24°51 | 23°51 | 1°25 | 0°56 | T 3 |
| F 4 | 13 14 25 | 20°25'25 | 20°10 | 9°39 | 5°46 | 16°15 | 4°16 | 11°20 | 18°29 | 7°11 | 19°52 | 24°52 | 23°48 | 1°32 | 0°59 | F 4 |
| S 5 | 13 18 22 | 21°23'49 | 3♓26 | 11° 1 | 6°34 | 16°42 | 4°12 | 11°27 | 18°27 | 7° 9 | 19°53 | 24°54 | 23°45 | 1°39 | 1° 3 | S 5 |
| S 6 | 13 22 18 | 22°22'11 | 17° 9 | 12°19 | 7°23 | 17°10 | 4° 8 | 11°33 | 18°25 | 7° 8 | 19°54 | 24°55 | 23°42 | 1°45 | 1° 6 | S 6 |
| M 7 | 13 26 15 | 23°20'32 | 1♈17 | 13°32 | 8°13 | 17°37 | 4° 4 | 11°39 | 18°23 | 7° 6 | 19°56 | 24°R55 | 23°38 | 1°52 | 1°10 | M 7 |
| T 8 | 13 30 12 | 24°18'51 | 15°48 | 14°41 | 9° 4 | 18° 5 | 4° 0 | 11°45 | 18°21 | 7° 5 | 19°57 | 24°54 | 23°35 | 1°59 | 1°13 | T 8 |
| W 9 | 13 34 8 | 25°17'08 | 0♉37 | 15°44 | 9°55 | 18°33 | 3°56 | 11°51 | 18°19 | 7° 3 | 19°58 | 24°51 | 23°32 | 2° 5 | 1°16 | W 9 |
| T 10 | 13 38 5 | 26°15'24 | 15°37 | 16°43 | 10°47 | 19° 1 | 3°51 | 11°57 | 18°16 | 7° 1 | 19°59 | 24°47 | 23°29 | 2°12 | 1°20 | T 10 |
| F 11 | 13 42 1 | 27°13'37 | 0♊37 | 17°36 | 11°39 | 19°30 | 3°46 | 12° 3 | 18°14 | 7° 0 | 20° 1 | 24°43 | 23°26 | 2°19 | 1°23 | F 11 |
| S 12 | 13 45 58 | 28°11'49 | 15°30 | 18°24 | 12°32 | 19°58 | 3°41 | 12° 9 | 18°12 | 6°58 | 20° 2 | 24°38 | 23°23 | 2°25 | 1°26 | S 12 |
| S 13 | 13 49 54 | 29° 9'58 | 0♋ 8 | 19° 8 | 13°26 | 20°27 | 3°36 | 12°15 | 18° 9 | 6°57 | 20° 3 | 24°34 | 23°19 | 2°32 | 1°30 | S 13 |
| M14 | 13 53 51 | 0♉ 8'06 | 14°26 | 19°46 | 14°20 | 20°56 | 3°31 | 12°21 | 18° 7 | 6°55 | 20° 4 | 24°32 | 23°16 | 2°39 | 1°33 | M14 |
| T 15 | 13 57 47 | 1° 6'12 | 28°22 | 20°18 | 15°14 | 21°25 | 3°26 | 12°27 | 18° 5 | 6°53 | 20° 6 | 24°D31 | 23°13 | 2°46 | 1°36 | T 15 |
| W16 | 14 1 44 | 2° 4'15 | 11♌55 | 20°46 | 16°10 | 21°54 | 3°21 | 12°32 | 18° 2 | 6°52 | 20° 7 | 24°31 | 23°10 | 2°52 | 1°39 | W16 |
| T 17 | 14 5 41 | 3° 2'17 | 25° 8 | 21° 8 | 17° 5 | 22°23 | 3°15 | 12°38 | 18° 0 | 6°50 | 20° 8 | 24°32 | 23° 7 | 2°59 | 1°43 | T 17 |
| F 18 | 14 9 37 | 4° 0'16 | 8♍ 2 | 21°25 | 18° 1 | 22°53 | 3° 9 | 12°44 | 17°58 | 6°49 | 20°10 | 24°34 | 23° 3 | 3° 6 | 1°46 | F 18 |
| S 19 | 14 13 34 | 4°58'14 | 20°40 | 21°36 | 18°58 | 23°22 | 3° 4 | 12°49 | 17°55 | 6°47 | 20°11 | 24°R35 | 23° 0 | 3°12 | 1°49 | S 19 |
| S 20 | 14 17 30 | 5°56'10 | 3♎ 6 | 21°43 | 19°55 | 23°52 | 2°58 | 12°55 | 17°53 | 6°45 | 20°12 | 24°34 | 22°57 | 3°19 | 1°52 | S 20 |
| M21 | 14 21 27 | 6°54'04 | 15°21 | 21°R44 | 20°52 | 24°22 | 2°52 | 13° 0 | 17°50 | 6°44 | 20°13 | 24°32 | 22°54 | 3°26 | 1°55 | M21 |
| T 22 | 14 25 23 | 7°51'57 | 27°29 | 21°41 | 21°50 | 24°52 | 2°45 | 13° 5 | 17°48 | 6°42 | 20°15 | 24°28 | 22°51 | 3°33 | 1°58 | T 22 |
| W23 | 14 29 20 | 8°49'48 | 9♏30 | 21°32 | 22°49 | 25°22 | 2°39 | 13°11 | 17°46 | 6°40 | 20°16 | 24°22 | 22°48 | 3°39 | 2° 1 | W23 |
| T 24 | 14 33 16 | 9°47'37 | 21°27 | 21°19 | 23°47 | 25°53 | 2°33 | 13°16 | 17°43 | 6°39 | 20°17 | 24°14 | 22°44 | 3°46 | 2° 4 | T 24 |
| F 25 | 14 37 13 | 10°45'25 | 3♐20 | 21° 2 | 24°46 | 26°23 | 2°26 | 13°21 | 17°41 | 6°37 | 20°19 | 24° 6 | 22°41 | 3°53 | 2° 7 | F 25 |
| S 26 | 14 41 9 | 11°43'12 | 15°13 | 20°41 | 25°46 | 26°54 | 2°20 | 13°26 | 17°38 | 6°35 | 20°20 | 23°57 | 22°38 | 4° 0 | 2°10 | S 26 |
| S 27 | 14 45 6 | 12°40'57 | 27° 5 | 20°17 | 26°45 | 27°24 | 2°13 | 13°31 | 17°36 | 6°34 | 20°22 | 23°49 | 22°35 | 4° 6 | 2°13 | S 27 |
| M28 | 14 49 3 | 13°38'41 | 9♑ 2 | 19°49 | 27°46 | 27°55 | 2° 6 | 13°36 | 17°33 | 6°32 | 20°23 | 23°42 | 22°32 | 4°13 | 2°16 | M28 |
| T 29 | 14 52 59 | 14°36'24 | 21° 5 | 19°19 | 28°46 | 28°26 | 1°59 | 13°41 | 17°31 | 6°31 | 20°24 | 23°37 | 22°29 | 4°20 | 2°19 | T 29 |
| W30 | 14 56 56 | 15♉34'06 | 3♒18 | 18♉47 | 29♓47 | 28♋57 | 1♐52 | 13♓45 | 17♏28 | 6♏29 | 20♉26 | 23♍34 | 22♍25 | 4♐26 | 2♈22 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n54 | 17s59 | 5n 0 | 15n 8 | 1n58 | 8s46 | 1n38 | 24n55 | 2n13 | 20s14 | 0n54 | 9s 9 | 1s49 | 17s 8 | 0n19 | 12s12 | 1n54 | 5n27 | 12s47 | 2n 4 | 2n25 | 15s51 | 3n 6 | 3n 2 |
| W 2 | 7 16 | 16 47 | 4 33 | 15 48 | 2 7 | 8 38 | 1 30 | 24 51 | 2 12 | 20 13 | 0 54 | 9 6 | 1 49 | 17 8 | 0 19 | 12 11 | 1 54 | 5 27 | 12 47 | 2 4 | 2 26 | 15 52 | 3 7 | 3 2 |
| T 3 | 7 39 | 14 47 | 3 53 | 16 26 | 2 15 | 8 28 | 1 21 | 24 47 | 2 11 | 20 13 | 0 54 | 9 4 | 1 49 | 17 7 | 0 19 | 12 11 | 1 54 | 5 27 | 12 46 | 2 3 | 2 27 | 15 53 | 3 9 | 3 2 |
| F 4 | 8 1 | 11 59 | 2 59 | 17 0 | 2 22 | 8 18 | 1 13 | 24 42 | 2 10 | 20 12 | 0 54 | 9 2 | 1 49 | 17 7 | 0 19 | 12 10 | 1 54 | 5 28 | 12 46 | 2 3 | 2 28 | 15 54 | 3 10 | 3 2 |
| S 5 | 8 23 | 8 30 | 1 55 | 17 33 | 2 28 | 8 8 | 1 5 | 24 38 | 2 9 | 20 11 | 0 54 | 9 0 | 1 50 | 17 6 | 0 19 | 12 10 | 1 54 | 5 28 | 12 46 | 2 2 | 2 30 | 15 55 | 3 11 | 3 2 |
| S 6 | 8 45 | 4 27 | 0 43 | 18 2 | 2 34 | 7 57 | 0 57 | 24 33 | 2 8 | 20 11 | 0 54 | 8 57 | 1 50 | 17 5 | 0 19 | 12 9 | 1 54 | 5 29 | 12 46 | 2 2 | 2 31 | 15 56 | 3 13 | 3 2 |
| M 7 | 9 6 | 0 1 | 0s35 | 18 29 | 2 38 | 7 46 | 0 50 | 24 29 | 2 7 | 20 10 | 0 54 | 8 55 | 1 50 | 17 5 | 0 19 | 12 9 | 1 54 | 5 29 | 12 46 | 2 2 | 2 32 | 15 57 | 3 14 | 3 2 |
| T 8 | 9 28 | 4n31 | 1 52 | 18 53 | 2 42 | 7 34 | 0 42 | 24 24 | 2 6 | 20 9 | 0 54 | 8 53 | 1 50 | 17 4 | 0 19 | 12 8 | 1 54 | 5 30 | 12 46 | 2 2 | 2 33 | 15 58 | 3 16 | 3 2 |
| W 9 | 9 50 | 8 53 | 3 3 | 19 15 | 2 45 | 7 21 | 0 35 | 24 19 | 2 5 | 20 8 | 0 54 | 8 51 | 1 50 | 17 4 | 0 19 | 12 8 | 1 54 | 5 30 | 12 45 | 2 3 | 2 35 | 15 59 | 3 17 | 3 2 |
| T 10 | 10 11 | 12 43 | 4 2 | 19 34 | 2 46 | 7 8 | 0 28 | 24 14 | 2 4 | 20 7 | 0 54 | 8 48 | 1 50 | 17 3 | 0 19 | 12 7 | 1 54 | 5 31 | 12 45 | 2 5 | 2 36 | 16 0 | 3 18 | 3 2 |
| F 11 | 10 32 | 15 44 | 4 45 | 19 50 | 2 47 | 6 55 | 0 21 | 24 9 | 2 3 | 20 7 | 0 55 | 8 46 | 1 51 | 17 2 | 0 19 | 12 7 | 1 54 | 5 31 | 12 45 | 2 7 | 2 37 | 16 1 | 3 20 | 3 2 |
| S 12 | 10 53 | 17 39 | 5 8 | 20 3 | 2 47 | 6 41 | 0 14 | 24 4 | 2 2 | 20 6 | 0 55 | 8 44 | 1 51 | 17 2 | 0 19 | 12 6 | 1 54 | 5 32 | 12 45 | 2 8 | 2 38 | 16 2 | 3 21 | 3 2 |
| S 13 | 11 14 | 18 23 | 5 10 | 20 14 | 2 45 | 6 26 | 0 7 | 23 59 | 2 1 | 20 5 | 0 55 | 8 42 | 1 51 | 17 1 | 0 19 | 12 6 | 1 54 | 5 32 | 12 45 | 2 10 | 2 40 | 16 3 | 3 22 | 3 2 |
| M14 | 11 34 | 17 54 | 4 53 | 20 22 | 2 43 | 6 11 | 0 0 | 23 53 | 2 0 | 20 4 | 0 55 | 8 40 | 1 51 | 17 0 | 0 19 | 12 5 | 1 54 | 5 32 | 12 45 | 2 11 | 2 41 | 16 4 | 3 24 | 3 2 |
| T 15 | 11 55 | 16 21 | 4 19 | 20 28 | 2 39 | 5 56 | 0s 6 | 23 48 | 1 59 | 20 3 | 0 55 | 8 38 | 1 51 | 17 0 | 0 19 | 12 4 | 1 54 | 5 33 | 12 45 | 2 11 | 2 42 | 16 4 | 3 25 | 3 2 |
| W16 | 12 15 | 13 54 | 3 31 | 20 31 | 2 35 | 5 40 | 0 12 | 23 42 | 1 58 | 20 2 | 0 55 | 8 36 | 1 51 | 16 59 | 0 19 | 12 4 | 1 54 | 5 33 | 12 45 | 2 11 | 2 44 | 16 5 | 3 26 | 3 2 |
| T 17 | 12 35 | 10 48 | 2 33 | 20 31 | 2 29 | 5 24 | 0 18 | 23 36 | 1 57 | 20 1 | 0 54 | 8 34 | 1 52 | 16 58 | 0 19 | 12 3 | 1 54 | 5 34 | 12 44 | 2 11 | 2 45 | 16 6 | 3 28 | 3 2 |
| F 18 | 12 55 | 7 13 | 1 29 | 20 28 | 2 22 | 5 8 | 0 24 | 23 30 | 1 56 | 20 0 | 0 54 | 8 32 | 1 52 | 16 58 | 0 19 | 12 3 | 1 54 | 5 34 | 12 44 | 2 10 | 2 46 | 16 7 | 3 29 | 3 2 |
| S 19 | 13 14 | 3 23 | 0 21 | 20 24 | 2 13 | 4 51 | 0 30 | 23 24 | 1 55 | 19 58 | 0 54 | 8 30 | 1 52 | 16 57 | 0 19 | 12 2 | 1 54 | 5 35 | 12 44 | 2 10 | 2 47 | 16 8 | 3 30 | 3 2 |
| S 20 | 13 34 | 0s32 | 0n46 | 20 16 | 2 4 | 4 33 | 0 35 | 23 18 | 1 54 | 19 57 | 0 54 | 8 28 | 1 52 | 16 56 | 0 19 | 12 2 | 1 54 | 5 35 | 12 44 | 2 10 | 2 49 | 16 9 | 3 31 | 3 2 |
| M21 | 13 53 | 4 23 | 1 50 | 20 6 | 1 54 | 4 15 | 0 41 | 23 12 | 1 53 | 19 56 | 0 54 | 8 26 | 1 52 | 16 56 | 0 19 | 12 1 | 1 54 | 5 35 | 12 44 | 2 11 | 2 50 | 16 10 | 3 33 | 3 2 |
| T 22 | 14 12 | 8 0 | 2 49 | 19 54 | 1 42 | 3 57 | 0 46 | 23 5 | 1 52 | 19 55 | 0 54 | 8 24 | 1 53 | 16 55 | 0 19 | 12 1 | 1 54 | 5 36 | 12 44 | 2 12 | 2 51 | 16 11 | 3 34 | 3 2 |
| W23 | 14 30 | 11 16 | 3 39 | 19 40 | 1 29 | 3 39 | 0 51 | 22 59 | 1 51 | 19 54 | 0 54 | 8 23 | 1 53 | 16 54 | 0 19 | 12 0 | 1 54 | 5 36 | 12 44 | 2 15 | 2 52 | 16 12 | 3 35 | 3 2 |
| T 24 | 14 49 | 14 2 | 4 19 | 19 23 | 1 16 | 3 20 | 0 56 | 22 52 | 1 50 | 19 53 | 0 54 | 8 21 | 1 53 | 16 54 | 0 19 | 12 0 | 1 54 | 5 37 | 12 44 | 2 18 | 2 54 | 16 13 | 3 36 | 3 2 |
| F 25 | 15 7 | 16 13 | 4 47 | 19 5 | 1 1 | 3 1 | 1 1 | 22 46 | 1 49 | 19 51 | 0 54 | 8 19 | 1 53 | 16 53 | 0 19 | 11 59 | 1 54 | 5 37 | 12 44 | 2 21 | 2 55 | 16 14 | 3 38 | 3 2 |
| S 26 | 15 25 | 17 42 | 5 3 | 18 44 | 0 46 | 2 42 | 1 6 | 22 39 | 1 49 | 19 50 | 0 54 | 8 17 | 1 53 | 16 52 | 0 19 | 11 59 | 1 54 | 5 38 | 12 44 | 2 25 | 2 56 | 16 15 | 3 39 | 3 2 |
| S 27 | 15 43 | 18 25 | 5 6 | 18 22 | 0 30 | 2 22 | 1 10 | 22 32 | 1 48 | 19 49 | 0 54 | 8 15 | 1 54 | 16 52 | 0 19 | 11 58 | 1 54 | 5 38 | 12 44 | 2 28 | 2 57 | 16 16 | 3 40 | 3 2 |
| M28 | 16 0 | 18 19 | 4 56 | 17 59 | 0 13 | 2 2 | 1 14 | 22 25 | 1 47 | 19 47 | 0 54 | 8 14 | 1 54 | 16 51 | 0 19 | 11 58 | 1 54 | 5 38 | 12 44 | 2 31 | 2 59 | 16 17 | 3 41 | 3 2 |
| T 29 | 16 18 | 17 24 | 4 33 | 17 35 | 0s 4 | 1 42 | 1 19 | 22 18 | 1 46 | 19 46 | 0 54 | 8 12 | 1 54 | 16 50 | 0 19 | 11 57 | 1 54 | 5 39 | 12 43 | 2 33 | 3 0 | 16 18 | 3 42 | 3 2 |
| W30 | 16n35 | 15s40 | 3n57 | 17n 9 | 0s21 | 1s21 | 1s23 | 22n10 | 1n45 | 19s45 | 0n54 | 8s10 | 1s54 | 16s50 | 0n19 | 11s57 | 1n54 | 5n39 | 12s43 | 2n34 | 3n 1 | 16s19 | 3n44 | 3n 2 |

Julian Day Number = 2137898.5, Delta T = 15m41s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'03, Lahiri = 11°53'04 Julian Calendar 1 Apr. 1141 == Greg. Calendar 8 Apr. 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## MAY 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 0 52 | 16♉31'46 | 15♒46 | 18°R14 | 0♈48 | 29♋28 | 1°R45 | 13♓50 | 17°R26 | 6°R27 | 20♉27 | 23°D33 | 22♍22 | 4♐33 | 2♈25 | T 1 |
| F 2 | 15 4 49 | 17°29'26 | 28°34 | 17♉39 | 1°49 | 29°59 | 1♐38 | 13°55 | 17♏23 | 6♏26 | 20°28 | 23♍34 | 22°19 | 4°40 | 2°27 | F 2 |
| S 3 | 15 8 45 | 18°27'05 | 11♓45 | 17° 5 | 2°51 | 0♌31 | 1°31 | 13°59 | 17°21 | 6°24 | 20°30 | 23°35 | 22°16 | 4°47 | 2°30 | S 3 |
| S 4 | 15 12 42 | 19°24'42 | 25°22 | 16°31 | 3°53 | 1° 3 | 1°24 | 14° 4 | 17°18 | 6°23 | 20°31 | 23°R35 | 22°13 | 4°53 | 2°33 | S 4 |
| M 5 | 15 16 38 | 20°22'19 | 9♈28 | 15°58 | 4°55 | 1°34 | 1°16 | 14° 8 | 17°16 | 6°21 | 20°32 | 23°34 | 22° 9 | 5° 0 | 2°36 | M 5 |
| T 6 | 15 20 35 | 21°19'54 | 24° 1 | 15°26 | 5°57 | 2° 6 | 1° 9 | 14°12 | 17°13 | 6°20 | 20°34 | 23°31 | 22° 6 | 5° 7 | 2°38 | T 6 |
| W 7 | 15 24 32 | 22°17'29 | 8♉57 | 14°56 | 7° 0 | 2°38 | 1° 1 | 14°17 | 17°11 | 6°18 | 20°35 | 23°25 | 22° 3 | 5°13 | 2°41 | W 7 |
| T 8 | 15 28 28 | 23°15'02 | 24° 9 | 14°29 | 8° 3 | 3°10 | 0°54 | 14°21 | 17° 8 | 6°16 | 20°36 | 23°18 | 22° 0 | 5°20 | 2°43 | T 8 |
| F 9 | 15 32 25 | 24°12'34 | 9♊25 | 14° 5 | 9° 6 | 3°42 | 0°46 | 14°25 | 17° 6 | 6°15 | 20°38 | 23° 9 | 21°57 | 5°27 | 2°46 | F 9 |
| S 10 | 15 36 21 | 25°10'06 | 24°36 | 13°44 | 10°10 | 4°14 | 0°39 | 14°29 | 17° 3 | 6°13 | 20°39 | 23° 0 | 21°54 | 5°34 | 2°48 | S 10 |
| S 11 | 15 40 18 | 26° 7'35 | 9♋31 | 13°27 | 11°13 | 4°47 | 0°31 | 14°33 | 17° 1 | 6°12 | 20°41 | 22°52 | 21°50 | 5°40 | 2°51 | S 11 |
| M12 | 15 44 14 | 27° 5'04 | 24° 3 | 13°13 | 12°17 | 5°19 | 0°24 | 14°37 | 16°58 | 6°10 | 20°42 | 22°46 | 21°47 | 5°47 | 2°53 | M12 |
| T 13 | 15 48 11 | 28° 2'31 | 8♌ 7 | 13° 4 | 13°21 | 5°52 | 0°16 | 14°40 | 16°56 | 6° 9 | 20°43 | 22°43 | 21°44 | 5°54 | 2°56 | T 13 |
| W14 | 15 52 7 | 28°59'57 | 21°44 | 12°59 | 14°25 | 6°24 | 0° 8 | 14°44 | 16°53 | 6° 7 | 20°45 | 22°41 | 21°41 | 6° 0 | 2°58 | W14 |
| T 15 | 15 56 4 | 29°57'22 | 4♍54 | 12°D59 | 15°30 | 6°57 | 0° 1 | 14°48 | 16°51 | 6° 6 | 20°46 | 22°D41 | 21°38 | 6° 7 | 3° 0 | T 15 |
| F 16 | 16 0 1 | 0♊54'46 | 17°43 | 13° 3 | 16°34 | 7°30 | 29♏53 | 14°51 | 16°49 | 6° 4 | 20°47 | 22°R41 | 21°34 | 6°14 | 3° 3 | F 16 |
| S 17 | 16 3 57 | 1°52'08 | 0♎12 | 13°11 | 17°39 | 8° 3 | 29°45 | 14°55 | 16°46 | 6° 3 | 20°49 | 22°41 | 21°31 | 6°21 | 3° 5 | S 17 |
| S 18 | 16 7 54 | 2°49'29 | 12°28 | 13°24 | 18°44 | 8°36 | 29°38 | 14°58 | 16°44 | 6° 2 | 20°50 | 22°39 | 21°28 | 6°27 | 3° 7 | S 18 |
| M19 | 16 11 50 | 3°46'49 | 24°34 | 13°41 | 19°49 | 9° 9 | 29°30 | 15° 1 | 16°42 | 6° 0 | 20°51 | 22°35 | 21°25 | 6°34 | 3° 9 | M19 |
| T 20 | 16 15 47 | 4°44'08 | 6♏32 | 14° 3 | 20°54 | 9°42 | 29°23 | 15° 4 | 16°39 | 5°59 | 20°53 | 22°29 | 21°22 | 6°41 | 3°11 | T 20 |
| W21 | 16 19 43 | 5°41'26 | 18°27 | 14°29 | 22° 0 | 10°16 | 29°15 | 15° 7 | 16°37 | 5°57 | 20°54 | 22°19 | 21°19 | 6°47 | 3°13 | W21 |
| T 22 | 16 23 40 | 6°38'44 | 0♐20 | 15° 0 | 23° 5 | 10°49 | 29° 7 | 15°10 | 16°35 | 5°56 | 20°55 | 22° 8 | 21°15 | 6°54 | 3°15 | T 22 |
| F 23 | 16 27 36 | 7°36'00 | 12°12 | 15°34 | 24°11 | 11°22 | 29° 0 | 15°13 | 16°32 | 5°55 | 20°57 | 21°55 | 21°12 | 7° 1 | 3°17 | F 23 |
| S 24 | 16 31 33 | 8°33'16 | 24° 5 | 16°13 | 25°17 | 11°56 | 28°52 | 15°16 | 16°30 | 5°53 | 20°58 | 21°41 | 21° 9 | 7° 8 | 3°19 | S 24 |
| S 25 | 16 35 30 | 9°30'32 | 6♑ 2 | 16°56 | 26°23 | 12°30 | 28°45 | 15°19 | 16°28 | 5°52 | 20°59 | 21°29 | 21° 6 | 7°14 | 3°21 | S 25 |
| M26 | 16 39 26 | 10°27'47 | 18° 2 | 17°43 | 27°30 | 13° 3 | 28°38 | 15°21 | 16°26 | 5°51 | 21° 0 | 21°18 | 21° 3 | 7°21 | 3°23 | M26 |
| T 27 | 16 43 23 | 11°25'01 | 0♒ 9 | 18°34 | 28°36 | 13°37 | 28°30 | 15°24 | 16°23 | 5°50 | 21° 2 | 21°10 | 21° 0 | 7°28 | 3°25 | T 27 |
| W28 | 16 47 19 | 12°22'15 | 12°26 | 19°29 | 29°43 | 14°11 | 28°23 | 15°26 | 16°21 | 5°48 | 21° 3 | 21° 4 | 20°56 | 7°34 | 3°26 | W28 |
| T 29 | 16 51 16 | 13°19'29 | 24°55 | 20°28 | 0♉49 | 14°45 | 28°16 | 15°28 | 16°19 | 5°47 | 21° 4 | 21° 1 | 20°53 | 7°41 | 3°28 | T 29 |
| F 30 | 16 55 12 | 14°16'42 | 7♓40 | 21°30 | 1°56 | 15°19 | 28° 9 | 15°31 | 16°17 | 5°46 | 21° 6 | 21° 0 | 20°50 | 7°48 | 3°30 | F 30 |
| S 31 | 16 59 9 | 15♊13'55 | 20♓47 | 22♉36 | 3♉ 3 | 15♌53 | 28♏ 2 | 15♓33 | 16♏15 | 5♏45 | 21♉ 7 | 21♍ 0 | 20♍47 | 7♐55 | 3♈31 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 16n51 | 13s11 | 3n 9 | 16n43 | 0s39 | 1s 0 | 1s27 | 22n 3 | 1n44 | 19s43 | 0n54 | 8s 9 | 1s54 | 16s49 | 0n18 | 11s56 | 1n54 | 5n40 | 12s43 | 2n34 | 3n 2 | 16s20 | 3n45 | 3n 2 | |
| F 2 | 17 8 | 9 59 | 2 10 | 16 17 | 0 56 | 0 39 | 1 30 | 21 55 | 1 43 | 19 42 | 0 54 | 8 7 | 1 55 | 16 48 | 0 18 | 11 56 | 1 54 | 5 40 | 12 43 | 2 34 | 3 4 | 16 21 | 3 46 | 3 2 | |
| S 3 | 17 24 | 6 13 | 1 3 | 15 51 | 1 13 | 0 18 | 1 34 | 21 48 | 1 42 | 19 41 | 0 54 | 8 6 | 1 55 | 16 47 | 0 18 | 11 55 | 1 54 | 5 40 | 12 43 | 2 34 | 3 5 | 16 22 | 3 47 | 3 2 | |
| S 4 | 17 40 | 2 0 | 0s10 | 15 25 | 1 30 | 0n 3 | 1 38 | 21 40 | 1 41 | 19 39 | 0 54 | 8 4 | 1 55 | 16 47 | 0 18 | 11 55 | 1 54 | 5 41 | 12 43 | 2 33 | 3 6 | 16 22 | 3 48 | 3 2 | |
| M 5 | 17 55 | 2n29 | 1 24 | 14 59 | 1 46 | 0 25 | 1 41 | 21 32 | 1 40 | 19 38 | 0 54 | 8 3 | 1 55 | 16 46 | 0 18 | 11 54 | 1 54 | 5 41 | 12 43 | 2 34 | 3 8 | 16 23 | 3 49 | 3 2 | |
| T 6 | 18 11 | 6 57 | 2 35 | 14 35 | 2 2 | 0 47 | 1 44 | 21 24 | 1 40 | 19 36 | 0 54 | 8 1 | 1 56 | 16 45 | 0 18 | 11 54 | 1 54 | 5 41 | 12 43 | 2 35 | 3 9 | 16 24 | 3 51 | 3 2 | |
| W 7 | 18 26 | 11 6 | 3 38 | 14 12 | 2 17 | 1 9 | 1 47 | 21 16 | 1 39 | 19 35 | 0 54 | 8 0 | 1 56 | 16 45 | 0 18 | 11 53 | 1 54 | 5 42 | 12 43 | 2 37 | 3 10 | 16 25 | 3 52 | 3 3 | |
| T 8 | 18 40 | 14 36 | 4 26 | 13 51 | 2 31 | 1 31 | 1 50 | 21 7 | 1 38 | 19 34 | 0 53 | 7 58 | 1 56 | 16 44 | 0 18 | 11 53 | 1 54 | 5 42 | 12 43 | 2 40 | 3 11 | 16 26 | 3 53 | 3 3 | |
| F 9 | 18 55 | 17 6 | 4 55 | 13 31 | 2 44 | 1 54 | 1 53 | 20 59 | 1 37 | 19 32 | 0 53 | 7 57 | 1 56 | 16 43 | 0 18 | 11 52 | 1 54 | 5 42 | 12 43 | 2 44 | 3 13 | 16 27 | 3 54 | 3 3 | |
| S 10 | 19 9 | 18 23 | 5 4 | 13 14 | 2 57 | 2 16 | 1 55 | 20 50 | 1 36 | 19 31 | 0 53 | 7 56 | 1 57 | 16 43 | 0 18 | 11 52 | 1 54 | 5 43 | 12 43 | 2 47 | 3 14 | 16 28 | 3 55 | 3 3 | |
| S 11 | 19 22 | 18 22 | 4 51 | 12 58 | 3 7 | 2 39 | 1 58 | 20 42 | 1 35 | 19 29 | 0 53 | 7 54 | 1 57 | 16 42 | 0 18 | 11 51 | 1 54 | 5 43 | 12 43 | 2 50 | 3 15 | 16 29 | 3 56 | 3 3 | |
| M12 | 19 36 | 17 8 | 4 20 | 12 45 | 3 17 | 3 2 | 2 0 | 20 33 | 1 34 | 19 28 | 0 53 | 7 53 | 1 57 | 16 41 | 0 18 | 11 51 | 1 54 | 5 44 | 12 43 | 2 53 | 3 16 | 16 30 | 3 57 | 3 3 | |
| T 13 | 19 49 | 14 52 | 3 34 | 12 33 | 3 26 | 3 25 | 2 3 | 20 24 | 1 34 | 19 26 | 0 53 | 7 52 | 1 57 | 16 41 | 0 18 | 11 50 | 1 54 | 5 44 | 12 43 | 2 54 | 3 18 | 16 31 | 3 58 | 3 3 | |
| W14 | 20 2 | 11 51 | 2 37 | 12 25 | 3 34 | 3 48 | 2 5 | 20 15 | 1 33 | 19 25 | 0 53 | 7 51 | 1 57 | 16 40 | 0 18 | 11 50 | 1 54 | 5 44 | 12 43 | 2 55 | 3 19 | 16 32 | 3 59 | 3 3 | |
| T 15 | 20 14 | 8 19 | 1 33 | 12 19 | 3 40 | 4 11 | 2 7 | 20 6 | 1 32 | 19 23 | 0 53 | 7 49 | 1 58 | 16 39 | 0 18 | 11 49 | 1 54 | 5 45 | 12 43 | 2 55 | 3 20 | 16 32 | 4 0 | 3 3 | |
| F 16 | 20 26 | 4 28 | 0 26 | 12 15 | 3 45 | 4 34 | 2 9 | 19 57 | 1 31 | 19 22 | 0 53 | 7 48 | 1 58 | 16 39 | 0 18 | 11 49 | 1 54 | 5 45 | 12 43 | 2 55 | 3 21 | 16 33 | 4 1 | 3 3 | |
| S 17 | 20 38 | 0 32 | 0n40 | 12 13 | 3 49 | 4 57 | 2 10 | 19 47 | 1 30 | 19 20 | 0 53 | 7 47 | 1 58 | 16 38 | 0 18 | 11 48 | 1 54 | 5 45 | 12 43 | 2 55 | 3 23 | 16 34 | 4 2 | 3 3 | |
| S 18 | 20 49 | 3s22 | 1 43 | 12 14 | 3 52 | 5 20 | 2 12 | 19 38 | 1 29 | 19 19 | 0 52 | 7 46 | 1 58 | 16 37 | 0 18 | 11 48 | 1 54 | 5 45 | 12 43 | 2 56 | 3 24 | 16 35 | 4 3 | 3 3 | |
| M19 | 21 0 | 7 4 | 2 41 | 12 18 | 3 54 | 5 44 | 2 13 | 19 28 | 1 29 | 19 17 | 0 52 | 7 45 | 1 59 | 16 37 | 0 18 | 11 47 | 1 54 | 5 46 | 12 43 | 2 57 | 3 25 | 16 36 | 4 4 | 3 3 | |
| T 20 | 21 11 | 10 27 | 3 30 | 12 23 | 3 55 | 6 7 | 2 15 | 19 19 | 1 28 | 19 16 | 0 52 | 7 44 | 1 59 | 16 36 | 0 18 | 11 47 | 1 54 | 5 46 | 12 43 | 3 0 | 3 26 | 16 37 | 4 5 | 3 4 | |
| W21 | 21 21 | 13 23 | 4 10 | 12 31 | 3 55 | 6 30 | 2 16 | 19 9 | 1 27 | 19 14 | 0 52 | 7 43 | 1 59 | 16 35 | 0 18 | 11 47 | 1 54 | 5 46 | 12 43 | 3 4 | 3 28 | 16 38 | 4 6 | 3 4 | |
| T 22 | 21 31 | 15 45 | 4 39 | 12 41 | 3 53 | 6 54 | 2 17 | 18 59 | 1 26 | 19 13 | 0 52 | 7 42 | 1 59 | 16 35 | 0 18 | 11 46 | 1 54 | 5 47 | 12 43 | 3 8 | 3 29 | 16 39 | 4 6 | 3 4 | |
| F 23 | 21 41 | 17 28 | 4 56 | 12 53 | 3 51 | 7 17 | 2 18 | 18 49 | 1 25 | 19 11 | 0 52 | 7 41 | 2 0 | 16 34 | 0 18 | 11 46 | 1 54 | 5 47 | 12 43 | 3 13 | 3 30 | 16 40 | 4 7 | 3 4 | |
| S 24 | 21 50 | 18 25 | 5 0 | 13 7 | 3 48 | 7 40 | 2 19 | 18 39 | 1 25 | 19 10 | 0 52 | 7 40 | 2 0 | 16 33 | 0 18 | 11 45 | 1 54 | 5 47 | 12 43 | 3 19 | 3 31 | 16 40 | 4 8 | 3 4 | |
| S 25 | 21 59 | 18 34 | 4 51 | 13 23 | 3 45 | 8 4 | 2 20 | 18 28 | 1 24 | 19 8 | 0 51 | 7 40 | 2 0 | 16 33 | 0 18 | 11 45 | 1 54 | 5 48 | 12 43 | 3 24 | 3 33 | 16 41 | 4 9 | 3 4 | |
| M26 | 22 7 | 17 53 | 4 29 | 13 40 | 3 40 | 8 27 | 2 20 | 18 18 | 1 23 | 19 7 | 0 51 | 7 39 | 2 0 | 16 32 | 0 18 | 11 45 | 1 54 | 5 48 | 12 43 | 3 28 | 3 34 | 16 42 | 4 10 | 3 4 | |
| T 27 | 22 15 | 16 23 | 3 55 | 13 59 | 3 35 | 8 50 | 2 21 | 18 7 | 1 22 | 19 5 | 0 51 | 7 38 | 2 1 | 16 31 | 0 18 | 11 44 | 1 54 | 5 48 | 12 43 | 3 31 | 3 35 | 16 43 | 4 11 | 3 4 | |
| W28 | 22 23 | 14 8 | 3 9 | 14 20 | 3 29 | 9 13 | 2 21 | 17 57 | 1 21 | 19 4 | 0 51 | 7 37 | 2 1 | 16 31 | 0 18 | 11 44 | 1 54 | 5 48 | 12 43 | 3 33 | 3 36 | 16 44 | 4 11 | 3 4 | |
| T 29 | 22 30 | 11 11 | 2 13 | 14 42 | 3 22 | 9 36 | 2 21 | 17 46 | 1 21 | 19 2 | 0 51 | 7 37 | 2 1 | 16 30 | 0 18 | 11 43 | 1 54 | 5 49 | 12 44 | 3 34 | 3 38 | 16 45 | 4 12 | 3 4 | |
| F 30 | 22 37 | 7 39 | 1 10 | 15 5 | 3 14 | 9 59 | 2 22 | 17 35 | 1 20 | 19 1 | 0 51 | 7 36 | 2 1 | 16 30 | 0 18 | 11 43 | 1 54 | 5 49 | 12 44 | 3 35 | 3 39 | 16 46 | 4 13 | 3 4 | |
| S 31 | 22n44 | 3s39 | 0n 1 | 15n30 | 3s 6 | 10n22 | 2s22 | 17n24 | 1n19 | 19s 0 | 0n50 | 7s35 | 2s 2 | 16s29 | 0n18 | 11s43 | 1n54 | 5n49 | 12s44 | 3n35 | 3n40 | 16s46 | 4n14 | 3n 5 | |

Julian Day Number = 2137928.5, Delta T = 15m41s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'07, Lahiri = 11°53'08 Julian Calendar 1 May 1141 == Greg. Calendar 8 May 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## JUNE 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 3 5 | 16♊11'08 | 4♈17 | 23♉45 | 4♉10 | 16♌27 | 27°R55 | 15♓35 | 16°R13 | 5°R44 | 21♉ 8 | 21°R 0 | 20♍44 | 8♐ 1 | 3♈33 | S 1 |
| M 2 | 17 7 2 | 17° 8'21 | 18°15 | 24°59 | 5°17 | 17° 2 | 27♏48 | 15°37 | 16♏11 | 5♏43 | 21° 9 | 20♍58 | 20°40 | 8° 8 | 3°34 | M 2 |
| T 3 | 17 10 59 | 18° 5'34 | 2♉39 | 26°15 | 6°25 | 17°36 | 27°41 | 15°39 | 16° 9 | 5°41 | 21°11 | 20°54 | 20°37 | 8°15 | 3°36 | T 3 |
| W 4 | 17 14 55 | 19° 2'47 | 17°28 | 27°35 | 7°32 | 18°11 | 27°34 | 15°40 | 16° 7 | 5°40 | 21°12 | 20°48 | 20°34 | 8°22 | 3°37 | W 4 |
| T 5 | 17 18 52 | 20° 0'00 | 2♊36 | 28°59 | 8°40 | 18°45 | 27°28 | 15°42 | 16° 5 | 5°39 | 21°13 | 20°39 | 20°31 | 8°28 | 3°39 | T 5 |
| F 6 | 17 22 48 | 20°57'12 | 17°53 | 0♋26 | 9°48 | 19°20 | 27°21 | 15°44 | 16° 3 | 5°38 | 21°14 | 20°28 | 20°28 | 8°35 | 3°40 | F 6 |
| S 7 | 17 26 45 | 21°54'25 | 3♋ 8 | 1°56 | 10°55 | 19°55 | 27°15 | 15°45 | 16° 1 | 5°37 | 21°15 | 20°17 | 20°25 | 8°42 | 3°41 | S 7 |
| S 8 | 17 30 41 | 22°51'37 | 18°10 | 3°30 | 12° 3 | 20°29 | 27° 9 | 15°46 | 15°59 | 5°36 | 21°17 | 20° 8 | 20°21 | 8°48 | 3°43 | S 8 |
| M 9 | 17 34 38 | 23°48'48 | 2♌50 | 5° 6 | 13°11 | 21° 4 | 27° 3 | 15°48 | 15°58 | 5°35 | 21°18 | 20° 0 | 20°18 | 8°55 | 3°44 | M 9 |
| T 10 | 17 38 35 | 24°46'00 | 17° 3 | 6°46 | 14°20 | 21°39 | 26°56 | 15°49 | 15°56 | 5°34 | 21°19 | 19°54 | 20°15 | 9° 2 | 3°45 | T 10 |
| W11 | 17 42 31 | 25°43'11 | 0♍46 | 8°30 | 15°28 | 22°14 | 26°51 | 15°50 | 15°54 | 5°33 | 21°20 | 19°52 | 20°12 | 9° 9 | 3°46 | W11 |
| T 12 | 17 46 28 | 26°40'21 | 14° 0 | 10°16 | 16°36 | 22°49 | 26°45 | 15°51 | 15°52 | 5°33 | 21°21 | 19°51 | 20° 9 | 9°15 | 3°47 | T 12 |
| F 13 | 17 50 24 | 27°37'31 | 26°50 | 12° 5 | 17°45 | 23°24 | 26°39 | 15°52 | 15°51 | 5°32 | 21°22 | 19°51 | 20° 6 | 9°22 | 3°48 | F 13 |
| S 14 | 17 54 21 | 28°34'41 | 9♎19 | 13°57 | 18°53 | 24° 0 | 26°34 | 15°52 | 15°49 | 5°31 | 21°24 | 19°50 | 20° 2 | 9°29 | 3°49 | S 14 |
| S 15 | 17 58 17 | 29°31'51 | 21°32 | 15°52 | 20° 2 | 24°35 | 26°28 | 15°53 | 15°47 | 5°30 | 21°25 | 19°49 | 19°59 | 9°35 | 3°50 | S 15 |
| M16 | 18 2 14 | 0♋29'00 | 3♏33 | 17°49 | 21°11 | 25°10 | 26°23 | 15°53 | 15°46 | 5°29 | 21°26 | 19°45 | 19°56 | 9°42 | 3°50 | M16 |
| T 17 | 18 6 10 | 1°26'09 | 15°28 | 19°49 | 22°19 | 25°46 | 26°18 | 15°54 | 15°44 | 5°29 | 21°27 | 19°38 | 19°53 | 9°49 | 3°51 | T 17 |
| W18 | 18 10 7 | 2°23'18 | 27°20 | 21°51 | 23°28 | 26°21 | 26°13 | 15°54 | 15°43 | 5°28 | 21°28 | 19°29 | 19°50 | 9°56 | 3°52 | W18 |
| T 19 | 18 14 4 | 3°20'28 | 9♐12 | 23°54 | 24°37 | 26°57 | 26° 8 | 15°54 | 15°42 | 5°27 | 21°29 | 19°18 | 19°46 | 10° 2 | 3°53 | T 19 |
| F 20 | 18 18 0 | 4°17'37 | 21° 6 | 26° 0 | 25°46 | 27°33 | 26° 3 | 15°55 | 15°40 | 5°26 | 21°30 | 19° 5 | 19°43 | 10° 9 | 3°53 | F 20 |
| S 21 | 18 21 57 | 5°14'47 | 3♑ 4 | 28° 6 | 26°56 | 28° 8 | 25°59 | 15°R55 | 15°39 | 5°26 | 21°31 | 18°52 | 19°40 | 10°16 | 3°54 | S 21 |
| S 22 | 18 25 53 | 6°11'56 | 15° 6 | 0♋14 | 28° 5 | 28°44 | 25°55 | 15°55 | 15°38 | 5°25 | 21°32 | 18°40 | 19°37 | 10°23 | 3°54 | S 22 |
| M23 | 18 29 50 | 7° 9'06 | 27°15 | 2°23 | 29°14 | 29°20 | 25°50 | 15°54 | 15°36 | 5°25 | 21°33 | 18°30 | 19°34 | 10°29 | 3°55 | M23 |
| T 24 | 18 33 46 | 8° 6'17 | 9♒32 | 4°31 | 0♊24 | 29°56 | 25°46 | 15°54 | 15°35 | 5°24 | 21°34 | 18°21 | 19°31 | 10°36 | 3°55 | T 24 |
| W25 | 18 37 43 | 9° 3'28 | 21°58 | 6°40 | 1°33 | 0♍32 | 25°42 | 15°54 | 15°34 | 5°24 | 21°35 | 18°16 | 19°27 | 10°43 | 3°55 | W25 |
| T 26 | 18 41 39 | 10° 0'39 | 4♓35 | 8°49 | 2°43 | 1° 8 | 25°39 | 15°53 | 15°33 | 5°23 | 21°36 | 18°13 | 19°24 | 10°49 | 3°56 | T 26 |
| F 27 | 18 45 36 | 10°57'51 | 17°27 | 10°58 | 3°53 | 1°44 | 25°35 | 15°53 | 15°32 | 5°23 | 21°37 | 18°D13 | 19°21 | 10°56 | 3°56 | F 27 |
| S 28 | 18 49 33 | 11°55'03 | 0♈35 | 13° 6 | 5° 2 | 2°20 | 25°32 | 15°52 | 15°31 | 5°22 | 21°38 | 18°13 | 19°18 | 11° 3 | 3°56 | S 28 |
| S 29 | 18 53 29 | 12°52'17 | 14° 3 | 15°13 | 6°12 | 2°57 | 25°29 | 15°51 | 15°30 | 5°22 | 21°39 | 18°R13 | 19°15 | 11°10 | 3°56 | S 29 |
| M30 | 18 57 26 | 13♋49'31 | 27♈53 | 17♋19 | 7♊22 | 3♍33 | 25♏26 | 15♓50 | 15♏29 | 5♏21 | 21♉40 | 18♍12 | 19♍12 | 11♐16 | 3♈56 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n50 | 0n39 | 1s10 | 15n55 | 2s58 | 10n45 | 2s22 | 17n13 | 1n18 | 18s58 | 0n50 | 7s35 | 2s 2 | 16s29 | 0n18 | 11s42 | 1n53 | 5n49 | 12s44 | 3n35 | 3n41 | 16s47 | 4n14 | 3n 5 |
| M 2 | 22 55 | 5 3 | 2 19 | 16 22 | 2 49 | 11 7 | 2 22 | 17 2 | 1 18 | 18 57 | 0 50 | 7 34 | 2 2 | 16 28 | 0 18 | 11 42 | 1 53 | 5 50 | 12 44 | 3 36 | 3 43 | 16 48 | 4 15 | 3 5 |
| T 3 | 23 1 | 9 18 | 3 21 | 16 49 | 2 39 | 11 30 | 2 21 | 16 51 | 1 17 | 18 55 | 0 50 | 7 34 | 2 3 | 16 27 | 0 18 | 11 42 | 1 53 | 5 50 | 12 44 | 3 37 | 3 44 | 16 49 | 4 16 | 3 5 |
| W 4 | 23 6 | 13 6 | 4 12 | 17 17 | 2 29 | 11 52 | 2 21 | 16 39 | 1 16 | 18 54 | 0 50 | 7 34 | 2 3 | 16 27 | 0 18 | 11 41 | 1 53 | 5 50 | 12 44 | 3 40 | 3 45 | 16 50 | 4 16 | 3 5 |
| T 5 | 23 10 | 16 6 | 4 46 | 17 46 | 2 19 | 12 14 | 2 21 | 16 28 | 1 15 | 18 53 | 0 50 | 7 33 | 2 3 | 16 26 | 0 18 | 11 41 | 1 53 | 5 50 | 12 44 | 3 43 | 3 46 | 16 51 | 4 17 | 3 5 |
| F 6 | 23 14 | 18 1 | 5 0 | 18 15 | 2 8 | 12 36 | 2 20 | 16 16 | 1 14 | 18 51 | 0 49 | 7 33 | 2 3 | 16 26 | 0 18 | 11 41 | 1 53 | 5 50 | 12 44 | 3 48 | 3 48 | 16 52 | 4 18 | 3 5 |
| S 7 | 23 18 | 18 38 | 4 53 | 18 44 | 1 57 | 12 58 | 2 19 | 16 4 | 1 14 | 18 50 | 0 49 | 7 32 | 2 4 | 16 25 | 0 18 | 11 41 | 1 53 | 5 51 | 12 44 | 3 52 | 3 49 | 16 52 | 4 18 | 3 5 |
| S 8 | 23 21 | 17 55 | 4 26 | 19 13 | 1 45 | 13 19 | 2 19 | 15 53 | 1 13 | 18 49 | 0 49 | 7 32 | 2 4 | 16 25 | 0 18 | 11 40 | 1 53 | 5 51 | 12 44 | 3 56 | 3 50 | 16 53 | 4 19 | 3 5 |
| M 9 | 23 24 | 16 2 | 3 41 | 19 43 | 1 34 | 13 41 | 2 18 | 15 41 | 1 12 | 18 48 | 0 49 | 7 32 | 2 4 | 16 24 | 0 18 | 11 40 | 1 53 | 5 51 | 12 45 | 3 59 | 3 51 | 16 54 | 4 19 | 3 5 |
| T 10 | 23 27 | 13 11 | 2 44 | 20 12 | 1 22 | 14 2 | 2 17 | 15 29 | 1 11 | 18 46 | 0 49 | 7 32 | 2 4 | 16 24 | 0 18 | 11 40 | 1 53 | 5 51 | 12 45 | 4 1 | 3 53 | 16 55 | 4 20 | 3 6 |
| W11 | 23 29 | 9 42 | 1 39 | 20 40 | 1 10 | 14 23 | 2 16 | 15 17 | 1 11 | 18 45 | 0 48 | 7 32 | 2 5 | 16 23 | 0 18 | 11 39 | 1 53 | 5 51 | 12 45 | 4 2 | 3 54 | 16 56 | 4 20 | 3 6 |
| T 12 | 23 30 | 5 51 | 0 31 | 21 8 | 0 58 | 14 43 | 2 15 | 15 4 | 1 10 | 18 44 | 0 48 | 7 31 | 2 5 | 16 23 | 0 18 | 11 39 | 1 53 | 5 51 | 12 45 | 4 2 | 3 55 | 16 57 | 4 21 | 3 6 |
| F 13 | 23 32 | 1 50 | 0n37 | 21 35 | 0 46 | 15 4 | 2 14 | 14 52 | 1 9 | 18 43 | 0 48 | 7 31 | 2 5 | 16 22 | 0 18 | 11 39 | 1 53 | 5 52 | 12 45 | 4 2 | 3 57 | 16 57 | 4 21 | 3 6 |
| S 14 | 23 32 | 2s 9 | 1 41 | 22 1 | 0 34 | 15 24 | 2 13 | 14 40 | 1 8 | 18 42 | 0 48 | 7 31 | 2 5 | 16 22 | 0 18 | 11 39 | 1 53 | 5 52 | 12 45 | 4 2 | 3 58 | 16 58 | 4 22 | 3 6 |
| S 15 | 23 33 | 5 58 | 2 39 | 22 26 | 0 22 | 15 43 | 2 11 | 14 27 | 1 8 | 18 41 | 0 48 | 7 31 | 2 6 | 16 21 | 0 18 | 11 39 | 1 53 | 5 52 | 12 45 | 4 3 | 3 59 | 16 59 | 4 22 | 3 6 |
| M16 | 23 33 | 9 29 | 3 29 | 22 49 | 0 10 | 16 3 | 2 10 | 14 14 | 1 7 | 18 40 | 0 47 | 7 31 | 2 6 | 16 21 | 0 18 | 11 38 | 1 53 | 5 52 | 12 45 | 4 5 | 4 0 | 17 0 | 4 23 | 3 6 |
| T 17 | 23 32 | 12 34 | 4 10 | 23 11 | 0n 1 | 16 22 | 2 8 | 14 2 | 1 6 | 18 39 | 0 47 | 7 31 | 2 6 | 16 21 | 0 18 | 11 38 | 1 53 | 5 52 | 12 46 | 4 7 | 4 2 | 17 1 | 4 23 | 3 6 |
| W18 | 23 32 | 15 8 | 4 39 | 23 30 | 0 13 | 16 41 | 2 7 | 13 49 | 1 5 | 18 38 | 0 47 | 7 32 | 2 7 | 16 20 | 0 18 | 11 38 | 1 53 | 5 52 | 12 46 | 4 11 | 4 3 | 17 1 | 4 24 | 3 6 |
| T 19 | 23 30 | 17 3 | 4 56 | 23 48 | 0 23 | 16 59 | 2 5 | 13 36 | 1 5 | 18 37 | 0 47 | 7 32 | 2 7 | 16 20 | 0 18 | 11 38 | 1 53 | 5 52 | 12 46 | 4 15 | 4 4 | 17 2 | 4 24 | 3 7 |
| F 20 | 23 29 | 18 15 | 5 0 | 24 3 | 0 34 | 17 17 | 2 3 | 13 23 | 1 4 | 18 36 | 0 47 | 7 32 | 2 7 | 16 19 | 0 18 | 11 38 | 1 53 | 5 53 | 12 46 | 4 20 | 4 5 | 17 3 | 4 24 | 3 7 |
| S 21 | 23 27 | 18 39 | 4 52 | 24 16 | 0 43 | 17 35 | 2 2 | 13 10 | 1 3 | 18 35 | 0 46 | 7 32 | 2 7 | 16 19 | 0 18 | 11 37 | 1 52 | 5 53 | 12 46 | 4 25 | 4 7 | 17 4 | 4 25 | 3 7 |
| S 22 | 23 24 | 18 13 | 4 30 | 24 26 | 0 53 | 17 53 | 2 0 | 12 57 | 1 3 | 18 34 | 0 46 | 7 32 | 2 8 | 16 19 | 0 18 | 11 37 | 1 52 | 5 53 | 12 46 | 4 30 | 4 8 | 17 5 | 4 25 | 3 7 |
| M23 | 23 21 | 16 57 | 3 56 | 24 33 | 1 1 | 18 10 | 1 58 | 12 43 | 1 2 | 18 34 | 0 46 | 7 33 | 2 8 | 16 18 | 0 18 | 11 37 | 1 52 | 5 53 | 12 46 | 4 34 | 4 9 | 17 5 | 4 25 | 3 7 |
| T 24 | 23 18 | 14 54 | 3 10 | 24 38 | 1 9 | 18 26 | 1 56 | 12 30 | 1 1 | 18 33 | 0 46 | 7 33 | 2 8 | 16 18 | 0 18 | 11 37 | 1 52 | 5 53 | 12 47 | 4 37 | 4 10 | 17 6 | 4 25 | 3 7 |
| W25 | 23 14 | 12 8 | 2 15 | 24 39 | 1 17 | 18 42 | 1 54 | 12 16 | 1 0 | 18 32 | 0 45 | 7 33 | 2 8 | 16 18 | 0 18 | 11 37 | 1 52 | 5 53 | 12 47 | 4 40 | 4 12 | 17 7 | 4 26 | 3 7 |
| T 26 | 23 10 | 8 45 | 1 12 | 24 38 | 1 23 | 18 58 | 1 52 | 12 3 | 1 0 | 18 32 | 0 45 | 7 34 | 2 9 | 16 17 | 0 18 | 11 37 | 1 52 | 5 53 | 12 47 | 4 41 | 4 13 | 17 8 | 4 26 | 3 7 |
| F 27 | 23 6 | 4 55 | 0 4 | 24 34 | 1 29 | 19 14 | 1 50 | 11 49 | 0 59 | 18 31 | 0 45 | 7 34 | 2 9 | 16 17 | 0 18 | 11 37 | 1 52 | 5 53 | 12 47 | 4 41 | 4 14 | 17 9 | 4 26 | 3 7 |
| S 28 | 23 1 | 0 46 | 1s 5 | 24 28 | 1 34 | 19 29 | 1 47 | 11 36 | 0 58 | 18 30 | 0 45 | 7 35 | 2 9 | 16 17 | 0 18 | 11 37 | 1 52 | 5 53 | 12 47 | 4 41 | 4 15 | 17 9 | 4 26 | 3 8 |
| S 29 | 22 55 | 3n31 | 2 13 | 24 18 | 1 38 | 19 43 | 1 45 | 11 22 | 0 57 | 18 30 | 0 45 | 7 35 | 2 9 | 16 17 | 0 17 | 11 37 | 1 52 | 5 53 | 12 47 | 4 41 | 4 17 | 17 10 | 4 26 | 3 8 |
| M30 | 22n50 | 7n44 | 3s15 | 24n 6 | 1n42 | 19n57 | 1s43 | 11n 8 | 0n57 | 18s29 | 0n44 | 7s36 | 2s10 | 16s16 | 0n17 | 11s36 | 1n52 | 5n53 | 12s48 | 4n41 | 4n18 | 17s11 | 4n26 | 3n 8 |

Julian Day Number = 2137959.5, Delta T = 15m41s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'12, Lahiri = 11°53'12 Julian Calendar 1 June 1141 == Greg. Calendar 8 June 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## JULY 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 1 22 | 14♋46'46 | 12♉ 6 | 19♋24 | 8♊32 | 4♍ 9 | 25°R23 | 15°R49 | 15°R28 | 5°R21 | 21♉41 | 18°R10 | 19♍ 8 | 11♐23 | 3°R56 | T 1 |
| W 2 | 19 5 19 | 15°44'02 | 26°41 | 21°28 | 9°42 | 4°46 | 25♏20 | 15♓48 | 15♏27 | 5♏21 | 21°42 | 18♍ 5 | 19° 5 | 11°30 | 3♈56 | W 2 |
| T 3 | 19 9 15 | 16°41'19 | 11♊32 | 23°30 | 10°53 | 5°22 | 25°18 | 15°47 | 15°26 | 5°21 | 21°42 | 17°58 | 19° 2 | 11°36 | 3°56 | T 3 |
| F 4 | 19 13 12 | 17°38'37 | 26°34 | 25°31 | 12° 3 | 5°59 | 25°15 | 15°46 | 15°26 | 5°20 | 21°43 | 17°49 | 18°59 | 11°43 | 3°56 | F 4 |
| S 5 | 19 17 8 | 18°35'55 | 11♋37 | 27°30 | 13°13 | 6°36 | 25°13 | 15°44 | 15°25 | 5°20 | 21°44 | 17°40 | 18°56 | 11°50 | 3°56 | S 5 |
| S 6 | 19 21 5 | 19°33'15 | 26°31 | 29°28 | 14°24 | 7°12 | 25°11 | 15°43 | 15°24 | 5°20 | 21°45 | 17°32 | 18°52 | 11°57 | 3°56 | S 6 |
| M 7 | 19 25 2 | 20°30'35 | 11♌ 8 | 1♌24 | 15°34 | 7°49 | 25° 9 | 15°41 | 15°24 | 5°20 | 21°46 | 17°26 | 18°49 | 12° 3 | 3°55 | M 7 |
| T 8 | 19 28 58 | 21°27'55 | 25°21 | 3°18 | 16°45 | 8°26 | 25° 8 | 15°40 | 15°23 | 5°20 | 21°46 | 17°21 | 18°46 | 12°10 | 3°55 | T 8 |
| W 9 | 19 32 55 | 22°25'16 | 9♍ 7 | 5°11 | 17°56 | 9° 3 | 25° 6 | 15°38 | 15°23 | 5°20 | 21°47 | 17°19 | 18°43 | 12°17 | 3°54 | W 9 |
| T 10 | 19 36 51 | 23°22'38 | 22°26 | 7° 2 | 19° 6 | 9°40 | 25° 5 | 15°36 | 15°22 | 5°20 | 21°48 | 17°D19 | 18°40 | 12°24 | 3°54 | T 10 |
| F 11 | 19 40 48 | 24°20'00 | 5♎19 | 8°52 | 20°17 | 10°17 | 25° 4 | 15°34 | 15°22 | 5°D19 | 21°49 | 17°20 | 18°37 | 12°30 | 3°53 | F 11 |
| S 12 | 19 44 44 | 25°17'22 | 17°51 | 10°39 | 21°28 | 10°54 | 25° 3 | 15°32 | 15°21 | 5°20 | 21°49 | 17°21 | 18°33 | 12°37 | 3°53 | S 12 |
| S 13 | 19 48 41 | 26°14'46 | 0♏ 5 | 12°26 | 22°39 | 11°31 | 25° 3 | 15°30 | 15°21 | 5°20 | 21°50 | 17°R21 | 18°30 | 12°44 | 3°52 | S 13 |
| M14 | 19 52 37 | 27°12'10 | 12° 8 | 14°10 | 23°50 | 12° 9 | 25° 2 | 15°28 | 15°21 | 5°20 | 21°51 | 17°20 | 18°27 | 12°50 | 3°52 | M14 |
| T 15 | 19 56 34 | 28° 9'35 | 24° 3 | 15°53 | 25° 1 | 12°46 | 25° 2 | 15°26 | 15°21 | 5°20 | 21°51 | 17°16 | 18°24 | 12°57 | 3°51 | T 15 |
| W16 | 20 0 31 | 29° 7'00 | 5♐55 | 17°34 | 26°12 | 13°23 | 25°D 2 | 15°23 | 15°21 | 5°20 | 21°52 | 17°11 | 18°21 | 13° 4 | 3°50 | W16 |
| T 17 | 20 4 27 | 0♌ 4'27 | 17°48 | 19°14 | 27°23 | 14° 1 | 25° 2 | 15°21 | 15°21 | 5°20 | 21°53 | 17° 4 | 18°18 | 13°11 | 3°49 | T 17 |
| F 18 | 20 8 24 | 1° 1'54 | 29°45 | 20°51 | 28°35 | 14°38 | 25° 2 | 15°18 | 15°D21 | 5°20 | 21°53 | 16°56 | 18°14 | 13°17 | 3°48 | F 18 |
| S 19 | 20 12 20 | 1°59'23 | 11♑48 | 22°28 | 29°46 | 15°16 | 25° 2 | 15°15 | 15°21 | 5°21 | 21°54 | 16°48 | 18°11 | 13°24 | 3°48 | S 19 |
| S 20 | 20 16 17 | 2°56'52 | 24° 0 | 24° 2 | 0♋57 | 15°54 | 25° 3 | 15°13 | 15°21 | 5°21 | 21°54 | 16°40 | 18° 8 | 13°31 | 3°47 | S 20 |
| M21 | 20 20 13 | 3°54'22 | 6♒21 | 25°36 | 2° 9 | 16°31 | 25° 4 | 15°10 | 15°21 | 5°21 | 21°55 | 16°33 | 18° 5 | 13°38 | 3°46 | M21 |
| T 22 | 20 24 10 | 4°51'54 | 18°53 | 27° 7 | 3°20 | 17° 9 | 25° 5 | 15° 7 | 15°21 | 5°21 | 21°55 | 16°29 | 18° 2 | 13°44 | 3°44 | T 22 |
| W23 | 20 28 6 | 5°49'27 | 1♓35 | 28°37 | 4°32 | 17°47 | 25° 6 | 15° 4 | 15°21 | 5°22 | 21°56 | 16°26 | 17°58 | 13°51 | 3°43 | W23 |
| T 24 | 20 32 3 | 6°47'01 | 14°29 | 0♍ 5 | 5°44 | 18°25 | 25° 7 | 15° 1 | 15°21 | 5°22 | 21°56 | 16°D25 | 17°55 | 13°58 | 3°42 | T 24 |
| F 25 | 20 36 0 | 7°44'36 | 27°35 | 1°32 | 6°55 | 19° 3 | 25° 9 | 14°58 | 15°22 | 5°23 | 21°57 | 16°25 | 17°52 | 14° 4 | 3°41 | F 25 |
| S 26 | 20 39 56 | 8°42'13 | 10♈55 | 2°57 | 8° 7 | 19°41 | 25°10 | 14°55 | 15°22 | 5°23 | 21°57 | 16°26 | 17°49 | 14°11 | 3°40 | S 26 |
| S 27 | 20 43 53 | 9°39'52 | 24°30 | 4°20 | 9°19 | 20°19 | 25°12 | 14°51 | 15°23 | 5°24 | 21°58 | 16°28 | 17°46 | 14°18 | 3°38 | S 27 |
| M28 | 20 47 49 | 10°37'32 | 8♉20 | 5°41 | 10°31 | 20°57 | 25°14 | 14°48 | 15°23 | 5°24 | 21°58 | 16°R28 | 17°43 | 14°25 | 3°37 | M28 |
| T 29 | 20 51 46 | 11°35'14 | 22°26 | 7° 1 | 11°43 | 21°35 | 25°17 | 14°45 | 15°24 | 5°25 | 21°58 | 16°28 | 17°39 | 14°31 | 3°36 | T 29 |
| W30 | 20 55 42 | 12°32'57 | 6♊46 | 8°19 | 12°55 | 22°13 | 25°19 | 14°41 | 15°24 | 5°25 | 21°59 | 16°26 | 17°36 | 14°38 | 3°34 | W30 |
| T 31 | 20 59 39 | 13♌30'43 | 21♊18 | 9♍35 | 14♋ 7 | 22♍52 | 25♏22 | 14♓37 | 15♏25 | 5♏26 | 21♉59 | 16♍23 | 17♍33 | 14♐45 | 3♈33 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n43 | 11n38 | 4s 6 | 23n52 | 1n45 | 20n11 | 1s40 | 10n54 | 0n56 | 18s29 | 0n44 | 7s37 | 2s10 | 16s16 | 0n17 | 11s36 | 1n52 | 5n53 | 12s48 | 4n42 | 4n19 | 17s12 | 4n27 | 3n 8 |
| W 2 | 22 37 | 14 54 | 4 43 | 23 35 | 1 47 | 20 24 | 1 38 | 10 40 | 0 55 | 18 28 | 0 44 | 7 37 | 2 10 | 16 16 | 0 17 | 11 36 | 1 52 | 5 53 | 12 48 | 4 44 | 4 20 | 17 13 | 4 27 | 3 8 |
| T 3 | 22 30 | 17 17 | 5 2 | 23 16 | 1 48 | 20 36 | 1 35 | 10 26 | 0 55 | 18 28 | 0 44 | 7 38 | 2 11 | 16 16 | 0 17 | 11 36 | 1 52 | 5 53 | 12 48 | 4 47 | 4 22 | 17 13 | 4 27 | 3 8 |
| F 4 | 22 23 | 18 30 | 5 1 | 22 55 | 1 49 | 20 48 | 1 33 | 10 12 | 0 54 | 18 28 | 0 43 | 7 39 | 2 11 | 16 15 | 0 17 | 11 36 | 1 52 | 5 54 | 12 48 | 4 50 | 4 23 | 17 14 | 4 27 | 3 8 |
| S 5 | 22 15 | 18 25 | 4 38 | 22 32 | 1 49 | 21 0 | 1 30 | 9 57 | 0 53 | 18 27 | 0 43 | 7 39 | 2 11 | 16 15 | 0 17 | 11 36 | 1 52 | 5 54 | 12 48 | 4 54 | 4 24 | 17 15 | 4 27 | 3 8 |
| S 6 | 22 7 | 17 4 | 3 57 | 22 7 | 1 48 | 21 11 | 1 28 | 9 43 | 0 52 | 18 27 | 0 43 | 7 40 | 2 11 | 16 15 | 0 17 | 11 36 | 1 52 | 5 54 | 12 49 | 4 57 | 4 25 | 17 16 | 4 27 | 3 8 |
| M 7 | 21 58 | 14 37 | 3 1 | 21 41 | 1 47 | 21 21 | 1 25 | 9 28 | 0 52 | 18 27 | 0 43 | 7 41 | 2 12 | 16 15 | 0 17 | 11 36 | 1 52 | 5 54 | 12 49 | 4 59 | 4 27 | 17 16 | 4 27 | 3 9 |
| T 8 | 21 50 | 11 20 | 1 55 | 21 13 | 1 45 | 21 31 | 1 22 | 9 14 | 0 51 | 18 27 | 0 42 | 7 42 | 2 12 | 16 15 | 0 17 | 11 36 | 1 51 | 5 54 | 12 49 | 5 1 | 4 28 | 17 17 | 4 27 | 3 9 |
| W 9 | 21 40 | 7 31 | 0 44 | 20 43 | 1 43 | 21 40 | 1 20 | 8 59 | 0 50 | 18 27 | 0 42 | 7 43 | 2 12 | 16 15 | 0 17 | 11 36 | 1 51 | 5 54 | 12 49 | 5 2 | 4 29 | 17 18 | 4 27 | 3 9 |
| T 10 | 21 31 | 3 26 | 0n27 | 20 12 | 1 40 | 21 49 | 1 17 | 8 45 | 0 50 | 18 27 | 0 42 | 7 44 | 2 12 | 16 15 | 0 17 | 11 36 | 1 51 | 5 54 | 12 49 | 5 2 | 4 30 | 17 19 | 4 27 | 3 9 |
| F 11 | 21 21 | 0s40 | 1 35 | 19 40 | 1 36 | 21 57 | 1 14 | 8 30 | 0 49 | 18 27 | 0 42 | 7 45 | 2 13 | 16 15 | 0 17 | 11 36 | 1 51 | 5 54 | 12 50 | 5 2 | 4 32 | 17 19 | 4 26 | 3 9 |
| S 12 | 21 11 | 4 37 | 2 37 | 19 7 | 1 32 | 22 5 | 1 11 | 8 15 | 0 48 | 18 27 | 0 42 | 7 46 | 2 13 | 16 14 | 0 17 | 11 37 | 1 51 | 5 53 | 12 50 | 5 1 | 4 33 | 17 20 | 4 26 | 3 9 |
| S 13 | 21 0 | 8 17 | 3 29 | 18 34 | 1 28 | 22 12 | 1 9 | 8 0 | 0 48 | 18 27 | 0 41 | 7 47 | 2 13 | 16 14 | 0 17 | 11 37 | 1 51 | 5 53 | 12 50 | 5 1 | 4 34 | 17 21 | 4 26 | 3 9 |
| M14 | 20 49 | 11 33 | 4 12 | 17 59 | 1 23 | 22 19 | 1 6 | 7 45 | 0 47 | 18 27 | 0 41 | 7 48 | 2 13 | 16 14 | 0 17 | 11 37 | 1 51 | 5 53 | 12 50 | 5 2 | 4 35 | 17 22 | 4 26 | 3 9 |
| T 15 | 20 37 | 14 18 | 4 43 | 17 23 | 1 18 | 22 24 | 1 3 | 7 30 | 0 46 | 18 27 | 0 41 | 7 49 | 2 13 | 16 14 | 0 17 | 11 37 | 1 51 | 5 53 | 12 50 | 5 3 | 4 37 | 17 22 | 4 26 | 3 9 |
| W16 | 20 26 | 16 26 | 5 2 | 16 47 | 1 12 | 22 30 | 1 0 | 7 15 | 0 45 | 18 27 | 0 41 | 7 50 | 2 14 | 16 14 | 0 17 | 11 37 | 1 51 | 5 53 | 12 51 | 5 5 | 4 38 | 17 23 | 4 26 | 3 9 |
| T 17 | 20 14 | 17 53 | 5 7 | 16 10 | 1 6 | 22 34 | 0 57 | 7 0 | 0 45 | 18 27 | 0 40 | 7 51 | 2 14 | 16 14 | 0 17 | 11 37 | 1 51 | 5 53 | 12 51 | 5 8 | 4 39 | 17 24 | 4 25 | 3 10 |
| F 18 | 20 1 | 18 33 | 5 0 | 15 33 | 1 0 | 22 38 | 0 54 | 6 45 | 0 44 | 18 28 | 0 40 | 7 53 | 2 14 | 16 14 | 0 17 | 11 37 | 1 51 | 5 53 | 12 51 | 5 11 | 4 40 | 17 25 | 4 25 | 3 10 |
| S 19 | 19 48 | 18 23 | 4 39 | 14 55 | 0 53 | 22 42 | 0 51 | 6 30 | 0 43 | 18 28 | 0 40 | 7 54 | 2 14 | 16 14 | 0 17 | 11 37 | 1 51 | 5 53 | 12 51 | 5 14 | 4 42 | 17 25 | 4 25 | 3 10 |
| S 20 | 19 35 | 17 23 | 4 5 | 14 17 | 0 46 | 22 45 | 0 48 | 6 15 | 0 43 | 18 28 | 0 40 | 7 55 | 2 15 | 16 14 | 0 17 | 11 37 | 1 51 | 5 53 | 12 52 | 5 17 | 4 43 | 17 26 | 4 25 | 3 10 |
| M21 | 19 22 | 15 33 | 3 20 | 13 39 | 0 39 | 22 47 | 0 45 | 5 59 | 0 42 | 18 29 | 0 39 | 7 56 | 2 15 | 16 14 | 0 17 | 11 38 | 1 51 | 5 53 | 12 52 | 5 20 | 4 44 | 17 27 | 4 24 | 3 10 |
| T 22 | 19 8 | 12 57 | 2 24 | 13 1 | 0 31 | 22 48 | 0 42 | 5 44 | 0 41 | 18 29 | 0 39 | 7 58 | 2 15 | 16 15 | 0 17 | 11 38 | 1 51 | 5 53 | 12 52 | 5 22 | 4 45 | 17 27 | 4 24 | 3 10 |
| W23 | 18 54 | 9 43 | 1 20 | 12 22 | 0 23 | 22 49 | 0 39 | 5 28 | 0 41 | 18 30 | 0 39 | 7 59 | 2 15 | 16 15 | 0 17 | 11 38 | 1 51 | 5 53 | 12 52 | 5 23 | 4 46 | 17 28 | 4 23 | 3 10 |
| T 24 | 18 40 | 5 59 | 0 10 | 11 43 | 0 15 | 22 49 | 0 36 | 5 13 | 0 40 | 18 30 | 0 39 | 8 1 | 2 15 | 16 15 | 0 17 | 11 38 | 1 50 | 5 53 | 12 52 | 5 23 | 4 48 | 17 29 | 4 23 | 3 10 |
| F 25 | 18 25 | 1 53 | 1s 0 | 11 5 | 0 6 | 22 49 | 0 33 | 4 57 | 0 39 | 18 31 | 0 39 | 8 2 | 2 16 | 16 15 | 0 17 | 11 38 | 1 50 | 5 53 | 12 53 | 5 23 | 4 49 | 17 30 | 4 23 | 3 10 |
| S 26 | 18 10 | 2n21 | 2 9 | 10 26 | 0s 2 | 22 48 | 0 30 | 4 42 | 0 39 | 18 32 | 0 38 | 8 3 | 2 16 | 16 15 | 0 17 | 11 39 | 1 50 | 5 52 | 12 53 | 5 23 | 4 50 | 17 30 | 4 22 | 3 10 |
| S 27 | 17 55 | 6 33 | 3 12 | 9 48 | 0 11 | 22 46 | 0 27 | 4 26 | 0 38 | 18 32 | 0 38 | 8 5 | 2 16 | 16 15 | 0 17 | 11 39 | 1 50 | 5 52 | 12 53 | 5 22 | 4 51 | 17 31 | 4 22 | 3 10 |
| M28 | 17 39 | 10 28 | 4 6 | 9 9 | 0 20 | 22 44 | 0 24 | 4 10 | 0 37 | 18 33 | 0 38 | 8 6 | 2 16 | 16 15 | 0 17 | 11 39 | 1 50 | 5 52 | 12 53 | 5 22 | 4 53 | 17 32 | 4 21 | 3 11 |
| T 29 | 17 23 | 13 52 | 4 45 | 8 31 | 0 29 | 22 41 | 0 21 | 3 55 | 0 36 | 18 34 | 0 38 | 8 8 | 2 17 | 16 15 | 0 17 | 11 39 | 1 50 | 5 52 | 12 54 | 5 22 | 4 54 | 17 32 | 4 21 | 3 11 |
| W30 | 17 7 | 16 29 | 5 7 | 7 54 | 0 38 | 22 37 | 0 18 | 3 39 | 0 36 | 18 34 | 0 37 | 8 9 | 2 17 | 16 16 | 0 17 | 11 40 | 1 50 | 5 52 | 12 54 | 5 23 | 4 55 | 17 33 | 4 20 | 3 11 |
| T 31 | 16n51 | 18n 6 | 5s11 | 7n16 | 0s48 | 22n33 | 0s15 | 3n23 | 0n35 | 18s35 | 0n37 | 8s11 | 2s17 | 16s16 | 0n17 | 11s40 | 1n50 | 5n52 | 12s54 | 5n24 | 4n56 | 17s34 | 4n20 | 3n11 |

Julian Day Number = 2137989.5, Delta T = 15m40s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'16, Lahiri = 11°53'16 Julian Calendar 1 July 1141 == Greg. Calendar 8 July 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## AUGUST 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 3 35 | 14♌28'30 | 5♋56 | 10♍49 | 15♋20 | 23♍30 | 25♏24 | 14°R34 | 15♏25 | 5♏27 | 22♉ 0 | 16°R19 | 17♍30 | 14♐51 | 3°R31 | F 1 |
| S 2 | 21 7 32 | 15°26'18 | 20°35 | 12° 1 | 16°32 | 24° 9 | 25°27 | 14♓30 | 15°26 | 5°27 | 22° 0 | 16♍14 | 17°27 | 14°58 | 3♈29 | S 2 |
| S 3 | 21 11 29 | 16°24'08 | 5♌ 8 | 13°12 | 17°44 | 24°47 | 25°31 | 14°26 | 15°27 | 5°28 | 22° 0 | 16°10 | 17°24 | 15° 5 | 3°28 | S 3 |
| M 4 | 21 15 25 | 17°22'00 | 19°28 | 14°19 | 18°57 | 25°26 | 25°34 | 14°23 | 15°28 | 5°29 | 22° 0 | 16° 7 | 17°20 | 15°12 | 3°26 | M 4 |
| T 5 | 21 19 22 | 18°19'53 | 3♍29 | 15°25 | 20° 9 | 26° 4 | 25°37 | 14°19 | 15°29 | 5°30 | 22° 1 | 16° 5 | 17°17 | 15°18 | 3°24 | T 5 |
| W 6 | 21 23 18 | 19°17'48 | 17° 9 | 16°29 | 21°22 | 26°43 | 25°41 | 14°15 | 15°30 | 5°30 | 22° 1 | 16°D 4 | 17°14 | 15°25 | 3°23 | W 6 |
| T 7 | 21 27 15 | 20°15'44 | 0♎26 | 17°30 | 22°34 | 27°22 | 25°45 | 14°11 | 15°31 | 5°31 | 22° 1 | 16° 5 | 17°11 | 15°32 | 3°21 | T 7 |
| F 8 | 21 31 11 | 21°13'42 | 13°20 | 18°28 | 23°47 | 28° 1 | 25°49 | 14° 7 | 15°32 | 5°32 | 22° 1 | 16° 6 | 17° 8 | 15°39 | 3°19 | F 8 |
| S 9 | 21 35 8 | 22°11'40 | 25°54 | 19°24 | 25° 0 | 28°40 | 25°53 | 14° 3 | 15°33 | 5°33 | 22° 1 | 16° 8 | 17° 4 | 15°45 | 3°17 | S 9 |
| S 10 | 21 39 4 | 23° 9'41 | 8♏11 | 20°16 | 26°12 | 29°18 | 25°57 | 13°58 | 15°34 | 5°34 | 22° 1 | 16° 9 | 17° 1 | 15°52 | 3°15 | S 10 |
| M11 | 21 43 1 | 24° 7'42 | 20°15 | 21° 6 | 27°25 | 29°58 | 26° 2 | 13°54 | 15°35 | 5°35 | 22° 2 | 16°R10 | 16°58 | 15°59 | 3°13 | M11 |
| T 12 | 21 46 58 | 25° 5'46 | 2♐12 | 21°52 | 28°38 | 0♎37 | 26° 7 | 13°50 | 15°36 | 5°36 | 22° 2 | 16°10 | 16°55 | 16° 5 | 3°11 | T 12 |
| W13 | 21 50 54 | 26° 3'50 | 14° 5 | 22°35 | 29°51 | 1°16 | 26°11 | 13°46 | 15°38 | 5°37 | 22° 2 | 16° 9 | 16°52 | 16°12 | 3° 9 | W13 |
| T 14 | 21 54 51 | 27° 1'56 | 25°59 | 23°14 | 1♌ 4 | 1°55 | 26°16 | 13°41 | 15°39 | 5°38 | 22° 2 | 16° 7 | 16°49 | 16°19 | 3° 7 | T 14 |
| F 15 | 21 58 47 | 28° 0'04 | 7♑59 | 23°49 | 2°17 | 2°34 | 26°22 | 13°37 | 15°40 | 5°39 | 22° 2 | 16° 4 | 16°45 | 16°26 | 3° 5 | F 15 |
| S 16 | 22 2 44 | 28°58'13 | 20° 8 | 24°20 | 3°30 | 3°14 | 26°27 | 13°33 | 15°42 | 5°40 | 22°R 2 | 16° 2 | 16°42 | 16°32 | 3° 3 | S 16 |
| S 17 | 22 6 40 | 29°56'24 | 2♒27 | 24°46 | 4°43 | 3°53 | 26°32 | 13°28 | 15°43 | 5°41 | 22° 2 | 15°59 | 16°39 | 16°39 | 3° 1 | S 17 |
| M18 | 22 10 37 | 0♍54'36 | 15° 1 | 25° 8 | 5°56 | 4°32 | 26°38 | 13°24 | 15°45 | 5°42 | 22° 2 | 15°57 | 16°36 | 16°46 | 2°58 | M18 |
| T 19 | 22 14 33 | 1°52'50 | 27°48 | 25°24 | 7°10 | 5°12 | 26°44 | 13°19 | 15°46 | 5°44 | 22° 2 | 15°56 | 16°33 | 16°53 | 2°56 | T 19 |
| W20 | 22 18 30 | 2°51'06 | 10♓51 | 25°35 | 8°23 | 5°51 | 26°50 | 13°15 | 15°48 | 5°45 | 22° 2 | 15°D55 | 16°29 | 16°59 | 2°54 | W20 |
| T 21 | 22 22 26 | 3°49'24 | 24° 7 | 25°R40 | 9°36 | 6°31 | 26°56 | 13°10 | 15°50 | 5°46 | 22° 1 | 15°55 | 16°26 | 17° 6 | 2°52 | T 21 |
| F 22 | 22 26 23 | 4°47'43 | 7♈37 | 25°40 | 10°50 | 7°11 | 27° 2 | 13° 5 | 15°52 | 5°47 | 22° 1 | 15°56 | 16°23 | 17°13 | 2°49 | F 22 |
| S 23 | 22 30 20 | 5°46'05 | 21°20 | 25°32 | 12° 3 | 7°50 | 27° 8 | 13° 1 | 15°53 | 5°49 | 22° 1 | 15°57 | 16°20 | 17°19 | 2°47 | S 23 |
| S 24 | 22 34 16 | 6°44'29 | 5♉12 | 25°19 | 13°17 | 8°30 | 27°15 | 12°56 | 15°55 | 5°50 | 22° 1 | 15°58 | 16°17 | 17°26 | 2°44 | S 24 |
| M25 | 22 38 13 | 7°42'55 | 19°14 | 24°58 | 14°30 | 9°10 | 27°21 | 12°52 | 15°57 | 5°51 | 22° 1 | 15°58 | 16°14 | 17°33 | 2°42 | M25 |
| T 26 | 22 42 9 | 8°41'23 | 3♊22 | 24°31 | 15°44 | 9°50 | 27°28 | 12°47 | 15°59 | 5°53 | 22° 1 | 15°R59 | 16°10 | 17°40 | 2°39 | T 26 |
| W27 | 22 46 6 | 9°39'53 | 17°35 | 23°57 | 16°58 | 10°30 | 27°35 | 12°42 | 16° 1 | 5°54 | 22° 0 | 15°59 | 16° 7 | 17°46 | 2°37 | W27 |
| T 28 | 22 50 2 | 10°38'26 | 1♋51 | 23°17 | 18°11 | 11°10 | 27°42 | 12°38 | 16° 3 | 5°56 | 22° 0 | 15°58 | 16° 4 | 17°53 | 2°35 | T 28 |
| F 29 | 22 53 59 | 11°37'01 | 16° 6 | 22°30 | 19°25 | 11°50 | 27°50 | 12°33 | 16° 5 | 5°57 | 22° 0 | 15°58 | 16° 1 | 18° 0 | 2°32 | F 29 |
| S 30 | 22 57 55 | 12°35'39 | 0♌18 | 21°38 | 20°39 | 12°30 | 27°57 | 12°28 | 16° 7 | 5°59 | 22° 0 | 15°57 | 15°58 | 18° 6 | 2°29 | S 30 |
| S 31 | 23 1 52 | 13♍34'18 | 14♌22 | 20♍40 | 21♌53 | 13♎11 | 28♏ 5 | 12♓24 | 16♏ 9 | 6♏ 0 | 21♉59 | 15♍57 | 15♍55 | 18♐13 | 2♈27 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n34 | 18n31 | 4s54 | 6n39 | 0s57 | 22n28 | 0s12 | 3n 7 | 0n34 | 18s36 | 0n37 | 8s13 | 2s17 | 16s16 | 0n17 | 11s40 | 1n50 | 5n52 | 12s54 | 5n26 | 4n58 | 17s35 | 4n19 | 3n11 |
| S 2 | 16 17 | 17 43 | 4 18 | 6 3 | 1 7 | 22 22 | 0 9 | 2 51 | 0 34 | 18 37 | 0 37 | 8 14 | 2 17 | 16 16 | 0 17 | 11 40 | 1 50 | 5 51 | 12 55 | 5 27 | 4 59 | 17 35 | 4 19 | 3 11 |
| S 3 | 16 0 | 15 45 | 3 25 | 5 27 | 1 17 | 22 16 | 0 6 | 2 35 | 0 33 | 18 38 | 0 37 | 8 16 | 2 17 | 16 17 | 0 17 | 11 41 | 1 50 | 5 51 | 12 55 | 5 29 | 5 0 | 17 36 | 4 18 | 3 11 |
| M 4 | 15 42 | 12 49 | 2 21 | 4 52 | 1 27 | 22 9 | 0 4 | 2 19 | 0 32 | 18 39 | 0 36 | 8 17 | 2 18 | 16 17 | 0 17 | 11 41 | 1 50 | 5 51 | 12 55 | 5 30 | 5 1 | 17 37 | 4 18 | 3 11 |
| T 5 | 15 24 | 9 13 | 1 8 | 4 17 | 1 36 | 22 1 | 0 1 | 2 3 | 0 32 | 18 40 | 0 36 | 8 19 | 2 18 | 16 17 | 0 17 | 11 41 | 1 50 | 5 51 | 12 55 | 5 31 | 5 3 | 17 37 | 4 17 | 3 11 |
| W 6 | 15 6 | 5 11 | 0n 6 | 3 44 | 1 46 | 21 53 | 0n 2 | 1 47 | 0 31 | 18 41 | 0 36 | 8 21 | 2 18 | 16 17 | 0 17 | 11 42 | 1 50 | 5 51 | 12 55 | 5 31 | 5 4 | 17 38 | 4 16 | 3 11 |
| T 7 | 14 48 | 1 1 | 1 18 | 3 11 | 1 56 | 21 44 | 0 5 | 1 31 | 0 30 | 18 42 | 0 36 | 8 23 | 2 18 | 16 18 | 0 17 | 11 42 | 1 50 | 5 51 | 12 56 | 5 31 | 5 5 | 17 39 | 4 16 | 3 11 |
| F 8 | 14 29 | 3s 4 | 2 24 | 2 39 | 2 6 | 21 34 | 0 8 | 1 15 | 0 30 | 18 43 | 0 35 | 8 24 | 2 18 | 16 18 | 0 17 | 11 42 | 1 50 | 5 50 | 12 56 | 5 30 | 5 6 | 17 39 | 4 15 | 3 11 |
| S 9 | 14 11 | 6 55 | 3 22 | 2 8 | 2 16 | 21 24 | 0 11 | 0 59 | 0 29 | 18 45 | 0 35 | 8 26 | 2 18 | 16 18 | 0 17 | 11 43 | 1 50 | 5 50 | 12 56 | 5 30 | 5 8 | 17 40 | 4 14 | 3 11 |
| S 10 | 13 52 | 10 23 | 4 9 | 1 38 | 2 26 | 21 14 | 0 14 | 0 43 | 0 28 | 18 46 | 0 35 | 8 28 | 2 19 | 16 19 | 0 16 | 11 43 | 1 49 | 5 50 | 12 56 | 5 29 | 5 9 | 17 41 | 4 13 | 3 11 |
| M11 | 13 32 | 13 20 | 4 43 | 1 10 | 2 35 | 21 2 | 0 16 | 0 26 | 0 28 | 18 47 | 0 35 | 8 29 | 2 19 | 16 19 | 0 16 | 11 43 | 1 49 | 5 50 | 12 57 | 5 29 | 5 10 | 17 41 | 4 13 | 3 12 |
| T 12 | 13 13 | 15 42 | 5 6 | 0 43 | 2 45 | 20 50 | 0 19 | 0 10 | 0 27 | 18 48 | 0 35 | 8 31 | 2 19 | 16 20 | 0 16 | 11 44 | 1 49 | 5 50 | 12 57 | 5 29 | 5 11 | 17 42 | 4 12 | 3 12 |
| W13 | 12 53 | 17 23 | 5 15 | 0 18 | 2 54 | 20 38 | 0 22 | 0s 6 | 0 26 | 18 50 | 0 34 | 8 33 | 2 19 | 16 20 | 0 16 | 11 44 | 1 49 | 5 49 | 12 57 | 5 29 | 5 13 | 17 43 | 4 11 | 3 12 |
| T 14 | 12 33 | 18 19 | 5 10 | 0s 6 | 3 3 | 20 24 | 0 24 | 0 22 | 0 26 | 18 51 | 0 34 | 8 35 | 2 19 | 16 20 | 0 16 | 11 45 | 1 49 | 5 49 | 12 57 | 5 30 | 5 14 | 17 43 | 4 10 | 3 12 |
| F 15 | 12 13 | 18 27 | 4 52 | 0 28 | 3 12 | 20 11 | 0 27 | 0 39 | 0 25 | 18 53 | 0 34 | 8 37 | 2 19 | 16 21 | 0 16 | 11 45 | 1 49 | 5 49 | 12 58 | 5 31 | 5 15 | 17 44 | 4 10 | 3 12 |
| S 16 | 11 53 | 17 44 | 4 21 | 0 48 | 3 21 | 19 56 | 0 30 | 0 55 | 0 24 | 18 54 | 0 34 | 8 38 | 2 19 | 16 21 | 0 16 | 11 45 | 1 49 | 5 49 | 12 58 | 5 32 | 5 16 | 17 45 | 4 9 | 3 12 |
| S 17 | 11 33 | 16 10 | 3 38 | 1 6 | 3 29 | 19 41 | 0 32 | 1 11 | 0 24 | 18 56 | 0 34 | 8 40 | 2 19 | 16 22 | 0 16 | 11 46 | 1 49 | 5 48 | 12 58 | 5 33 | 5 18 | 17 45 | 4 8 | 3 12 |
| M18 | 11 12 | 13 49 | 2 43 | 1 22 | 3 36 | 19 26 | 0 35 | 1 28 | 0 23 | 18 57 | 0 33 | 8 42 | 2 20 | 16 22 | 0 16 | 11 46 | 1 49 | 5 48 | 12 58 | 5 34 | 5 19 | 17 46 | 4 7 | 3 12 |
| T 19 | 10 51 | 10 45 | 1 39 | 1 35 | 3 43 | 19 10 | 0 37 | 1 44 | 0 22 | 18 59 | 0 33 | 8 44 | 2 20 | 16 23 | 0 16 | 11 47 | 1 49 | 5 48 | 12 59 | 5 34 | 5 20 | 17 47 | 4 6 | 3 12 |
| W20 | 10 30 | 7 6 | 0 28 | 1 45 | 3 50 | 18 53 | 0 39 | 2 0 | 0 22 | 19 0 | 0 33 | 8 46 | 2 20 | 16 23 | 0 16 | 11 47 | 1 49 | 5 48 | 12 59 | 5 35 | 5 21 | 17 47 | 4 5 | 3 12 |
| T 21 | 10 9 | 3 2 | 0s45 | 1 52 | 3 55 | 18 36 | 0 42 | 2 17 | 0 21 | 19 2 | 0 33 | 8 48 | 2 20 | 16 24 | 0 16 | 11 48 | 1 49 | 5 47 | 12 59 | 5 35 | 5 23 | 17 48 | 4 4 | 3 12 |
| F 22 | 9 48 | 1n15 | 1 57 | 1 56 | 4 0 | 18 18 | 0 44 | 2 33 | 0 20 | 19 3 | 0 33 | 8 50 | 2 20 | 16 24 | 0 16 | 11 48 | 1 49 | 5 47 | 12 59 | 5 34 | 5 24 | 17 48 | 4 4 | 3 12 |
| S 23 | 9 26 | 5 31 | 3 4 | 1 57 | 4 4 | 18 0 | 0 46 | 2 49 | 0 20 | 19 5 | 0 32 | 8 51 | 2 20 | 16 25 | 0 16 | 11 49 | 1 49 | 5 47 | 13 0 | 5 34 | 5 25 | 17 49 | 4 3 | 3 12 |
| S 24 | 9 5 | 9 32 | 4 0 | 1 54 | 4 7 | 17 41 | 0 49 | 3 6 | 0 19 | 19 7 | 0 32 | 8 53 | 2 20 | 16 25 | 0 16 | 11 49 | 1 49 | 5 47 | 13 0 | 5 34 | 5 26 | 17 50 | 4 2 | 3 12 |
| M25 | 8 43 | 13 4 | 4 43 | 1 47 | 4 8 | 17 22 | 0 51 | 3 22 | 0 18 | 19 8 | 0 32 | 8 55 | 2 20 | 16 26 | 0 16 | 11 50 | 1 49 | 5 46 | 13 0 | 5 33 | 5 27 | 17 50 | 4 1 | 3 12 |
| T 26 | 8 21 | 15 52 | 5 9 | 1 37 | 4 9 | 17 2 | 0 53 | 3 39 | 0 18 | 19 10 | 0 32 | 8 57 | 2 20 | 16 26 | 0 16 | 11 50 | 1 49 | 5 46 | 13 0 | 5 33 | 5 29 | 17 51 | 4 0 | 3 12 |
| W27 | 7 59 | 17 43 | 5 17 | 1 22 | 4 7 | 16 42 | 0 55 | 3 55 | 0 17 | 19 12 | 0 32 | 8 59 | 2 20 | 16 27 | 0 16 | 11 51 | 1 49 | 5 46 | 13 0 | 5 33 | 5 30 | 17 52 | 3 59 | 3 12 |
| T 28 | 7 37 | 18 27 | 5 5 | 1 3 | 4 4 | 16 21 | 0 57 | 4 11 | 0 16 | 19 14 | 0 31 | 9 1 | 2 20 | 16 28 | 0 16 | 11 51 | 1 48 | 5 46 | 13 1 | 5 33 | 5 31 | 17 52 | 3 58 | 3 12 |
| F 29 | 7 14 | 18 2 | 4 34 | 0 40 | 3 59 | 16 0 | 0 59 | 4 28 | 0 16 | 19 16 | 0 31 | 9 3 | 2 21 | 16 28 | 0 16 | 11 52 | 1 48 | 5 45 | 13 1 | 5 34 | 5 32 | 17 53 | 3 57 | 3 12 |
| S 30 | 6 52 | 16 29 | 3 47 | 0 13 | 3 52 | 15 38 | 1 1 | 4 44 | 0 15 | 19 17 | 0 31 | 9 4 | 2 21 | 16 29 | 0 16 | 11 52 | 1 48 | 5 45 | 13 1 | 5 34 | 5 34 | 17 53 | 3 56 | 3 12 |
| S 31 | 6n29 | 13n56 | 2s46 | 0n17 | 3s44 | 15n16 | 1n 3 | 5s 0 | 0n14 | 19s19 | 0n31 | 9s 6 | 2s21 | 16s29 | 0n16 | 11s53 | 1n48 | 5n45 | 13s 1 | 5n34 | 5n35 | 17s54 | 3n55 | 3n12 |

Julian Day Number = 2138020.5, Delta T = 15m40s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'20, Lahiri = 11°53'21 Julian Calendar 1 Aug. 1141 == Greg. Calendar 8 Aug. 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## SEPTEMBER 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 5 49 | 14♍32'59 | 28♌16 | 19°R39 | 23♌ 7 | 13♎51 | 28♏12 | 12°R19 | 16♏11 | 6♏ 2 | 21°R59 | 15°R57 | 15♍51 | 18♐20 | 2°R24 | M 1 |
| T 2 | 23 9 45 | 15°31'43 | 11♍56 | 18♍35 | 24°21 | 14°31 | 28°20 | 12♓14 | 16°14 | 6° 3 | 21♉59 | 15♍57 | 15°48 | 18°27 | 2♈22 | T 2 |
| W 3 | 23 13 42 | 16°30'29 | 25°20 | 17°30 | 25°35 | 15°12 | 28°28 | 12°10 | 16°16 | 6° 5 | 21°58 | 15°57 | 15°45 | 18°33 | 2°19 | W 3 |
| T 4 | 23 17 38 | 17°29'16 | 8♎27 | 16°25 | 26°49 | 15°52 | 28°36 | 12° 5 | 16°18 | 6° 6 | 21°58 | 15°57 | 15°42 | 18°40 | 2°16 | T 4 |
| F 5 | 23 21 35 | 18°28'06 | 21°15 | 15°22 | 28° 3 | 16°33 | 28°44 | 12° 0 | 16°20 | 6° 8 | 21°57 | 15°57 | 15°39 | 18°47 | 2°14 | F 5 |
| S 6 | 23 25 31 | 19°26'57 | 3♏47 | 14°23 | 29°17 | 17°14 | 28°52 | 11°56 | 16°23 | 6°10 | 21°57 | 15°56 | 15°35 | 18°54 | 2°11 | S 6 |
| S 7 | 23 29 28 | 20°25'50 | 16° 4 | 13°28 | 0♍31 | 17°54 | 29° 1 | 11°51 | 16°25 | 6°11 | 21°57 | 15°56 | 15°32 | 19° 0 | 2° 8 | S 7 |
| M 8 | 23 33 24 | 21°24'45 | 28° 9 | 12°41 | 1°46 | 18°35 | 29° 9 | 11°47 | 16°28 | 6°13 | 21°56 | 15°55 | 15°29 | 19° 7 | 2° 6 | M 8 |
| T 9 | 23 37 21 | 22°23'42 | 10♐ 6 | 12° 1 | 3° 0 | 19°16 | 29°18 | 11°42 | 16°30 | 6°15 | 21°56 | 15°55 | 15°26 | 19°14 | 2° 3 | T 9 |
| W10 | 23 41 18 | 23°22'41 | 21°59 | 11°30 | 4°14 | 19°57 | 29°27 | 11°38 | 16°33 | 6°17 | 21°55 | 15°D55 | 15°23 | 19°20 | 2° 0 | W10 |
| T 11 | 23 45 14 | 24°21'41 | 3♑53 | 11° 8 | 5°29 | 20°38 | 29°36 | 11°33 | 16°35 | 6°18 | 21°55 | 15°55 | 15°20 | 19°27 | 1°57 | T 11 |
| F 12 | 23 49 11 | 25°20'44 | 15°53 | 10°57 | 6°43 | 21°19 | 29°45 | 11°29 | 16°38 | 6°20 | 21°54 | 15°55 | 15°16 | 19°34 | 1°55 | F 12 |
| S 13 | 23 53 7 | 26°19'48 | 28° 2 | 10°D56 | 7°57 | 22° 0 | 29°54 | 11°24 | 16°41 | 6°22 | 21°53 | 15°56 | 15°13 | 19°41 | 1°52 | S 13 |
| S 14 | 23 57 4 | 27°18'54 | 10♒26 | 11° 6 | 9°12 | 22°41 | 0♐ 3 | 11°20 | 16°43 | 6°24 | 21°53 | 15°57 | 15°10 | 19°47 | 1°49 | S 14 |
| M15 | 0 1 0 | 28°18'02 | 23° 6 | 11°26 | 10°26 | 23°22 | 0°13 | 11°15 | 16°46 | 6°26 | 21°52 | 15°58 | 15° 7 | 19°54 | 1°46 | M15 |
| T 16 | 0 4 57 | 29°17'12 | 6♓ 7 | 11°56 | 11°41 | 24° 3 | 0°22 | 11°11 | 16°49 | 6°28 | 21°52 | 15°59 | 15° 4 | 20° 1 | 1°44 | T 16 |
| W17 | 0 8 53 | 0♎16'23 | 19°27 | 12°35 | 12°56 | 24°44 | 0°32 | 11° 7 | 16°52 | 6°29 | 21°51 | 15°R59 | 15° 0 | 20° 7 | 1°41 | W17 |
| T 18 | 0 12 50 | 1°15'37 | 3♈ 7 | 13°22 | 14°10 | 25°26 | 0°42 | 11° 3 | 16°54 | 6°31 | 21°50 | 15°59 | 14°57 | 20°14 | 1°38 | T 18 |
| F 19 | 0 16 46 | 2°14'53 | 17° 4 | 14°18 | 15°25 | 26° 7 | 0°51 | 10°58 | 16°57 | 6°33 | 21°50 | 15°57 | 14°54 | 20°21 | 1°35 | F 19 |
| S 20 | 0 20 43 | 3°14'11 | 1♉15 | 15°21 | 16°39 | 26°49 | 1° 1 | 10°54 | 17° 0 | 6°35 | 21°49 | 15°55 | 14°51 | 20°28 | 1°33 | S 20 |
| S 21 | 0 24 40 | 4°13'31 | 15°35 | 16°30 | 17°54 | 27°30 | 1°11 | 10°50 | 17° 3 | 6°37 | 21°48 | 15°53 | 14°48 | 20°34 | 1°30 | S 21 |
| M22 | 0 28 36 | 5°12'54 | 29°58 | 17°45 | 19° 9 | 28°12 | 1°22 | 10°46 | 17° 6 | 6°39 | 21°48 | 15°50 | 14°45 | 20°41 | 1°27 | M22 |
| T 23 | 0 32 33 | 6°12'19 | 14♊21 | 19° 5 | 20°24 | 28°53 | 1°32 | 10°42 | 17° 9 | 6°41 | 21°47 | 15°48 | 14°41 | 20°48 | 1°24 | T 23 |
| W24 | 0 36 29 | 7°11'46 | 28°39 | 20°30 | 21°39 | 29°35 | 1°42 | 10°38 | 17°12 | 6°43 | 21°46 | 15°47 | 14°38 | 20°55 | 1°21 | W24 |
| T 25 | 0 40 26 | 8°11'16 | 12♋49 | 21°58 | 22°53 | 0♏17 | 1°53 | 10°34 | 17°15 | 6°45 | 21°45 | 15°D47 | 14°35 | 21° 1 | 1°19 | T 25 |
| F 26 | 0 44 22 | 9°10'48 | 26°50 | 23°29 | 24° 8 | 0°59 | 2° 3 | 10°31 | 17°18 | 6°47 | 21°45 | 15°48 | 14°32 | 21° 8 | 1°16 | F 26 |
| S 27 | 0 48 19 | 10°10'23 | 10♌40 | 25° 2 | 25°23 | 1°41 | 2°14 | 10°27 | 17°21 | 6°49 | 21°44 | 15°49 | 14°29 | 21°15 | 1°13 | S 27 |
| S 28 | 0 52 15 | 11° 9'59 | 24°18 | 26°38 | 26°38 | 2°23 | 2°25 | 10°23 | 17°25 | 6°51 | 21°43 | 15°51 | 14°26 | 21°21 | 1°10 | S 28 |
| M29 | 0 56 12 | 12° 9'38 | 7♍45 | 28°16 | 27°53 | 3° 5 | 2°35 | 10°20 | 17°28 | 6°53 | 21°42 | 15°52 | 14°22 | 21°28 | 1° 8 | M29 |
| T 30 | 1 0 9 | 13♎ 9'20 | 21♍ 0 | 29♍54 | 29♍ 8 | 3♏47 | 2♐46 | 10♓16 | 17♏31 | 6♏55 | 21♉41 | 15°R52 | 14♍19 | 21♐35 | 1♈ 5 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n 7 | 10n37 | 1s37 | 0n51 | 3s33 | 14n53 | 1n 5 | 5s17 | 0n14 | 19s21 | 0n31 | 9s 8 | 2s21 | 16s30 | 0n16 | 11s53 | 1n48 | 5n44 | 13s 2 | 5n34 | 5n36 | 17s55 | 3n54 | 3n12 |
| T 2 | 5 44 | 6 46 | 0 22 | 1 28 | 3 20 | 14 31 | 1 6 | 5 33 | 0 13 | 19 23 | 0 30 | 9 10 | 2 21 | 16 31 | 0 16 | 11 54 | 1 48 | 5 44 | 13 2 | 5 34 | 5 37 | 17 55 | 3 53 | 3 12 |
| W 3 | 5 21 | 2 39 | 0n52 | 2 7 | 3 6 | 14 7 | 1 8 | 5 49 | 0 12 | 19 25 | 0 30 | 9 12 | 2 21 | 16 31 | 0 16 | 11 54 | 1 48 | 5 44 | 13 2 | 5 34 | 5 39 | 17 56 | 3 52 | 3 12 |
| T 4 | 4 58 | 1s30 | 2 2 | 2 47 | 2 50 | 13 43 | 1 10 | 6 6 | 0 12 | 19 27 | 0 30 | 9 14 | 2 21 | 16 32 | 0 16 | 11 55 | 1 48 | 5 44 | 13 2 | 5 34 | 5 40 | 17 57 | 3 50 | 3 12 |
| F 5 | 4 35 | 5 30 | 3 4 | 3 27 | 2 32 | 13 19 | 1 11 | 6 22 | 0 11 | 19 29 | 0 30 | 9 15 | 2 21 | 16 33 | 0 16 | 11 56 | 1 48 | 5 43 | 13 2 | 5 34 | 5 41 | 17 57 | 3 49 | 3 12 |
| S 6 | 4 12 | 9 9 | 3 55 | 4 7 | 2 14 | 12 55 | 1 13 | 6 38 | 0 10 | 19 31 | 0 30 | 9 17 | 2 21 | 16 33 | 0 16 | 11 56 | 1 48 | 5 43 | 13 3 | 5 34 | 5 42 | 17 58 | 3 48 | 3 12 |
| S 7 | 3 49 | 12 20 | 4 35 | 4 46 | 1 54 | 12 30 | 1 14 | 6 54 | 0 10 | 19 33 | 0 30 | 9 19 | 2 21 | 16 34 | 0 16 | 11 57 | 1 48 | 5 43 | 13 3 | 5 34 | 5 44 | 17 58 | 3 47 | 3 12 |
| M 8 | 3 25 | 14 56 | 5 2 | 5 23 | 1 34 | 12 4 | 1 16 | 7 11 | 0 9 | 19 35 | 0 29 | 9 21 | 2 21 | 16 35 | 0 16 | 11 57 | 1 48 | 5 42 | 13 3 | 5 35 | 5 45 | 17 59 | 3 46 | 3 12 |
| T 9 | 3 2 | 16 52 | 5 15 | 5 57 | 1 14 | 11 39 | 1 17 | 7 27 | 0 8 | 19 37 | 0 29 | 9 22 | 2 21 | 16 36 | 0 16 | 11 58 | 1 48 | 5 42 | 13 3 | 5 35 | 5 46 | 17 59 | 3 45 | 3 12 |
| W10 | 2 38 | 18 4 | 5 15 | 6 27 | 0 54 | 11 13 | 1 18 | 7 43 | 0 8 | 19 39 | 0 29 | 9 24 | 2 21 | 16 36 | 0 16 | 11 59 | 1 48 | 5 42 | 13 4 | 5 35 | 5 47 | 18 0 | 3 44 | 3 12 |
| T 11 | 2 15 | 18 28 | 5 1 | 6 54 | 0 34 | 10 46 | 1 19 | 7 59 | 0 7 | 19 41 | 0 29 | 9 26 | 2 21 | 16 37 | 0 16 | 11 59 | 1 48 | 5 41 | 13 4 | 5 35 | 5 49 | 18 1 | 3 43 | 3 12 |
| F 12 | 1 51 | 18 3 | 4 35 | 7 15 | 0 15 | 10 20 | 1 20 | 8 15 | 0 6 | 19 43 | 0 29 | 9 28 | 2 21 | 16 38 | 0 16 | 12 0 | 1 48 | 5 41 | 13 4 | 5 35 | 5 50 | 18 1 | 3 42 | 3 12 |
| S 13 | 1 28 | 16 48 | 3 55 | 7 32 | 0n 3 | 9 53 | 1 21 | 8 31 | 0 6 | 19 45 | 0 29 | 9 29 | 2 21 | 16 39 | 0 16 | 12 0 | 1 48 | 5 41 | 13 4 | 5 34 | 5 51 | 18 2 | 3 40 | 3 12 |
| S 14 | 1 4 | 14 45 | 3 4 | 7 44 | 0 19 | 9 26 | 1 22 | 8 47 | 0 5 | 19 48 | 0 28 | 9 31 | 2 21 | 16 40 | 0 16 | 12 1 | 1 48 | 5 40 | 13 4 | 5 34 | 5 52 | 18 2 | 3 39 | 3 12 |
| M15 | 0 41 | 11 56 | 2 3 | 7 51 | 0 35 | 8 58 | 1 23 | 9 3 | 0 4 | 19 50 | 0 28 | 9 33 | 2 21 | 16 40 | 0 16 | 12 2 | 1 48 | 5 40 | 13 5 | 5 33 | 5 53 | 18 3 | 3 38 | 3 12 |
| T 16 | 0 17 | 8 28 | 0 54 | 7 53 | 0 49 | 8 31 | 1 24 | 9 19 | 0 4 | 19 52 | 0 28 | 9 34 | 2 21 | 16 41 | 0 16 | 12 2 | 1 48 | 5 40 | 13 5 | 5 33 | 5 55 | 18 3 | 3 37 | 3 12 |
| W17 | 0s 7 | 4 29 | 0s19 | 7 50 | 1 2 | 8 3 | 1 25 | 9 35 | 0 3 | 19 54 | 0 28 | 9 36 | 2 21 | 16 42 | 0 16 | 12 3 | 1 48 | 5 39 | 13 5 | 5 33 | 5 56 | 18 4 | 3 36 | 3 11 |
| T 18 | 0 30 | 0 11 | 1 33 | 7 42 | 1 14 | 7 34 | 1 26 | 9 50 | 0 3 | 19 56 | 0 28 | 9 37 | 2 21 | 16 43 | 0 16 | 12 4 | 1 48 | 5 39 | 13 5 | 5 33 | 5 57 | 18 5 | 3 35 | 3 11 |
| F 19 | 0 54 | 4n13 | 2 43 | 7 30 | 1 24 | 7 6 | 1 26 | 10 6 | 0 2 | 19 58 | 0 28 | 9 39 | 2 21 | 16 44 | 0 16 | 12 4 | 1 48 | 5 39 | 13 5 | 5 34 | 5 58 | 18 5 | 3 33 | 3 11 |
| S 20 | 1 18 | 8 27 | 3 44 | 7 13 | 1 33 | 6 37 | 1 27 | 10 22 | 0 1 | 20 1 | 0 27 | 9 40 | 2 21 | 16 44 | 0 16 | 12 5 | 1 48 | 5 38 | 13 5 | 5 35 | 6 0 | 18 6 | 3 32 | 3 11 |
| S 21 | 1 41 | 12 14 | 4 32 | 6 53 | 1 40 | 6 9 | 1 27 | 10 37 | 0 1 | 20 3 | 0 27 | 9 42 | 2 20 | 16 45 | 0 16 | 12 6 | 1 47 | 5 38 | 13 6 | 5 36 | 6 1 | 18 6 | 3 31 | 3 11 |
| M22 | 2 5 | 15 18 | 5 3 | 6 29 | 1 46 | 5 40 | 1 28 | 10 53 | 0s 0 | 20 5 | 0 27 | 9 43 | 2 20 | 16 46 | 0 16 | 12 6 | 1 47 | 5 38 | 13 6 | 5 37 | 6 2 | 18 7 | 3 30 | 3 11 |
| T 23 | 2 29 | 17 25 | 5 15 | 6 2 | 1 51 | 5 10 | 1 28 | 11 8 | 0 1 | 20 7 | 0 27 | 9 45 | 2 20 | 16 47 | 0 16 | 12 7 | 1 47 | 5 37 | 13 6 | 5 37 | 6 3 | 18 7 | 3 29 | 3 11 |
| W24 | 2 52 | 18 25 | 5 7 | 5 32 | 1 55 | 4 41 | 1 29 | 11 24 | 0 1 | 20 10 | 0 27 | 9 46 | 2 20 | 16 48 | 0 16 | 12 8 | 1 47 | 5 37 | 13 6 | 5 38 | 6 5 | 18 8 | 3 28 | 3 11 |
| T 25 | 3 16 | 18 16 | 4 41 | 5 0 | 1 57 | 4 12 | 1 29 | 11 39 | 0 2 | 20 12 | 0 27 | 9 48 | 2 20 | 16 49 | 0 16 | 12 8 | 1 47 | 5 37 | 13 6 | 5 38 | 6 6 | 18 8 | 3 26 | 3 11 |
| F 26 | 3 39 | 17 0 | 3 58 | 4 25 | 1 59 | 3 42 | 1 29 | 11 54 | 0 3 | 20 14 | 0 26 | 9 49 | 2 20 | 16 50 | 0 16 | 12 9 | 1 47 | 5 36 | 13 6 | 5 38 | 6 7 | 18 9 | 3 25 | 3 11 |
| S 27 | 4 3 | 14 44 | 3 2 | 3 48 | 2 0 | 3 12 | 1 29 | 12 10 | 0 3 | 20 16 | 0 26 | 9 50 | 2 20 | 16 51 | 0 15 | 12 10 | 1 47 | 5 36 | 13 7 | 5 37 | 6 8 | 18 10 | 3 24 | 3 11 |
| S 28 | 4 26 | 11 40 | 1 56 | 3 10 | 2 0 | 2 42 | 1 29 | 12 25 | 0 4 | 20 19 | 0 26 | 9 52 | 2 20 | 16 51 | 0 15 | 12 11 | 1 47 | 5 36 | 13 7 | 5 36 | 6 9 | 18 10 | 3 23 | 3 11 |
| M29 | 4 50 | 8 1 | 0 44 | 2 31 | 1 59 | 2 12 | 1 29 | 12 40 | 0 5 | 20 21 | 0 26 | 9 53 | 2 20 | 16 52 | 0 15 | 12 11 | 1 47 | 5 35 | 13 7 | 5 36 | 6 11 | 18 11 | 3 22 | 3 10 |
| T 30 | 5s13 | 4n 1 | 0n28 | 1n50 | 1n57 | 1n42 | 1n29 | 12s55 | 0s 5 | 20s23 | 0n26 | 9s54 | 2s20 | 16s53 | 0n15 | 12s12 | 1n47 | 5n35 | 13s 7 | 5n36 | 6n12 | 18s11 | 3n21 | 3n10 |

Julian Day Number = 2138051.5, Delta T = 15m40s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'24, Lahiri = 11°53'25 Julian Calendar 1 Sept. 1141 == Greg. Calendar 8 Sept. 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## OCTOBER 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 4 5 | 14♎ 9'03 | 4♎ 2 | 1♎34 | 0♎23 | 4♏29 | 2♐57 | 10°R13 | 17♏34 | 6♏58 | 21°R40 | 15°R51 | 14♍16 | 21♐42 | 1°R 2 | W 1 |
| T 2 | 1 8 2 | 15° 8'48 | 16°51 | 3°14 | 1°38 | 5°11 | 3° 8 | 10♓ 9 | 17°37 | 7° 0 | 21♉40 | 15♍48 | 14°13 | 21°48 | 1♈ 0 | T 2 |
| F 3 | 1 11 58 | 16° 8'36 | 29°28 | 4°55 | 2°53 | 5°53 | 3°20 | 10° 6 | 17°41 | 7° 2 | 21°39 | 15°44 | 14°10 | 21°55 | 0°57 | F 3 |
| S 4 | 1 15 55 | 17° 8'25 | 11♏52 | 6°37 | 4° 8 | 6°36 | 3°31 | 10° 3 | 17°44 | 7° 4 | 21°38 | 15°38 | 14° 6 | 22° 2 | 0°54 | S 4 |
| S 5 | 1 19 51 | 18° 8'16 | 24° 4 | 8°18 | 5°23 | 7°18 | 3°42 | 10° 0 | 17°47 | 7° 6 | 21°37 | 15°32 | 14° 3 | 22° 8 | 0°52 | S 5 |
| M 6 | 1 23 48 | 19° 8'10 | 6♐ 7 | 9°59 | 6°39 | 8° 1 | 3°54 | 9°56 | 17°51 | 7° 8 | 21°36 | 15°27 | 14° 0 | 22°15 | 0°49 | M 6 |
| T 7 | 1 27 44 | 20° 8'05 | 18° 3 | 11°41 | 7°54 | 8°43 | 4° 5 | 9°53 | 17°54 | 7°10 | 21°35 | 15°22 | 13°57 | 22°22 | 0°47 | T 7 |
| W 8 | 1 31 41 | 21° 8'02 | 29°54 | 13°22 | 9° 9 | 9°26 | 4°17 | 9°51 | 17°57 | 7°13 | 21°34 | 15°18 | 13°54 | 22°29 | 0°44 | W 8 |
| T 9 | 1 35 38 | 22° 8'00 | 11♑46 | 15° 3 | 10°24 | 10° 8 | 4°28 | 9°48 | 18° 1 | 7°15 | 21°33 | 15°15 | 13°51 | 22°35 | 0°41 | T 9 |
| F 10 | 1 39 34 | 23° 8'00 | 23°43 | 16°44 | 11°39 | 10°51 | 4°40 | 9°45 | 18° 4 | 7°17 | 21°32 | 15°D15 | 13°47 | 22°42 | 0°39 | F 10 |
| S 11 | 1 43 31 | 24° 8'02 | 5♒50 | 18°24 | 12°54 | 11°34 | 4°52 | 9°42 | 18° 8 | 7°19 | 21°31 | 15°15 | 13°44 | 22°49 | 0°36 | S 11 |
| S 12 | 1 47 27 | 25° 8'05 | 18°11 | 20° 4 | 14°10 | 12°17 | 5° 4 | 9°40 | 18°11 | 7°21 | 21°30 | 15°17 | 13°41 | 22°56 | 0°34 | S 12 |
| M13 | 1 51 24 | 26° 8'11 | 0♓52 | 21°43 | 15°25 | 13° 0 | 5°16 | 9°37 | 18°15 | 7°24 | 21°29 | 15°18 | 13°38 | 23° 2 | 0°32 | M13 |
| T 14 | 1 55 20 | 27° 8'17 | 13°56 | 23°23 | 16°40 | 13°43 | 5°28 | 9°35 | 18°18 | 7°26 | 21°28 | 15°R19 | 13°35 | 23° 9 | 0°29 | T 14 |
| W15 | 1 59 17 | 28° 8'26 | 27°25 | 25° 1 | 17°55 | 14°26 | 5°40 | 9°33 | 18°22 | 7°28 | 21°27 | 15°19 | 13°32 | 23°16 | 0°27 | W15 |
| T 16 | 2 3 13 | 29° 8'36 | 11♈20 | 26°40 | 19°11 | 15° 9 | 5°52 | 9°30 | 18°25 | 7°30 | 21°26 | 15°16 | 13°28 | 23°22 | 0°24 | T 16 |
| F 17 | 2 7 10 | 0♏ 8'47 | 25°39 | 28°18 | 20°26 | 15°52 | 6° 4 | 9°28 | 18°29 | 7°33 | 21°25 | 15°11 | 13°25 | 23°29 | 0°22 | F 17 |
| S 18 | 2 11 6 | 1° 9'01 | 10♉16 | 29°55 | 21°41 | 16°35 | 6°17 | 9°26 | 18°32 | 7°35 | 21°24 | 15° 5 | 13°22 | 23°36 | 0°20 | S 18 |
| S 19 | 2 15 3 | 2° 9'16 | 25° 5 | 1♏33 | 22°57 | 17°18 | 6°29 | 9°24 | 18°36 | 7°37 | 21°23 | 14°57 | 13°19 | 23°43 | 0°18 | S 19 |
| M20 | 2 19 0 | 3° 9'34 | 9♊57 | 3° 9 | 24°12 | 18° 1 | 6°41 | 9°23 | 18°40 | 7°39 | 21°22 | 14°50 | 13°16 | 23°49 | 0°15 | M20 |
| T 21 | 2 22 56 | 4° 9'53 | 24°44 | 4°46 | 25°27 | 18°45 | 6°54 | 9°21 | 18°43 | 7°41 | 21°21 | 14°43 | 13°12 | 23°56 | 0°13 | T 21 |
| W22 | 2 26 53 | 5°10'15 | 9♋18 | 6°22 | 26°43 | 19°28 | 7° 6 | 9°19 | 18°47 | 7°44 | 21°20 | 14°38 | 13° 9 | 24° 3 | 0°11 | W22 |
| T 23 | 2 30 49 | 6°10'38 | 23°36 | 7°58 | 27°58 | 20°12 | 7°19 | 9°18 | 18°50 | 7°46 | 21°19 | 14°36 | 13° 6 | 24° 9 | 0° 9 | T 23 |
| F 24 | 2 34 46 | 7°11'04 | 7♌35 | 9°33 | 29°14 | 20°55 | 7°32 | 9°16 | 18°54 | 7°48 | 21°18 | 14°D35 | 13° 3 | 24°16 | 0° 7 | F 24 |
| S 25 | 2 38 42 | 8°11'31 | 21°15 | 11° 8 | 0♏29 | 21°39 | 7°44 | 9°15 | 18°58 | 7°51 | 21°16 | 14°36 | 13° 0 | 24°23 | 0° 5 | S 25 |
| S 26 | 2 42 39 | 9°12'00 | 4♍37 | 12°43 | 1°44 | 22°22 | 7°57 | 9°14 | 19° 1 | 7°53 | 21°15 | 14°36 | 12°57 | 24°30 | 0° 3 | S 26 |
| M27 | 2 46 35 | 10°12'31 | 17°43 | 14°18 | 3° 0 | 23° 6 | 8°10 | 9°13 | 19° 5 | 7°55 | 21°14 | 14°R37 | 12°53 | 24°36 | 0° 1 | M27 |
| T 28 | 2 50 32 | 11°13'04 | 0♎36 | 15°52 | 4°15 | 23°50 | 8°23 | 9°12 | 19° 9 | 7°57 | 21°13 | 14°35 | 12°50 | 24°43 | 29♓59 | T 28 |
| W29 | 2 54 29 | 12°13'39 | 13°17 | 17°26 | 5°31 | 24°34 | 8°36 | 9°11 | 19°12 | 8° 0 | 21°12 | 14°32 | 12°47 | 24°50 | 29°57 | W29 |
| T 30 | 2 58 25 | 13°14'16 | 25°48 | 19° 0 | 6°46 | 25°17 | 8°49 | 9°10 | 19°16 | 8° 2 | 21°11 | 14°25 | 12°44 | 24°57 | 29°55 | T 30 |
| F 31 | 3 2 22 | 14♏14'54 | 8♏10 | 20♏33 | 8♏ 2 | 26♏ 1 | 9♐ 2 | 9♓ 9 | 19♏20 | 8♏ 4 | 21♉10 | 14♍16 | 12♍41 | 25♐ 3 | 29♓53 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s36 | 0s 7 | 1n38 | 1n 8 | 1n55 | 1n12 | 1n29 | 13s10 | 0s 6 | 20s25 | 0n26 | 9s56 | 2s20 | 16s54 | 0n15 | 12s13 | 1n47 | 5n35 | 13s 7 | 5n36 | 6n13 | 18s12 | 3n19 | 3n10 |
| T 2 | 6 0 | 4 10 | 2 42 | 0 25 | 1 52 | 0 42 | 1 28 | 13 25 | 0 6 | 20 28 | 0 26 | 9 57 | 2 20 | 16 55 | 0 15 | 12 13 | 1 47 | 5 34 | 13 7 | 5 37 | 6 14 | 18 12 | 3 18 | 3 10 |
| F 3 | 6 23 | 7 58 | 3 36 | 0s18 | 1 49 | 0 12 | 1 28 | 13 39 | 0 7 | 20 30 | 0 25 | 9 58 | 2 19 | 16 56 | 0 15 | 12 14 | 1 47 | 5 34 | 13 7 | 5 39 | 6 16 | 18 13 | 3 17 | 3 10 |
| S 4 | 6 46 | 11 21 | 4 19 | 1 2 | 1 45 | 0s19 | 1 28 | 13 54 | 0 8 | 20 32 | 0 25 | 9 59 | 2 19 | 16 57 | 0 15 | 12 15 | 1 47 | 5 34 | 13 8 | 5 41 | 6 17 | 18 13 | 3 16 | 3 10 |
| S 5 | 7 9 | 14 12 | 4 50 | 1 46 | 1 41 | 0 49 | 1 27 | 14 9 | 0 8 | 20 35 | 0 25 | 10 0 | 2 19 | 16 58 | 0 15 | 12 16 | 1 47 | 5 33 | 13 8 | 5 43 | 6 18 | 18 14 | 3 15 | 3 10 |
| M 6 | 7 32 | 16 23 | 5 7 | 2 30 | 1 36 | 1 19 | 1 27 | 14 23 | 0 9 | 20 37 | 0 25 | 10 1 | 2 19 | 16 59 | 0 15 | 12 16 | 1 47 | 5 33 | 13 8 | 5 46 | 6 19 | 18 14 | 3 14 | 3 10 |
| T 7 | 7 54 | 17 51 | 5 11 | 3 14 | 1 32 | 1 50 | 1 26 | 14 37 | 0 10 | 20 39 | 0 25 | 10 2 | 2 19 | 17 0 | 0 15 | 12 17 | 1 47 | 5 32 | 13 8 | 5 48 | 6 21 | 18 15 | 3 12 | 3 10 |
| W 8 | 8 17 | 18 32 | 5 1 | 3 58 | 1 26 | 2 20 | 1 26 | 14 52 | 0 10 | 20 42 | 0 25 | 10 3 | 2 19 | 17 1 | 0 15 | 12 18 | 1 47 | 5 32 | 13 8 | 5 49 | 6 22 | 18 15 | 3 11 | 3 9 |
| T 9 | 8 39 | 18 24 | 4 39 | 4 43 | 1 21 | 2 50 | 1 25 | 15 6 | 0 11 | 20 44 | 0 25 | 10 4 | 2 19 | 17 2 | 0 15 | 12 18 | 1 47 | 5 32 | 13 8 | 5 50 | 6 23 | 18 16 | 3 10 | 3 9 |
| F 10 | 9 2 | 17 27 | 4 4 | 5 27 | 1 15 | 3 20 | 1 24 | 15 20 | 0 11 | 20 46 | 0 24 | 10 5 | 2 19 | 17 3 | 0 15 | 12 19 | 1 47 | 5 31 | 13 8 | 5 50 | 6 24 | 18 16 | 3 9 | 3 9 |
| S 11 | 9 24 | 15 42 | 3 18 | 6 10 | 1 9 | 3 51 | 1 23 | 15 34 | 0 12 | 20 48 | 0 24 | 10 6 | 2 18 | 17 4 | 0 15 | 12 20 | 1 47 | 5 31 | 13 8 | 5 50 | 6 25 | 18 17 | 3 8 | 3 9 |
| S 12 | 9 46 | 13 12 | 2 22 | 6 54 | 1 3 | 4 21 | 1 22 | 15 48 | 0 13 | 20 51 | 0 24 | 10 7 | 2 18 | 17 5 | 0 15 | 12 21 | 1 47 | 5 31 | 13 8 | 5 50 | 6 27 | 18 17 | 3 7 | 3 9 |
| M13 | 10 8 | 10 0 | 1 18 | 7 37 | 0 57 | 4 51 | 1 21 | 16 1 | 0 13 | 20 53 | 0 24 | 10 8 | 2 18 | 17 6 | 0 15 | 12 21 | 1 47 | 5 30 | 13 9 | 5 49 | 6 28 | 18 18 | 3 6 | 3 9 |
| T 14 | 10 30 | 6 14 | 0 8 | 8 20 | 0 51 | 5 21 | 1 20 | 16 15 | 0 14 | 20 55 | 0 24 | 10 8 | 2 18 | 17 7 | 0 15 | 12 22 | 1 47 | 5 30 | 13 9 | 5 49 | 6 29 | 18 18 | 3 5 | 3 9 |
| W15 | 10 52 | 2 2 | 1s 5 | 9 2 | 0 45 | 5 50 | 1 19 | 16 28 | 0 15 | 20 58 | 0 24 | 10 9 | 2 18 | 17 8 | 0 15 | 12 23 | 1 47 | 5 30 | 13 9 | 5 49 | 6 30 | 18 19 | 3 3 | 3 8 |
| T 16 | 11 13 | 2n25 | 2 16 | 9 44 | 0 38 | 6 20 | 1 18 | 16 42 | 0 15 | 21 0 | 0 24 | 10 10 | 2 18 | 17 9 | 0 15 | 12 24 | 1 47 | 5 29 | 13 9 | 5 50 | 6 32 | 18 19 | 3 2 | 3 8 |
| F 17 | 11 34 | 6 51 | 3 20 | 10 26 | 0 31 | 6 50 | 1 17 | 16 55 | 0 16 | 21 2 | 0 23 | 10 11 | 2 18 | 17 10 | 0 15 | 12 24 | 1 47 | 5 29 | 13 9 | 5 52 | 6 33 | 18 20 | 3 1 | 3 8 |
| S 18 | 11 56 | 10 58 | 4 13 | 11 7 | 0 25 | 7 19 | 1 16 | 17 8 | 0 16 | 21 4 | 0 23 | 10 11 | 2 17 | 17 11 | 0 15 | 12 25 | 1 47 | 5 29 | 13 9 | 5 54 | 6 34 | 18 20 | 3 0 | 3 8 |
| S 19 | 12 17 | 14 27 | 4 49 | 11 47 | 0 18 | 7 48 | 1 15 | 17 21 | 0 17 | 21 7 | 0 23 | 10 12 | 2 17 | 17 12 | 0 15 | 12 26 | 1 47 | 5 29 | 13 9 | 5 57 | 6 35 | 18 21 | 2 59 | 3 8 |
| M20 | 12 37 | 17 0 | 5 6 | 12 26 | 0 11 | 8 18 | 1 13 | 17 34 | 0 18 | 21 9 | 0 23 | 10 12 | 2 17 | 17 13 | 0 15 | 12 26 | 1 47 | 5 28 | 13 9 | 6 0 | 6 36 | 18 21 | 2 58 | 3 8 |
| T 21 | 12 58 | 18 24 | 5 3 | 13 6 | 0 5 | 8 47 | 1 12 | 17 46 | 0 18 | 21 11 | 0 23 | 10 13 | 2 17 | 17 14 | 0 15 | 12 27 | 1 47 | 5 28 | 13 9 | 6 3 | 6 38 | 18 21 | 2 57 | 3 8 |
| W22 | 13 18 | 18 34 | 4 39 | 13 44 | 0s 2 | 9 15 | 1 10 | 17 59 | 0 19 | 21 13 | 0 23 | 10 13 | 2 17 | 17 15 | 0 15 | 12 28 | 1 47 | 5 28 | 13 9 | 6 4 | 6 39 | 18 22 | 2 56 | 3 7 |
| T 23 | 13 38 | 17 33 | 3 59 | 14 22 | 0 9 | 9 44 | 1 9 | 18 11 | 0 19 | 21 15 | 0 23 | 10 14 | 2 17 | 17 16 | 0 15 | 12 29 | 1 47 | 5 27 | 13 9 | 6 6 | 6 40 | 18 22 | 2 55 | 3 7 |
| F 24 | 13 58 | 15 28 | 3 5 | 14 59 | 0 15 | 10 12 | 1 7 | 18 23 | 0 20 | 21 18 | 0 23 | 10 14 | 2 16 | 17 17 | 0 15 | 12 29 | 1 47 | 5 27 | 13 9 | 6 6 | 6 41 | 18 23 | 2 54 | 3 7 |
| S 25 | 14 18 | 12 33 | 2 2 | 15 35 | 0 22 | 10 40 | 1 6 | 18 35 | 0 21 | 21 20 | 0 22 | 10 14 | 2 16 | 17 18 | 0 15 | 12 30 | 1 47 | 5 27 | 13 9 | 6 6 | 6 43 | 18 23 | 2 53 | 3 7 |
| S 26 | 14 38 | 9 2 | 0 53 | 16 10 | 0 28 | 11 8 | 1 4 | 18 47 | 0 21 | 21 22 | 0 22 | 10 15 | 2 16 | 17 19 | 0 15 | 12 31 | 1 47 | 5 26 | 13 9 | 6 5 | 6 44 | 18 24 | 2 52 | 3 7 |
| M27 | 14 57 | 5 8 | 0n17 | 16 45 | 0 35 | 11 36 | 1 2 | 18 59 | 0 22 | 21 24 | 0 22 | 10 15 | 2 16 | 17 20 | 0 15 | 12 32 | 1 47 | 5 26 | 13 9 | 6 5 | 6 45 | 18 24 | 2 51 | 3 6 |
| T 28 | 15 16 | 1 3 | 1 25 | 17 19 | 0 41 | 12 3 | 1 1 | 19 11 | 0 22 | 21 26 | 0 22 | 10 15 | 2 16 | 17 21 | 0 15 | 12 32 | 1 47 | 5 26 | 13 9 | 6 6 | 6 46 | 18 25 | 2 50 | 3 6 |
| W29 | 15 35 | 3s 1 | 2 27 | 17 52 | 0 47 | 12 30 | 0 59 | 19 22 | 0 23 | 21 28 | 0 22 | 10 15 | 2 16 | 17 22 | 0 15 | 12 33 | 1 47 | 5 25 | 13 9 | 6 7 | 6 47 | 18 25 | 2 49 | 3 6 |
| T 30 | 15 53 | 6 53 | 3 21 | 18 24 | 0 54 | 12 56 | 0 57 | 19 33 | 0 24 | 21 31 | 0 22 | 10 15 | 2 15 | 17 23 | 0 15 | 12 34 | 1 47 | 5 25 | 13 9 | 6 10 | 6 49 | 18 25 | 2 48 | 3 6 |
| F 31 | 16s11 | 10s25 | 4n 5 | 18s56 | 1s 0 | 13s23 | 0n55 | 19s44 | 0s24 | 21s33 | 0n22 | 10s16 | 2s15 | 17s24 | 0n15 | 12s34 | 1n47 | 5n25 | 13s 9 | 6n13 | 6n50 | 18s26 | 2n48 | 3n 6 |

Julian Day Number = 2138081.5, Delta T = 15m40s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'28, Lahiri = 11°53'29 Julian Calendar 1 Oct. 1141 == Greg. Calendar 8 Oct. 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## NOVEMBER 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 6 18 | 15♏15'33 | 20♏23 | 22♏ 6 | 9♏17 | 26♏45 | 9♐15 | 9°R 9 | 19♏24 | 8♏ 6 | 21°R 9 | 14°R 5 | 12♍37 | 25♐10 | 29°R51 | S 1 |
| S 2 | 3 10 15 | 16°16'14 | 2♐28 | 23°40 | 10°33 | 27°29 | 9°28 | 9♓ 8 | 19°27 | 8° 8 | 21♉ 7 | 13♍52 | 12°34 | 25°17 | 29♓50 | S 2 |
| M 3 | 3 14 11 | 17°16'57 | 14°26 | 25°13 | 11°48 | 28°13 | 9°41 | 9° 8 | 19°31 | 8°11 | 21° 6 | 13°40 | 12°31 | 25°23 | 29°48 | M 3 |
| T 4 | 3 18 8 | 18°17'41 | 26°20 | 26°45 | 13° 4 | 28°58 | 9°54 | 9° 8 | 19°35 | 8°13 | 21° 5 | 13°28 | 12°28 | 25°30 | 29°46 | T 4 |
| W 5 | 3 22 4 | 19°18'26 | 8♑10 | 28°18 | 14°19 | 29°42 | 10° 7 | 9° 8 | 19°38 | 8°15 | 21° 4 | 13°19 | 12°25 | 25°37 | 29°45 | W 5 |
| T 6 | 3 26 1 | 20°19'12 | 20° 0 | 29°51 | 15°35 | 0♐26 | 10°20 | 9°D 8 | 19°42 | 8°17 | 21° 3 | 13°12 | 12°22 | 25°44 | 29°43 | T 6 |
| F 7 | 3 29 58 | 21°19'59 | 1♒54 | 1♐23 | 16°50 | 1°10 | 10°34 | 9° 8 | 19°46 | 8°20 | 21° 2 | 13° 7 | 12°18 | 25°50 | 29°42 | F 7 |
| S 8 | 3 33 54 | 22°20'48 | 13°57 | 2°55 | 18° 6 | 1°55 | 10°47 | 9° 8 | 19°50 | 8°22 | 21° 1 | 13° 5 | 12°15 | 25°57 | 29°40 | S 8 |
| S 9 | 3 37 51 | 23°21'37 | 26°13 | 4°27 | 19°21 | 2°39 | 11° 0 | 9° 8 | 19°53 | 8°24 | 21° 0 | 13°D 5 | 12°12 | 26° 4 | 29°39 | S 9 |
| M10 | 3 41 47 | 24°22'27 | 8♓48 | 5°59 | 20°37 | 3°24 | 11°14 | 9° 9 | 19°57 | 8°26 | 20°58 | 13°R 5 | 12° 9 | 26°10 | 29°38 | M10 |
| T 11 | 3 45 44 | 25°23'18 | 21°46 | 7°31 | 21°52 | 4° 8 | 11°27 | 9° 9 | 20° 1 | 8°28 | 20°57 | 13° 5 | 12° 6 | 26°17 | 29°36 | T 11 |
| W12 | 3 49 40 | 26°24'10 | 5♈13 | 9° 2 | 23° 8 | 4°53 | 11°41 | 9°10 | 20° 4 | 8°31 | 20°56 | 13° 3 | 12° 3 | 26°24 | 29°35 | W12 |
| T 13 | 3 53 37 | 27°25'03 | 19° 9 | 10°33 | 24°23 | 5°37 | 11°54 | 9°11 | 20° 8 | 8°33 | 20°55 | 12°59 | 11°59 | 26°31 | 29°34 | T 13 |
| F 14 | 3 57 33 | 28°25'57 | 3♉34 | 12° 4 | 25°39 | 6°22 | 12° 8 | 9°11 | 20°12 | 8°35 | 20°54 | 12°52 | 11°56 | 26°37 | 29°33 | F 14 |
| S 15 | 4 1 30 | 29°26'52 | 18°25 | 13°35 | 26°54 | 7° 7 | 12°21 | 9°12 | 20°15 | 8°37 | 20°53 | 12°42 | 11°53 | 26°44 | 29°32 | S 15 |
| S 16 | 4 5 27 | 0♐27'48 | 3♊33 | 15° 6 | 28°10 | 7°51 | 12°35 | 9°13 | 20°19 | 8°39 | 20°52 | 12°31 | 11°50 | 26°51 | 29°31 | S 16 |
| M17 | 4 9 23 | 1°28'45 | 18°48 | 16°36 | 29°25 | 8°36 | 12°48 | 9°15 | 20°23 | 8°41 | 20°50 | 12°19 | 11°47 | 26°57 | 29°30 | M17 |
| T 18 | 4 13 20 | 2°29'43 | 3♋59 | 18° 5 | 0♐41 | 9°21 | 13° 2 | 9°16 | 20°26 | 8°43 | 20°49 | 12° 9 | 11°43 | 27° 4 | 29°29 | T 18 |
| W19 | 4 17 16 | 3°30'43 | 18°55 | 19°34 | 1°57 | 10° 6 | 13°15 | 9°17 | 20°30 | 8°46 | 20°48 | 12° 1 | 11°40 | 27°11 | 29°28 | W19 |
| T 20 | 4 21 13 | 4°31'43 | 3♌30 | 21° 3 | 3°12 | 10°51 | 13°29 | 9°19 | 20°34 | 8°48 | 20°47 | 11°55 | 11°37 | 27°18 | 29°27 | T 20 |
| F 21 | 4 25 9 | 5°32'44 | 17°40 | 22°31 | 4°28 | 11°36 | 13°43 | 9°20 | 20°37 | 8°50 | 20°46 | 11°53 | 11°34 | 27°24 | 29°26 | F 21 |
| S 22 | 4 29 6 | 6°33'47 | 1♍23 | 23°58 | 5°43 | 12°21 | 13°56 | 9°22 | 20°41 | 8°52 | 20°45 | 11°52 | 11°31 | 27°31 | 29°26 | S 22 |
| S 23 | 4 33 2 | 7°34'51 | 14°43 | 25°24 | 6°59 | 13° 6 | 14°10 | 9°24 | 20°44 | 8°54 | 20°44 | 11°52 | 11°28 | 27°38 | 29°25 | S 23 |
| M24 | 4 36 59 | 8°35'55 | 27°41 | 26°48 | 8°14 | 13°52 | 14°24 | 9°26 | 20°48 | 8°56 | 20°43 | 11°51 | 11°24 | 27°45 | 29°25 | M24 |
| T 25 | 4 40 56 | 9°37'01 | 10♎22 | 28°12 | 9°30 | 14°37 | 14°37 | 9°28 | 20°52 | 8°58 | 20°42 | 11°49 | 11°21 | 27°51 | 29°24 | T 25 |
| W26 | 4 44 52 | 10°38'08 | 22°49 | 29°33 | 10°45 | 15°22 | 14°51 | 9°30 | 20°55 | 9° 0 | 20°41 | 11°44 | 11°18 | 27°58 | 29°23 | W26 |
| T 27 | 4 48 49 | 11°39'15 | 5♏ 6 | 0♑53 | 12° 1 | 16° 7 | 15° 5 | 9°32 | 20°59 | 9° 2 | 20°40 | 11°36 | 11°15 | 28° 5 | 29°23 | T 27 |
| F 28 | 4 52 45 | 12°40'24 | 17°14 | 2°10 | 13°16 | 16°53 | 15°19 | 9°34 | 21° 2 | 9° 4 | 20°39 | 11°24 | 11°12 | 28°11 | 29°23 | F 28 |
| S 29 | 4 56 42 | 13°41'33 | 29°17 | 3°25 | 14°32 | 17°38 | 15°32 | 9°37 | 21° 6 | 9° 6 | 20°38 | 11°11 | 11° 9 | 28°18 | 29°22 | S 29 |
| S 30 | 5 0 38 | 14♐42'42 | 11♐15 | 4♑36 | 15♐47 | 18♐24 | 15♐46 | 9♓39 | 21♏ 9 | 9♏ 8 | 20♉37 | 10♍56 | 11♍ 5 | 28♐25 | 29♓22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s29 | 13s28 | 4n38 | 19s26 | 1s 6 | 13s49 | 0n53 | 19s55 | 0s25 | 21s35 | 0n22 | 10s16 | 2s15 | 17s25 | 0n15 | 12s35 | 1n47 | 5n25 | 13s 9 | 6n18 | 6n51 | 18s26 | 2n47 | 3n 6 |
| S 2 | 16 47 | 15 54 | 4 57 | 19 56 | 1 11 | 14 15 | 0 51 | 20 6 | 0 25 | 21 37 | 0 21 | 10 16 | 2 15 | 17 26 | 0 15 | 12 36 | 1 47 | 5 24 | 13 9 | 6 22 | 6 52 | 18 27 | 2 46 | 3 5 |
| M 3 | 17 4 | 17 38 | 5 2 | 20 24 | 1 17 | 14 40 | 0 49 | 20 17 | 0 26 | 21 39 | 0 21 | 10 16 | 2 15 | 17 27 | 0 15 | 12 37 | 1 47 | 5 24 | 13 9 | 6 27 | 6 54 | 18 27 | 2 45 | 3 5 |
| T 4 | 17 21 | 18 35 | 4 55 | 20 52 | 1 23 | 15 5 | 0 47 | 20 27 | 0 27 | 21 41 | 0 21 | 10 15 | 2 14 | 17 28 | 0 15 | 12 37 | 1 47 | 5 24 | 13 9 | 6 32 | 6 55 | 18 28 | 2 44 | 3 5 |
| W 5 | 17 38 | 18 43 | 4 35 | 21 18 | 1 28 | 15 29 | 0 45 | 20 37 | 0 27 | 21 43 | 0 21 | 10 15 | 2 14 | 17 29 | 0 15 | 12 38 | 1 47 | 5 24 | 13 9 | 6 35 | 6 56 | 18 28 | 2 43 | 3 5 |
| T 6 | 17 54 | 18 3 | 4 3 | 21 44 | 1 33 | 15 54 | 0 43 | 20 47 | 0 28 | 21 45 | 0 21 | 10 15 | 2 14 | 17 30 | 0 15 | 12 39 | 1 47 | 5 23 | 13 9 | 6 38 | 6 57 | 18 28 | 2 43 | 3 5 |
| F 7 | 18 11 | 16 34 | 3 20 | 22 8 | 1 38 | 16 17 | 0 41 | 20 57 | 0 28 | 21 47 | 0 21 | 10 15 | 2 14 | 17 31 | 0 15 | 12 39 | 1 47 | 5 23 | 13 9 | 6 40 | 6 58 | 18 29 | 2 42 | 3 4 |
| S 8 | 18 26 | 14 21 | 2 28 | 22 31 | 1 43 | 16 41 | 0 39 | 21 7 | 0 29 | 21 49 | 0 21 | 10 15 | 2 14 | 17 32 | 0 15 | 12 40 | 1 47 | 5 23 | 13 9 | 6 40 | 7 0 | 18 29 | 2 41 | 3 4 |
| S 9 | 18 42 | 11 27 | 1 28 | 22 53 | 1 48 | 17 4 | 0 37 | 21 16 | 0 29 | 21 51 | 0 21 | 10 14 | 2 14 | 17 33 | 0 15 | 12 41 | 1 47 | 5 23 | 13 9 | 6 41 | 7 1 | 18 30 | 2 40 | 3 4 |
| M10 | 18 57 | 7 57 | 0 23 | 23 14 | 1 52 | 17 26 | 0 34 | 21 25 | 0 30 | 21 53 | 0 21 | 10 14 | 2 13 | 17 34 | 0 15 | 12 41 | 1 47 | 5 22 | 13 9 | 6 40 | 7 2 | 18 30 | 2 40 | 3 4 |
| T 11 | 19 12 | 3 59 | 0s46 | 23 34 | 1 56 | 17 48 | 0 32 | 21 34 | 0 31 | 21 55 | 0 20 | 10 14 | 2 13 | 17 35 | 0 15 | 12 42 | 1 47 | 5 22 | 13 9 | 6 41 | 7 3 | 18 31 | 2 39 | 3 4 |
| W12 | 19 26 | 0n20 | 1 54 | 23 53 | 2 0 | 18 9 | 0 30 | 21 43 | 0 31 | 21 57 | 0 20 | 10 13 | 2 13 | 17 36 | 0 15 | 12 43 | 1 47 | 5 22 | 13 9 | 6 41 | 7 5 | 18 31 | 2 38 | 3 3 |
| T 13 | 19 40 | 4 47 | 2 59 | 24 10 | 2 3 | 18 30 | 0 28 | 21 52 | 0 32 | 21 59 | 0 20 | 10 13 | 2 13 | 17 37 | 0 15 | 12 44 | 1 47 | 5 22 | 13 9 | 6 43 | 7 6 | 18 31 | 2 37 | 3 3 |
| F 14 | 19 54 | 9 6 | 3 54 | 24 26 | 2 7 | 18 51 | 0 25 | 22 0 | 0 32 | 22 1 | 0 20 | 10 12 | 2 13 | 17 38 | 0 15 | 12 44 | 1 47 | 5 21 | 13 9 | 6 46 | 7 7 | 18 32 | 2 37 | 3 3 |
| S 15 | 20 7 | 12 59 | 4 34 | 24 41 | 2 10 | 19 11 | 0 23 | 22 8 | 0 33 | 22 3 | 0 20 | 10 12 | 2 12 | 17 39 | 0 15 | 12 45 | 1 47 | 5 21 | 13 9 | 6 49 | 7 8 | 18 32 | 2 36 | 3 3 |
| S 16 | 20 20 | 16 6 | 4 57 | 24 54 | 2 12 | 19 30 | 0 21 | 22 16 | 0 33 | 22 5 | 0 20 | 10 11 | 2 12 | 17 40 | 0 15 | 12 46 | 1 47 | 5 21 | 13 9 | 6 54 | 7 9 | 18 32 | 2 36 | 3 2 |
| M17 | 20 33 | 18 7 | 4 59 | 25 6 | 2 14 | 19 49 | 0 18 | 22 24 | 0 34 | 22 6 | 0 20 | 10 11 | 2 12 | 17 41 | 0 15 | 12 46 | 1 47 | 5 21 | 13 9 | 6 58 | 7 11 | 18 33 | 2 35 | 3 2 |
| T 18 | 20 45 | 18 50 | 4 39 | 25 16 | 2 16 | 20 7 | 0 16 | 22 31 | 0 34 | 22 8 | 0 20 | 10 10 | 2 12 | 17 42 | 0 15 | 12 47 | 1 47 | 5 21 | 13 9 | 7 2 | 7 12 | 18 33 | 2 34 | 3 2 |
| W19 | 20 57 | 18 14 | 4 1 | 25 25 | 2 18 | 20 25 | 0 14 | 22 39 | 0 35 | 22 10 | 0 20 | 10 9 | 2 12 | 17 43 | 0 15 | 12 47 | 1 47 | 5 21 | 13 8 | 7 5 | 7 13 | 18 34 | 2 34 | 3 2 |
| T 20 | 21 9 | 16 25 | 3 8 | 25 33 | 2 19 | 20 42 | 0 11 | 22 46 | 0 36 | 22 12 | 0 20 | 10 9 | 2 11 | 17 44 | 0 15 | 12 48 | 1 47 | 5 20 | 13 8 | 7 7 | 7 14 | 18 34 | 2 33 | 3 2 |
| F 21 | 21 20 | 13 38 | 2 4 | 25 39 | 2 19 | 20 59 | 0 9 | 22 52 | 0 36 | 22 14 | 0 19 | 10 8 | 2 11 | 17 45 | 0 15 | 12 49 | 1 47 | 5 20 | 13 8 | 7 8 | 7 15 | 18 34 | 2 33 | 3 1 |
| S 22 | 21 30 | 10 10 | 0 55 | 25 43 | 2 19 | 21 15 | 0 7 | 22 59 | 0 37 | 22 15 | 0 19 | 10 7 | 2 11 | 17 46 | 0 15 | 12 49 | 1 47 | 5 20 | 13 8 | 7 9 | 7 17 | 18 35 | 2 32 | 3 1 |
| S 23 | 21 40 | 6 17 | 0n15 | 25 46 | 2 18 | 21 30 | 0 4 | 23 5 | 0 37 | 22 17 | 0 19 | 10 6 | 2 11 | 17 47 | 0 15 | 12 50 | 1 47 | 5 20 | 13 8 | 7 9 | 7 18 | 18 35 | 2 32 | 3 1 |
| M24 | 21 50 | 2 11 | 1 23 | 25 48 | 2 17 | 21 45 | 0 2 | 23 11 | 0 38 | 22 19 | 0 19 | 10 5 | 2 11 | 17 48 | 0 15 | 12 51 | 1 47 | 5 20 | 13 8 | 7 9 | 7 19 | 18 35 | 2 31 | 3 1 |
| T 25 | 22 0 | 1s55 | 2 24 | 25 47 | 2 15 | 21 59 | 0s 1 | 23 17 | 0 38 | 22 20 | 0 19 | 10 4 | 2 11 | 17 49 | 0 15 | 12 51 | 1 47 | 5 20 | 13 8 | 7 10 | 7 20 | 18 36 | 2 31 | 3 0 |
| W26 | 22 9 | 5 51 | 3 18 | 25 46 | 2 13 | 22 12 | 0 3 | 23 23 | 0 39 | 22 22 | 0 19 | 10 3 | 2 10 | 17 50 | 0 15 | 12 52 | 1 47 | 5 19 | 13 8 | 7 12 | 7 22 | 18 36 | 2 31 | 3 0 |
| T 27 | 22 17 | 9 29 | 4 2 | 25 42 | 2 10 | 22 25 | 0 5 | 23 28 | 0 39 | 22 24 | 0 19 | 10 2 | 2 10 | 17 51 | 0 15 | 12 52 | 1 47 | 5 19 | 13 8 | 7 15 | 7 23 | 18 36 | 2 30 | 3 0 |
| F 28 | 22 25 | 12 41 | 4 34 | 25 37 | 2 6 | 22 37 | 0 8 | 23 33 | 0 40 | 22 25 | 0 19 | 10 1 | 2 10 | 17 52 | 0 15 | 12 53 | 1 47 | 5 19 | 13 7 | 7 19 | 7 24 | 18 37 | 2 30 | 3 0 |
| S 29 | 22 33 | 15 19 | 4 53 | 25 31 | 2 1 | 22 49 | 0 10 | 23 38 | 0 40 | 22 27 | 0 19 | 10 0 | 2 10 | 17 52 | 0 15 | 12 54 | 1 48 | 5 19 | 13 7 | 7 24 | 7 25 | 18 37 | 2 30 | 3 0 |
| S 30 | 22s40 | 17s17 | 4n59 | 25s23 | 1s55 | 23s 0 | 0s12 | 23s43 | 0s41 | 22s29 | 0n19 | 9s59 | 2s10 | 17s53 | 0n15 | 12s54 | 1n48 | 5n19 | 13s 7 | 7n30 | 7n26 | 18s38 | 2n29 | 2n59 |

Julian Day Number = 2138112.5, Delta T = 15m39s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'33, Lahiri = 11°53'33 Julian Calendar 1 Nov. 1141 == Greg. Calendar 8 Nov. 1141


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# ASTRODIENST EPHEMERIS for the year 1141
# geocentric

## DECEMBER 1141 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 4 35 | 15♐43'53 | 23♐ 8 | 5♑44 | 17♐ 3 | 19♐ 9 | 16♐ 0 | 9♓42 | 21♏13 | 9♏10 | 20°R35 | 10°R40 | 11♍ 2 | 28♐32 | 29°R22 | M 1 |
| T 2 | 5 8 31 | 16°45'03 | 5♑ 0 | 6°48 | 18°18 | 19°55 | 16°14 | 9°45 | 21°16 | 9°11 | 20♉34 | 10♍26 | 10°59 | 28°38 | 29♓22 | T 2 |
| W 3 | 5 12 28 | 17°46'14 | 16°50 | 7°47 | 19°34 | 20°40 | 16°27 | 9°47 | 21°20 | 9°13 | 20°33 | 10°14 | 10°56 | 28°45 | 29°22 | W 3 |
| T 4 | 5 16 25 | 18°47'26 | 28°42 | 8°40 | 20°50 | 21°26 | 16°41 | 9°50 | 21°23 | 9°15 | 20°32 | 10° 4 | 10°53 | 28°52 | 29°D22 | T 4 |
| F 5 | 5 20 21 | 19°48'37 | 10♒37 | 9°26 | 22° 5 | 22°12 | 16°55 | 9°53 | 21°26 | 9°17 | 20°32 | 9°58 | 10°49 | 28°58 | 29°22 | F 5 |
| S 6 | 5 24 18 | 20°49'49 | 22°40 | 10° 6 | 23°21 | 22°57 | 17° 9 | 9°56 | 21°30 | 9°19 | 20°31 | 9°55 | 10°46 | 29° 5 | 29°22 | S 6 |
| S 7 | 5 28 14 | 21°51'00 | 4♓54 | 10°37 | 24°36 | 23°43 | 17°22 | 10° 0 | 21°33 | 9°21 | 20°30 | 9°D54 | 10°43 | 29°12 | 29°22 | S 7 |
| M 8 | 5 32 11 | 22°52'12 | 17°24 | 10°59 | 25°52 | 24°29 | 17°36 | 10° 3 | 21°36 | 9°22 | 20°29 | 9°R54 | 10°40 | 29°19 | 29°22 | M 8 |
| T 9 | 5 36 7 | 23°53'23 | 0♈16 | 11°11 | 27° 7 | 25°15 | 17°50 | 10° 6 | 21°40 | 9°24 | 20°28 | 9°54 | 10°37 | 29°25 | 29°22 | T 9 |
| W10 | 5 40 4 | 24°54'35 | 13°33 | 11°R12 | 28°23 | 26° 1 | 18° 3 | 10°10 | 21°43 | 9°26 | 20°27 | 9°52 | 10°34 | 29°32 | 29°23 | W10 |
| T 11 | 5 44 0 | 25°55'46 | 27°19 | 11° 2 | 29°38 | 26°47 | 18°17 | 10°13 | 21°46 | 9°27 | 20°26 | 9°49 | 10°30 | 29°39 | 29°23 | T 11 |
| F 12 | 5 47 57 | 26°56'57 | 11♉36 | 10°40 | 0♑53 | 27°33 | 18°31 | 10°17 | 21°49 | 9°29 | 20°25 | 9°43 | 10°27 | 29°45 | 29°23 | F 12 |
| S 13 | 5 51 54 | 27°58'08 | 26°21 | 10° 6 | 2° 9 | 28°19 | 18°44 | 10°21 | 21°53 | 9°31 | 20°24 | 9°34 | 10°24 | 29°52 | 29°24 | S 13 |
| S 14 | 5 55 50 | 28°59'19 | 11♊29 | 9°21 | 3°24 | 29° 5 | 18°58 | 10°25 | 21°56 | 9°32 | 20°23 | 9°24 | 10°21 | 29°59 | 29°25 | S 14 |
| M15 | 5 59 47 | 0♑ 0'29 | 26°49 | 8°25 | 4°40 | 29°51 | 19°12 | 10°29 | 21°59 | 9°34 | 20°22 | 9°13 | 10°18 | 0♑ 6 | 29°25 | M15 |
| T 16 | 6 3 43 | 1° 1'40 | 12♋11 | 7°20 | 5°55 | 0♑37 | 19°25 | 10°33 | 22° 2 | 9°36 | 20°22 | 9° 3 | 10°15 | 0°12 | 29°26 | T 16 |
| W17 | 6 7 40 | 2° 2'50 | 27°23 | 6° 7 | 7°11 | 1°23 | 19°39 | 10°37 | 22° 5 | 9°37 | 20°21 | 8°55 | 10°11 | 0°19 | 29°26 | W17 |
| T 18 | 6 11 36 | 3° 4'01 | 12♌14 | 4°49 | 8°26 | 2° 9 | 19°53 | 10°41 | 22° 8 | 9°39 | 20°20 | 8°50 | 10° 8 | 0°26 | 29°27 | T 18 |
| F 19 | 6 15 33 | 4° 5'11 | 26°39 | 3°29 | 9°42 | 2°56 | 20° 6 | 10°45 | 22°11 | 9°40 | 20°19 | 8°47 | 10° 5 | 0°32 | 29°28 | F 19 |
| S 20 | 6 19 30 | 5° 6'22 | 10♍35 | 2° 9 | 10°57 | 3°42 | 20°20 | 10°50 | 22°14 | 9°42 | 20°18 | 8°D46 | 10° 2 | 0°39 | 29°29 | S 20 |
| S 21 | 6 23 26 | 6° 7'32 | 24° 3 | 0°51 | 12°12 | 4°28 | 20°33 | 10°54 | 22°17 | 9°43 | 20°18 | 8°47 | 9°59 | 0°46 | 29°30 | S 21 |
| M22 | 6 27 23 | 7° 8'43 | 7♎ 5 | 29♐38 | 13°28 | 5°14 | 20°47 | 10°59 | 22°20 | 9°45 | 20°17 | 8°R47 | 9°55 | 0°53 | 29°31 | M22 |
| T 23 | 6 31 19 | 8° 9'53 | 19°45 | 28°32 | 14°43 | 6° 1 | 21° 0 | 11° 3 | 22°23 | 9°46 | 20°16 | 8°47 | 9°52 | 0°59 | 29°32 | T 23 |
| W24 | 6 35 16 | 9°11'03 | 2♏ 9 | 27°34 | 15°59 | 6°47 | 21°14 | 11° 8 | 22°26 | 9°47 | 20°15 | 8°44 | 9°49 | 1° 6 | 29°33 | W24 |
| T 25 | 6 39 12 | 10°12'13 | 14°19 | 26°45 | 17°14 | 7°34 | 21°27 | 11°13 | 22°28 | 9°49 | 20°15 | 8°38 | 9°46 | 1°13 | 29°34 | T 25 |
| F 26 | 6 43 9 | 11°13'23 | 26°20 | 26° 5 | 18°29 | 8°20 | 21°41 | 11°18 | 22°31 | 9°50 | 20°14 | 8°31 | 9°43 | 1°19 | 29°35 | F 26 |
| S 27 | 6 47 5 | 12°14'33 | 8♐16 | 25°35 | 19°45 | 9° 7 | 21°54 | 11°23 | 22°34 | 9°51 | 20°13 | 8°21 | 9°40 | 1°26 | 29°37 | S 27 |
| S 28 | 6 51 2 | 13°15'42 | 20° 8 | 25°15 | 21° 0 | 9°53 | 22° 7 | 11°28 | 22°37 | 9°53 | 20°13 | 8°10 | 9°36 | 1°33 | 29°38 | S 28 |
| M29 | 6 54 59 | 14°16'51 | 1♑59 | 25° 4 | 22°15 | 10°40 | 22°20 | 11°33 | 22°39 | 9°54 | 20°12 | 7°58 | 9°33 | 1°40 | 29°39 | M29 |
| T 30 | 6 58 55 | 15°17'59 | 13°51 | 25°D 1 | 23°31 | 11°27 | 22°34 | 11°38 | 22°42 | 9°55 | 20°12 | 7°48 | 9°30 | 1°46 | 29°41 | T 30 |
| W31 | 7 2 52 | 16♑19'07 | 25♑45 | 25♐ 7 | 24♑46 | 12♑13 | 22♐47 | 11♓43 | 22♏44 | 9♏56 | 20♉11 | 7♍38 | 9♍27 | 1♑53 | 29♓42 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s47 | 18s30 | 4n52 | 25s14 | 1s48 | 23s10 | 0s15 | 23s47 | 0s41 | 22s30 | 0n19 | 9s58 | 2s 9 | 17s54 | 0n15 | 12s55 | 1n48 | 5n19 | 13s 7 | 7n36 | 7n28 | 18s38 | 2n29 | 2n59 |
| T 2 | 22 53 | 18 55 | 4 33 | 25 3 | 1 41 | 23 19 | 0 17 | 23 51 | 0 42 | 22 32 | 0 18 | 9 57 | 2 9 | 17 55 | 0 15 | 12 55 | 1 48 | 5 19 | 13 7 | 7 41 | 7 29 | 18 38 | 2 29 | 2 59 |
| W 3 | 22 59 | 18 29 | 4 1 | 24 51 | 1 32 | 23 28 | 0 19 | 23 55 | 0 42 | 22 33 | 0 18 | 9 55 | 2 9 | 17 56 | 0 15 | 12 56 | 1 48 | 5 19 | 13 7 | 7 46 | 7 30 | 18 39 | 2 28 | 2 59 |
| T 4 | 23 4 | 17 16 | 3 19 | 24 37 | 1 22 | 23 36 | 0 22 | 23 59 | 0 43 | 22 35 | 0 18 | 9 54 | 2 9 | 17 57 | 0 15 | 12 56 | 1 48 | 5 19 | 13 7 | 7 50 | 7 31 | 18 39 | 2 28 | 2 58 |
| F 5 | 23 9 | 15 16 | 2 28 | 24 23 | 1 11 | 23 43 | 0 24 | 24 2 | 0 43 | 22 36 | 0 18 | 9 53 | 2 9 | 17 58 | 0 15 | 12 57 | 1 48 | 5 18 | 13 6 | 7 52 | 7 32 | 18 39 | 2 28 | 2 58 |
| S 6 | 23 14 | 12 36 | 1 30 | 24 8 | 0 58 | 23 49 | 0 26 | 24 5 | 0 44 | 22 37 | 0 18 | 9 51 | 2 9 | 17 59 | 0 15 | 12 58 | 1 48 | 5 18 | 13 6 | 7 53 | 7 34 | 18 40 | 2 28 | 2 58 |
| S 7 | 23 18 | 9 21 | 0 26 | 23 52 | 0 45 | 23 55 | 0 29 | 24 8 | 0 44 | 22 39 | 0 18 | 9 50 | 2 8 | 18 0 | 0 15 | 12 58 | 1 48 | 5 18 | 13 6 | 7 54 | 7 35 | 18 40 | 2 28 | 2 58 |
| M 8 | 23 21 | 5 36 | 0s40 | 23 35 | 0 30 | 24 0 | 0 31 | 24 11 | 0 45 | 22 40 | 0 18 | 9 49 | 2 8 | 18 1 | 0 15 | 12 59 | 1 48 | 5 18 | 13 6 | 7 54 | 7 36 | 18 40 | 2 28 | 2 58 |
| T 9 | 23 24 | 1 31 | 1 46 | 23 18 | 0 14 | 24 4 | 0 33 | 24 13 | 0 45 | 22 42 | 0 18 | 9 47 | 2 8 | 18 1 | 0 15 | 12 59 | 1 48 | 5 18 | 13 6 | 7 54 | 7 37 | 18 40 | 2 28 | 2 57 |
| W10 | 23 27 | 2n47 | 2 48 | 23 1 | 0n 3 | 24 8 | 0 35 | 24 15 | 0 46 | 22 43 | 0 18 | 9 46 | 2 8 | 18 2 | 0 15 | 13 0 | 1 48 | 5 18 | 13 5 | 7 54 | 7 38 | 18 41 | 2 27 | 2 57 |
| T 11 | 23 29 | 7 6 | 3 43 | 22 44 | 0 21 | 24 10 | 0 38 | 24 17 | 0 46 | 22 44 | 0 18 | 9 44 | 2 8 | 18 3 | 0 15 | 13 0 | 1 48 | 5 18 | 13 5 | 7 55 | 7 40 | 18 41 | 2 27 | 2 57 |
| F 12 | 23 31 | 11 9 | 4 27 | 22 27 | 0 40 | 24 12 | 0 40 | 24 18 | 0 47 | 22 45 | 0 17 | 9 43 | 2 7 | 18 4 | 0 15 | 13 1 | 1 48 | 5 18 | 13 5 | 7 58 | 7 41 | 18 41 | 2 27 | 2 57 |
| S 13 | 23 32 | 14 40 | 4 54 | 22 10 | 1 0 | 24 14 | 0 42 | 24 19 | 0 47 | 22 47 | 0 17 | 9 41 | 2 7 | 18 5 | 0 15 | 13 1 | 1 48 | 5 18 | 13 5 | 8 1 | 7 42 | 18 42 | 2 27 | 2 56 |
| S 14 | 23 33 | 17 17 | 5 2 | 21 54 | 1 19 | 24 14 | 0 44 | 24 20 | 0 48 | 22 48 | 0 17 | 9 39 | 2 7 | 18 6 | 0 15 | 13 2 | 1 48 | 5 18 | 13 5 | 8 5 | 7 43 | 18 42 | 2 27 | 2 56 |
| M15 | 23 33 | 18 43 | 4 48 | 21 38 | 1 39 | 24 14 | 0 46 | 24 21 | 0 48 | 22 49 | 0 17 | 9 38 | 2 7 | 18 6 | 0 15 | 13 2 | 1 48 | 5 18 | 13 4 | 8 9 | 7 45 | 18 42 | 2 27 | 2 56 |
| T 16 | 23 33 | 18 47 | 4 13 | 21 23 | 1 58 | 24 13 | 0 48 | 24 21 | 0 49 | 22 50 | 0 17 | 9 36 | 2 7 | 18 7 | 0 15 | 13 2 | 1 48 | 5 18 | 13 4 | 8 13 | 7 46 | 18 43 | 2 27 | 2 56 |
| W17 | 23 32 | 17 29 | 3 21 | 21 9 | 2 15 | 24 11 | 0 50 | 24 21 | 0 49 | 22 52 | 0 17 | 9 34 | 2 7 | 18 8 | 0 15 | 13 3 | 1 48 | 5 18 | 13 4 | 8 16 | 7 47 | 18 43 | 2 27 | 2 56 |
| T 18 | 23 31 | 15 2 | 2 16 | 20 56 | 2 32 | 24 9 | 0 52 | 24 21 | 0 49 | 22 53 | 0 17 | 9 33 | 2 6 | 18 9 | 0 15 | 13 3 | 1 48 | 5 18 | 13 4 | 8 18 | 7 48 | 18 43 | 2 28 | 2 55 |
| F 19 | 23 29 | 11 41 | 1 4 | 20 44 | 2 46 | 24 5 | 0 54 | 24 21 | 0 50 | 22 54 | 0 17 | 9 31 | 2 6 | 18 10 | 0 15 | 13 4 | 1 48 | 5 18 | 13 4 | 8 19 | 7 49 | 18 43 | 2 28 | 2 55 |
| S 20 | 23 27 | 7 47 | 0n10 | 20 34 | 2 58 | 24 1 | 0 56 | 24 20 | 0 50 | 22 55 | 0 17 | 9 29 | 2 6 | 18 10 | 0 15 | 13 4 | 1 48 | 5 18 | 13 3 | 8 19 | 7 51 | 18 44 | 2 28 | 2 55 |
| S 21 | 23 24 | 3 36 | 1 21 | 20 25 | 3 8 | 23 57 | 0 58 | 24 19 | 0 51 | 22 56 | 0 17 | 9 27 | 2 6 | 18 11 | 0 15 | 13 5 | 1 48 | 5 18 | 13 3 | 8 19 | 7 52 | 18 44 | 2 28 | 2 55 |
| M22 | 23 21 | 0s36 | 2 25 | 20 18 | 3 15 | 23 51 | 1 0 | 24 18 | 0 51 | 22 57 | 0 17 | 9 25 | 2 6 | 18 12 | 0 15 | 13 5 | 1 48 | 5 18 | 13 3 | 8 19 | 7 53 | 18 44 | 2 28 | 2 54 |
| T 23 | 23 18 | 4 40 | 3 21 | 20 13 | 3 19 | 23 45 | 1 1 | 24 16 | 0 52 | 22 58 | 0 17 | 9 23 | 2 6 | 18 13 | 0 15 | 13 5 | 1 49 | 5 18 | 13 3 | 8 19 | 7 54 | 18 45 | 2 28 | 2 54 |
| W24 | 23 14 | 8 26 | 4 5 | 20 10 | 3 22 | 23 38 | 1 3 | 24 14 | 0 52 | 22 59 | 0 16 | 9 21 | 2 6 | 18 13 | 0 15 | 13 6 | 1 49 | 5 18 | 13 2 | 8 20 | 7 55 | 18 45 | 2 29 | 2 54 |
| T 25 | 23 9 | 11 47 | 4 38 | 20 9 | 3 22 | 23 30 | 1 5 | 24 12 | 0 52 | 23 0 | 0 16 | 9 19 | 2 5 | 18 14 | 0 15 | 13 6 | 1 49 | 5 18 | 13 2 | 8 22 | 7 57 | 18 45 | 2 29 | 2 54 |
| F 26 | 23 4 | 14 36 | 4 58 | 20 10 | 3 20 | 23 22 | 1 6 | 24 10 | 0 53 | 23 1 | 0 16 | 9 17 | 2 5 | 18 15 | 0 15 | 13 7 | 1 49 | 5 18 | 13 2 | 8 25 | 7 58 | 18 45 | 2 29 | 2 54 |
| S 27 | 22 59 | 16 46 | 5 5 | 20 12 | 3 16 | 23 12 | 1 8 | 24 7 | 0 53 | 23 2 | 0 16 | 9 15 | 2 5 | 18 15 | 0 15 | 13 7 | 1 49 | 5 18 | 13 2 | 8 29 | 7 59 | 18 46 | 2 29 | 2 53 |
| S 28 | 22 53 | 18 14 | 4 58 | 20 16 | 3 11 | 23 3 | 1 9 | 24 4 | 0 54 | 23 3 | 0 16 | 9 13 | 2 5 | 18 16 | 0 15 | 13 7 | 1 49 | 5 19 | 13 1 | 8 33 | 8 0 | 18 46 | 2 30 | 2 53 |
| M29 | 22 47 | 18 53 | 4 39 | 20 22 | 3 5 | 22 52 | 1 11 | 24 1 | 0 54 | 23 3 | 0 16 | 9 11 | 2 5 | 18 17 | 0 15 | 13 8 | 1 49 | 5 19 | 13 1 | 8 37 | 8 1 | 18 46 | 2 30 | 2 53 |
| T 30 | 22 40 | 18 44 | 4 7 | 20 29 | 2 58 | 22 41 | 1 12 | 23 57 | 0 54 | 23 4 | 0 16 | 9 9 | 2 5 | 18 17 | 0 15 | 13 8 | 1 49 | 5 19 | 13 1 | 8 41 | 8 3 | 18 46 | 2 31 | 2 53 |
| W31 | 22s33 | 17s44 | 3n25 | 20s38 | 2n50 | 22s29 | 1s14 | 23s54 | 0s55 | 23s 5 | 0n16 | 9s 7 | 2s 5 | 18s18 | 0n15 | 13s 8 | 1n49 | 5n19 | 13s 1 | 8n44 | 8n 4 | 18s47 | 2n31 | 2n52 |

Julian Day Number = 2138142.5, Delta T = 15m39s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'37, Lahiri = 11°53'37 Julian Calendar 1 Dec. 1141 == Greg. Calendar 8 Dec. 1141


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## JANUARY 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 6 48 | 17♉20'14 | 7♒42 | 25♐21 | 26♉ 1 | 13♉ 0 | 23♐ 0 | 11♓49 | 22♏47 | 9♏57 | 20°R10 | 7°R32 | 9♍24 | 2♉ 0 | 29♓44 | T 1 |
| F 2 | 7 10 45 | 18°21'20 | 19°44 | 25°41 | 27°17 | 13°47 | 23°13 | 11°54 | 22°50 | 9°58 | 20♉10 | 7♍28 | 9°21 | 2° 6 | 29°45 | F 2 |
| S 3 | 7 14 41 | 19°22'25 | 1♓54 | 26° 8 | 28°32 | 14°33 | 23°26 | 12° 0 | 22°52 | 9°59 | 20° 9 | 7°D26 | 9°17 | 2°13 | 29°47 | S 3 |
| S 4 | 7 18 38 | 20°23'29 | 14°15 | 26°40 | 29°47 | 15°20 | 23°39 | 12° 5 | 22°54 | 10° 1 | 20° 9 | 7°26 | 9°14 | 2°20 | 29°48 | S 4 |
| M 5 | 7 22 34 | 21°24'32 | 26°49 | 27°18 | 1♒ 3 | 16° 7 | 23°52 | 12°11 | 22°57 | 10° 2 | 20° 8 | 7°27 | 9°11 | 2°27 | 29°50 | M 5 |
| T 6 | 7 26 31 | 22°25'34 | 9♈40 | 28° 1 | 2°18 | 16°54 | 24° 5 | 12°16 | 22°59 | 10° 2 | 20° 8 | 7°28 | 9° 8 | 2°33 | 29°52 | T 6 |
| W 7 | 7 30 28 | 23°26'35 | 22°52 | 28°48 | 3°33 | 17°40 | 24°18 | 12°22 | 23° 1 | 10° 3 | 20° 8 | 7°R29 | 9° 5 | 2°40 | 29°54 | W 7 |
| T 8 | 7 34 24 | 24°27'35 | 6♉29 | 29°39 | 4°48 | 18°27 | 24°31 | 12°28 | 23° 4 | 10° 4 | 20° 7 | 7°28 | 9° 1 | 2°47 | 29°56 | T 8 |
| F 9 | 7 38 21 | 25°28'33 | 20°31 | 0♊33 | 6° 4 | 19°14 | 24°44 | 12°34 | 23° 6 | 10° 5 | 20° 7 | 7°26 | 8°58 | 2°53 | 29°57 | F 9 |
| S 10 | 7 42 17 | 26°29'30 | 4♊59 | 1°31 | 7°19 | 20° 1 | 24°57 | 12°40 | 23° 8 | 10° 6 | 20° 6 | 7°21 | 8°55 | 3° 0 | 29°59 | S 10 |
| S 11 | 7 46 14 | 27°30'26 | 19°49 | 2°31 | 8°34 | 20°48 | 25° 9 | 12°46 | 23°10 | 10° 7 | 20° 6 | 7°16 | 8°52 | 3° 7 | 0♈ 1 | S 11 |
| M12 | 7 50 10 | 28°31'20 | 4♋55 | 3°34 | 9°49 | 21°35 | 25°22 | 12°52 | 23°12 | 10° 8 | 20° 6 | 7°10 | 8°49 | 3°14 | 0° 4 | M12 |
| T 13 | 7 54 7 | 29°32'14 | 20° 6 | 4°40 | 11° 4 | 22°22 | 25°35 | 12°58 | 23°14 | 10° 8 | 20° 5 | 7° 4 | 8°46 | 3°20 | 0° 6 | T 13 |
| W14 | 7 58 3 | 0♒33'06 | 5♌14 | 5°48 | 12°19 | 23° 9 | 25°47 | 13° 4 | 23°16 | 10° 9 | 20° 5 | 6°59 | 8°42 | 3°27 | 0° 8 | W14 |
| T 15 | 8 2 0 | 1°33'57 | 20° 8 | 6°58 | 13°34 | 23°56 | 26° 0 | 13°10 | 23°18 | 10°10 | 20° 5 | 6°56 | 8°39 | 3°34 | 0°10 | T 15 |
| F 16 | 8 5 57 | 2°34'46 | 4♍41 | 8° 9 | 14°50 | 24°43 | 26°12 | 13°16 | 23°20 | 10°11 | 20° 4 | 6°D55 | 8°36 | 3°40 | 0°12 | F 16 |
| S 17 | 8 9 53 | 3°35'35 | 18°48 | 9°23 | 16° 5 | 25°30 | 26°24 | 13°23 | 23°22 | 10°11 | 20° 4 | 6°56 | 8°33 | 3°47 | 0°14 | S 17 |
| S 18 | 8 13 50 | 4°36'23 | 2♎26 | 10°38 | 17°20 | 26°17 | 26°37 | 13°29 | 23°24 | 10°12 | 20° 4 | 6°57 | 8°30 | 3°54 | 0°17 | S 18 |
| M19 | 8 17 46 | 5°37'09 | 15°38 | 11°55 | 18°35 | 27° 4 | 26°49 | 13°36 | 23°25 | 10°12 | 20° 4 | 6°59 | 8°27 | 4° 1 | 0°19 | M19 |
| T 20 | 8 21 43 | 6°37'55 | 28°25 | 13°13 | 19°50 | 27°51 | 27° 1 | 13°42 | 23°27 | 10°13 | 20° 4 | 7° 0 | 8°23 | 4° 7 | 0°21 | T 20 |
| W21 | 8 25 39 | 7°38'39 | 10♏52 | 14°33 | 21° 5 | 28°38 | 27°13 | 13°49 | 23°29 | 10°13 | 20° 4 | 7°R 0 | 8°20 | 4°14 | 0°24 | W21 |
| T 22 | 8 29 36 | 8°39'23 | 23° 4 | 15°54 | 22°20 | 29°25 | 27°25 | 13°55 | 23°30 | 10°14 | 20° 3 | 6°59 | 8°17 | 4°21 | 0°26 | T 22 |
| F 23 | 8 33 32 | 9°40'05 | 5♐ 4 | 17°16 | 23°35 | 0♒12 | 27°37 | 14° 2 | 23°32 | 10°14 | 20° 3 | 6°57 | 8°14 | 4°27 | 0°29 | F 23 |
| S 24 | 8 37 29 | 10°40'46 | 16°57 | 18°39 | 24°50 | 1° 0 | 27°49 | 14° 8 | 23°33 | 10°15 | 20° 3 | 6°54 | 8°11 | 4°34 | 0°31 | S 24 |
| S 25 | 8 41 26 | 11°41'26 | 28°48 | 20° 3 | 26° 5 | 1°47 | 28° 1 | 14°15 | 23°35 | 10°15 | 20° 3 | 6°49 | 8° 7 | 4°41 | 0°34 | S 25 |
| M26 | 8 45 22 | 12°42'05 | 10♉38 | 21°29 | 27°20 | 2°34 | 28°13 | 14°22 | 23°36 | 10°15 | 20° 3 | 6°45 | 8° 4 | 4°47 | 0°37 | M26 |
| T 27 | 8 49 19 | 13°42'42 | 22°32 | 22°55 | 28°34 | 3°21 | 28°24 | 14°29 | 23°37 | 10°16 | 20°D 3 | 6°41 | 8° 1 | 4°54 | 0°39 | T 27 |
| W28 | 8 53 15 | 14°43'18 | 4♒31 | 24°23 | 29°49 | 4° 8 | 28°36 | 14°35 | 23°39 | 10°16 | 20° 3 | 6°37 | 7°58 | 5° 1 | 0°42 | W28 |
| T 29 | 8 57 12 | 15°43'52 | 16°38 | 25°51 | 1♓ 4 | 4°55 | 28°47 | 14°42 | 23°40 | 10°16 | 20° 3 | 6°35 | 7°55 | 5° 8 | 0°45 | T 29 |
| F 30 | 9 1 8 | 16°44'25 | 28°53 | 27°21 | 2°19 | 5°43 | 28°59 | 14°49 | 23°41 | 10°16 | 20° 3 | 6°34 | 7°52 | 5°14 | 0°48 | F 30 |
| S 31 | 9 5 5 | 17♒44'56 | 11♓17 | 28♉52 | 3♓34 | 6♒30 | 29♐10 | 14♓56 | 23♏42 | 10♏16 | 20♉ 3 | 6°D34 | 7♍48 | 5♉21 | 0♈50 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s25 | 15s58 | 2n33 | 20s47 | 2n41 | 22s16 | 1s15 | 23s49 | 0s55 | 23s 6 | 0n16 | 9s 5 | 2s 4 | 18s19 | 0n15 | 13s 9 | 1n49 | 5n19 | 13s 0 | 8n47 | 8n 5 | 18s47 | 2n31 | 2n52 |
| F 2 | 22 17 | 13 29 | 1 34 | 20 57 | 2 32 | 22 3 | 1 16 | 23 45 | 0 56 | 23 7 | 0 16 | 9 3 | 2 4 | 18 19 | 0 15 | 13 9 | 1 49 | 5 19 | 13 0 | 8 49 | 8 6 | 18 47 | 2 32 | 2 52 |
| S 3 | 22 8 | 10 23 | 0 30 | 21 7 | 2 23 | 21 49 | 1 18 | 23 41 | 0 56 | 23 7 | 0 16 | 9 0 | 2 4 | 18 20 | 0 15 | 13 9 | 1 49 | 5 19 | 13 0 | 8 49 | 8 7 | 18 47 | 2 32 | 2 52 |
| S 4 | 22 0 | 6 48 | 0s37 | 21 18 | 2 13 | 21 34 | 1 19 | 23 36 | 0 56 | 23 8 | 0 16 | 8 58 | 2 4 | 18 21 | 0 15 | 13 9 | 1 49 | 5 19 | 13 0 | 8 49 | 8 9 | 18 48 | 2 33 | 2 52 |
| M 5 | 21 50 | 2 51 | 1 43 | 21 28 | 2 3 | 21 19 | 1 20 | 23 30 | 0 57 | 23 9 | 0 16 | 8 56 | 2 4 | 18 21 | 0 15 | 13 10 | 1 49 | 5 20 | 12 59 | 8 49 | 8 10 | 18 48 | 2 33 | 2 51 |
| T 6 | 21 40 | 1n19 | 2 46 | 21 39 | 1 53 | 21 3 | 1 21 | 23 25 | 0 57 | 23 10 | 0 15 | 8 54 | 2 4 | 18 22 | 0 15 | 13 10 | 1 49 | 5 20 | 12 59 | 8 48 | 8 11 | 18 48 | 2 34 | 2 51 |
| W 7 | 21 30 | 5 31 | 3 41 | 21 50 | 1 43 | 20 47 | 1 22 | 23 19 | 0 57 | 23 10 | 0 15 | 8 51 | 2 4 | 18 22 | 0 15 | 13 10 | 1 49 | 5 20 | 12 59 | 8 48 | 8 12 | 18 48 | 2 34 | 2 51 |
| T 8 | 21 20 | 9 33 | 4 26 | 22 0 | 1 32 | 20 29 | 1 23 | 23 13 | 0 58 | 23 11 | 0 15 | 8 49 | 2 4 | 18 23 | 0 15 | 13 10 | 1 49 | 5 20 | 12 58 | 8 48 | 8 13 | 18 48 | 2 35 | 2 51 |
| F 9 | 21 8 | 13 12 | 4 57 | 22 11 | 1 22 | 20 12 | 1 24 | 23 7 | 0 58 | 23 11 | 0 15 | 8 47 | 2 3 | 18 24 | 0 15 | 13 11 | 1 49 | 5 20 | 12 58 | 8 49 | 8 15 | 18 49 | 2 35 | 2 51 |
| S 10 | 20 57 | 16 9 | 5 10 | 22 20 | 1 12 | 19 53 | 1 25 | 23 1 | 0 58 | 23 12 | 0 15 | 8 44 | 2 3 | 18 24 | 0 15 | 13 11 | 1 50 | 5 20 | 12 58 | 8 51 | 8 16 | 18 49 | 2 36 | 2 50 |
| S 11 | 20 45 | 18 8 | 5 3 | 22 29 | 1 2 | 19 35 | 1 25 | 22 54 | 0 59 | 23 12 | 0 15 | 8 42 | 2 3 | 18 25 | 0 15 | 13 11 | 1 50 | 5 21 | 12 58 | 8 53 | 8 17 | 18 49 | 2 37 | 2 50 |
| M12 | 20 33 | 18 53 | 4 35 | 22 38 | 0 52 | 19 15 | 1 26 | 22 47 | 0 59 | 23 13 | 0 15 | 8 39 | 2 3 | 18 25 | 0 15 | 13 11 | 1 50 | 5 21 | 12 57 | 8 55 | 8 18 | 18 49 | 2 37 | 2 50 |
| T 13 | 20 20 | 18 17 | 3 47 | 22 45 | 0 43 | 18 55 | 1 27 | 22 39 | 0 59 | 23 14 | 0 15 | 8 37 | 2 3 | 18 26 | 0 15 | 13 11 | 1 50 | 5 21 | 12 57 | 8 57 | 8 19 | 18 50 | 2 38 | 2 50 |
| W14 | 20 7 | 16 24 | 2 44 | 22 52 | 0 33 | 18 35 | 1 27 | 22 32 | 1 0 | 23 14 | 0 15 | 8 34 | 2 3 | 18 26 | 0 15 | 13 12 | 1 50 | 5 21 | 12 57 | 8 59 | 8 21 | 18 50 | 2 39 | 2 50 |
| T 15 | 19 54 | 13 24 | 1 30 | 22 58 | 0 24 | 18 14 | 1 28 | 22 24 | 1 0 | 23 14 | 0 15 | 8 32 | 2 3 | 18 27 | 0 15 | 13 12 | 1 50 | 5 21 | 12 56 | 9 0 | 8 22 | 18 50 | 2 39 | 2 49 |
| F 16 | 19 40 | 9 39 | 0 12 | 23 3 | 0 15 | 17 52 | 1 28 | 22 16 | 1 0 | 23 15 | 0 15 | 8 29 | 2 3 | 18 27 | 0 15 | 13 12 | 1 50 | 5 22 | 12 56 | 9 1 | 8 23 | 18 50 | 2 40 | 2 49 |
| S 17 | 19 26 | 5 26 | 1n 4 | 23 7 | 0 6 | 17 30 | 1 29 | 22 8 | 1 0 | 23 15 | 0 15 | 8 27 | 2 3 | 18 28 | 0 15 | 13 12 | 1 50 | 5 22 | 12 56 | 9 0 | 8 24 | 18 50 | 2 41 | 2 49 |
| S 18 | 19 12 | 1 5 | 2 15 | 23 10 | 0s 3 | 17 7 | 1 29 | 21 59 | 1 1 | 23 16 | 0 15 | 8 24 | 2 3 | 18 28 | 0 15 | 13 12 | 1 50 | 5 22 | 12 56 | 9 0 | 8 25 | 18 51 | 2 41 | 2 49 |
| M19 | 18 57 | 3s10 | 3 16 | 23 12 | 0 11 | 16 44 | 1 29 | 21 50 | 1 1 | 23 16 | 0 14 | 8 22 | 2 2 | 18 28 | 0 15 | 13 12 | 1 50 | 5 22 | 12 55 | 8 59 | 8 26 | 18 51 | 2 42 | 2 49 |
| T 20 | 18 42 | 7 8 | 4 5 | 23 13 | 0 19 | 16 21 | 1 29 | 21 41 | 1 1 | 23 16 | 0 14 | 8 19 | 2 2 | 18 29 | 0 15 | 13 12 | 1 50 | 5 23 | 12 55 | 8 59 | 8 28 | 18 51 | 2 43 | 2 48 |
| W21 | 18 27 | 10 42 | 4 42 | 23 12 | 0 27 | 15 57 | 1 30 | 21 32 | 1 2 | 23 17 | 0 14 | 8 17 | 2 2 | 18 29 | 0 15 | 13 12 | 1 50 | 5 23 | 12 55 | 8 59 | 8 29 | 18 51 | 2 44 | 2 48 |
| T 22 | 18 11 | 13 43 | 5 4 | 23 11 | 0 35 | 15 33 | 1 30 | 21 22 | 1 2 | 23 17 | 0 14 | 8 14 | 2 2 | 18 30 | 0 15 | 13 13 | 1 50 | 5 23 | 12 54 | 8 59 | 8 30 | 18 51 | 2 45 | 2 48 |
| F 23 | 17 55 | 16 6 | 5 13 | 23 8 | 0 43 | 15 8 | 1 30 | 21 13 | 1 2 | 23 17 | 0 14 | 8 11 | 2 2 | 18 30 | 0 15 | 13 13 | 1 50 | 5 23 | 12 54 | 9 0 | 8 31 | 18 51 | 2 45 | 2 48 |
| S 24 | 17 38 | 17 47 | 5 9 | 23 4 | 0 50 | 14 43 | 1 30 | 21 3 | 1 2 | 23 18 | 0 14 | 8 9 | 2 2 | 18 30 | 0 15 | 13 13 | 1 50 | 5 24 | 12 54 | 9 1 | 8 32 | 18 52 | 2 46 | 2 48 |
| S 25 | 17 21 | 18 42 | 4 51 | 22 59 | 0 57 | 14 17 | 1 29 | 20 52 | 1 3 | 23 18 | 0 14 | 8 6 | 2 2 | 18 31 | 0 15 | 13 13 | 1 50 | 5 24 | 12 53 | 9 3 | 8 34 | 18 52 | 2 47 | 2 48 |
| M26 | 17 4 | 18 47 | 4 21 | 22 52 | 1 3 | 13 51 | 1 29 | 20 42 | 1 3 | 23 18 | 0 14 | 8 3 | 2 2 | 18 31 | 0 15 | 13 13 | 1 51 | 5 24 | 12 53 | 9 4 | 8 35 | 18 52 | 2 48 | 2 47 |
| T 27 | 16 47 | 18 3 | 3 39 | 22 44 | 1 10 | 13 25 | 1 29 | 20 31 | 1 3 | 23 18 | 0 14 | 8 1 | 2 2 | 18 31 | 0 15 | 13 13 | 1 51 | 5 24 | 12 53 | 9 6 | 8 36 | 18 52 | 2 49 | 2 47 |
| W28 | 16 29 | 16 30 | 2 47 | 22 35 | 1 16 | 12 58 | 1 29 | 20 20 | 1 3 | 23 19 | 0 14 | 7 58 | 2 2 | 18 32 | 0 15 | 13 13 | 1 51 | 5 25 | 12 53 | 9 7 | 8 37 | 18 52 | 2 50 | 2 47 |
| T 29 | 16 12 | 14 13 | 1 48 | 22 24 | 1 22 | 12 31 | 1 28 | 20 9 | 1 3 | 23 19 | 0 14 | 7 55 | 2 2 | 18 32 | 0 15 | 13 13 | 1 51 | 5 25 | 12 52 | 9 8 | 8 38 | 18 52 | 2 51 | 2 47 |
| F 30 | 15 53 | 11 15 | 0 42 | 22 13 | 1 27 | 12 4 | 1 28 | 19 57 | 1 4 | 23 19 | 0 14 | 7 52 | 2 2 | 18 32 | 0 15 | 13 13 | 1 51 | 5 25 | 12 52 | 9 9 | 8 40 | 18 53 | 2 52 | 2 47 |
| S 31 | 15s35 | 7s46 | 0s26 | 21s59 | 1s32 | 11s36 | 1s27 | 19s46 | 1s 4 | 23s19 | 0n14 | 7s50 | 2s 2 | 18s33 | 0n15 | 13s13 | 1n51 | 5n26 | 12s52 | 9n 9 | 8n41 | 18s53 | 2n53 | 2n47 |

Julian Day Number = 2138173.5, Delta T = 15m39s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'41, Lahiri = 11°53'41 Julian Calendar 1 Jan. 1142 == Greg. Calendar 8 Jan. 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## FEBRUARY 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 9 1 | 18♒45'25 | 23♓53 | 0♒23 | 4♓49 | 7♒17 | 29♐21 | 15♓ 3 | 23♏43 | 10♏16 | 20♉ 3 | 6♍34 | 7♍45 | 5♑28 | 0♈53 | S 1 |
| M 2 | 9 12 58 | 19°45'52 | 6♈42 | 1°56 | 6° 3 | 8° 4 | 29°32 | 15°10 | 23°44 | 10°17 | 20° 3 | 6°36 | 7°42 | 5°34 | 0°56 | M 2 |
| T 3 | 9 16 55 | 20°46'17 | 19°45 | 3°29 | 7°18 | 8°51 | 29°43 | 15°17 | 23°45 | 10°17 | 20° 4 | 6°37 | 7°39 | 5°41 | 0°59 | T 3 |
| W 4 | 9 20 51 | 21°46'41 | 3♉ 4 | 5° 4 | 8°33 | 9°39 | 29°54 | 15°24 | 23°46 | 10°R17 | 20° 4 | 6°38 | 7°36 | 5°48 | 1° 2 | W 4 |
| T 5 | 9 24 48 | 22°47'02 | 16°40 | 6°39 | 9°47 | 10°26 | 0♑ 5 | 15°31 | 23°47 | 10°17 | 20° 4 | 6°R39 | 7°32 | 5°55 | 1° 5 | T 5 |
| F 6 | 9 28 44 | 23°47'22 | 0♊35 | 8°15 | 11° 2 | 11°13 | 0°16 | 15°39 | 23°48 | 10°16 | 20° 4 | 6°39 | 7°29 | 6° 1 | 1° 8 | F 6 |
| S 7 | 9 32 41 | 24°47'39 | 14°47 | 9°53 | 12°17 | 12° 0 | 0°27 | 15°46 | 23°48 | 10°16 | 20° 4 | 6°38 | 7°26 | 6° 8 | 1°11 | S 7 |
| S 8 | 9 36 37 | 25°47'54 | 29°15 | 11°31 | 13°31 | 12°48 | 0°37 | 15°53 | 23°49 | 10°16 | 20° 5 | 6°37 | 7°23 | 6°15 | 1°14 | S 8 |
| M 9 | 9 40 34 | 26°48'08 | 13♋55 | 13°11 | 14°46 | 13°35 | 0°48 | 16° 0 | 23°50 | 10°16 | 20° 5 | 6°36 | 7°20 | 6°21 | 1°17 | M 9 |
| T 10 | 9 44 30 | 27°48'19 | 28°41 | 14°51 | 16° 0 | 14°22 | 0°58 | 16° 7 | 23°50 | 10°16 | 20° 5 | 6°35 | 7°17 | 6°28 | 1°20 | T 10 |
| W11 | 9 48 27 | 28°48'28 | 13♌27 | 16°33 | 17°15 | 15° 9 | 1° 8 | 16°15 | 23°51 | 10°16 | 20° 5 | 6°34 | 7°13 | 6°35 | 1°23 | W11 |
| T 12 | 9 52 24 | 29°48'35 | 28° 6 | 18°15 | 18°29 | 15°57 | 1°19 | 16°22 | 23°51 | 10°15 | 20° 6 | 6°33 | 7°10 | 6°41 | 1°27 | T 12 |
| F 13 | 9 56 20 | 0♓48'40 | 12♍29 | 19°59 | 19°44 | 16°44 | 1°29 | 16°29 | 23°52 | 10°15 | 20° 6 | 6°D33 | 7° 7 | 6°48 | 1°30 | F 13 |
| S 14 | 10 0 17 | 1°48'44 | 26°34 | 21°43 | 20°58 | 17°31 | 1°39 | 16°37 | 23°52 | 10°15 | 20° 7 | 6°34 | 7° 4 | 6°55 | 1°33 | S 14 |
| S 15 | 10 4 13 | 2°48'45 | 10♎15 | 23°29 | 22°13 | 18°18 | 1°48 | 16°44 | 23°53 | 10°14 | 20° 7 | 6°34 | 7° 1 | 7° 2 | 1°36 | S 15 |
| M16 | 10 8 10 | 3°48'45 | 23°32 | 25°16 | 23°27 | 19° 5 | 1°58 | 16°51 | 23°53 | 10°14 | 20° 7 | 6°34 | 6°58 | 7° 8 | 1°40 | M16 |
| T 17 | 10 12 6 | 4°48'43 | 6♏25 | 27° 4 | 24°41 | 19°53 | 2° 8 | 16°59 | 23°53 | 10°14 | 20° 8 | 6°35 | 6°54 | 7°15 | 1°43 | T 17 |
| W18 | 10 16 3 | 5°48'40 | 18°58 | 28°53 | 25°55 | 20°40 | 2°17 | 17° 6 | 23°53 | 10°13 | 20° 8 | 6°35 | 6°51 | 7°22 | 1°46 | W18 |
| T 19 | 10 19 59 | 6°48'34 | 1♐14 | 0♓43 | 27°10 | 21°27 | 2°27 | 17°14 | 23°53 | 10°13 | 20° 9 | 6°35 | 6°48 | 7°28 | 1°49 | T 19 |
| F 20 | 10 23 56 | 7°48'28 | 13°17 | 2°35 | 28°24 | 22°14 | 2°36 | 17°21 | 23°R53 | 10°12 | 20° 9 | 6°35 | 6°45 | 7°35 | 1°53 | F 20 |
| S 21 | 10 27 53 | 8°48'19 | 25°11 | 4°27 | 29°38 | 23° 1 | 2°45 | 17°29 | 23°53 | 10°12 | 20°10 | 6°35 | 6°42 | 7°42 | 1°56 | S 21 |
| S 22 | 10 31 49 | 9°48'09 | 7♑ 2 | 6°21 | 0♈52 | 23°49 | 2°54 | 17°36 | 23°53 | 10°11 | 20°10 | 6°35 | 6°38 | 7°49 | 2° 0 | S 22 |
| M23 | 10 35 46 | 10°47'57 | 18°54 | 8°16 | 2° 6 | 24°36 | 3° 3 | 17°43 | 23°53 | 10°10 | 20°11 | 6°36 | 6°35 | 7°55 | 2° 3 | M23 |
| T 24 | 10 39 42 | 11°47'43 | 0♒50 | 10°11 | 3°20 | 25°23 | 3°12 | 17°51 | 23°53 | 10°10 | 20°11 | 6°36 | 6°32 | 8° 2 | 2° 6 | T 24 |
| W25 | 10 43 39 | 12°47'27 | 12°55 | 12° 8 | 4°34 | 26°10 | 3°21 | 17°58 | 23°53 | 10° 9 | 20°12 | 6°37 | 6°29 | 8° 9 | 2°10 | W25 |
| T 26 | 10 47 35 | 13°47'09 | 25°11 | 14° 6 | 5°48 | 26°57 | 3°29 | 18° 6 | 23°53 | 10° 8 | 20°13 | 6°37 | 6°26 | 8°15 | 2°13 | T 26 |
| F 27 | 10 51 32 | 14°46'49 | 7♓39 | 16° 5 | 7° 2 | 27°44 | 3°38 | 18°13 | 23°52 | 10° 8 | 20°13 | 6°R37 | 6°23 | 8°22 | 2°17 | F 27 |
| S 28 | 10 55 28 | 15♓46'27 | 20♓22 | 18♓ 4 | 8♈16 | 28♒31 | 3♑46 | 18♓21 | 23♏52 | 10♏ 7 | 20♉14 | 6♍37 | 6♍19 | 8♑29 | 2♈20 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s16 | 3s53 | 1s34 | 21s45 | 1s37 | 11s 8 | 1s26 | 19s34 | 1s 4 | 23s19 | 0n13 | 7s47 | 2s 2 | 18s33 | 0n15 | 13s13 | 1n51 | 5n26 | 12s51 | 9n 8 | 8n42 | 18s53 | 2n54 | 2n46 |
| M 2 | 14 57 | 0n14 | 2 39 | 21 28 | 1 42 | 10 40 | 1 26 | 19 22 | 1 4 | 23 19 | 0 13 | 7 44 | 2 2 | 18 33 | 0 15 | 13 13 | 1 51 | 5 26 | 12 51 | 9 8 | 8 43 | 18 53 | 2 55 | 2 46 |
| T 3 | 14 38 | 4 25 | 3 37 | 21 11 | 1 46 | 10 11 | 1 25 | 19 10 | 1 4 | 23 20 | 0 13 | 7 41 | 2 1 | 18 33 | 0 15 | 13 13 | 1 51 | 5 27 | 12 51 | 9 7 | 8 44 | 18 53 | 2 56 | 2 46 |
| W 4 | 14 19 | 8 27 | 4 24 | 20 52 | 1 50 | 9 42 | 1 24 | 18 57 | 1 5 | 23 20 | 0 13 | 7 39 | 2 1 | 18 34 | 0 15 | 13 13 | 1 51 | 5 27 | 12 50 | 9 7 | 8 46 | 18 53 | 2 57 | 2 46 |
| T 5 | 13 59 | 12 8 | 4 58 | 20 31 | 1 53 | 9 13 | 1 23 | 18 45 | 1 5 | 23 20 | 0 13 | 7 36 | 2 1 | 18 34 | 0 15 | 13 13 | 1 51 | 5 27 | 12 50 | 9 7 | 8 47 | 18 53 | 2 58 | 2 46 |
| F 6 | 13 39 | 15 14 | 5 15 | 20 9 | 1 57 | 8 44 | 1 22 | 18 32 | 1 5 | 23 20 | 0 13 | 7 33 | 2 1 | 18 34 | 0 15 | 13 12 | 1 51 | 5 28 | 12 50 | 9 7 | 8 48 | 18 54 | 2 59 | 2 46 |
| S 7 | 13 19 | 17 29 | 5 14 | 19 46 | 1 59 | 8 14 | 1 21 | 18 19 | 1 5 | 23 20 | 0 13 | 7 30 | 2 1 | 18 34 | 0 15 | 13 12 | 1 51 | 5 28 | 12 49 | 9 7 | 8 49 | 18 54 | 3 0 | 2 45 |
| S 8 | 12 59 | 18 40 | 4 52 | 19 21 | 2 2 | 7 44 | 1 20 | 18 5 | 1 5 | 23 20 | 0 13 | 7 27 | 2 1 | 18 34 | 0 15 | 13 12 | 1 51 | 5 28 | 12 49 | 9 7 | 8 50 | 18 54 | 3 1 | 2 45 |
| M 9 | 12 38 | 18 38 | 4 12 | 18 55 | 2 4 | 7 15 | 1 19 | 17 52 | 1 5 | 23 20 | 0 13 | 7 24 | 2 1 | 18 34 | 0 15 | 13 12 | 1 51 | 5 29 | 12 49 | 9 8 | 8 51 | 18 54 | 3 2 | 2 45 |
| T 10 | 12 17 | 17 20 | 3 15 | 18 27 | 2 5 | 6 44 | 1 18 | 17 38 | 1 6 | 23 20 | 0 13 | 7 22 | 2 1 | 18 35 | 0 15 | 13 12 | 1 51 | 5 29 | 12 49 | 9 8 | 8 53 | 18 54 | 3 3 | 2 45 |
| W11 | 11 57 | 14 52 | 2 5 | 17 58 | 2 7 | 6 14 | 1 17 | 17 25 | 1 6 | 23 20 | 0 13 | 7 19 | 2 1 | 18 35 | 0 15 | 13 12 | 1 51 | 5 29 | 12 48 | 9 9 | 8 54 | 18 54 | 3 5 | 2 45 |
| T 12 | 11 35 | 11 28 | 0 47 | 17 27 | 2 7 | 5 44 | 1 15 | 17 11 | 1 6 | 23 20 | 0 13 | 7 16 | 2 1 | 18 35 | 0 15 | 13 12 | 1 52 | 5 30 | 12 48 | 9 9 | 8 55 | 18 54 | 3 6 | 2 45 |
| F 13 | 11 14 | 7 25 | 0n33 | 16 54 | 2 8 | 5 13 | 1 14 | 16 56 | 1 6 | 23 20 | 0 13 | 7 13 | 2 1 | 18 35 | 0 15 | 13 12 | 1 52 | 5 30 | 12 48 | 9 9 | 8 56 | 18 54 | 3 7 | 2 45 |
| S 14 | 10 53 | 3 2 | 1 49 | 16 21 | 2 8 | 4 42 | 1 12 | 16 42 | 1 6 | 23 20 | 0 12 | 7 10 | 2 1 | 18 35 | 0 15 | 13 12 | 1 52 | 5 31 | 12 47 | 9 9 | 8 57 | 18 54 | 3 8 | 2 45 |
| S 15 | 10 31 | 1s22 | 2 56 | 15 45 | 2 7 | 4 11 | 1 11 | 16 28 | 1 6 | 23 20 | 0 12 | 7 7 | 2 1 | 18 35 | 0 15 | 13 11 | 1 52 | 5 31 | 12 47 | 9 9 | 8 59 | 18 55 | 3 9 | 2 44 |
| M16 | 10 9 | 5 35 | 3 52 | 15 8 | 2 6 | 3 40 | 1 9 | 16 13 | 1 6 | 23 20 | 0 12 | 7 4 | 2 1 | 18 35 | 0 15 | 13 11 | 1 52 | 5 31 | 12 47 | 9 8 | 9 0 | 18 55 | 3 10 | 2 44 |
| T 17 | 9 47 | 9 24 | 4 35 | 14 30 | 2 5 | 3 9 | 1 8 | 15 58 | 1 6 | 23 20 | 0 12 | 7 1 | 2 1 | 18 35 | 0 15 | 13 11 | 1 52 | 5 32 | 12 46 | 9 8 | 9 1 | 18 55 | 3 12 | 2 44 |
| W18 | 9 25 | 12 41 | 5 3 | 13 50 | 2 3 | 2 38 | 1 6 | 15 43 | 1 6 | 23 20 | 0 12 | 6 58 | 2 1 | 18 35 | 0 15 | 13 11 | 1 52 | 5 32 | 12 46 | 9 8 | 9 2 | 18 55 | 3 13 | 2 44 |
| T 19 | 9 3 | 15 20 | 5 16 | 13 9 | 2 0 | 2 7 | 1 4 | 15 28 | 1 6 | 23 19 | 0 12 | 6 55 | 2 1 | 18 35 | 0 15 | 13 11 | 1 52 | 5 32 | 12 46 | 9 8 | 9 3 | 18 55 | 3 14 | 2 44 |
| F 20 | 8 41 | 17 17 | 5 15 | 12 26 | 1 58 | 1 36 | 1 3 | 15 13 | 1 7 | 23 19 | 0 12 | 6 53 | 2 1 | 18 35 | 0 15 | 13 10 | 1 52 | 5 33 | 12 46 | 9 8 | 9 5 | 18 55 | 3 15 | 2 44 |
| S 21 | 8 18 | 18 27 | 5 1 | 11 41 | 1 54 | 1 4 | 1 1 | 14 57 | 1 7 | 23 19 | 0 12 | 6 50 | 2 1 | 18 35 | 0 15 | 13 10 | 1 52 | 5 33 | 12 45 | 9 8 | 9 6 | 18 55 | 3 16 | 2 44 |
| S 22 | 7 56 | 18 48 | 4 34 | 10 56 | 1 50 | 0 33 | 0 59 | 14 42 | 1 7 | 23 19 | 0 12 | 6 47 | 2 1 | 18 35 | 0 15 | 13 10 | 1 52 | 5 34 | 12 45 | 9 8 | 9 7 | 18 55 | 3 18 | 2 44 |
| M23 | 7 33 | 18 20 | 3 55 | 10 8 | 1 46 | 0 2 | 0 57 | 14 26 | 1 7 | 23 19 | 0 12 | 6 44 | 2 1 | 18 35 | 0 15 | 13 10 | 1 52 | 5 34 | 12 45 | 9 8 | 9 8 | 18 55 | 3 19 | 2 43 |
| T 24 | 7 10 | 17 2 | 3 6 | 9 20 | 1 41 | 0n30 | 0 55 | 14 10 | 1 7 | 23 19 | 0 12 | 6 41 | 2 1 | 18 35 | 0 15 | 13 9 | 1 52 | 5 35 | 12 44 | 9 8 | 9 9 | 18 55 | 3 20 | 2 43 |
| W25 | 6 47 | 14 58 | 2 8 | 8 30 | 1 35 | 1 1 | 0 53 | 13 54 | 1 7 | 23 19 | 0 12 | 6 38 | 2 1 | 18 35 | 0 15 | 13 9 | 1 52 | 5 35 | 12 44 | 9 8 | 9 10 | 18 55 | 3 21 | 2 43 |
| T 26 | 6 24 | 12 12 | 1 3 | 7 39 | 1 29 | 1 33 | 0 51 | 13 38 | 1 7 | 23 19 | 0 12 | 6 35 | 2 1 | 18 35 | 0 15 | 13 9 | 1 52 | 5 35 | 12 44 | 9 7 | 9 12 | 18 55 | 3 23 | 2 43 |
| F 27 | 6 1 | 8 49 | 0s 6 | 6 47 | 1 22 | 2 4 | 0 48 | 13 21 | 1 7 | 23 18 | 0 11 | 6 32 | 2 1 | 18 35 | 0 15 | 13 9 | 1 52 | 5 36 | 12 44 | 9 7 | 9 13 | 18 55 | 3 24 | 2 43 |
| S 28 | 5s38 | 4s59 | 1s16 | 5s53 | 1s15 | 2n35 | 0s46 | 13s 5 | 1s 7 | 23s18 | 0n11 | 6s29 | 2s 1 | 18s35 | 0n15 | 13s 8 | 1n52 | 5n36 | 12s43 | 9n 7 | 9n14 | 18s55 | 3n25 | 2n43 |

Julian Day Number = 2138204.5, Delta T = 15m39s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'45, Lahiri = 11°53'46 Julian Calendar 1 Feb. 1142 == Greg. Calendar 8 Feb. 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## MARCH 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 59 25 | 16♓46'04 | 3♈20 | 20♓ 4 | 9♈30 | 29♒19 | 3♑54 | 18♓28 | 23°R51 | 10°R 6 | 20♉15 | 6°R36 | 6♍16 | 8♑35 | 2♈24 | S 1 |
| M 2 | 11 3 21 | 17°45'38 | 16°31 | 22° 5 | 10°44 | 0♓ 6 | 4° 2 | 18°36 | 23♏51 | 10♏ 5 | 20°15 | 6♍35 | 6°13 | 8°42 | 2°27 | M 2 |
| T 3 | 11 7 18 | 18°45'09 | 29°57 | 24° 6 | 11°58 | 0°53 | 4°10 | 18°44 | 23°50 | 10° 5 | 20°16 | 6°33 | 6°10 | 8°49 | 2°31 | T 3 |
| W 4 | 11 11 15 | 19°44'39 | 13♉35 | 26° 7 | 13°12 | 1°40 | 4°18 | 18°51 | 23°50 | 10° 4 | 20°17 | 6°32 | 6° 7 | 8°56 | 2°34 | W 4 |
| T 5 | 11 15 11 | 20°44'06 | 27°24 | 28° 8 | 14°25 | 2°27 | 4°26 | 18°59 | 23°49 | 10° 3 | 20°17 | 6°30 | 6° 3 | 9° 2 | 2°38 | T 5 |
| F 6 | 11 19 8 | 21°43'31 | 11♊23 | 0♈ 8 | 15°39 | 3°14 | 4°33 | 19° 6 | 23°48 | 10° 2 | 20°18 | 6°29 | 6° 0 | 9° 9 | 2°41 | F 6 |
| S 7 | 11 23 4 | 22°42'54 | 25°31 | 2° 8 | 16°53 | 4° 1 | 4°40 | 19°14 | 23°48 | 10° 1 | 20°19 | 6°D29 | 5°57 | 9°16 | 2°45 | S 7 |
| S 8 | 11 27 1 | 23°42'14 | 9♋44 | 4° 8 | 18° 6 | 4°48 | 4°48 | 19°21 | 23°47 | 10° 0 | 20°20 | 6°30 | 5°54 | 9°22 | 2°49 | S 8 |
| M 9 | 11 30 57 | 24°41'32 | 24° 2 | 6° 5 | 19°20 | 5°35 | 4°55 | 19°29 | 23°46 | 9°59 | 20°21 | 6°31 | 5°51 | 9°29 | 2°52 | M 9 |
| T 10 | 11 34 54 | 25°40'47 | 8♌21 | 8° 1 | 20°33 | 6°22 | 5° 2 | 19°36 | 23°45 | 9°58 | 20°22 | 6°32 | 5°48 | 9°36 | 2°56 | T 10 |
| W11 | 11 38 50 | 26°40'00 | 22°38 | 9°56 | 21°47 | 7° 9 | 5° 8 | 19°44 | 23°44 | 9°57 | 20°22 | 6°33 | 5°44 | 9°42 | 2°59 | W11 |
| T 12 | 11 42 47 | 27°39'11 | 6♍49 | 11°47 | 23° 0 | 7°55 | 5°15 | 19°51 | 23°43 | 9°56 | 20°23 | 6°R34 | 5°41 | 9°49 | 3° 3 | T 12 |
| F 13 | 11 46 44 | 28°38'19 | 20°51 | 13°36 | 24°14 | 8°42 | 5°21 | 19°58 | 23°42 | 9°55 | 20°24 | 6°33 | 5°38 | 9°56 | 3° 7 | F 13 |
| S 14 | 11 50 40 | 29°37'26 | 4♎38 | 15°21 | 25°27 | 9°29 | 5°28 | 20° 6 | 23°41 | 9°54 | 20°25 | 6°31 | 5°35 | 10° 3 | 3°10 | S 14 |
| S 15 | 11 54 37 | 0♈36'30 | 18° 9 | 17° 3 | 26°40 | 10°16 | 5°34 | 20°13 | 23°40 | 9°52 | 20°26 | 6°28 | 5°32 | 10° 9 | 3°14 | S 15 |
| M16 | 11 58 33 | 1°35'32 | 1♏21 | 18°41 | 27°53 | 11° 3 | 5°40 | 20°21 | 23°39 | 9°51 | 20°27 | 6°25 | 5°29 | 10°16 | 3°17 | M16 |
| T 17 | 12 2 30 | 2°34'33 | 14°14 | 20°14 | 29° 7 | 11°49 | 5°46 | 20°28 | 23°38 | 9°50 | 20°28 | 6°21 | 5°25 | 10°23 | 3°21 | T 17 |
| W18 | 12 6 26 | 3°33'32 | 26°48 | 21°43 | 0♉20 | 12°36 | 5°51 | 20°36 | 23°36 | 9°49 | 20°29 | 6°17 | 5°22 | 10°29 | 3°25 | W18 |
| T 19 | 12 10 23 | 4°32'28 | 9♐ 5 | 23° 7 | 1°33 | 13°23 | 5°57 | 20°43 | 23°35 | 9°48 | 20°30 | 6°13 | 5°19 | 10°36 | 3°28 | T 19 |
| F 20 | 12 14 19 | 5°31'23 | 21°10 | 24°25 | 2°46 | 14° 9 | 6° 2 | 20°50 | 23°34 | 9°46 | 20°31 | 6°11 | 5°16 | 10°43 | 3°32 | F 20 |
| S 21 | 12 18 16 | 6°30'16 | 3♑ 6 | 25°38 | 3°59 | 14°56 | 6° 7 | 20°58 | 23°32 | 9°45 | 20°32 | 6°D10 | 5°13 | 10°49 | 3°35 | S 21 |
| S 22 | 12 22 12 | 7°29'08 | 14°57 | 26°46 | 5°12 | 15°43 | 6°13 | 21° 5 | 23°31 | 9°44 | 20°33 | 6°10 | 5° 9 | 10°56 | 3°39 | S 22 |
| M23 | 12 26 9 | 8°27'58 | 26°50 | 27°48 | 6°25 | 16°29 | 6°17 | 21°12 | 23°30 | 9°42 | 20°34 | 6°11 | 5° 6 | 11° 3 | 3°43 | M23 |
| T 24 | 12 30 6 | 9°26'45 | 8♒47 | 28°44 | 7°37 | 17°16 | 6°22 | 21°20 | 23°28 | 9°41 | 20°35 | 6°13 | 5° 3 | 11° 9 | 3°46 | T 24 |
| W25 | 12 34 2 | 10°25'31 | 20°55 | 29°34 | 8°50 | 18° 2 | 6°27 | 21°27 | 23°26 | 9°40 | 20°36 | 6°15 | 5° 0 | 11°16 | 3°50 | W25 |
| T 26 | 12 37 59 | 11°24'16 | 3♓18 | 0♉18 | 10° 3 | 18°49 | 6°31 | 21°34 | 23°25 | 9°38 | 20°37 | 6°R15 | 4°57 | 11°23 | 3°53 | T 26 |
| F 27 | 12 41 55 | 12°22'58 | 15°57 | 0°55 | 11°16 | 19°35 | 6°35 | 21°41 | 23°23 | 9°37 | 20°38 | 6°15 | 4°54 | 11°30 | 3°57 | F 27 |
| S 28 | 12 45 52 | 13°21'38 | 28°56 | 1°27 | 12°28 | 20°22 | 6°39 | 21°49 | 23°22 | 9°36 | 20°39 | 6°13 | 4°50 | 11°36 | 4° 1 | S 28 |
| S 29 | 12 49 48 | 14°20'17 | 12♈15 | 1°52 | 13°41 | 21° 8 | 6°43 | 21°56 | 23°20 | 9°34 | 20°40 | 6° 9 | 4°47 | 11°43 | 4° 4 | S 29 |
| M30 | 12 53 45 | 15°18'53 | 25°52 | 2°11 | 14°53 | 21°55 | 6°47 | 22° 3 | 23°18 | 9°33 | 20°41 | 6° 4 | 4°44 | 11°50 | 4° 8 | M30 |
| T 31 | 12 57 41 | 16♈17'28 | 9♉44 | 2♉24 | 16♉ 6 | 22♓41 | 6♑50 | 22♓10 | 23♏16 | 9♏31 | 20♉43 | 5♍57 | 4♍41 | 11♑56 | 4♈11 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s15 | 0s51 | 2s23 | 4s59 | 1s 7 | 3n 7 | 0s44 | 12s48 | 1s 7 | 23s18 | 0n11 | 6s26 | 2s 1 | 18s35 | 0n15 | 13s 8 | 1n53 | 5n37 | 12s43 | 9n 8 | 9n15 | 18s56 | 3n27 | 2n43 |
| M 2 | 4 52 | 3n24 | 3 23 | 4 3 | 0 58 | 3 38 | 0 42 | 12 32 | 1 7 | 23 18 | 0 11 | 6 23 | 2 1 | 18 35 | 0 15 | 13 8 | 1 53 | 5 37 | 12 43 | 9 8 | 9 16 | 18 56 | 3 28 | 2 43 |
| T 3 | 4 28 | 7 32 | 4 14 | 3 7 | 0 49 | 4 9 | 0 39 | 12 15 | 1 7 | 23 18 | 0 11 | 6 20 | 2 1 | 18 35 | 0 15 | 13 7 | 1 53 | 5 38 | 12 43 | 9 9 | 9 17 | 18 56 | 3 29 | 2 43 |
| W 4 | 4 5 | 11 21 | 4 51 | 2 10 | 0 40 | 4 40 | 0 37 | 11 58 | 1 7 | 23 18 | 0 11 | 6 17 | 2 1 | 18 34 | 0 15 | 13 7 | 1 53 | 5 38 | 12 42 | 9 9 | 9 19 | 18 56 | 3 31 | 2 42 |
| T 5 | 3 41 | 14 36 | 5 12 | 1 12 | 0 30 | 5 11 | 0 34 | 11 41 | 1 7 | 23 17 | 0 11 | 6 14 | 2 1 | 18 34 | 0 15 | 13 7 | 1 53 | 5 38 | 12 42 | 9 10 | 9 20 | 18 56 | 3 32 | 2 42 |
| F 6 | 3 18 | 17 3 | 5 15 | 0 15 | 0 20 | 5 42 | 0 32 | 11 24 | 1 7 | 23 17 | 0 11 | 6 12 | 2 1 | 18 34 | 0 15 | 13 6 | 1 53 | 5 39 | 12 42 | 9 10 | 9 21 | 18 56 | 3 33 | 2 42 |
| S 7 | 2 54 | 18 29 | 4 59 | 0n43 | 0 9 | 6 12 | 0 29 | 11 7 | 1 7 | 23 17 | 0 11 | 6 9 | 2 1 | 18 34 | 0 15 | 13 6 | 1 53 | 5 39 | 12 42 | 9 10 | 9 22 | 18 56 | 3 35 | 2 42 |
| S 8 | 2 31 | 18 47 | 4 25 | 1 41 | 0n 2 | 6 43 | 0 27 | 10 50 | 1 7 | 23 17 | 0 11 | 6 6 | 2 2 | 18 34 | 0 15 | 13 6 | 1 53 | 5 40 | 12 41 | 9 10 | 9 23 | 18 56 | 3 36 | 2 42 |
| M 9 | 2 7 | 17 53 | 3 34 | 2 38 | 0 14 | 7 13 | 0 24 | 10 32 | 1 6 | 23 17 | 0 11 | 6 3 | 2 2 | 18 33 | 0 15 | 13 5 | 1 53 | 5 40 | 12 41 | 9 10 | 9 25 | 18 56 | 3 37 | 2 42 |
| T 10 | 1 43 | 15 51 | 2 30 | 3 35 | 0 26 | 7 44 | 0 22 | 10 15 | 1 6 | 23 17 | 0 11 | 6 0 | 2 2 | 18 33 | 0 15 | 13 5 | 1 53 | 5 41 | 12 41 | 9 9 | 9 26 | 18 56 | 3 39 | 2 42 |
| W11 | 1 20 | 12 50 | 1 16 | 4 31 | 0 38 | 8 14 | 0 19 | 9 57 | 1 6 | 23 16 | 0 11 | 5 57 | 2 2 | 18 33 | 0 15 | 13 5 | 1 53 | 5 41 | 12 40 | 9 9 | 9 27 | 18 56 | 3 40 | 2 42 |
| T 12 | 0 56 | 9 4 | 0n 1 | 5 26 | 0 50 | 8 44 | 0 16 | 9 40 | 1 6 | 23 16 | 0 10 | 5 54 | 2 2 | 18 33 | 0 15 | 13 4 | 1 53 | 5 42 | 12 40 | 9 9 | 9 28 | 18 56 | 3 41 | 2 42 |
| F 13 | 0 33 | 4 50 | 1 18 | 6 20 | 1 2 | 9 13 | 0 14 | 9 22 | 1 6 | 23 16 | 0 10 | 5 51 | 2 2 | 18 32 | 0 15 | 13 4 | 1 53 | 5 42 | 12 40 | 9 9 | 9 29 | 18 56 | 3 43 | 2 42 |
| S 14 | 0 9 | 0 25 | 2 29 | 7 12 | 1 13 | 9 43 | 0 11 | 9 4 | 1 6 | 23 16 | 0 10 | 5 48 | 2 2 | 18 32 | 0 15 | 13 3 | 1 53 | 5 43 | 12 40 | 9 10 | 9 30 | 18 56 | 3 44 | 2 42 |
| S 15 | 0n15 | 3s56 | 3 29 | 8 2 | 1 25 | 10 12 | 0 8 | 8 46 | 1 6 | 23 16 | 0 10 | 5 45 | 2 2 | 18 32 | 0 15 | 13 3 | 1 53 | 5 43 | 12 40 | 9 11 | 9 32 | 18 56 | 3 46 | 2 42 |
| M16 | 0 38 | 7 59 | 4 17 | 8 50 | 1 37 | 10 41 | 0 5 | 8 28 | 1 6 | 23 16 | 0 10 | 5 43 | 2 2 | 18 32 | 0 15 | 13 3 | 1 53 | 5 43 | 12 39 | 9 12 | 9 33 | 18 56 | 3 47 | 2 42 |
| T 17 | 1 2 | 11 33 | 4 51 | 9 36 | 1 48 | 11 10 | 0 3 | 8 10 | 1 6 | 23 15 | 0 10 | 5 40 | 2 2 | 18 31 | 0 15 | 13 2 | 1 53 | 5 44 | 12 39 | 9 13 | 9 34 | 18 56 | 3 48 | 2 41 |
| W18 | 1 25 | 14 31 | 5 9 | 10 20 | 1 58 | 11 39 | 0n 0 | 7 52 | 1 6 | 23 15 | 0 10 | 5 37 | 2 2 | 18 31 | 0 15 | 13 2 | 1 53 | 5 44 | 12 39 | 9 15 | 9 35 | 18 56 | 3 50 | 2 41 |
| T 19 | 1 49 | 16 45 | 5 13 | 11 1 | 2 9 | 12 7 | 0 3 | 7 34 | 1 5 | 23 15 | 0 10 | 5 34 | 2 2 | 18 31 | 0 15 | 13 1 | 1 53 | 5 45 | 12 39 | 9 16 | 9 36 | 18 56 | 3 51 | 2 41 |
| F 20 | 2 12 | 18 13 | 5 3 | 11 39 | 2 18 | 12 35 | 0 6 | 7 16 | 1 5 | 23 15 | 0 10 | 5 31 | 2 2 | 18 30 | 0 15 | 13 1 | 1 53 | 5 45 | 12 38 | 9 17 | 9 37 | 18 56 | 3 52 | 2 41 |
| S 21 | 2 36 | 18 51 | 4 40 | 12 14 | 2 27 | 13 2 | 0 9 | 6 58 | 1 5 | 23 15 | 0 10 | 5 28 | 2 2 | 18 30 | 0 15 | 13 1 | 1 53 | 5 46 | 12 38 | 9 17 | 9 39 | 18 56 | 3 54 | 2 41 |
| S 22 | 2 59 | 18 39 | 4 5 | 12 46 | 2 35 | 13 30 | 0 12 | 6 39 | 1 5 | 23 15 | 0 10 | 5 25 | 2 2 | 18 30 | 0 15 | 13 0 | 1 53 | 5 46 | 12 38 | 9 17 | 9 40 | 18 56 | 3 55 | 2 41 |
| M23 | 3 22 | 17 38 | 3 19 | 13 16 | 2 42 | 13 57 | 0 15 | 6 21 | 1 5 | 23 14 | 0 9 | 5 23 | 2 3 | 18 29 | 0 15 | 13 0 | 1 53 | 5 47 | 12 38 | 9 17 | 9 41 | 18 56 | 3 57 | 2 41 |
| T 24 | 3 46 | 15 49 | 2 25 | 13 42 | 2 49 | 14 24 | 0 18 | 6 3 | 1 5 | 23 14 | 0 9 | 5 20 | 2 3 | 18 29 | 0 15 | 12 59 | 1 53 | 5 47 | 12 38 | 9 16 | 9 42 | 18 56 | 3 58 | 2 41 |
| W25 | 4 9 | 13 17 | 1 23 | 14 5 | 2 54 | 14 50 | 0 20 | 5 44 | 1 5 | 23 14 | 0 9 | 5 17 | 2 3 | 18 28 | 0 15 | 12 59 | 1 54 | 5 48 | 12 37 | 9 16 | 9 43 | 18 56 | 3 59 | 2 41 |
| T 26 | 4 32 | 10 6 | 0 16 | 14 25 | 2 59 | 15 16 | 0 23 | 5 26 | 1 4 | 23 14 | 0 9 | 5 14 | 2 3 | 18 28 | 0 15 | 12 58 | 1 54 | 5 48 | 12 37 | 9 15 | 9 44 | 18 56 | 4 1 | 2 41 |
| F 27 | 4 55 | 6 22 | 0s53 | 14 41 | 3 2 | 15 42 | 0 26 | 5 7 | 1 4 | 23 14 | 0 9 | 5 12 | 2 3 | 18 28 | 0 15 | 12 58 | 1 54 | 5 49 | 12 37 | 9 16 | 9 46 | 18 56 | 4 2 | 2 41 |
| S 28 | 5 18 | 2 16 | 2 0 | 14 54 | 3 4 | 16 7 | 0 29 | 4 49 | 1 4 | 23 14 | 0 9 | 5 9 | 2 3 | 18 27 | 0 15 | 12 57 | 1 54 | 5 49 | 12 37 | 9 16 | 9 47 | 18 56 | 4 4 | 2 41 |
| S 29 | 5 41 | 2n 3 | 3 3 | 15 4 | 3 5 | 16 32 | 0 32 | 4 30 | 1 4 | 23 14 | 0 9 | 5 6 | 2 3 | 18 27 | 0 15 | 12 57 | 1 54 | 5 49 | 12 37 | 9 18 | 9 48 | 18 56 | 4 5 | 2 41 |
| M30 | 6 3 | 6 21 | 3 57 | 15 10 | 3 5 | 16 56 | 0 35 | 4 12 | 1 4 | 23 14 | 0 9 | 5 3 | 2 3 | 18 26 | 0 15 | 12 56 | 1 54 | 5 50 | 12 36 | 9 20 | 9 49 | 18 56 | 4 6 | 2 41 |
| T 31 | 6n26 | 10n24 | 4s38 | 15n13 | 3n 3 | 17n20 | 0n38 | 3s53 | 1s 3 | 23s14 | 0n 9 | 5s 1 | 2s 3 | 18s26 | 0n15 | 12s56 | 1n54 | 5n50 | 12s36 | 9n22 | 9n50 | 18s56 | 4n 8 | 2n41 |

Julian Day Number = 2138232.5, Delta T = 15m39s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'49, Lahiri = 11°53'50 Julian Calendar 1 March 1142 == Greg. Calendar 8 March 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## APRIL 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 1 38 | 17♈16'01 | 23♉49 | 2♉30 | 17♉18 | 23♓27 | 6♑54 | 22♓17 | 23°R14 | 9°R30 | 20♉44 | 5°R51 | 4♍38 | 12♑ 3 | 4♈15 | W 1 |
| T 2 | 13 5 35 | 18°14'31 | 8♊ 2 | 2°R31 | 18°31 | 24°14 | 6°57 | 22°24 | 23♏13 | 9♏28 | 20°45 | 5♍45 | 4°35 | 12°10 | 4°18 | T 2 |
| F 3 | 13 9 31 | 19°12'59 | 22°18 | 2°26 | 19°43 | 25° 0 | 7° 0 | 22°31 | 23°11 | 9°27 | 20°46 | 5°41 | 4°31 | 12°16 | 4°22 | F 3 |
| S 4 | 13 13 28 | 20°11'26 | 6♋33 | 2°16 | 20°55 | 25°46 | 7° 2 | 22°38 | 23° 9 | 9°25 | 20°47 | 5°38 | 4°28 | 12°23 | 4°25 | S 4 |
| S 5 | 13 17 24 | 21° 9'50 | 20°45 | 2° 0 | 22° 7 | 26°32 | 7° 5 | 22°45 | 23° 7 | 9°24 | 20°49 | 5°D37 | 4°25 | 12°30 | 4°29 | S 5 |
| M 6 | 13 21 21 | 22° 8'11 | 4♌51 | 1°39 | 23°19 | 27°18 | 7° 7 | 22°52 | 23° 5 | 9°22 | 20°50 | 5°38 | 4°22 | 12°37 | 4°32 | M 6 |
| T 7 | 13 25 17 | 23° 6'31 | 18°51 | 1°15 | 24°31 | 28° 4 | 7°10 | 22°59 | 23° 3 | 9°21 | 20°51 | 5°39 | 4°19 | 12°43 | 4°36 | T 7 |
| W 8 | 13 29 14 | 24° 4'48 | 2♍44 | 0°46 | 25°43 | 28°50 | 7°12 | 23° 6 | 23° 1 | 9°19 | 20°52 | 5°R40 | 4°15 | 12°50 | 4°39 | W 8 |
| T 9 | 13 33 10 | 25° 3'04 | 16°28 | 0°14 | 26°55 | 29°36 | 7°14 | 23°12 | 22°59 | 9°18 | 20°53 | 5°39 | 4°12 | 12°57 | 4°43 | T 9 |
| F 10 | 13 37 7 | 26° 1'17 | 0♎ 3 | 29♈39 | 28° 7 | 0♈22 | 7°15 | 23°19 | 22°57 | 9°16 | 20°55 | 5°37 | 4° 9 | 13° 3 | 4°46 | F 10 |
| S 11 | 13 41 4 | 26°59'28 | 13°27 | 29° 2 | 29°19 | 1° 8 | 7°17 | 23°26 | 22°54 | 9°14 | 20°56 | 5°32 | 4° 6 | 13°10 | 4°50 | S 11 |
| S 12 | 13 45 0 | 27°57'38 | 26°38 | 28°24 | 0♊31 | 1°54 | 7°18 | 23°32 | 22°52 | 9°13 | 20°57 | 5°25 | 4° 3 | 13°17 | 4°53 | S 12 |
| M13 | 13 48 57 | 28°55'46 | 9♏36 | 27°46 | 1°42 | 2°40 | 7°19 | 23°39 | 22°50 | 9°11 | 20°58 | 5°16 | 4° 0 | 13°23 | 4°56 | M13 |
| T 14 | 13 52 53 | 29°53'52 | 22°19 | 27° 7 | 2°54 | 3°26 | 7°20 | 23°46 | 22°48 | 9°10 | 21° 0 | 5° 6 | 3°56 | 13°30 | 5° 0 | T 14 |
| W15 | 13 56 50 | 0♉51'56 | 4♐47 | 26°29 | 4° 5 | 4°11 | 7°21 | 23°52 | 22°46 | 9° 8 | 21° 1 | 4°56 | 3°53 | 13°37 | 5° 3 | W15 |
| T 16 | 14 0 46 | 1°49'59 | 17° 2 | 25°53 | 5°17 | 4°57 | 7°21 | 23°59 | 22°43 | 9° 6 | 21° 2 | 4°48 | 3°50 | 13°43 | 5° 6 | T 16 |
| F 17 | 14 4 43 | 2°48'01 | 29° 5 | 25°18 | 6°28 | 5°43 | 7°22 | 24° 5 | 22°41 | 9° 5 | 21° 4 | 4°40 | 3°47 | 13°50 | 5°10 | F 17 |
| S 18 | 14 8 39 | 3°46'01 | 11♑ 0 | 24°46 | 7°40 | 6°28 | 7°R22 | 24°12 | 22°39 | 9° 3 | 21° 5 | 4°36 | 3°44 | 13°57 | 5°13 | S 18 |
| S 19 | 14 12 36 | 4°43'59 | 22°51 | 24°17 | 8°51 | 7°14 | 7°22 | 24°18 | 22°37 | 9° 2 | 21° 6 | 4°33 | 3°40 | 14° 4 | 5°16 | S 19 |
| M20 | 14 16 33 | 5°41'57 | 4♒42 | 23°52 | 10° 2 | 7°59 | 7°22 | 24°24 | 22°34 | 9° 0 | 21° 7 | 4°D32 | 3°37 | 14°10 | 5°19 | M20 |
| T 21 | 14 20 29 | 6°39'53 | 16°39 | 23°30 | 11°13 | 8°45 | 7°21 | 24°30 | 22°32 | 8°58 | 21° 9 | 4°32 | 3°34 | 14°17 | 5°23 | T 21 |
| W22 | 14 24 26 | 7°37'47 | 28°47 | 23°13 | 12°24 | 9°30 | 7°21 | 24°37 | 22°30 | 8°57 | 21°10 | 4°R33 | 3°31 | 14°24 | 5°26 | W22 |
| T 23 | 14 28 22 | 8°35'40 | 11♓12 | 23° 0 | 13°35 | 10°16 | 7°20 | 24°43 | 22°27 | 8°55 | 21°11 | 4°33 | 3°28 | 14°30 | 5°29 | T 23 |
| F 24 | 14 32 19 | 9°33'32 | 23°56 | 22°51 | 14°46 | 11° 1 | 7°19 | 24°49 | 22°25 | 8°54 | 21°13 | 4°31 | 3°25 | 14°37 | 5°32 | F 24 |
| S 25 | 14 36 15 | 10°31'23 | 7♈ 5 | 22°D46 | 15°57 | 11°46 | 7°18 | 24°55 | 22°22 | 8°52 | 21°14 | 4°27 | 3°21 | 14°44 | 5°35 | S 25 |
| S 26 | 14 40 12 | 11°29'12 | 20°38 | 22°47 | 17° 7 | 12°31 | 7°17 | 25° 1 | 22°20 | 8°50 | 21°15 | 4°21 | 3°18 | 14°50 | 5°38 | S 26 |
| M27 | 14 44 8 | 12°27'00 | 4♉35 | 22°52 | 18°18 | 13°17 | 7°15 | 25° 7 | 22°17 | 8°49 | 21°17 | 4°12 | 3°15 | 14°57 | 5°41 | M27 |
| T 28 | 14 48 5 | 13°24'47 | 18°52 | 23° 1 | 19°29 | 14° 2 | 7°13 | 25°13 | 22°15 | 8°47 | 21°18 | 4° 2 | 3°12 | 15° 4 | 5°44 | T 28 |
| W29 | 14 52 1 | 14°22'32 | 3♊24 | 23°15 | 20°39 | 14°47 | 7°12 | 25°19 | 22°13 | 8°45 | 21°19 | 3°51 | 3° 9 | 15°10 | 5°47 | W29 |
| T 30 | 14 55 58 | 15♉20'16 | 18♊ 3 | 23♈34 | 21♊50 | 15♈32 | 7♑10 | 25♓24 | 22♏10 | 8♏44 | 21♉21 | 3♍42 | 3♍ 6 | 15♑17 | 5♈50 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n49 | 13n56 | 5s 3 | 15n12 | 3n 0 | 17n44 | 0n41 | 3s34 | 1s 3 | 23s13 | 0n 9 | 4s58 | 2s 3 | 18s25 | 0n15 | 12s55 | 1n54 | 5n51 | 12s36 | 9n25 | 9n51 | 18s56 | 4n 9 | 2n41 |
| T 2 | 7 11 | 16 40 | 5 9 | 15 9 | 2 55 | 18 7 | 0 44 | 3 16 | 1 3 | 23 13 | 0 9 | 4 55 | 2 4 | 18 25 | 0 15 | 12 55 | 1 54 | 5 51 | 12 36 | 9 27 | 9 53 | 18 55 | 4 11 | 2 41 |
| F 3 | 7 33 | 18 23 | 4 56 | 15 2 | 2 50 | 18 30 | 0 47 | 2 57 | 1 3 | 23 13 | 0 8 | 4 52 | 2 4 | 18 25 | 0 15 | 12 54 | 1 54 | 5 52 | 12 36 | 9 28 | 9 54 | 18 55 | 4 12 | 2 41 |
| S 4 | 7 56 | 18 58 | 4 26 | 14 51 | 2 43 | 18 52 | 0 50 | 2 39 | 1 2 | 23 13 | 0 8 | 4 50 | 2 4 | 18 24 | 0 15 | 12 54 | 1 54 | 5 52 | 12 35 | 9 29 | 9 55 | 18 55 | 4 13 | 2 41 |
| S 5 | 8 18 | 18 20 | 3 39 | 14 38 | 2 34 | 19 14 | 0 52 | 2 20 | 1 2 | 23 13 | 0 8 | 4 47 | 2 4 | 18 24 | 0 15 | 12 53 | 1 54 | 5 53 | 12 35 | 9 30 | 9 56 | 18 55 | 4 15 | 2 41 |
| M 6 | 8 40 | 16 34 | 2 39 | 14 21 | 2 24 | 19 35 | 0 55 | 2 1 | 1 2 | 23 13 | 0 8 | 4 45 | 2 4 | 18 23 | 0 15 | 12 53 | 1 54 | 5 53 | 12 35 | 9 29 | 9 57 | 18 55 | 4 16 | 2 41 |
| T 7 | 9 1 | 13 49 | 1 30 | 14 2 | 2 13 | 19 56 | 0 58 | 1 43 | 1 2 | 23 13 | 0 8 | 4 42 | 2 4 | 18 23 | 0 15 | 12 52 | 1 54 | 5 54 | 12 35 | 9 29 | 9 58 | 18 55 | 4 17 | 2 41 |
| W 8 | 9 23 | 10 18 | 0 16 | 13 41 | 2 1 | 20 16 | 1 1 | 1 24 | 1 1 | 23 13 | 0 8 | 4 39 | 2 4 | 18 22 | 0 15 | 12 52 | 1 54 | 5 54 | 12 35 | 9 29 | 10 0 | 18 55 | 4 19 | 2 41 |
| T 9 | 9 44 | 6 15 | 0n58 | 13 17 | 1 48 | 20 36 | 1 4 | 1 5 | 1 1 | 23 13 | 0 8 | 4 37 | 2 4 | 18 22 | 0 15 | 12 51 | 1 54 | 5 54 | 12 35 | 9 29 | 10 1 | 18 55 | 4 20 | 2 41 |
| F 10 | 10 6 | 1 56 | 2 8 | 12 51 | 1 33 | 20 55 | 1 7 | 0 47 | 1 1 | 23 13 | 0 8 | 4 34 | 2 5 | 18 21 | 0 15 | 12 51 | 1 54 | 5 55 | 12 35 | 9 30 | 10 2 | 18 55 | 4 22 | 2 41 |
| S 11 | 10 27 | 2s26 | 3 9 | 12 24 | 1 18 | 21 13 | 1 9 | 0 28 | 1 0 | 23 13 | 0 8 | 4 32 | 2 5 | 18 20 | 0 15 | 12 50 | 1 54 | 5 55 | 12 34 | 9 32 | 10 3 | 18 55 | 4 23 | 2 41 |
| S 12 | 10 48 | 6 36 | 3 59 | 11 55 | 1 2 | 21 31 | 1 12 | 0 10 | 1 0 | 23 13 | 0 8 | 4 29 | 2 5 | 18 20 | 0 15 | 12 50 | 1 54 | 5 56 | 12 34 | 9 34 | 10 4 | 18 55 | 4 24 | 2 41 |
| M13 | 11 9 | 10 24 | 4 36 | 11 26 | 0 45 | 21 49 | 1 15 | 0n 9 | 1 0 | 23 13 | 0 7 | 4 27 | 2 5 | 18 19 | 0 15 | 12 49 | 1 54 | 5 56 | 12 34 | 9 37 | 10 5 | 18 55 | 4 26 | 2 41 |
| T 14 | 11 29 | 13 38 | 4 58 | 10 56 | 0 28 | 22 6 | 1 17 | 0 28 | 0 59 | 23 13 | 0 7 | 4 24 | 2 5 | 18 19 | 0 15 | 12 49 | 1 54 | 5 57 | 12 34 | 9 41 | 10 7 | 18 55 | 4 27 | 2 41 |
| W15 | 11 50 | 16 11 | 5 5 | 10 26 | 0 11 | 22 22 | 1 20 | 0 46 | 0 59 | 23 13 | 0 7 | 4 22 | 2 5 | 18 18 | 0 15 | 12 48 | 1 54 | 5 57 | 12 34 | 9 45 | 10 8 | 18 54 | 4 28 | 2 41 |
| T 16 | 12 10 | 17 58 | 4 58 | 9 57 | 0s 6 | 22 38 | 1 23 | 1 5 | 0 59 | 23 13 | 0 7 | 4 19 | 2 6 | 18 18 | 0 15 | 12 48 | 1 54 | 5 58 | 12 34 | 9 48 | 10 9 | 18 54 | 4 30 | 2 41 |
| F 17 | 12 30 | 18 54 | 4 38 | 9 29 | 0 23 | 22 53 | 1 25 | 1 23 | 0 58 | 23 14 | 0 7 | 4 17 | 2 6 | 18 17 | 0 15 | 12 47 | 1 54 | 5 58 | 12 34 | 9 50 | 10 10 | 18 54 | 4 31 | 2 41 |
| S 18 | 12 50 | 19 0 | 4 6 | 9 1 | 0 40 | 23 8 | 1 28 | 1 42 | 0 58 | 23 14 | 0 7 | 4 14 | 2 6 | 18 17 | 0 15 | 12 47 | 1 54 | 5 58 | 12 34 | 9 52 | 10 11 | 18 54 | 4 32 | 2 41 |
| S 19 | 13 9 | 18 15 | 3 24 | 8 35 | 0 56 | 23 22 | 1 30 | 2 0 | 0 58 | 23 14 | 0 7 | 4 12 | 2 6 | 18 16 | 0 15 | 12 46 | 1 54 | 5 59 | 12 33 | 9 53 | 10 12 | 18 54 | 4 34 | 2 41 |
| M20 | 13 29 | 16 42 | 2 33 | 8 11 | 1 12 | 23 35 | 1 33 | 2 18 | 0 57 | 23 14 | 0 7 | 4 10 | 2 6 | 18 15 | 0 15 | 12 46 | 1 54 | 5 59 | 12 33 | 9 54 | 10 13 | 18 54 | 4 35 | 2 41 |
| T 21 | 13 48 | 14 25 | 1 34 | 7 49 | 1 27 | 23 47 | 1 35 | 2 37 | 0 57 | 23 14 | 0 7 | 4 7 | 2 6 | 18 15 | 0 15 | 12 45 | 1 54 | 6 0 | 12 33 | 9 53 | 10 15 | 18 54 | 4 36 | 2 41 |
| W22 | 14 7 | 11 28 | 0 31 | 7 29 | 1 42 | 23 59 | 1 37 | 2 55 | 0 57 | 23 14 | 0 6 | 4 5 | 2 7 | 18 14 | 0 15 | 12 45 | 1 54 | 6 0 | 12 33 | 9 53 | 10 16 | 18 54 | 4 37 | 2 41 |
| T 23 | 14 26 | 7 57 | 0s35 | 7 11 | 1 56 | 24 11 | 1 39 | 3 13 | 0 56 | 23 14 | 0 6 | 4 3 | 2 7 | 18 14 | 0 15 | 12 44 | 1 54 | 6 1 | 12 33 | 9 53 | 10 17 | 18 54 | 4 39 | 2 41 |
| F 24 | 14 44 | 3 58 | 1 42 | 6 56 | 2 8 | 24 21 | 1 42 | 3 31 | 0 56 | 23 14 | 0 6 | 4 1 | 2 7 | 18 13 | 0 15 | 12 44 | 1 54 | 6 1 | 12 33 | 9 54 | 10 18 | 18 53 | 4 40 | 2 41 |
| S 25 | 15 3 | 0n19 | 2 44 | 6 44 | 2 20 | 24 31 | 1 44 | 3 49 | 0 55 | 23 15 | 0 6 | 3 58 | 2 7 | 18 12 | 0 15 | 12 43 | 1 54 | 6 1 | 12 33 | 9 55 | 10 19 | 18 53 | 4 41 | 2 41 |
| S 26 | 15 21 | 4 42 | 3 39 | 6 33 | 2 31 | 24 41 | 1 46 | 4 8 | 0 55 | 23 15 | 0 6 | 3 56 | 2 7 | 18 12 | 0 15 | 12 43 | 1 54 | 6 2 | 12 33 | 9 58 | 10 20 | 18 53 | 4 42 | 2 41 |
| M27 | 15 39 | 8 58 | 4 23 | 6 26 | 2 41 | 24 49 | 1 48 | 4 26 | 0 55 | 23 15 | 0 6 | 3 54 | 2 7 | 18 11 | 0 15 | 12 42 | 1 54 | 6 2 | 12 33 | 10 1 | 10 22 | 18 53 | 4 44 | 2 41 |
| T 28 | 15 56 | 12 50 | 4 52 | 6 21 | 2 50 | 24 57 | 1 50 | 4 43 | 0 54 | 23 15 | 0 6 | 3 52 | 2 8 | 18 10 | 0 15 | 12 42 | 1 54 | 6 3 | 12 33 | 10 5 | 10 23 | 18 53 | 4 45 | 2 41 |
| W29 | 16 13 | 15 59 | 5 2 | 6 19 | 2 58 | 25 5 | 1 52 | 5 1 | 0 54 | 23 15 | 0 6 | 3 50 | 2 8 | 18 10 | 0 15 | 12 41 | 1 54 | 6 3 | 12 33 | 10 8 | 10 24 | 18 53 | 4 46 | 2 41 |
| T 30 | 16n31 | 18n 9 | 4s53 | 6n19 | 3s 5 | 25n11 | 1n54 | 5n19 | 0s53 | 23s16 | 0n 6 | 3s47 | 2s 8 | 18s 9 | 0n15 | 12s41 | 1n54 | 6n 3 | 12s32 | 10n12 | 10n25 | 18s53 | 4n47 | 2n41 |

Julian Day Number = 2138263.5, Delta T = 15m38s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'53, Lahiri = 11°53'54 Julian Calendar 1 Apr. 1142 == Greg. Calendar 8 Apr. 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## MAY 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 59 55 | 16♉17'58 | 2♋42 | 23♈57 | 23♊ 0 | 16♈17 | 7°R 7 | 25♓30 | 22°R 8 | 8°R42 | 21♉22 | 3°R34 | 3♍ 2 | 15♑24 | 5♈53 | F 1 |
| S 2 | 15 3 51 | 17°15'39 | 17°15 | 24°24 | 24°10 | 17° 2 | 7♑ 5 | 25°36 | 22♏ 5 | 8♏41 | 21°24 | 3♍28 | 2°59 | 15°30 | 5°56 | S 2 |
| S 3 | 15 7 48 | 18°13'18 | 1♌36 | 24°55 | 25°20 | 17°47 | 7° 2 | 25°41 | 22° 3 | 8°39 | 21°25 | 3°26 | 2°56 | 15°37 | 5°59 | S 3 |
| M 4 | 15 11 44 | 19°10'55 | 15°44 | 25°30 | 26°30 | 18°31 | 6°59 | 25°47 | 22° 0 | 8°37 | 21°26 | 3°D25 | 2°53 | 15°44 | 6° 2 | M 4 |
| T 5 | 15 15 41 | 20° 8'31 | 29°37 | 26°10 | 27°40 | 19°16 | 6°56 | 25°52 | 21°58 | 8°36 | 21°28 | 3°R25 | 2°50 | 15°51 | 6° 5 | T 5 |
| W 6 | 15 19 37 | 21° 6'06 | 13♍16 | 26°53 | 28°50 | 20° 1 | 6°53 | 25°57 | 21°55 | 8°34 | 21°29 | 3°25 | 2°46 | 15°57 | 6° 8 | W 6 |
| T 7 | 15 23 34 | 22° 3'38 | 26°41 | 27°39 | 29°59 | 20°46 | 6°50 | 26° 3 | 21°53 | 8°33 | 21°30 | 3°23 | 2°43 | 16° 4 | 6°10 | T 7 |
| F 8 | 15 27 30 | 23° 1'10 | 9♎55 | 28°30 | 1♋ 9 | 21°30 | 6°46 | 26° 8 | 21°50 | 8°31 | 21°32 | 3°19 | 2°40 | 16°11 | 6°13 | F 8 |
| S 9 | 15 31 27 | 23°58'40 | 22°56 | 29°23 | 2°19 | 22°15 | 6°43 | 26°13 | 21°48 | 8°29 | 21°33 | 3°12 | 2°37 | 16°17 | 6°16 | S 9 |
| S 10 | 15 35 24 | 24°56'08 | 5♏47 | 0♉21 | 3°28 | 22°59 | 6°39 | 26°18 | 21°45 | 8°28 | 21°34 | 3° 2 | 2°34 | 16°24 | 6°18 | S 10 |
| M11 | 15 39 20 | 25°53'36 | 18°26 | 1°21 | 4°38 | 23°44 | 6°35 | 26°23 | 21°43 | 8°26 | 21°36 | 2°50 | 2°31 | 16°31 | 6°21 | M11 |
| T 12 | 15 43 17 | 26°51'02 | 0♐55 | 2°25 | 5°47 | 24°28 | 6°31 | 26°28 | 21°40 | 8°25 | 21°37 | 2°37 | 2°27 | 16°37 | 6°24 | T 12 |
| W13 | 15 47 13 | 27°48'28 | 13°12 | 3°32 | 6°56 | 25°12 | 6°26 | 26°33 | 21°38 | 8°23 | 21°38 | 2°24 | 2°24 | 16°44 | 6°26 | W13 |
| T 14 | 15 51 10 | 28°45'53 | 25°19 | 4°42 | 8° 5 | 25°57 | 6°22 | 26°38 | 21°35 | 8°22 | 21°40 | 2°12 | 2°21 | 16°51 | 6°29 | T 14 |
| F 15 | 15 55 6 | 29°43'16 | 7♑18 | 5°55 | 9°14 | 26°41 | 6°17 | 26°43 | 21°33 | 8°20 | 21°41 | 2° 2 | 2°18 | 16°57 | 6°31 | F 15 |
| S 16 | 15 59 3 | 0♊40'39 | 19°10 | 7°11 | 10°23 | 27°25 | 6°12 | 26°47 | 21°30 | 8°19 | 21°43 | 1°54 | 2°15 | 17° 4 | 6°33 | S 16 |
| S 17 | 16 3 0 | 1°38'02 | 0♒59 | 8°30 | 11°32 | 28° 9 | 6° 7 | 26°52 | 21°28 | 8°17 | 21°44 | 1°49 | 2°12 | 17°11 | 6°36 | S 17 |
| M18 | 16 6 56 | 2°35'23 | 12°49 | 9°51 | 12°40 | 28°53 | 6° 2 | 26°56 | 21°26 | 8°16 | 21°45 | 1°46 | 2° 8 | 17°17 | 6°38 | M18 |
| T 19 | 16 10 53 | 3°32'44 | 24°45 | 11°16 | 13°49 | 29°37 | 5°57 | 27° 1 | 21°23 | 8°14 | 21°47 | 1°46 | 2° 5 | 17°24 | 6°41 | T 19 |
| W20 | 16 14 49 | 4°30'04 | 6♓52 | 12°44 | 14°57 | 0♉21 | 5°52 | 27° 5 | 21°21 | 8°13 | 21°48 | 1°45 | 2° 2 | 17°31 | 6°43 | W20 |
| T 21 | 16 18 46 | 5°27'24 | 19°15 | 14°14 | 16° 5 | 1° 5 | 5°46 | 27° 9 | 21°18 | 8°12 | 21°49 | 1°45 | 1°59 | 17°38 | 6°45 | T 21 |
| F 22 | 16 22 42 | 6°24'44 | 1♈59 | 15°47 | 17°13 | 1°49 | 5°40 | 27°14 | 21°16 | 8°10 | 21°51 | 1°43 | 1°56 | 17°44 | 6°47 | F 22 |
| S 23 | 16 26 39 | 7°22'02 | 15° 9 | 17°23 | 18°21 | 2°32 | 5°35 | 27°18 | 21°14 | 8° 9 | 21°52 | 1°39 | 1°52 | 17°51 | 6°49 | S 23 |
| S 24 | 16 30 35 | 8°19'21 | 28°47 | 19° 1 | 19°29 | 3°16 | 5°29 | 27°22 | 21°11 | 8° 7 | 21°53 | 1°33 | 1°49 | 17°58 | 6°51 | S 24 |
| M25 | 16 34 32 | 9°16'39 | 12♉53 | 20°43 | 20°37 | 4° 0 | 5°23 | 27°26 | 21° 9 | 8° 6 | 21°55 | 1°24 | 1°46 | 18° 4 | 6°53 | M25 |
| T 26 | 16 38 28 | 10°13'56 | 27°25 | 22°27 | 21°44 | 4°43 | 5°16 | 27°30 | 21° 7 | 8° 5 | 21°56 | 1°13 | 1°43 | 18°11 | 6°56 | T 26 |
| W27 | 16 42 25 | 11°11'13 | 12♊15 | 24°13 | 22°52 | 5°27 | 5°10 | 27°33 | 21° 4 | 8° 4 | 21°57 | 1° 2 | 1°40 | 18°18 | 6°57 | W27 |
| T 28 | 16 46 22 | 12° 8'29 | 27°15 | 26° 3 | 23°59 | 6°10 | 5° 4 | 27°37 | 21° 2 | 8° 2 | 21°58 | 0°52 | 1°37 | 18°24 | 6°59 | T 28 |
| F 29 | 16 50 18 | 13° 5'45 | 12♋17 | 27°55 | 25° 6 | 6°54 | 4°57 | 27°41 | 21° 0 | 8° 1 | 22° 0 | 0°44 | 1°33 | 18°31 | 7° 1 | F 29 |
| S 30 | 16 54 15 | 14° 3'00 | 27°10 | 29°49 | 26°13 | 7°37 | 4°50 | 27°44 | 20°58 | 8° 0 | 22° 1 | 0°38 | 1°30 | 18°38 | 7° 3 | S 30 |
| S 31 | 16 58 11 | 15♊ 0'15 | 11♌47 | 1♊46 | 27♋20 | 8♉20 | 4♑44 | 27♓48 | 20♏55 | 7♏58 | 22♉ 2 | 0♍35 | 1♍27 | 18♑44 | 7♈ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n47 | 19n 7 | 4s24 | 6n22 | 3s11 | 25n17 | 1n56 | 5n37 | 0s53 | 23s16 | 0n 5 | 3s45 | 2s 8 | 18s 9 | 0n15 | 12s40 | 1n54 | 6n 4 | 12s32 | 10n15 | 10n26 | 18s52 | 4n49 | 2n41 |
| S 2 | 17 4 | 18 49 | 3 39 | 6 27 | 3 17 | 25 22 | 1 57 | 5 55 | 0 53 | 23 16 | 0 5 | 3 43 | 2 8 | 18 8 | 0 15 | 12 40 | 1 54 | 6 4 | 12 32 | 10 17 | 10 27 | 18 52 | 4 50 | 2 41 |
| S 3 | 17 20 | 17 17 | 2 40 | 6 35 | 3 21 | 25 27 | 1 59 | 6 12 | 0 52 | 23 16 | 0 5 | 3 41 | 2 9 | 18 7 | 0 15 | 12 39 | 1 54 | 6 4 | 12 32 | 10 18 | 10 28 | 18 52 | 4 51 | 2 41 |
| M 4 | 17 36 | 14 43 | 1 32 | 6 44 | 3 24 | 25 31 | 2 1 | 6 30 | 0 52 | 23 17 | 0 5 | 3 39 | 2 9 | 18 7 | 0 15 | 12 39 | 1 54 | 6 5 | 12 32 | 10 18 | 10 30 | 18 52 | 4 52 | 2 41 |
| T 5 | 17 52 | 11 21 | 0 20 | 6 56 | 3 27 | 25 34 | 2 2 | 6 47 | 0 51 | 23 17 | 0 5 | 3 37 | 2 9 | 18 6 | 0 15 | 12 38 | 1 54 | 6 5 | 12 32 | 10 18 | 10 31 | 18 52 | 4 53 | 2 41 |
| W 6 | 18 7 | 7 24 | 0n52 | 7 10 | 3 28 | 25 36 | 2 3 | 7 5 | 0 51 | 23 17 | 0 5 | 3 35 | 2 9 | 18 5 | 0 15 | 12 38 | 1 54 | 6 6 | 12 32 | 10 18 | 10 32 | 18 52 | 4 54 | 2 41 |
| T 7 | 18 22 | 3 9 | 2 0 | 7 26 | 3 29 | 25 38 | 2 5 | 7 22 | 0 50 | 23 18 | 0 5 | 3 33 | 2 9 | 18 5 | 0 15 | 12 37 | 1 54 | 6 6 | 12 32 | 10 19 | 10 33 | 18 51 | 4 56 | 2 41 |
| F 8 | 18 37 | 1s11 | 3 0 | 7 44 | 3 29 | 25 39 | 2 6 | 7 39 | 0 50 | 23 18 | 0 5 | 3 31 | 2 10 | 18 4 | 0 15 | 12 37 | 1 54 | 6 6 | 12 32 | 10 20 | 10 34 | 18 51 | 4 57 | 2 41 |
| S 9 | 18 51 | 5 24 | 3 50 | 8 4 | 3 28 | 25 39 | 2 7 | 7 56 | 0 49 | 23 18 | 0 4 | 3 30 | 2 10 | 18 3 | 0 15 | 12 36 | 1 54 | 6 7 | 12 32 | 10 23 | 10 35 | 18 51 | 4 58 | 2 41 |
| S 10 | 19 5 | 9 18 | 4 27 | 8 25 | 3 26 | 25 39 | 2 8 | 8 13 | 0 49 | 23 19 | 0 4 | 3 28 | 2 10 | 18 3 | 0 15 | 12 36 | 1 54 | 6 7 | 12 32 | 10 26 | 10 36 | 18 51 | 4 59 | 2 41 |
| M11 | 19 19 | 12 44 | 4 51 | 8 49 | 3 24 | 25 37 | 2 9 | 8 30 | 0 48 | 23 19 | 0 4 | 3 26 | 2 10 | 18 2 | 0 15 | 12 35 | 1 54 | 6 7 | 12 32 | 10 30 | 10 38 | 18 51 | 5 0 | 2 41 |
| T 12 | 19 33 | 15 32 | 5 0 | 9 13 | 3 21 | 25 36 | 2 10 | 8 47 | 0 48 | 23 19 | 0 4 | 3 24 | 2 10 | 18 2 | 0 15 | 12 35 | 1 54 | 6 8 | 12 32 | 10 35 | 10 39 | 18 50 | 5 1 | 2 41 |
| W13 | 19 46 | 17 37 | 4 55 | 9 40 | 3 17 | 25 33 | 2 11 | 9 4 | 0 47 | 23 20 | 0 4 | 3 22 | 2 11 | 18 1 | 0 15 | 12 34 | 1 54 | 6 8 | 12 32 | 10 40 | 10 40 | 18 50 | 5 2 | 2 41 |
| T 14 | 19 58 | 18 52 | 4 36 | 10 7 | 3 13 | 25 30 | 2 12 | 9 20 | 0 47 | 23 20 | 0 4 | 3 21 | 2 11 | 18 0 | 0 15 | 12 34 | 1 54 | 6 8 | 12 32 | 10 44 | 10 41 | 18 50 | 5 3 | 2 41 |
| F 15 | 20 11 | 19 15 | 4 6 | 10 36 | 3 8 | 25 26 | 2 13 | 9 37 | 0 46 | 23 20 | 0 4 | 3 19 | 2 11 | 18 0 | 0 15 | 12 33 | 1 54 | 6 9 | 12 32 | 10 48 | 10 42 | 18 50 | 5 4 | 2 42 |
| S 16 | 20 23 | 18 47 | 3 25 | 11 6 | 3 2 | 25 21 | 2 13 | 9 53 | 0 46 | 23 21 | 0 3 | 3 17 | 2 11 | 17 59 | 0 15 | 12 33 | 1 54 | 6 9 | 12 32 | 10 51 | 10 43 | 18 50 | 5 5 | 2 42 |
| S 17 | 20 35 | 17 30 | 2 35 | 11 37 | 2 56 | 25 16 | 2 14 | 10 10 | 0 45 | 23 21 | 0 3 | 3 16 | 2 12 | 17 58 | 0 15 | 12 32 | 1 54 | 6 9 | 12 32 | 10 53 | 10 44 | 18 49 | 5 6 | 2 42 |
| M18 | 20 46 | 15 28 | 1 39 | 12 10 | 2 49 | 25 10 | 2 14 | 10 26 | 0 45 | 23 21 | 0 3 | 3 14 | 2 12 | 17 58 | 0 15 | 12 32 | 1 54 | 6 10 | 12 32 | 10 54 | 10 46 | 18 49 | 5 7 | 2 42 |
| T 19 | 20 57 | 12 45 | 0 37 | 12 43 | 2 42 | 25 3 | 2 14 | 10 42 | 0 44 | 23 22 | 0 3 | 3 13 | 2 12 | 17 57 | 0 15 | 12 31 | 1 54 | 6 10 | 12 32 | 10 54 | 10 47 | 18 49 | 5 8 | 2 42 |
| W20 | 21 8 | 9 27 | 0s27 | 13 17 | 2 34 | 24 56 | 2 15 | 10 58 | 0 44 | 23 22 | 0 3 | 3 11 | 2 12 | 17 57 | 0 15 | 12 31 | 1 54 | 6 10 | 12 32 | 10 54 | 10 48 | 18 49 | 5 9 | 2 42 |
| T 21 | 21 19 | 5 40 | 1 31 | 13 52 | 2 25 | 24 48 | 2 15 | 11 14 | 0 43 | 23 22 | 0 3 | 3 10 | 2 13 | 17 56 | 0 15 | 12 31 | 1 54 | 6 11 | 12 32 | 10 54 | 10 49 | 18 49 | 5 10 | 2 42 |
| F 22 | 21 29 | 1 32 | 2 33 | 14 28 | 2 17 | 24 40 | 2 15 | 11 30 | 0 43 | 23 23 | 0 3 | 3 8 | 2 13 | 17 55 | 0 15 | 12 30 | 1 54 | 6 11 | 12 32 | 10 55 | 10 50 | 18 48 | 5 11 | 2 42 |
| S 23 | 21 38 | 2n48 | 3 28 | 15 4 | 2 7 | 24 30 | 2 15 | 11 45 | 0 42 | 23 23 | 0 3 | 3 7 | 2 13 | 17 55 | 0 15 | 12 30 | 1 53 | 6 11 | 12 32 | 10 56 | 10 51 | 18 48 | 5 12 | 2 42 |
| S 24 | 21 48 | 7 8 | 4 14 | 15 40 | 1 58 | 24 20 | 2 14 | 12 1 | 0 41 | 23 24 | 0 2 | 3 5 | 2 13 | 17 54 | 0 15 | 12 29 | 1 53 | 6 11 | 12 32 | 10 58 | 10 52 | 18 48 | 5 13 | 2 42 |
| M25 | 21 57 | 11 14 | 4 46 | 16 17 | 1 48 | 24 10 | 2 14 | 12 16 | 0 41 | 23 24 | 0 2 | 3 4 | 2 14 | 17 54 | 0 15 | 12 29 | 1 53 | 6 12 | 12 32 | 11 2 | 10 54 | 18 48 | 5 14 | 2 42 |
| T 26 | 22 5 | 14 48 | 5 0 | 16 54 | 1 37 | 23 59 | 2 14 | 12 31 | 0 40 | 23 24 | 0 2 | 3 3 | 2 14 | 17 53 | 0 15 | 12 29 | 1 53 | 6 12 | 12 32 | 11 5 | 10 55 | 18 47 | 5 14 | 2 42 |
| W27 | 22 13 | 17 29 | 4 55 | 17 31 | 1 27 | 23 47 | 2 13 | 12 46 | 0 40 | 23 25 | 0 2 | 3 1 | 2 14 | 17 52 | 0 15 | 12 28 | 1 53 | 6 12 | 12 32 | 11 9 | 10 56 | 18 47 | 5 15 | 2 42 |
| T 28 | 22 21 | 19 1 | 4 30 | 18 7 | 1 16 | 23 35 | 2 12 | 13 1 | 0 39 | 23 25 | 0 2 | 3 0 | 2 14 | 17 52 | 0 15 | 12 28 | 1 53 | 6 13 | 12 32 | 11 13 | 10 57 | 18 47 | 5 16 | 2 42 |
| F 29 | 22 28 | 19 13 | 3 46 | 18 44 | 1 5 | 23 22 | 2 12 | 13 16 | 0 39 | 23 26 | 0 2 | 2 59 | 2 15 | 17 51 | 0 15 | 12 27 | 1 53 | 6 13 | 12 32 | 11 16 | 10 58 | 18 47 | 5 17 | 2 42 |
| S 30 | 22 35 | 18 5 | 2 47 | 19 20 | 0 54 | 23 9 | 2 11 | 13 31 | 0 38 | 23 26 | 0 2 | 2 58 | 2 15 | 17 51 | 0 15 | 12 27 | 1 53 | 6 13 | 12 33 | 11 18 | 10 59 | 18 46 | 5 18 | 2 42 |
| S 31 | 22n42 | 15n46 | 1s38 | 19n55 | 0s42 | 22n54 | 2n10 | 13n46 | 0s37 | 23s26 | 0n 1 | 2s57 | 2s15 | 17s50 | 0n15 | 12s27 | 1n53 | 6n13 | 12s33 | 11n19 | 11n 0 | 18s46 | 5n19 | 2n43 |

Julian Day Number = 2138293.5, Delta T = 15m38s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°46'58, Lahiri = 11°53'58 Julian Calendar 1 May 1142 == Greg. Calendar 8 May 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## JUNE 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 2 8 | 15♊57'28 | 26♌ 6 | 3♊45 | 28♋26 | 9♉ 4 | 4°R37 | 27♓51 | 20°R53 | 7°R57 | 22♉ 4 | 0°D34 | 1♍24 | 18♑51 | 7♈ 7 | M 1 |
| T 2 | 17 6 4 | 16°54'41 | 10♍ 3 | 5°46 | 29°33 | 9°47 | 4♑30 | 27°54 | 20♏51 | 7♏56 | 22° 5 | 0°R34 | 1°21 | 18°58 | 7° 8 | T 2 |
| W 3 | 17 10 1 | 17°51'53 | 23°39 | 7°49 | 0♌39 | 10°30 | 4°23 | 27°57 | 20°49 | 7°55 | 22° 6 | 0♍34 | 1°18 | 19° 4 | 7°10 | W 3 |
| T 4 | 17 13 58 | 18°49'04 | 6♎56 | 9°55 | 1°45 | 11°13 | 4°16 | 28° 0 | 20°47 | 7°54 | 22° 7 | 0°33 | 1°14 | 19°11 | 7°12 | T 4 |
| F 5 | 17 17 54 | 19°46'15 | 19°57 | 12° 1 | 2°51 | 11°56 | 4° 9 | 28° 3 | 20°45 | 7°53 | 22° 9 | 0°29 | 1°11 | 19°18 | 7°13 | F 5 |
| S 6 | 17 21 51 | 20°43'26 | 2♏44 | 14° 9 | 3°57 | 12°39 | 4° 1 | 28° 6 | 20°43 | 7°52 | 22°10 | 0°23 | 1° 8 | 19°24 | 7°15 | S 6 |
| S 7 | 17 25 47 | 21°40'35 | 15°18 | 16°18 | 5° 3 | 13°21 | 3°54 | 28° 9 | 20°41 | 7°51 | 22°11 | 0°15 | 1° 5 | 19°31 | 7°16 | S 7 |
| M 8 | 17 29 44 | 22°37'45 | 27°41 | 18°28 | 6° 8 | 14° 4 | 3°47 | 28°12 | 20°39 | 7°49 | 22°12 | 0° 4 | 1° 2 | 19°38 | 7°18 | M 8 |
| T 9 | 17 33 40 | 23°34'54 | 9♐55 | 20°39 | 7°13 | 14°47 | 3°39 | 28°14 | 20°37 | 7°48 | 22°13 | 29♌53 | 0°58 | 19°44 | 7°19 | T 9 |
| W10 | 17 37 37 | 24°32'03 | 22° 1 | 22°50 | 8°18 | 15°29 | 3°32 | 28°17 | 20°35 | 7°47 | 22°15 | 29°41 | 0°55 | 19°51 | 7°20 | W10 |
| T 11 | 17 41 33 | 25°29'12 | 4♑ 0 | 25° 1 | 9°23 | 16°12 | 3°24 | 28°19 | 20°33 | 7°46 | 22°16 | 29°30 | 0°52 | 19°58 | 7°22 | T 11 |
| F 12 | 17 45 30 | 26°26'21 | 15°54 | 27°11 | 10°28 | 16°55 | 3°17 | 28°22 | 20°31 | 7°46 | 22°17 | 29°21 | 0°49 | 20° 4 | 7°23 | F 12 |
| S 13 | 17 49 27 | 27°23'30 | 27°43 | 29°21 | 11°32 | 17°37 | 3° 9 | 28°24 | 20°29 | 7°45 | 22°18 | 29°14 | 0°46 | 20°11 | 7°24 | S 13 |
| S 14 | 17 53 23 | 28°20'39 | 9♒32 | 1♋31 | 12°36 | 18°19 | 3° 2 | 28°26 | 20°27 | 7°44 | 22°19 | 29°10 | 0°43 | 20°18 | 7°25 | S 14 |
| M15 | 17 57 20 | 29°17'48 | 21°22 | 3°39 | 13°40 | 19° 2 | 2°54 | 28°28 | 20°26 | 7°43 | 22°20 | 29° 8 | 0°39 | 20°25 | 7°26 | M15 |
| T 16 | 18 1 16 | 0♋14'57 | 3♓18 | 5°46 | 14°44 | 19°44 | 2°46 | 28°30 | 20°24 | 7°42 | 22°21 | 29°D 8 | 0°36 | 20°31 | 7°27 | T 16 |
| W17 | 18 5 13 | 1°12'07 | 15°25 | 7°52 | 15°47 | 20°26 | 2°39 | 28°32 | 20°22 | 7°41 | 22°23 | 29° 8 | 0°33 | 20°38 | 7°28 | W17 |
| T 18 | 18 9 9 | 2° 9'17 | 27°46 | 9°56 | 16°51 | 21° 8 | 2°31 | 28°33 | 20°21 | 7°40 | 22°24 | 29°R 9 | 0°30 | 20°45 | 7°29 | T 18 |
| F 19 | 18 13 6 | 3° 6'27 | 10♈29 | 11°59 | 17°53 | 21°50 | 2°23 | 28°35 | 20°19 | 7°40 | 22°25 | 29° 9 | 0°27 | 20°51 | 7°30 | F 19 |
| S 20 | 18 17 2 | 4° 3'38 | 23°35 | 14° 0 | 18°56 | 22°32 | 2°15 | 28°37 | 20°17 | 7°39 | 22°26 | 29° 7 | 0°23 | 20°58 | 7°31 | S 20 |
| S 21 | 18 20 59 | 5° 0'49 | 7♉10 | 16° 0 | 19°59 | 23°14 | 2° 8 | 28°38 | 20°16 | 7°38 | 22°27 | 29° 3 | 0°20 | 21° 5 | 7°31 | S 21 |
| M22 | 18 24 56 | 5°58'01 | 21°14 | 17°57 | 21° 1 | 23°56 | 2° 0 | 28°39 | 20°14 | 7°37 | 22°28 | 28°57 | 0°17 | 21°11 | 7°32 | M22 |
| T 23 | 18 28 52 | 6°55'13 | 5♊46 | 19°53 | 22° 3 | 24°38 | 1°52 | 28°41 | 20°13 | 7°37 | 22°29 | 28°50 | 0°14 | 21°18 | 7°33 | T 23 |
| W24 | 18 32 49 | 7°52'26 | 20°40 | 21°47 | 23° 4 | 25°19 | 1°45 | 28°42 | 20°11 | 7°36 | 22°30 | 28°43 | 0°11 | 21°25 | 7°33 | W24 |
| T 25 | 18 36 45 | 8°49'39 | 5♋49 | 23°40 | 24° 6 | 26° 1 | 1°37 | 28°43 | 20°10 | 7°36 | 22°31 | 28°35 | 0° 8 | 21°31 | 7°34 | T 25 |
| F 26 | 18 40 42 | 9°46'53 | 21° 3 | 25°30 | 25° 7 | 26°43 | 1°29 | 28°44 | 20° 9 | 7°35 | 22°32 | 28°30 | 0° 4 | 21°38 | 7°35 | F 26 |
| S 27 | 18 44 38 | 10°44'07 | 6♌11 | 27°18 | 26° 7 | 27°24 | 1°22 | 28°45 | 20° 8 | 7°35 | 22°33 | 28°26 | 0° 1 | 21°45 | 7°35 | S 27 |
| S 28 | 18 48 35 | 11°41'21 | 21° 4 | 29° 5 | 27° 8 | 28° 5 | 1°14 | 28°45 | 20° 6 | 7°34 | 22°34 | 28°24 | 29♌58 | 21°51 | 7°35 | S 28 |
| M29 | 18 52 31 | 12°38'36 | 5♍36 | 0♌50 | 28° 8 | 28°47 | 1° 7 | 28°46 | 20° 5 | 7°34 | 22°35 | 28°D24 | 29°55 | 21°58 | 7°36 | M29 |
| T 30 | 18 56 28 | 13♋35'51 | 19♍44 | 2♌33 | 29♌ 7 | 29♉28 | 1♑ 0 | 28♓46 | 20♏ 4 | 7♏33 | 22♉36 | 28♌25 | 29♌52 | 22♑ 5 | 7♈36 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n48 | 12n30 | 0s24 | 20n29 | 0s31 | 22n40 | 2n 9 | 14n 0 | 0s37 | 23s27 | 0n 1 | 2s56 | 2s15 | 17s49 | 0n15 | 12s26 | 1n53 | 6n14 | 12s33 | 11n19 | 11n 2 | 18s46 | 5n19 | 2n43 |
| T 2 | 22 54 | 8 37 | 0n50 | 21 3 | 0 20 | 22 25 | 2 7 | 14 14 | 0 36 | 23 27 | 0 1 | 2 55 | 2 16 | 17 49 | 0 15 | 12 26 | 1 53 | 6 14 | 12 33 | 11 19 | 11 3 | 18 46 | 5 20 | 2 43 |
| W 3 | 22 59 | 4 21 | 1 59 | 21 35 | 0 8 | 22 9 | 2 6 | 14 28 | 0 36 | 23 28 | 0 1 | 2 54 | 2 16 | 17 48 | 0 15 | 12 26 | 1 53 | 6 14 | 12 33 | 11 19 | 11 4 | 18 45 | 5 21 | 2 43 |
| T 4 | 23 5 | 0s 0 | 3 0 | 22 5 | 0n 3 | 21 53 | 2 5 | 14 42 | 0 35 | 23 28 | 0 1 | 2 53 | 2 16 | 17 48 | 0 15 | 12 25 | 1 53 | 6 14 | 12 33 | 11 20 | 11 5 | 18 45 | 5 22 | 2 43 |
| F 5 | 23 9 | 4 17 | 3 51 | 22 33 | 0 13 | 21 36 | 2 3 | 14 56 | 0 34 | 23 28 | 0 1 | 2 52 | 2 16 | 17 47 | 0 14 | 12 25 | 1 53 | 6 14 | 12 33 | 11 21 | 11 6 | 18 45 | 5 22 | 2 43 |
| S 6 | 23 13 | 8 16 | 4 28 | 23 0 | 0 24 | 21 19 | 2 1 | 15 10 | 0 34 | 23 29 | 0 1 | 2 51 | 2 17 | 17 47 | 0 14 | 12 25 | 1 53 | 6 15 | 12 33 | 11 23 | 11 7 | 18 44 | 5 23 | 2 43 |
| S 7 | 23 17 | 11 50 | 4 52 | 23 24 | 0 34 | 21 1 | 1 59 | 15 24 | 0 33 | 23 29 | 0 0 | 2 50 | 2 17 | 17 46 | 0 14 | 12 24 | 1 53 | 6 15 | 12 33 | 11 26 | 11 8 | 18 44 | 5 24 | 2 43 |
| M 8 | 23 21 | 14 50 | 5 2 | 23 46 | 0 44 | 20 43 | 1 57 | 15 37 | 0 32 | 23 29 | 0 0 | 2 49 | 2 17 | 17 46 | 0 14 | 12 24 | 1 53 | 6 15 | 12 33 | 11 30 | 11 10 | 18 44 | 5 24 | 2 43 |
| T 9 | 23 24 | 17 8 | 4 58 | 24 6 | 0 53 | 20 24 | 1 55 | 15 50 | 0 32 | 23 30 | 0 0 | 2 48 | 2 17 | 17 45 | 0 14 | 12 24 | 1 53 | 6 15 | 12 33 | 11 34 | 11 11 | 18 44 | 5 25 | 2 43 |
| W10 | 23 26 | 18 39 | 4 40 | 24 23 | 1 2 | 20 5 | 1 53 | 16 3 | 0 31 | 23 30 | 0s 0 | 2 47 | 2 18 | 17 45 | 0 14 | 12 24 | 1 53 | 6 15 | 12 33 | 11 38 | 11 12 | 18 43 | 5 25 | 2 43 |
| T 11 | 23 28 | 19 19 | 4 10 | 24 37 | 1 10 | 19 46 | 1 51 | 16 16 | 0 31 | 23 30 | 0 0 | 2 47 | 2 18 | 17 44 | 0 14 | 12 23 | 1 53 | 6 16 | 12 34 | 11 42 | 11 13 | 18 43 | 5 26 | 2 43 |
| F 12 | 23 30 | 19 8 | 3 29 | 24 48 | 1 17 | 19 26 | 1 48 | 16 29 | 0 30 | 23 31 | 0 0 | 2 46 | 2 18 | 17 44 | 0 14 | 12 23 | 1 53 | 6 16 | 12 34 | 11 45 | 11 14 | 18 43 | 5 27 | 2 44 |
| S 13 | 23 31 | 18 6 | 2 40 | 24 57 | 1 24 | 19 6 | 1 46 | 16 42 | 0 29 | 23 31 | 0 0 | 2 45 | 2 19 | 17 43 | 0 14 | 12 23 | 1 53 | 6 16 | 12 34 | 11 48 | 11 15 | 18 42 | 5 27 | 2 44 |
| S 14 | 23 32 | 16 18 | 1 43 | 25 2 | 1 30 | 18 45 | 1 43 | 16 54 | 0 29 | 23 31 | 0 1 | 2 45 | 2 19 | 17 43 | 0 14 | 12 23 | 1 53 | 6 16 | 12 34 | 11 49 | 11 16 | 18 42 | 5 28 | 2 44 |
| M15 | 23 33 | 13 47 | 0 41 | 25 5 | 1 35 | 18 24 | 1 40 | 17 7 | 0 28 | 23 32 | 0 1 | 2 44 | 2 19 | 17 42 | 0 14 | 12 22 | 1 53 | 6 16 | 12 34 | 11 50 | 11 17 | 18 42 | 5 28 | 2 44 |
| T 16 | 23 33 | 10 41 | 0s22 | 25 5 | 1 40 | 18 2 | 1 37 | 17 19 | 0 27 | 23 32 | 0 1 | 2 44 | 2 19 | 17 42 | 0 14 | 12 22 | 1 52 | 6 16 | 12 34 | 11 50 | 11 19 | 18 42 | 5 29 | 2 44 |
| W17 | 23 33 | 7 6 | 1 26 | 25 2 | 1 44 | 17 40 | 1 34 | 17 31 | 0 27 | 23 32 | 0 1 | 2 43 | 2 20 | 17 41 | 0 14 | 12 22 | 1 52 | 6 17 | 12 34 | 11 50 | 11 20 | 18 41 | 5 29 | 2 44 |
| T 18 | 23 32 | 3 9 | 2 28 | 24 57 | 1 47 | 17 18 | 1 31 | 17 43 | 0 26 | 23 33 | 0 1 | 2 43 | 2 20 | 17 41 | 0 14 | 12 22 | 1 52 | 6 17 | 12 34 | 11 49 | 11 21 | 18 41 | 5 30 | 2 44 |
| F 19 | 23 31 | 1n 3 | 3 23 | 24 49 | 1 49 | 16 55 | 1 27 | 17 54 | 0 25 | 23 33 | 0 1 | 2 42 | 2 20 | 17 41 | 0 14 | 12 21 | 1 52 | 6 17 | 12 35 | 11 49 | 11 22 | 18 41 | 5 30 | 2 44 |
| S 20 | 23 29 | 5 19 | 4 10 | 24 39 | 1 51 | 16 33 | 1 24 | 18 6 | 0 24 | 23 33 | 0 2 | 2 42 | 2 21 | 17 40 | 0 14 | 12 21 | 1 52 | 6 17 | 12 35 | 11 50 | 11 23 | 18 40 | 5 30 | 2 44 |
| S 21 | 23 27 | 9 29 | 4 45 | 24 26 | 1 52 | 16 9 | 1 20 | 18 17 | 0 24 | 23 34 | 0 2 | 2 42 | 2 21 | 17 40 | 0 14 | 12 21 | 1 52 | 6 17 | 12 35 | 11 51 | 11 24 | 18 40 | 5 31 | 2 44 |
| M22 | 23 25 | 13 15 | 5 4 | 24 12 | 1 52 | 15 46 | 1 16 | 18 28 | 0 23 | 23 34 | 0 2 | 2 42 | 2 21 | 17 39 | 0 14 | 12 21 | 1 52 | 6 17 | 12 35 | 11 53 | 11 25 | 18 40 | 5 31 | 2 44 |
| T 23 | 23 22 | 16 22 | 5 5 | 23 55 | 1 52 | 15 22 | 1 12 | 18 39 | 0 22 | 23 34 | 0 2 | 2 41 | 2 21 | 17 39 | 0 14 | 12 21 | 1 52 | 6 17 | 12 35 | 11 56 | 11 26 | 18 39 | 5 31 | 2 44 |
| W24 | 23 19 | 18 29 | 4 45 | 23 36 | 1 51 | 14 58 | 1 8 | 18 50 | 0 22 | 23 34 | 0 2 | 2 41 | 2 22 | 17 39 | 0 14 | 12 21 | 1 52 | 6 17 | 12 35 | 11 59 | 11 28 | 18 39 | 5 32 | 2 45 |
| T 25 | 23 15 | 19 20 | 4 5 | 23 16 | 1 49 | 14 34 | 1 4 | 19 0 | 0 21 | 23 35 | 0 2 | 2 41 | 2 22 | 17 38 | 0 14 | 12 21 | 1 52 | 6 17 | 12 35 | 12 1 | 11 29 | 18 39 | 5 32 | 2 45 |
| F 26 | 23 11 | 18 48 | 3 8 | 22 53 | 1 47 | 14 9 | 1 0 | 19 11 | 0 20 | 23 35 | 0 2 | 2 41 | 2 22 | 17 38 | 0 14 | 12 20 | 1 52 | 6 18 | 12 36 | 12 3 | 11 30 | 18 38 | 5 32 | 2 45 |
| S 27 | 23 7 | 16 55 | 1 57 | 22 30 | 1 44 | 13 44 | 0 55 | 19 21 | 0 20 | 23 35 | 0 3 | 2 41 | 2 23 | 17 38 | 0 14 | 12 20 | 1 52 | 6 18 | 12 36 | 12 4 | 11 31 | 18 38 | 5 33 | 2 45 |
| S 28 | 23 2 | 13 55 | 0 40 | 22 5 | 1 41 | 13 19 | 0 51 | 19 31 | 0 19 | 23 35 | 0 3 | 2 41 | 2 23 | 17 37 | 0 14 | 12 20 | 1 52 | 6 18 | 12 36 | 12 5 | 11 32 | 18 37 | 5 33 | 2 45 |
| M29 | 22 57 | 10 6 | 0n39 | 21 38 | 1 37 | 12 54 | 0 46 | 19 41 | 0 18 | 23 35 | 0 3 | 2 41 | 2 23 | 17 37 | 0 14 | 12 20 | 1 52 | 6 18 | 12 36 | 12 5 | 11 33 | 18 37 | 5 33 | 2 45 |
| T 30 | 22n51 | 5n49 | 1n53 | 21n11 | 1n32 | 12n28 | 0n41 | 19n51 | 0s17 | 23s36 | 0s 3 | 2s41 | 2s23 | 17s37 | 0n14 | 12s20 | 1n52 | 6n18 | 12s36 | 12n 5 | 11n34 | 18s37 | 5n33 | 2n45 |

Julian Day Number = 2138324.5, Delta T = 15m38s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'02, Lahiri = 11°54'02 Julian Calendar 1 June 1142 == Greg. Calendar 8 June 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## JULY 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 0 25 | 14♋33'05 | 3♎27 | 4♌14 | 0♍ 7 | 0♊ 9 | 0°R52 | 28♓47 | 20°R 3 | 7°R33 | 22♉37 | 28♌26 | 29♌49 | 22♑11 | 7♈36 | W 1 |
| T 2 | 19 4 21 | 15°30'20 | 16°45 | 5°53 | 1° 5 | 0°50 | 0♑45 | 28°47 | 20♏ 2 | 7♏32 | 22°37 | 28°R27 | 29°45 | 22°18 | 7°36 | T 2 |
| F 3 | 19 8 18 | 16°27'36 | 29°43 | 7°30 | 2° 4 | 1°31 | 0°38 | 28°47 | 20° 1 | 7°32 | 22°38 | 28°26 | 29°42 | 22°25 | 7°37 | F 3 |
| S 4 | 19 12 14 | 17°24'52 | 12♏22 | 9° 6 | 3° 2 | 2°12 | 0°31 | 28°47 | 20° 0 | 7°32 | 22°39 | 28°23 | 29°39 | 22°31 | 7°37 | S 4 |
| S 5 | 19 16 11 | 18°22'08 | 24°47 | 10°39 | 4° 0 | 2°53 | 0°24 | 28°R48 | 19°59 | 7°31 | 22°40 | 28°19 | 29°36 | 22°38 | 7°R37 | S 5 |
| M 6 | 19 20 7 | 19°19'25 | 7♐ 0 | 12°11 | 4°57 | 3°34 | 0°17 | 28°47 | 19°58 | 7°31 | 22°41 | 28°13 | 29°33 | 22°45 | 7°37 | M 6 |
| T 7 | 19 24 4 | 20°16'42 | 19° 4 | 13°41 | 5°54 | 4°15 | 0°10 | 28°47 | 19°57 | 7°31 | 22°42 | 28° 6 | 29°29 | 22°51 | 7°36 | T 7 |
| W 8 | 19 28 0 | 21°14'00 | 1♑ 1 | 15° 9 | 6°50 | 4°56 | 0° 3 | 28°47 | 19°56 | 7°31 | 22°43 | 28° 0 | 29°26 | 22°58 | 7°36 | W 8 |
| T 9 | 19 31 57 | 22°11'18 | 12°54 | 16°35 | 7°46 | 5°36 | 29♐57 | 28°47 | 19°56 | 7°31 | 22°43 | 27°53 | 29°23 | 23° 5 | 7°36 | T 9 |
| F 10 | 19 35 54 | 23° 8'38 | 24°44 | 17°59 | 8°42 | 6°17 | 29°50 | 28°46 | 19°55 | 7°30 | 22°44 | 27°48 | 29°20 | 23°11 | 7°36 | F 10 |
| S 11 | 19 39 50 | 24° 5'58 | 6♒33 | 19°21 | 9°37 | 6°57 | 29°44 | 28°45 | 19°54 | 7°30 | 22°45 | 27°45 | 29°17 | 23°18 | 7°36 | S 11 |
| S 12 | 19 43 47 | 25° 3'19 | 18°23 | 20°41 | 10°31 | 7°37 | 29°37 | 28°45 | 19°54 | 7°30 | 22°46 | 27°43 | 29°14 | 23°25 | 7°35 | S 12 |
| M13 | 19 47 43 | 26° 0'41 | 0♓18 | 21°59 | 11°25 | 8°18 | 29°31 | 28°44 | 19°53 | 7°30 | 22°46 | 27°D42 | 29°10 | 23°31 | 7°35 | M13 |
| T 14 | 19 51 40 | 26°58'04 | 12°19 | 23°15 | 12°18 | 8°58 | 29°25 | 28°43 | 19°53 | 7°D30 | 22°47 | 27°43 | 29° 7 | 23°38 | 7°34 | T 14 |
| W15 | 19 55 36 | 27°55'28 | 24°30 | 24°29 | 13°11 | 9°38 | 29°19 | 28°42 | 19°52 | 7°30 | 22°48 | 27°45 | 29° 4 | 23°45 | 7°34 | W15 |
| T 16 | 19 59 33 | 28°52'53 | 6♈55 | 25°40 | 14° 3 | 10°18 | 29°13 | 28°41 | 19°52 | 7°30 | 22°48 | 27°46 | 29° 1 | 23°51 | 7°33 | T 16 |
| F 17 | 20 3 29 | 29°50'20 | 19°38 | 26°50 | 14°55 | 10°58 | 29° 8 | 28°40 | 19°52 | 7°30 | 22°49 | 27°48 | 28°58 | 23°58 | 7°33 | F 17 |
| S 18 | 20 7 26 | 0♌47'48 | 2♉42 | 27°57 | 15°46 | 11°38 | 29° 2 | 28°38 | 19°51 | 7°31 | 22°50 | 27°R48 | 28°55 | 24° 5 | 7°32 | S 18 |
| S 19 | 20 11 23 | 1°45'17 | 16°11 | 29° 1 | 16°36 | 12°18 | 28°57 | 28°37 | 19°51 | 7°31 | 22°50 | 27°47 | 28°51 | 24°11 | 7°31 | S 19 |
| M20 | 20 15 19 | 2°42'48 | 0♊ 6 | 0♍ 3 | 17°25 | 12°58 | 28°51 | 28°35 | 19°51 | 7°31 | 22°51 | 27°45 | 28°48 | 24°18 | 7°31 | M20 |
| T 21 | 20 19 16 | 3°40'20 | 14°28 | 1° 2 | 18°14 | 13°38 | 28°46 | 28°34 | 19°51 | 7°31 | 22°51 | 27°43 | 28°45 | 24°25 | 7°30 | T 21 |
| W22 | 20 23 12 | 4°37'54 | 29°12 | 1°58 | 19° 2 | 14°17 | 28°41 | 28°32 | 19°51 | 7°31 | 22°52 | 27°40 | 28°42 | 24°31 | 7°29 | W22 |
| T 23 | 20 27 9 | 5°35'29 | 14♋14 | 2°52 | 19°50 | 14°57 | 28°36 | 28°30 | 19°D51 | 7°32 | 22°52 | 27°37 | 28°39 | 24°38 | 7°28 | T 23 |
| F 24 | 20 31 5 | 6°33'06 | 29°25 | 3°42 | 20°36 | 15°36 | 28°32 | 28°28 | 19°51 | 7°32 | 22°53 | 27°35 | 28°35 | 24°45 | 7°27 | F 24 |
| S 25 | 20 35 2 | 7°30'43 | 14♌35 | 4°29 | 21°22 | 16°16 | 28°27 | 28°26 | 19°51 | 7°32 | 22°53 | 27°33 | 28°32 | 24°51 | 7°26 | S 25 |
| S 26 | 20 38 58 | 8°28'22 | 29°35 | 5°13 | 22° 7 | 16°55 | 28°23 | 28°24 | 19°51 | 7°33 | 22°54 | 27°D33 | 28°29 | 24°58 | 7°25 | S 26 |
| M27 | 20 42 55 | 9°26'02 | 14♍16 | 5°53 | 22°51 | 17°34 | 28°19 | 28°22 | 19°51 | 7°33 | 22°54 | 27°33 | 28°26 | 25° 5 | 7°24 | M27 |
| T 28 | 20 46 52 | 10°23'43 | 28°34 | 6°29 | 23°34 | 18°13 | 28°15 | 28°20 | 19°51 | 7°34 | 22°55 | 27°34 | 28°23 | 25°11 | 7°23 | T 28 |
| W29 | 20 50 48 | 11°21'25 | 12♎26 | 7° 2 | 24°16 | 18°52 | 28°11 | 28°17 | 19°51 | 7°34 | 22°55 | 27°36 | 28°20 | 25°18 | 7°21 | W29 |
| T 30 | 20 54 45 | 12°19'08 | 25°51 | 7°29 | 24°57 | 19°31 | 28° 7 | 28°15 | 19°52 | 7°35 | 22°55 | 27°37 | 28°16 | 25°25 | 7°20 | T 30 |
| F 31 | 20 58 41 | 13♌16'53 | 8♏52 | 7♍53 | 25♍37 | 20♊10 | 28♐ 4 | 28♓12 | 19♏52 | 7♏35 | 22♉56 | 27°R37 | 28♌13 | 25♑31 | 7♈19 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n45 | 1n21 | 2n58 | 20n42 | 1n27 | 12n 3 | 0n36 | 20n 0 | 0s17 | 23s36 | 0s 3 | 2s41 | 2s24 | 17s37 | 0n14 | 12s20 | 1n52 | 6n18 | 12s36 | 12n 4 | 11n35 | 18s36 | 5n33 | 2n45 |
| T 2 | 22 39 | 3s 3 | 3 52 | 20 13 | 1 22 | 11 37 | 0 31 | 20 10 | 0 16 | 23 36 | 0 3 | 2 41 | 2 24 | 17 36 | 0 14 | 12 20 | 1 52 | 6 18 | 12 37 | 12 4 | 11 37 | 18 36 | 5 34 | 2 45 |
| F 3 | 22 32 | 7 10 | 4 32 | 19 42 | 1 16 | 11 11 | 0 26 | 20 19 | 0 15 | 23 36 | 0 3 | 2 41 | 2 24 | 17 36 | 0 14 | 12 20 | 1 52 | 6 18 | 12 37 | 12 4 | 11 38 | 18 36 | 5 34 | 2 45 |
| S 4 | 22 25 | 10 53 | 4 58 | 19 11 | 1 10 | 10 45 | 0 20 | 20 28 | 0 14 | 23 36 | 0 4 | 2 41 | 2 25 | 17 36 | 0 14 | 12 20 | 1 51 | 6 18 | 12 37 | 12 5 | 11 39 | 18 35 | 5 34 | 2 45 |
| S 5 | 22 17 | 14 3 | 5 10 | 18 39 | 1 3 | 10 19 | 0 14 | 20 37 | 0 14 | 23 37 | 0 4 | 2 42 | 2 25 | 17 36 | 0 14 | 12 20 | 1 51 | 6 18 | 12 37 | 12 7 | 11 40 | 18 35 | 5 34 | 2 46 |
| M 6 | 22 9 | 16 32 | 5 7 | 18 7 | 0 56 | 9 52 | 0 9 | 20 45 | 0 13 | 23 37 | 0 4 | 2 42 | 2 25 | 17 35 | 0 14 | 12 20 | 1 51 | 6 18 | 12 37 | 12 9 | 11 41 | 18 34 | 5 34 | 2 46 |
| T 7 | 22 1 | 18 17 | 4 50 | 17 34 | 0 48 | 9 26 | 0 3 | 20 54 | 0 12 | 23 37 | 0 4 | 2 42 | 2 25 | 17 35 | 0 14 | 12 20 | 1 51 | 6 18 | 12 38 | 12 11 | 11 42 | 18 34 | 5 34 | 2 46 |
| W 8 | 21 52 | 19 12 | 4 21 | 17 1 | 0 41 | 8 59 | 0s 3 | 21 2 | 0 11 | 23 37 | 0 4 | 2 43 | 2 26 | 17 35 | 0 14 | 12 20 | 1 51 | 6 18 | 12 38 | 12 14 | 11 43 | 18 34 | 5 34 | 2 46 |
| T 9 | 21 43 | 19 16 | 3 40 | 16 27 | 0 32 | 8 33 | 0 9 | 21 10 | 0 11 | 23 37 | 0 4 | 2 43 | 2 26 | 17 35 | 0 14 | 12 20 | 1 51 | 6 18 | 12 38 | 12 16 | 11 44 | 18 33 | 5 34 | 2 46 |
| F 10 | 21 33 | 18 29 | 2 50 | 15 53 | 0 24 | 8 6 | 0 16 | 21 18 | 0 10 | 23 37 | 0 4 | 2 44 | 2 26 | 17 35 | 0 14 | 12 20 | 1 51 | 6 18 | 12 38 | 12 17 | 11 45 | 18 33 | 5 34 | 2 46 |
| S 11 | 21 23 | 16 54 | 1 53 | 15 19 | 0 15 | 7 39 | 0 22 | 21 25 | 0 9 | 23 37 | 0 5 | 2 44 | 2 26 | 17 34 | 0 14 | 12 20 | 1 51 | 6 18 | 12 38 | 12 19 | 11 47 | 18 32 | 5 34 | 2 46 |
| S 12 | 21 13 | 14 35 | 0 51 | 14 45 | 0 6 | 7 13 | 0 29 | 21 33 | 0 8 | 23 38 | 0 5 | 2 45 | 2 27 | 17 34 | 0 14 | 12 20 | 1 51 | 6 18 | 12 38 | 12 19 | 11 48 | 18 32 | 5 34 | 2 46 |
| M13 | 21 3 | 11 38 | 0s14 | 14 11 | 0s 4 | 6 46 | 0 36 | 21 40 | 0 7 | 23 38 | 0 5 | 2 45 | 2 27 | 17 34 | 0 14 | 12 20 | 1 51 | 6 18 | 12 39 | 12 19 | 11 49 | 18 32 | 5 34 | 2 46 |
| T 14 | 20 52 | 8 12 | 1 19 | 13 37 | 0 13 | 6 19 | 0 43 | 21 47 | 0 7 | 23 38 | 0 5 | 2 46 | 2 27 | 17 34 | 0 14 | 12 20 | 1 51 | 6 18 | 12 39 | 12 19 | 11 50 | 18 31 | 5 34 | 2 46 |
| W15 | 20 40 | 4 22 | 2 22 | 13 3 | 0 23 | 5 52 | 0 50 | 21 54 | 0 6 | 23 38 | 0 5 | 2 46 | 2 28 | 17 34 | 0 14 | 12 20 | 1 51 | 6 18 | 12 39 | 12 19 | 11 51 | 18 31 | 5 34 | 2 46 |
| T 16 | 20 29 | 0 17 | 3 19 | 12 30 | 0 33 | 5 26 | 0 57 | 22 1 | 0 5 | 23 38 | 0 5 | 2 47 | 2 28 | 17 34 | 0 14 | 12 20 | 1 51 | 6 18 | 12 39 | 12 18 | 11 52 | 18 30 | 5 33 | 2 46 |
| F 17 | 20 17 | 3n53 | 4 8 | 11 57 | 0 44 | 4 59 | 1 4 | 22 7 | 0 4 | 23 38 | 0 5 | 2 48 | 2 28 | 17 34 | 0 14 | 12 20 | 1 51 | 6 18 | 12 39 | 12 18 | 11 53 | 18 30 | 5 33 | 2 47 |
| S 18 | 20 4 | 8 0 | 4 45 | 11 24 | 0 54 | 4 32 | 1 12 | 22 13 | 0 4 | 23 38 | 0 5 | 2 49 | 2 28 | 17 34 | 0 14 | 12 20 | 1 51 | 6 18 | 12 40 | 12 18 | 11 54 | 18 30 | 5 33 | 2 47 |
| S 19 | 19 52 | 11 50 | 5 8 | 10 51 | 1 5 | 4 6 | 1 19 | 22 20 | 0 3 | 23 38 | 0 6 | 2 49 | 2 29 | 17 34 | 0 14 | 12 20 | 1 51 | 6 18 | 12 40 | 12 18 | 11 55 | 18 29 | 5 33 | 2 47 |
| M20 | 19 39 | 15 8 | 5 14 | 10 19 | 1 16 | 3 39 | 1 27 | 22 26 | 0 2 | 23 38 | 0 6 | 2 50 | 2 29 | 17 34 | 0 14 | 12 20 | 1 50 | 6 18 | 12 40 | 12 18 | 11 57 | 18 29 | 5 33 | 2 47 |
| T 21 | 19 25 | 17 39 | 5 1 | 9 48 | 1 27 | 3 13 | 1 35 | 22 31 | 0 1 | 23 38 | 0 6 | 2 51 | 2 29 | 17 34 | 0 14 | 12 21 | 1 50 | 6 18 | 12 40 | 12 19 | 11 58 | 18 28 | 5 32 | 2 47 |
| W22 | 19 12 | 19 4 | 4 28 | 9 18 | 1 38 | 2 47 | 1 43 | 22 37 | 0 0 | 23 38 | 0 6 | 2 52 | 2 29 | 17 34 | 0 14 | 12 21 | 1 50 | 6 17 | 12 41 | 12 20 | 11 59 | 18 28 | 5 32 | 2 47 |
| T 23 | 18 58 | 19 12 | 3 37 | 8 48 | 1 49 | 2 21 | 1 51 | 22 42 | 0n 1 | 23 39 | 0 6 | 2 53 | 2 30 | 17 34 | 0 14 | 12 21 | 1 50 | 6 17 | 12 41 | 12 21 | 12 0 | 18 27 | 5 32 | 2 47 |
| F 24 | 18 43 | 17 56 | 2 29 | 8 19 | 2 0 | 1 55 | 2 0 | 22 47 | 0 1 | 23 39 | 0 6 | 2 54 | 2 30 | 17 34 | 0 14 | 12 21 | 1 50 | 6 17 | 12 41 | 12 22 | 12 1 | 18 27 | 5 32 | 2 47 |
| S 25 | 18 29 | 15 24 | 1 11 | 7 52 | 2 12 | 1 29 | 2 8 | 22 52 | 0 2 | 23 39 | 0 6 | 2 55 | 2 30 | 17 34 | 0 14 | 12 21 | 1 50 | 6 17 | 12 41 | 12 23 | 12 2 | 18 26 | 5 31 | 2 47 |
| S 26 | 18 14 | 11 51 | 0n11 | 7 25 | 2 23 | 1 3 | 2 17 | 22 57 | 0 3 | 23 39 | 0 6 | 2 56 | 2 30 | 17 34 | 0 13 | 12 21 | 1 50 | 6 17 | 12 41 | 12 23 | 12 3 | 18 26 | 5 31 | 2 47 |
| M27 | 17 58 | 7 37 | 1 31 | 7 0 | 2 34 | 0 38 | 2 25 | 23 2 | 0 4 | 23 39 | 0 7 | 2 57 | 2 31 | 17 34 | 0 13 | 12 22 | 1 50 | 6 17 | 12 42 | 12 23 | 12 4 | 18 26 | 5 30 | 2 47 |
| T 28 | 17 43 | 3 4 | 2 43 | 6 37 | 2 45 | 0 12 | 2 34 | 23 6 | 0 5 | 23 39 | 0 7 | 2 58 | 2 31 | 17 34 | 0 13 | 12 22 | 1 50 | 6 17 | 12 42 | 12 22 | 12 5 | 18 25 | 5 30 | 2 47 |
| W29 | 17 27 | 1s30 | 3 44 | 6 15 | 2 56 | 0s13 | 2 43 | 23 10 | 0 6 | 23 39 | 0 7 | 3 0 | 2 31 | 17 34 | 0 13 | 12 22 | 1 50 | 6 17 | 12 42 | 12 22 | 12 7 | 18 25 | 5 30 | 2 47 |
| T 30 | 17 11 | 5 51 | 4 30 | 5 54 | 3 7 | 0 37 | 2 52 | 23 14 | 0 6 | 23 39 | 0 7 | 3 1 | 2 31 | 17 34 | 0 13 | 12 22 | 1 50 | 6 17 | 12 42 | 12 21 | 12 8 | 18 24 | 5 29 | 2 48 |
| F 31 | 16n55 | 9s47 | 5n 0 | 5n36 | 3s18 | 1s 2 | 3s 2 | 23n18 | 0n 7 | 23s39 | 0s 7 | 3s 2 | 2s32 | 17s34 | 0n13 | 12s22 | 1n50 | 6n16 | 12s43 | 12n21 | 12n 9 | 18s24 | 5n29 | 2n48 |

Julian Day Number = 2138354.5, Delta T = 15m38s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'06, Lahiri = 11°54'06 Julian Calendar 1 July 1142 == Greg. Calendar 8 July 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## AUGUST 1142 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 2 38 | 14♌14'38 | 21♏32 | 8♍12 | 26♍16 | 20♊49 | 28°R 0 | 28°R10 | 19♏53 | 7♏36 | 22♉56 | 27°R37 | 28♌10 | 25♑38 | 7°R17 | S 1 |
| S 2 | 21 6 34 | 15°12'25 | 3♐53 | 8°25 | 26°54 | 21°28 | 27♐57 | 28♓ 7 | 19°53 | 7°36 | 22°56 | 27♌36 | 28° 7 | 25°45 | 7♈16 | S 2 |
| M 3 | 21 10 31 | 16°10'13 | 16° 2 | 8°34 | 27°31 | 22° 6 | 27°54 | 28° 4 | 19°54 | 7°37 | 22°57 | 27°35 | 28° 4 | 25°51 | 7°15 | M 3 |
| T 4 | 21 14 27 | 17° 8'02 | 28° 0 | 8°R37 | 28° 6 | 22°45 | 27°51 | 28° 1 | 19°54 | 7°38 | 22°57 | 27°34 | 28° 1 | 25°58 | 7°13 | T 4 |
| W 5 | 21 18 24 | 18° 5'52 | 9♑52 | 8°34 | 28°40 | 23°23 | 27°49 | 27°58 | 19°55 | 7°38 | 22°57 | 27°32 | 27°57 | 26° 5 | 7°11 | W 5 |
| T 6 | 21 22 21 | 19° 3'44 | 21°42 | 8°26 | 29°13 | 24° 2 | 27°46 | 27°55 | 19°56 | 7°39 | 22°58 | 27°31 | 27°54 | 26°11 | 7°10 | T 6 |
| F 7 | 21 26 17 | 20° 1'38 | 3♒32 | 8°12 | 29°45 | 24°40 | 27°44 | 27°52 | 19°56 | 7°40 | 22°58 | 27°30 | 27°51 | 26°18 | 7° 8 | F 7 |
| S 8 | 21 30 14 | 20°59'33 | 15°24 | 7°51 | 0♎15 | 25°18 | 27°42 | 27°49 | 19°57 | 7°41 | 22°58 | 27°30 | 27°48 | 26°25 | 7° 7 | S 8 |
| S 9 | 21 34 10 | 21°57'29 | 27°20 | 7°25 | 0°43 | 25°56 | 27°40 | 27°46 | 19°58 | 7°41 | 22°58 | 27°D30 | 27°45 | 26°31 | 7° 5 | S 9 |
| M10 | 21 38 7 | 22°55'27 | 9♓24 | 6°53 | 1°10 | 26°34 | 27°39 | 27°42 | 19°59 | 7°42 | 22°58 | 27°30 | 27°41 | 26°38 | 7° 3 | M10 |
| T 11 | 21 42 3 | 23°53'27 | 21°36 | 6°15 | 1°36 | 27°12 | 27°37 | 27°39 | 20° 0 | 7°43 | 22°58 | 27°30 | 27°38 | 26°45 | 7° 1 | T 11 |
| W12 | 21 46 0 | 24°51'28 | 3♈58 | 5°32 | 1°59 | 27°50 | 27°36 | 27°36 | 20° 1 | 7°44 | 22°59 | 27°30 | 27°35 | 26°51 | 6°59 | W12 |
| T 13 | 21 49 56 | 25°49'31 | 16°34 | 4°44 | 2°22 | 28°28 | 27°35 | 27°32 | 20° 2 | 7°45 | 22°59 | 27°31 | 27°32 | 26°58 | 6°57 | T 13 |
| F 14 | 21 53 53 | 26°47'37 | 29°25 | 3°52 | 2°42 | 29° 5 | 27°34 | 27°28 | 20° 3 | 7°46 | 22°59 | 27°31 | 27°29 | 27° 5 | 6°56 | F 14 |
| S 15 | 21 57 50 | 27°45'44 | 12♉33 | 2°57 | 3° 0 | 29°43 | 27°33 | 27°25 | 20° 4 | 7°47 | 22°59 | 27°R31 | 27°26 | 27°11 | 6°54 | S 15 |
| S 16 | 22 1 46 | 28°43'53 | 26° 0 | 1°59 | 3°17 | 0♋20 | 27°33 | 27°21 | 20° 5 | 7°48 | 22°59 | 27°D31 | 27°22 | 27°18 | 6°52 | S 16 |
| M17 | 22 5 43 | 29°42'05 | 9♊47 | 1° 1 | 3°32 | 0°58 | 27°32 | 27°17 | 20° 6 | 7°49 | 22°R59 | 27°31 | 27°19 | 27°25 | 6°50 | M17 |
| T 18 | 22 9 39 | 0♍40'18 | 23°55 | 0° 2 | 3°44 | 1°35 | 27°D32 | 27°13 | 20° 8 | 7°50 | 22°59 | 27°31 | 27°16 | 27°31 | 6°47 | T 18 |
| W19 | 22 13 36 | 1°38'34 | 8♋23 | 29♌ 5 | 3°55 | 2°12 | 27°32 | 27° 9 | 20° 9 | 7°51 | 22°59 | 27°31 | 27°13 | 27°38 | 6°45 | W19 |
| T 20 | 22 17 32 | 2°36'52 | 23° 6 | 28°11 | 4° 3 | 2°49 | 27°32 | 27° 5 | 20°11 | 7°53 | 22°59 | 27°32 | 27°10 | 27°45 | 6°43 | T 20 |
| F 21 | 22 21 29 | 3°35'11 | 7♌59 | 27°21 | 4°10 | 3°26 | 27°33 | 27° 1 | 20°12 | 7°54 | 22°59 | 27°32 | 27° 7 | 27°51 | 6°41 | F 21 |
| S 22 | 22 25 25 | 4°33'33 | 22°55 | 26°36 | 4°14 | 4° 3 | 27°33 | 26°57 | 20°13 | 7°55 | 22°59 | 27°R32 | 27° 3 | 27°58 | 6°39 | S 22 |
| S 23 | 22 29 22 | 5°31'57 | 7♍47 | 25°58 | 4°R16 | 4°40 | 27°34 | 26°53 | 20°15 | 7°56 | 22°58 | 27°32 | 27° 0 | 28° 5 | 6°36 | S 23 |
| M24 | 22 33 19 | 6°30'22 | 22°26 | 25°26 | 4°16 | 5°16 | 27°35 | 26°48 | 20°17 | 7°58 | 22°58 | 27°32 | 26°57 | 28°11 | 6°34 | M24 |
| T 25 | 22 37 15 | 7°28'49 | 6♎46 | 25° 3 | 4°13 | 5°53 | 27°36 | 26°44 | 20°18 | 7°59 | 22°58 | 27°31 | 26°54 | 28°18 | 6°32 | T 25 |
| W26 | 22 41 12 | 8°27'18 | 20°43 | 24°49 | 4° 8 | 6°29 | 27°38 | 26°40 | 20°20 | 8° 0 | 22°58 | 27°29 | 26°51 | 28°25 | 6°30 | W26 |
| T 27 | 22 45 8 | 9°25'49 | 4♏14 | 24°D44 | 4° 0 | 7° 6 | 27°39 | 26°35 | 20°22 | 8° 1 | 22°58 | 27°28 | 26°47 | 28°31 | 6°27 | T 27 |
| F 28 | 22 49 5 | 10°24'21 | 17°20 | 24°48 | 3°50 | 7°42 | 27°41 | 26°31 | 20°23 | 8° 3 | 22°57 | 27°27 | 26°44 | 28°38 | 6°25 | F 28 |
| S 29 | 22 53 1 | 11°22'55 | 0♐ 3 | 25° 2 | 3°38 | 8°18 | 27°43 | 26°27 | 20°25 | 8° 4 | 22°57 | 27°26 | 26°41 | 28°45 | 6°22 | S 29 |
| S 30 | 22 56 58 | 12°21'31 | 12°27 | 25°25 | 3°24 | 8°54 | 27°45 | 26°22 | 20°27 | 8° 6 | 22°57 | 27°D25 | 26°38 | 28°51 | 6°20 | S 30 |
| M31 | 23 0 54 | 13♍20'09 | 24♐34 | 25♌57 | 3♎ 7 | 9♋30 | 27♐48 | 26♓18 | 20♏29 | 8♏ 7 | 22♉57 | 27♌26 | 26♌35 | 28♑58 | 6♈17 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n38 | 13s 9 | 5n15 | 5n19 | 3s28 | 1s26 | 3s11 | 23n22 | 0n 8 | 23s39 | 0s 7 | 3s 3 | 2s32 | 17s34 | 0n13 | 12s23 | 1n50 | 6n16 | 12s43 | 12n21 | 12n10 | 18s23 | 5n28 | 2n48 |
| S 2 | 16 21 | 15 52 | 5 15 | 5 5 | 3 38 | 1 50 | 3 21 | 23 25 | 0 9 | 23 39 | 0 7 | 3 5 | 2 32 | 17 35 | 0 13 | 12 23 | 1 50 | 6 16 | 12 43 | 12 22 | 12 11 | 18 23 | 5 28 | 2 48 |
| M 3 | 16 4 | 17 50 | 5 1 | 4 53 | 3 47 | 2 13 | 3 30 | 23 29 | 0 10 | 23 39 | 0 7 | 3 6 | 2 32 | 17 35 | 0 13 | 12 23 | 1 50 | 6 16 | 12 43 | 12 22 | 12 12 | 18 22 | 5 27 | 2 48 |
| T 4 | 15 46 | 18 59 | 4 33 | 4 44 | 3 56 | 2 36 | 3 40 | 23 32 | 0 11 | 23 39 | 0 8 | 3 7 | 2 33 | 17 35 | 0 13 | 12 23 | 1 50 | 6 16 | 12 44 | 12 22 | 12 13 | 18 22 | 5 27 | 2 48 |
| W 5 | 15 29 | 19 17 | 3 55 | 4 38 | 4 4 | 2 59 | 3 50 | 23 35 | 0 12 | 23 40 | 0 8 | 3 9 | 2 33 | 17 35 | 0 13 | 12 24 | 1 49 | 6 16 | 12 44 | 12 23 | 12 14 | 18 21 | 5 26 | 2 48 |
| T 6 | 15 11 | 18 44 | 3 6 | 4 34 | 4 11 | 3 21 | 4 0 | 23 37 | 0 13 | 23 40 | 0 8 | 3 10 | 2 33 | 17 35 | 0 13 | 12 24 | 1 49 | 6 15 | 12 44 | 12 23 | 12 15 | 18 21 | 5 25 | 2 48 |
| F 7 | 14 52 | 17 22 | 2 9 | 4 34 | 4 17 | 3 43 | 4 10 | 23 40 | 0 13 | 23 40 | 0 8 | 3 12 | 2 33 | 17 36 | 0 13 | 12 24 | 1 49 | 6 15 | 12 44 | 12 24 | 12 16 | 18 20 | 5 25 | 2 48 |
| S 8 | 14 34 | 15 14 | 1 7 | 4 37 | 4 22 | 4 4 | 4 20 | 23 42 | 0 14 | 23 40 | 0 8 | 3 13 | 2 33 | 17 36 | 0 13 | 12 25 | 1 49 | 6 15 | 12 44 | 12 24 | 12 18 | 18 20 | 5 24 | 2 48 |
| S 9 | 14 15 | 12 26 | 0 1 | 4 43 | 4 26 | 4 25 | 4 30 | 23 44 | 0 15 | 23 40 | 0 8 | 3 14 | 2 34 | 17 36 | 0 13 | 12 25 | 1 49 | 6 15 | 12 45 | 12 24 | 12 19 | 18 19 | 5 24 | 2 48 |
| M10 | 13 56 | 9 6 | 1s 6 | 4 52 | 4 28 | 4 45 | 4 41 | 23 46 | 0 16 | 23 40 | 0 8 | 3 16 | 2 34 | 17 36 | 0 13 | 12 25 | 1 49 | 6 15 | 12 45 | 12 24 | 12 20 | 18 19 | 5 23 | 2 48 |
| T 11 | 13 37 | 5 20 | 2 10 | 5 5 | 4 29 | 5 5 | 4 51 | 23 48 | 0 17 | 23 40 | 0 8 | 3 18 | 2 34 | 17 37 | 0 13 | 12 26 | 1 49 | 6 15 | 12 45 | 12 24 | 12 21 | 18 18 | 5 22 | 2 48 |
| W12 | 13 18 | 1 18 | 3 9 | 5 21 | 4 29 | 5 24 | 5 2 | 23 50 | 0 18 | 23 40 | 0 8 | 3 19 | 2 34 | 17 37 | 0 13 | 12 26 | 1 49 | 6 14 | 12 45 | 12 24 | 12 22 | 18 18 | 5 22 | 2 48 |
| T 13 | 12 58 | 2n51 | 4 0 | 5 41 | 4 26 | 5 43 | 5 12 | 23 51 | 0 19 | 23 40 | 0 9 | 3 21 | 2 34 | 17 37 | 0 13 | 12 26 | 1 49 | 6 14 | 12 46 | 12 24 | 12 23 | 18 17 | 5 21 | 2 48 |
| F 14 | 12 38 | 6 56 | 4 40 | 6 4 | 4 22 | 6 0 | 5 23 | 23 52 | 0 20 | 23 40 | 0 9 | 3 22 | 2 35 | 17 37 | 0 13 | 12 27 | 1 49 | 6 14 | 12 46 | 12 24 | 12 24 | 18 17 | 5 20 | 2 48 |
| S 15 | 12 18 | 10 48 | 5 7 | 6 30 | 4 16 | 6 17 | 5 33 | 23 54 | 0 21 | 23 40 | 0 9 | 3 24 | 2 35 | 17 38 | 0 13 | 12 27 | 1 49 | 6 14 | 12 46 | 12 23 | 12 25 | 18 16 | 5 19 | 2 48 |
| S 16 | 11 58 | 14 12 | 5 18 | 6 58 | 4 8 | 6 34 | 5 44 | 23 54 | 0 22 | 23 40 | 0 9 | 3 26 | 2 35 | 17 38 | 0 13 | 12 28 | 1 49 | 6 13 | 12 46 | 12 24 | 12 26 | 18 16 | 5 19 | 2 48 |
| M17 | 11 38 | 16 54 | 5 11 | 7 28 | 3 57 | 6 49 | 5 54 | 23 55 | 0 22 | 23 41 | 0 9 | 3 27 | 2 35 | 17 38 | 0 13 | 12 28 | 1 49 | 6 13 | 12 47 | 12 23 | 12 27 | 18 15 | 5 18 | 2 48 |
| T 18 | 11 17 | 18 40 | 4 45 | 7 59 | 3 45 | 7 4 | 6 5 | 23 56 | 0 23 | 23 41 | 0 9 | 3 29 | 2 35 | 17 39 | 0 13 | 12 28 | 1 49 | 6 13 | 12 47 | 12 23 | 12 29 | 18 15 | 5 17 | 2 48 |
| W19 | 10 56 | 19 17 | 4 1 | 8 32 | 3 32 | 7 17 | 6 15 | 23 56 | 0 24 | 23 41 | 0 9 | 3 31 | 2 36 | 17 39 | 0 13 | 12 29 | 1 49 | 6 13 | 12 47 | 12 23 | 12 30 | 18 14 | 5 16 | 2 48 |
| T 20 | 10 35 | 18 36 | 3 0 | 9 5 | 3 16 | 7 30 | 6 25 | 23 56 | 0 25 | 23 41 | 0 9 | 3 33 | 2 36 | 17 40 | 0 13 | 12 29 | 1 49 | 6 13 | 12 47 | 12 23 | 12 31 | 18 13 | 5 15 | 2 49 |
| F 21 | 10 14 | 16 38 | 1 47 | 9 38 | 3 0 | 7 42 | 6 35 | 23 56 | 0 26 | 23 41 | 0 9 | 3 34 | 2 36 | 17 40 | 0 13 | 12 30 | 1 49 | 6 12 | 12 47 | 12 23 | 12 32 | 18 13 | 5 15 | 2 49 |
| S 22 | 9 53 | 13 32 | 0 26 | 10 10 | 2 42 | 7 53 | 6 45 | 23 56 | 0 27 | 23 41 | 0 10 | 3 36 | 2 36 | 17 40 | 0 13 | 12 30 | 1 48 | 6 12 | 12 48 | 12 23 | 12 33 | 18 12 | 5 14 | 2 49 |
| S 23 | 9 31 | 9 34 | 0n57 | 10 40 | 2 23 | 8 3 | 6 55 | 23 56 | 0 28 | 23 41 | 0 10 | 3 38 | 2 36 | 17 41 | 0 13 | 12 31 | 1 48 | 6 12 | 12 48 | 12 23 | 12 34 | 18 12 | 5 13 | 2 49 |
| M24 | 9 10 | 5 4 | 2 14 | 11 9 | 2 4 | 8 11 | 7 5 | 23 56 | 0 29 | 23 41 | 0 10 | 3 40 | 2 36 | 17 41 | 0 13 | 12 31 | 1 48 | 6 12 | 12 48 | 12 23 | 12 35 | 18 11 | 5 12 | 2 49 |
| T 25 | 8 48 | 0 23 | 3 21 | 11 35 | 1 45 | 8 19 | 7 14 | 23 55 | 0 30 | 23 41 | 0 10 | 3 42 | 2 36 | 17 42 | 0 13 | 12 31 | 1 48 | 6 11 | 12 48 | 12 23 | 12 36 | 18 11 | 5 11 | 2 49 |
| W26 | 8 26 | 4s12 | 4 14 | 11 58 | 1 25 | 8 25 | 7 23 | 23 54 | 0 31 | 23 42 | 0 10 | 3 43 | 2 37 | 17 42 | 0 13 | 12 32 | 1 48 | 6 11 | 12 49 | 12 24 | 12 37 | 18 10 | 5 10 | 2 49 |
| T 27 | 8 4 | 8 25 | 4 51 | 12 18 | 1 6 | 8 30 | 7 32 | 23 53 | 0 32 | 23 42 | 0 10 | 3 45 | 2 37 | 17 43 | 0 13 | 12 32 | 1 48 | 6 11 | 12 49 | 12 24 | 12 38 | 18 10 | 5 9 | 2 49 |
| F 28 | 7 42 | 12 6 | 5 12 | 12 34 | 0 47 | 8 34 | 7 41 | 23 52 | 0 33 | 23 42 | 0 10 | 3 47 | 2 37 | 17 43 | 0 13 | 12 33 | 1 48 | 6 10 | 12 49 | 12 25 | 12 39 | 18 9 | 5 8 | 2 49 |
| S 29 | 7 20 | 15 6 | 5 16 | 12 47 | 0 29 | 8 37 | 7 49 | 23 51 | 0 34 | 23 42 | 0 10 | 3 49 | 2 37 | 17 44 | 0 13 | 12 33 | 1 48 | 6 10 | 12 49 | 12 25 | 12 41 | 18 8 | 5 7 | 2 49 |
| S 30 | 6 57 | 17 20 | 5 6 | 12 55 | 0 12 | 8 38 | 7 56 | 23 50 | 0 35 | 23 42 | 0 10 | 3 51 | 2 37 | 17 44 | 0 13 | 12 34 | 1 48 | 6 10 | 12 50 | 12 25 | 12 42 | 18 8 | 5 6 | 2 49 |
| M31 | 6n35 | 18s44 | 4n42 | 13n 0 | 0n 4 | 8s37 | 8s 3 | 23n48 | 0n36 | 23s42 | 0s10 | 3s53 | 2s37 | 17s45 | 0n13 | 12s34 | 1n48 | 6n10 | 12s50 | 12n25 | 12n43 | 18s 7 | 5n 5 | 2n49 |

Julian Day Number = 2138385.5, Delta T = 15m37s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'10, Lahiri = 11°54'11 Julian Calendar 1 Aug. 1142 == Greg. Calendar 8 Aug. 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## SEPTEMBER 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 4 51 | 14♍18'48 | 6♑31 | 26♌38 | 2°R47 | 10♋ 5 | 27♐50 | 26°R13 | 20♏31 | 8♏ 9 | 22°R56 | 27♌27 | 26♌32 | 29♑ 5 | 6°R15 | T 1 |
| W 2 | 23 8 47 | 15°17'29 | 18°22 | 27°28 | 2♎26 | 10°41 | 27°53 | 26♓ 8 | 20°33 | 8°10 | 22♉56 | 27°28 | 26°28 | 29°11 | 6♈12 | W 2 |
| T 3 | 23 12 44 | 16°16'12 | 0♒11 | 28°25 | 2° 2 | 11°17 | 27°56 | 26° 4 | 20°35 | 8°12 | 22°56 | 27°30 | 26°25 | 29°18 | 6°10 | T 3 |
| F 4 | 23 16 41 | 17°14'57 | 12° 2 | 29°30 | 1°36 | 11°52 | 27°59 | 25°59 | 20°37 | 8°13 | 22°55 | 27°31 | 26°22 | 29°25 | 6° 7 | F 4 |
| S 5 | 23 20 37 | 18°13'43 | 23°59 | 0♍41 | 1° 9 | 12°27 | 28° 2 | 25°55 | 20°39 | 8°15 | 22°55 | 27°R32 | 26°19 | 29°31 | 6° 5 | S 5 |
| S 6 | 23 24 34 | 19°12'32 | 6♓ 4 | 1°58 | 0°39 | 13° 3 | 28° 5 | 25°50 | 20°41 | 8°16 | 22°55 | 27°32 | 26°16 | 29°38 | 6° 2 | S 6 |
| M 7 | 23 28 30 | 20°11'22 | 18°20 | 3°21 | 0° 8 | 13°38 | 28° 9 | 25°45 | 20°44 | 8°18 | 22°54 | 27°30 | 26°12 | 29°45 | 5°59 | M 7 |
| T 8 | 23 32 27 | 21°10'14 | 0♈48 | 4°48 | 29♍35 | 14°13 | 28°13 | 25°41 | 20°46 | 8°20 | 22°54 | 27°28 | 26° 9 | 29°51 | 5°57 | T 8 |
| W 9 | 23 36 23 | 22° 9'09 | 13°29 | 6°20 | 29° 1 | 14°47 | 28°17 | 25°36 | 20°48 | 8°21 | 22°53 | 27°24 | 26° 6 | 29°58 | 5°54 | W 9 |
| T 10 | 23 40 20 | 23° 8'05 | 26°24 | 7°55 | 28°26 | 15°22 | 28°21 | 25°31 | 20°51 | 8°23 | 22°53 | 27°20 | 26° 3 | 0♒ 5 | 5°51 | T 10 |
| F 11 | 23 44 16 | 24° 7'04 | 9♉32 | 9°32 | 27°51 | 15°57 | 28°25 | 25°26 | 20°53 | 8°25 | 22°52 | 27°16 | 26° 0 | 0°11 | 5°49 | F 11 |
| S 12 | 23 48 13 | 25° 6'05 | 22°53 | 11°12 | 27°14 | 16°31 | 28°30 | 25°22 | 20°55 | 8°27 | 22°52 | 27°13 | 25°57 | 0°18 | 5°46 | S 12 |
| S 13 | 23 52 10 | 26° 5'09 | 6♊28 | 12°54 | 26°38 | 17° 5 | 28°34 | 25°17 | 20°58 | 8°28 | 22°51 | 27°10 | 25°53 | 0°25 | 5°43 | S 13 |
| M14 | 23 56 6 | 27° 4'15 | 20°15 | 14°38 | 26° 1 | 17°40 | 28°39 | 25°12 | 21° 0 | 8°30 | 22°51 | 27° 9 | 25°50 | 0°31 | 5°40 | M14 |
| T 15 | 0 0 3 | 28° 3'23 | 4♋15 | 16°22 | 25°24 | 18°14 | 28°44 | 25° 8 | 21° 3 | 8°32 | 22°50 | 27°D 8 | 25°47 | 0°38 | 5°38 | T 15 |
| W16 | 0 3 59 | 29° 2'34 | 18°27 | 18° 8 | 24°48 | 18°48 | 28°49 | 25° 3 | 21° 6 | 8°34 | 22°49 | 27° 9 | 25°44 | 0°45 | 5°35 | W16 |
| T 17 | 0 7 56 | 0♎ 1'47 | 2♌48 | 19°54 | 24°12 | 19°21 | 28°55 | 24°58 | 21° 8 | 8°36 | 22°49 | 27°11 | 25°41 | 0°51 | 5°32 | T 17 |
| F 18 | 0 11 52 | 1° 1'02 | 17°17 | 21°40 | 23°37 | 19°55 | 29° 0 | 24°53 | 21°11 | 8°37 | 22°48 | 27°12 | 25°38 | 0°58 | 5°29 | F 18 |
| S 19 | 0 15 49 | 2° 0'20 | 1♍49 | 23°26 | 23° 3 | 20°28 | 29° 6 | 24°49 | 21°13 | 8°39 | 22°48 | 27°R12 | 25°34 | 1° 5 | 5°27 | S 19 |
| S 20 | 0 19 45 | 2°59'40 | 16°19 | 25°13 | 22°31 | 21° 2 | 29°12 | 24°44 | 21°16 | 8°41 | 22°47 | 27°11 | 25°31 | 1°11 | 5°24 | S 20 |
| M21 | 0 23 42 | 3°59'02 | 0♎42 | 26°59 | 22° 0 | 21°35 | 29°18 | 24°40 | 21°19 | 8°43 | 22°46 | 27° 8 | 25°28 | 1°18 | 5°21 | M21 |
| T 22 | 0 27 39 | 4°58'26 | 14°51 | 28°45 | 21°30 | 22° 8 | 29°24 | 24°35 | 21°22 | 8°45 | 22°46 | 27° 3 | 25°25 | 1°25 | 5°18 | T 22 |
| W23 | 0 31 35 | 5°57'53 | 28°43 | 0♎30 | 21° 3 | 22°41 | 29°30 | 24°30 | 21°25 | 8°47 | 22°45 | 26°57 | 25°22 | 1°31 | 5°15 | W23 |
| T 24 | 0 35 32 | 6°57'21 | 12♏13 | 2°15 | 20°37 | 23°14 | 29°37 | 24°26 | 21°27 | 8°49 | 22°44 | 26°50 | 25°18 | 1°38 | 5°13 | T 24 |
| F 25 | 0 39 28 | 7°56'51 | 25°20 | 4° 0 | 20°13 | 23°46 | 29°43 | 24°21 | 21°30 | 8°51 | 22°43 | 26°44 | 25°15 | 1°45 | 5°10 | F 25 |
| S 26 | 0 43 25 | 8°56'23 | 8♐ 5 | 5°44 | 19°52 | 24°19 | 29°50 | 24°17 | 21°33 | 8°53 | 22°43 | 26°38 | 25°12 | 1°51 | 5° 7 | S 26 |
| S 27 | 0 47 21 | 9°55'57 | 20°30 | 7°27 | 19°33 | 24°51 | 29°57 | 24°12 | 21°36 | 8°55 | 22°42 | 26°34 | 25° 9 | 1°58 | 5° 4 | S 27 |
| M28 | 0 51 18 | 10°55'33 | 2♑38 | 9°10 | 19°16 | 25°23 | 0♑ 4 | 24° 8 | 21°39 | 8°57 | 22°41 | 26°32 | 25° 6 | 2° 5 | 5° 2 | M28 |
| T 29 | 0 55 14 | 11°55'10 | 14°35 | 10°52 | 19° 1 | 25°55 | 0°11 | 24° 3 | 21°42 | 8°59 | 22°40 | 26°D32 | 25° 3 | 2°11 | 4°59 | T 29 |
| W30 | 0 59 11 | 12♎54'49 | 26♑26 | 12♎34 | 18♍49 | 26♋27 | 0♑19 | 23♓59 | 21♏45 | 9♏ 1 | 22♉39 | 26♌33 | 24♌59 | 2♒18 | 4♈56 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n12 | 19s17 | 4n 6 | 13n 0 | 0n20 | 8s36 | 8s10 | 23n47 | 0n37 | 23s42 | 0s11 | 3s55 | 2s37 | 17s45 | 0n13 | 12s35 | 1n48 | 6n 9 | 12s50 | 12n25 | 12n44 | 18s 7 | 5n 4 | 2n49 |
| W 2 | 5 49 | 18 59 | 3 20 | 12 56 | 0 34 | 8 32 | 8 16 | 23 45 | 0 38 | 23 42 | 0 11 | 3 57 | 2 37 | 17 46 | 0 13 | 12 36 | 1 48 | 6 9 | 12 50 | 12 24 | 12 45 | 18 6 | 5 3 | 2 49 |
| T 3 | 5 26 | 17 50 | 2 26 | 12 49 | 0 47 | 8 28 | 8 21 | 23 43 | 0 39 | 23 43 | 0 11 | 3 59 | 2 37 | 17 46 | 0 13 | 12 36 | 1 48 | 6 9 | 12 50 | 12 24 | 12 46 | 18 5 | 5 2 | 2 49 |
| F 4 | 5 4 | 15 55 | 1 25 | 12 37 | 0 59 | 8 22 | 8 26 | 23 41 | 0 40 | 23 43 | 0 11 | 4 1 | 2 38 | 17 47 | 0 13 | 12 37 | 1 48 | 6 8 | 12 51 | 12 23 | 12 47 | 18 5 | 5 1 | 2 49 |
| S 5 | 4 41 | 13 17 | 0 20 | 12 22 | 1 10 | 8 14 | 8 29 | 23 39 | 0 41 | 23 43 | 0 11 | 4 2 | 2 38 | 17 48 | 0 13 | 12 37 | 1 48 | 6 8 | 12 51 | 12 23 | 12 48 | 18 4 | 5 0 | 2 49 |
| S 6 | 4 17 | 10 3 | 0s47 | 12 3 | 1 19 | 8 5 | 8 32 | 23 36 | 0 42 | 23 43 | 0 11 | 4 4 | 2 38 | 17 48 | 0 13 | 12 38 | 1 48 | 6 8 | 12 51 | 12 23 | 12 49 | 18 4 | 4 59 | 2 49 |
| M 7 | 3 54 | 6 21 | 1 52 | 11 41 | 1 27 | 7 55 | 8 35 | 23 34 | 0 43 | 23 43 | 0 11 | 4 6 | 2 38 | 17 49 | 0 13 | 12 38 | 1 48 | 6 8 | 12 51 | 12 24 | 12 50 | 18 3 | 4 58 | 2 49 |
| T 8 | 3 31 | 2 19 | 2 53 | 11 15 | 1 34 | 7 43 | 8 36 | 23 31 | 0 44 | 23 43 | 0 11 | 4 8 | 2 38 | 17 49 | 0 13 | 12 39 | 1 48 | 6 7 | 12 51 | 12 25 | 12 51 | 18 2 | 4 57 | 2 49 |
| W 9 | 3 8 | 1n52 | 3 46 | 10 47 | 1 40 | 7 30 | 8 36 | 23 29 | 0 45 | 23 43 | 0 11 | 4 10 | 2 38 | 17 50 | 0 13 | 12 39 | 1 48 | 6 7 | 12 52 | 12 26 | 12 52 | 18 2 | 4 56 | 2 48 |
| T 10 | 2 44 | 6 3 | 4 29 | 10 16 | 1 45 | 7 15 | 8 36 | 23 26 | 0 46 | 23 44 | 0 11 | 4 12 | 2 38 | 17 51 | 0 13 | 12 40 | 1 48 | 6 7 | 12 52 | 12 27 | 12 54 | 18 1 | 4 55 | 2 48 |
| F 11 | 2 21 | 10 0 | 4 59 | 9 42 | 1 48 | 7 0 | 8 34 | 23 23 | 0 48 | 23 44 | 0 11 | 4 14 | 2 38 | 17 51 | 0 13 | 12 41 | 1 47 | 6 6 | 12 52 | 12 29 | 12 55 | 18 1 | 4 54 | 2 48 |
| S 12 | 1 57 | 13 32 | 5 13 | 9 7 | 1 51 | 6 43 | 8 32 | 23 20 | 0 49 | 23 44 | 0 12 | 4 16 | 2 38 | 17 52 | 0 13 | 12 41 | 1 47 | 6 6 | 12 52 | 12 30 | 12 56 | 18 0 | 4 52 | 2 48 |
| S 13 | 1 34 | 16 24 | 5 9 | 8 29 | 1 53 | 6 26 | 8 29 | 23 16 | 0 50 | 23 44 | 0 12 | 4 18 | 2 38 | 17 53 | 0 13 | 12 42 | 1 47 | 6 6 | 12 53 | 12 31 | 12 57 | 17 59 | 4 51 | 2 48 |
| M14 | 1 10 | 18 24 | 4 48 | 7 50 | 1 54 | 6 7 | 8 24 | 23 13 | 0 51 | 23 44 | 0 12 | 4 20 | 2 38 | 17 53 | 0 12 | 12 42 | 1 47 | 6 5 | 12 53 | 12 31 | 12 58 | 17 59 | 4 50 | 2 48 |
| T 15 | 0 47 | 19 19 | 4 10 | 7 9 | 1 54 | 5 48 | 8 19 | 23 9 | 0 52 | 23 44 | 0 12 | 4 22 | 2 38 | 17 54 | 0 12 | 12 43 | 1 47 | 6 5 | 12 53 | 12 31 | 12 59 | 17 58 | 4 49 | 2 48 |
| W16 | 0 23 | 19 2 | 3 16 | 6 27 | 1 54 | 5 28 | 8 13 | 23 6 | 0 53 | 23 44 | 0 12 | 4 24 | 2 38 | 17 55 | 0 12 | 12 44 | 1 47 | 6 5 | 12 53 | 12 31 | 13 0 | 17 57 | 4 48 | 2 48 |
| T 17 | 0s 1 | 17 31 | 2 10 | 5 44 | 1 52 | 5 7 | 8 6 | 23 2 | 0 54 | 23 45 | 0 12 | 4 25 | 2 38 | 17 55 | 0 12 | 12 44 | 1 47 | 6 4 | 12 53 | 12 30 | 13 1 | 17 57 | 4 47 | 2 48 |
| F 18 | 0 24 | 14 52 | 0 54 | 5 1 | 1 50 | 4 46 | 7 58 | 22 58 | 0 55 | 23 45 | 0 12 | 4 27 | 2 38 | 17 56 | 0 12 | 12 45 | 1 47 | 6 4 | 12 53 | 12 30 | 13 2 | 17 56 | 4 46 | 2 48 |
| S 19 | 0 48 | 11 16 | 0n25 | 4 16 | 1 48 | 4 25 | 7 50 | 22 55 | 0 56 | 23 45 | 0 12 | 4 29 | 2 38 | 17 57 | 0 12 | 12 46 | 1 47 | 6 4 | 12 54 | 12 30 | 13 3 | 17 55 | 4 44 | 2 48 |
| S 20 | 1 12 | 7 0 | 1 42 | 3 31 | 1 45 | 4 4 | 7 41 | 22 51 | 0 57 | 23 45 | 0 12 | 4 31 | 2 38 | 17 58 | 0 12 | 12 46 | 1 47 | 6 3 | 12 54 | 12 30 | 13 4 | 17 55 | 4 43 | 2 48 |
| M21 | 1 35 | 2 21 | 2 52 | 2 45 | 1 42 | 3 42 | 7 31 | 22 46 | 0 59 | 23 45 | 0 12 | 4 33 | 2 38 | 17 58 | 0 12 | 12 47 | 1 47 | 6 3 | 12 54 | 12 31 | 13 5 | 17 54 | 4 42 | 2 48 |
| T 22 | 1 59 | 2s20 | 3 50 | 2 0 | 1 38 | 3 21 | 7 20 | 22 42 | 1 0 | 23 45 | 0 12 | 4 35 | 2 38 | 17 59 | 0 12 | 12 47 | 1 47 | 6 3 | 12 54 | 12 33 | 13 6 | 17 53 | 4 41 | 2 48 |
| W23 | 2 23 | 6 48 | 4 34 | 1 14 | 1 34 | 3 0 | 7 9 | 22 38 | 1 1 | 23 45 | 0 12 | 4 36 | 2 38 | 18 0 | 0 12 | 12 48 | 1 47 | 6 2 | 12 54 | 12 35 | 13 8 | 17 53 | 4 40 | 2 48 |
| T 24 | 2 46 | 10 48 | 5 0 | 0 27 | 1 29 | 2 39 | 6 57 | 22 34 | 1 2 | 23 45 | 0 13 | 4 38 | 2 38 | 18 1 | 0 12 | 12 49 | 1 47 | 6 2 | 12 55 | 12 38 | 13 9 | 17 52 | 4 39 | 2 48 |
| F 25 | 3 10 | 14 10 | 5 10 | 0s19 | 1 24 | 2 19 | 6 45 | 22 29 | 1 3 | 23 45 | 0 13 | 4 40 | 2 38 | 18 1 | 0 12 | 12 49 | 1 47 | 6 2 | 12 55 | 12 40 | 13 10 | 17 51 | 4 37 | 2 48 |
| S 26 | 3 34 | 16 45 | 5 4 | 1 5 | 1 19 | 1 59 | 6 32 | 22 25 | 1 5 | 23 46 | 0 13 | 4 42 | 2 38 | 18 2 | 0 12 | 12 50 | 1 47 | 6 1 | 12 55 | 12 42 | 13 11 | 17 51 | 4 36 | 2 48 |
| S 27 | 3 57 | 18 29 | 4 44 | 1 51 | 1 13 | 1 40 | 6 20 | 22 20 | 1 6 | 23 46 | 0 13 | 4 43 | 2 38 | 18 3 | 0 12 | 12 51 | 1 47 | 6 1 | 12 55 | 12 43 | 13 12 | 17 50 | 4 35 | 2 48 |
| M28 | 4 21 | 19 20 | 4 11 | 2 37 | 1 8 | 1 21 | 6 6 | 22 15 | 1 7 | 23 46 | 0 13 | 4 45 | 2 38 | 18 4 | 0 12 | 12 51 | 1 47 | 6 1 | 12 55 | 12 44 | 13 13 | 17 49 | 4 34 | 2 47 |
| T 29 | 4 44 | 19 18 | 3 28 | 3 22 | 1 2 | 1 3 | 5 53 | 22 11 | 1 8 | 23 46 | 0 13 | 4 47 | 2 38 | 18 5 | 0 12 | 12 52 | 1 47 | 6 0 | 12 55 | 12 44 | 13 14 | 17 49 | 4 33 | 2 47 |
| W30 | 5s 7 | 18s25 | 2n36 | 4s 8 | 0n56 | 0s46 | 5s40 | 22n 6 | 1n 9 | 23s46 | 0s13 | 4s49 | 2s38 | 18s 5 | 0n12 | 12s53 | 1n47 | 6n 0 | 12s55 | 12n43 | 13n15 | 17s48 | 4n32 | 2n47 |

Julian Day Number = 2138416.5, Delta T = 15m37s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'14, Lahiri = 11°54'15 Julian Calendar 1 Sept. 1142 == Greg. Calendar 8 Sept. 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## OCTOBER 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 3 7 | 13♎54'30 | 8♒14 | 14♎15 | 18°R39 | 26♋58 | 0♑26 | 23°R55 | 21♏48 | 9♏ 3 | 22°R38 | 26♌34 | 24♌56 | 2♒24 | 4°R53 | T 1 |
| F 2 | 1 7 4 | 14°54'13 | 20° 7 | 15°55 | 18♍32 | 27°30 | 0°34 | 23♓51 | 21°52 | 9° 5 | 22♉38 | 26°35 | 24°53 | 2°31 | 4♈51 | F 2 |
| S 3 | 1 11 1 | 15°53'58 | 2♓ 8 | 17°35 | 18°27 | 28° 1 | 0°42 | 23°46 | 21°55 | 9° 7 | 22°37 | 26°R35 | 24°50 | 2°38 | 4°48 | S 3 |
| S 4 | 1 14 57 | 16°53'44 | 14°21 | 19°14 | 18°D25 | 28°32 | 0°50 | 23°42 | 21°58 | 9° 9 | 22°36 | 26°33 | 24°47 | 2°44 | 4°45 | S 4 |
| M 5 | 1 18 54 | 17°53'33 | 26°49 | 20°53 | 18°25 | 29° 3 | 0°58 | 23°38 | 22° 1 | 9°12 | 22°35 | 26°29 | 24°43 | 2°51 | 4°42 | M 5 |
| T 6 | 1 22 50 | 18°53'23 | 9♈34 | 22°31 | 18°27 | 29°33 | 1° 6 | 23°34 | 22° 4 | 9°14 | 22°34 | 26°23 | 24°40 | 2°58 | 4°40 | T 6 |
| W 7 | 1 26 47 | 19°53'15 | 22°37 | 24° 8 | 18°32 | 0♌ 4 | 1°14 | 23°30 | 22° 8 | 9°16 | 22°33 | 26°15 | 24°37 | 3° 4 | 4°37 | W 7 |
| T 8 | 1 30 43 | 20°53'09 | 5♉56 | 25°45 | 18°39 | 0°34 | 1°23 | 23°26 | 22°11 | 9°18 | 22°32 | 26° 5 | 24°34 | 3°11 | 4°34 | T 8 |
| F 9 | 1 34 40 | 21°53'05 | 19°29 | 27°21 | 18°48 | 1° 4 | 1°31 | 23°22 | 22°14 | 9°20 | 22°31 | 25°56 | 24°31 | 3°18 | 4°32 | F 9 |
| S 10 | 1 38 36 | 22°53'03 | 3♊14 | 28°57 | 19° 0 | 1°34 | 1°40 | 23°19 | 22°17 | 9°22 | 22°30 | 25°47 | 24°28 | 3°24 | 4°29 | S 10 |
| S 11 | 1 42 33 | 23°53'04 | 17° 7 | 0♏32 | 19°14 | 2° 4 | 1°49 | 23°15 | 22°21 | 9°24 | 22°29 | 25°40 | 24°24 | 3°31 | 4°27 | S 11 |
| M12 | 1 46 30 | 24°53'07 | 1♋ 7 | 2° 7 | 19°30 | 2°33 | 1°58 | 23°11 | 22°24 | 9°27 | 22°28 | 25°35 | 24°21 | 3°38 | 4°24 | M12 |
| T 13 | 1 50 26 | 25°53'12 | 15°10 | 3°41 | 19°48 | 3° 2 | 2° 7 | 23° 8 | 22°28 | 9°29 | 22°27 | 25°32 | 24°18 | 3°44 | 4°22 | T 13 |
| W14 | 1 54 23 | 26°53'19 | 29°16 | 5°15 | 20° 7 | 3°31 | 2°17 | 23° 4 | 22°31 | 9°31 | 22°26 | 25°D32 | 24°15 | 3°51 | 4°19 | W14 |
| T 15 | 1 58 19 | 27°53'28 | 13♌23 | 6°49 | 20°29 | 4° 0 | 2°26 | 23° 1 | 22°34 | 9°33 | 22°25 | 25°32 | 24°12 | 3°58 | 4°16 | T 15 |
| F 16 | 2 2 16 | 28°53'39 | 27°30 | 8°22 | 20°53 | 4°29 | 2°36 | 22°57 | 22°38 | 9°36 | 22°24 | 25°R33 | 24° 9 | 4° 4 | 4°14 | F 16 |
| S 17 | 2 6 12 | 29°53'53 | 11♍36 | 9°55 | 21°18 | 4°57 | 2°45 | 22°54 | 22°41 | 9°38 | 22°23 | 25°32 | 24° 5 | 4°11 | 4°12 | S 17 |
| S 18 | 2 10 9 | 0♏54'08 | 25°39 | 11°27 | 21°45 | 5°25 | 2°55 | 22°51 | 22°45 | 9°40 | 22°22 | 25°28 | 24° 2 | 4°18 | 4° 9 | S 18 |
| M19 | 2 14 5 | 1°54'26 | 9♎36 | 12°59 | 22°14 | 5°53 | 3° 5 | 22°48 | 22°48 | 9°42 | 22°21 | 25°22 | 23°59 | 4°24 | 4° 7 | M19 |
| T 20 | 2 18 2 | 2°54'45 | 23°24 | 14°31 | 22°45 | 6°21 | 3°15 | 22°45 | 22°52 | 9°44 | 22°20 | 25°13 | 23°56 | 4°31 | 4° 4 | T 20 |
| W21 | 2 21 59 | 3°55'07 | 6♏58 | 16° 2 | 23°17 | 6°48 | 3°25 | 22°42 | 22°55 | 9°47 | 22°19 | 25° 2 | 23°53 | 4°38 | 4° 2 | W21 |
| T 22 | 2 25 55 | 4°55'30 | 20°16 | 17°33 | 23°50 | 7°15 | 3°35 | 22°39 | 22°59 | 9°49 | 22°18 | 24°49 | 23°49 | 4°44 | 4° 0 | T 22 |
| F 23 | 2 29 52 | 5°55'54 | 3♐16 | 19° 3 | 24°25 | 7°42 | 3°45 | 22°36 | 23° 2 | 9°51 | 22°17 | 24°37 | 23°46 | 4°51 | 3°57 | F 23 |
| S 24 | 2 33 48 | 6°56'21 | 15°57 | 20°33 | 25° 1 | 8° 9 | 3°56 | 22°33 | 23° 6 | 9°53 | 22°16 | 24°26 | 23°43 | 4°58 | 3°55 | S 24 |
| S 25 | 2 37 45 | 7°56'49 | 28°20 | 22° 3 | 25°39 | 8°35 | 4° 6 | 22°31 | 23°10 | 9°56 | 22°15 | 24°17 | 23°40 | 5° 4 | 3°53 | S 25 |
| M26 | 2 41 41 | 8°57'18 | 10♑28 | 23°32 | 26°17 | 9° 1 | 4°17 | 22°28 | 23°13 | 9°58 | 22°14 | 24°11 | 23°37 | 5°11 | 3°51 | M26 |
| T 27 | 2 45 38 | 9°57'49 | 22°24 | 25° 1 | 26°57 | 9°27 | 4°28 | 22°26 | 23°17 | 10° 0 | 22°13 | 24° 8 | 23°34 | 5°17 | 3°49 | T 27 |
| W28 | 2 49 34 | 10°58'21 | 4♒14 | 26°30 | 27°39 | 9°52 | 4°39 | 22°23 | 23°20 | 10° 2 | 22°11 | 24° 6 | 23°30 | 5°24 | 3°47 | W28 |
| T 29 | 2 53 31 | 11°58'54 | 16° 2 | 27°58 | 28°21 | 10°18 | 4°50 | 22°21 | 23°24 | 10° 5 | 22°10 | 24°D 6 | 23°27 | 5°31 | 3°45 | T 29 |
| F 30 | 2 57 28 | 12°59'29 | 27°54 | 29°25 | 29° 4 | 10°43 | 5° 1 | 22°19 | 23°28 | 10° 7 | 22° 9 | 24°R 6 | 23°24 | 5°37 | 3°43 | F 30 |
| S 31 | 3 1 24 | 14♏ 0'04 | 9♓55 | 0♐52 | 29♍49 | 11♌ 7 | 5♑12 | 22♓17 | 23♏31 | 10♏ 9 | 22♉ 8 | 24♌ 5 | 23♌21 | 5♒44 | 3♈41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s31 | 16s43 | 1n38 | 4s53 | 0n50 | 0s29 | 5s26 | 22n 1 | 1n11 | 23s46 | 0s13 | 4s50 | 2s38 | 18s 6 | 0n12 | 12s54 | 1n47 | 6n 0 | 12s56 | 12n43 | 13n16 | 17s47 | 4n30 | 2n47 |
| F 2 | 5 54 | 14 18 | 0 35 | 5 37 | 0 43 | 0 14 | 5 12 | 21 56 | 1 12 | 23 46 | 0 13 | 4 52 | 2 37 | 18 7 | 0 12 | 12 54 | 1 47 | 5 59 | 12 56 | 12 43 | 13 17 | 17 47 | 4 29 | 2 47 |
| S 3 | 6 17 | 11 14 | 0s30 | 6 22 | 0 37 | 0n 1 | 4 58 | 21 51 | 1 13 | 23 46 | 0 13 | 4 53 | 2 37 | 18 8 | 0 12 | 12 55 | 1 47 | 5 59 | 12 56 | 12 43 | 13 18 | 17 46 | 4 28 | 2 47 |
| S 4 | 6 40 | 7 38 | 1 34 | 7 5 | 0 31 | 0 14 | 4 44 | 21 46 | 1 14 | 23 46 | 0 13 | 4 55 | 2 37 | 18 9 | 0 12 | 12 56 | 1 47 | 5 59 | 12 56 | 12 43 | 13 19 | 17 45 | 4 27 | 2 47 |
| M 5 | 7 3 | 3 39 | 2 35 | 7 49 | 0 24 | 0 27 | 4 31 | 21 41 | 1 16 | 23 46 | 0 13 | 4 57 | 2 37 | 18 10 | 0 12 | 12 56 | 1 47 | 5 58 | 12 56 | 12 45 | 13 20 | 17 44 | 4 26 | 2 47 |
| T 6 | 7 26 | 0n36 | 3 30 | 8 32 | 0 17 | 0 39 | 4 17 | 21 35 | 1 17 | 23 46 | 0 13 | 4 58 | 2 37 | 18 10 | 0 12 | 12 57 | 1 47 | 5 58 | 12 56 | 12 47 | 13 21 | 17 44 | 4 25 | 2 47 |
| W 7 | 7 49 | 4 54 | 4 15 | 9 14 | 0 11 | 0 49 | 4 3 | 21 30 | 1 18 | 23 46 | 0 14 | 5 0 | 2 37 | 18 11 | 0 12 | 12 58 | 1 47 | 5 58 | 12 56 | 12 50 | 13 23 | 17 43 | 4 23 | 2 47 |
| T 8 | 8 11 | 9 3 | 4 47 | 9 56 | 0 4 | 0 59 | 3 50 | 21 25 | 1 19 | 23 46 | 0 14 | 5 1 | 2 37 | 18 12 | 0 12 | 12 58 | 1 47 | 5 57 | 12 56 | 12 53 | 13 24 | 17 42 | 4 22 | 2 46 |
| F 9 | 8 34 | 12 49 | 5 3 | 10 37 | 0s 3 | 1 8 | 3 37 | 21 20 | 1 21 | 23 46 | 0 14 | 5 2 | 2 37 | 18 13 | 0 12 | 12 59 | 1 47 | 5 57 | 12 57 | 12 56 | 13 25 | 17 42 | 4 21 | 2 46 |
| S 10 | 8 56 | 15 57 | 5 3 | 11 18 | 0 9 | 1 15 | 3 23 | 21 14 | 1 22 | 23 46 | 0 14 | 5 4 | 2 37 | 18 14 | 0 12 | 13 0 | 1 47 | 5 57 | 12 57 | 12 59 | 13 26 | 17 41 | 4 20 | 2 46 |
| S 11 | 9 19 | 18 12 | 4 44 | 11 58 | 0 16 | 1 22 | 3 10 | 21 9 | 1 23 | 23 46 | 0 14 | 5 5 | 2 37 | 18 15 | 0 12 | 13 0 | 1 47 | 5 56 | 12 57 | 13 2 | 13 27 | 17 40 | 4 19 | 2 46 |
| M12 | 9 41 | 19 24 | 4 9 | 12 37 | 0 23 | 1 27 | 2 58 | 21 3 | 1 25 | 23 46 | 0 14 | 5 7 | 2 36 | 18 16 | 0 12 | 13 1 | 1 47 | 5 56 | 12 57 | 13 3 | 13 28 | 17 39 | 4 18 | 2 46 |
| T 13 | 10 3 | 19 24 | 3 18 | 13 16 | 0 29 | 1 32 | 2 45 | 20 58 | 1 26 | 23 46 | 0 14 | 5 8 | 2 36 | 18 16 | 0 12 | 13 2 | 1 47 | 5 56 | 12 57 | 13 4 | 13 29 | 17 39 | 4 16 | 2 46 |
| W14 | 10 25 | 18 11 | 2 16 | 13 54 | 0 36 | 1 36 | 2 33 | 20 52 | 1 28 | 23 46 | 0 14 | 5 9 | 2 36 | 18 17 | 0 12 | 13 3 | 1 47 | 5 55 | 12 57 | 13 4 | 13 30 | 17 38 | 4 15 | 2 46 |
| T 15 | 10 46 | 15 51 | 1 5 | 14 31 | 0 43 | 1 38 | 2 20 | 20 47 | 1 29 | 23 46 | 0 14 | 5 10 | 2 36 | 18 18 | 0 12 | 13 3 | 1 47 | 5 55 | 12 57 | 13 4 | 13 31 | 17 37 | 4 14 | 2 46 |
| F 16 | 11 8 | 12 34 | 0n10 | 15 8 | 0 49 | 1 40 | 2 8 | 20 41 | 1 30 | 23 46 | 0 14 | 5 12 | 2 36 | 18 19 | 0 12 | 13 4 | 1 47 | 5 55 | 12 57 | 13 4 | 13 32 | 17 36 | 4 13 | 2 45 |
| S 17 | 11 29 | 8 33 | 1 25 | 15 44 | 0 55 | 1 41 | 1 57 | 20 36 | 1 32 | 23 45 | 0 14 | 5 13 | 2 36 | 18 20 | 0 12 | 13 5 | 1 47 | 5 54 | 12 57 | 13 4 | 13 33 | 17 36 | 4 12 | 2 45 |
| S 18 | 11 50 | 4 5 | 2 33 | 16 19 | 1 2 | 1 40 | 1 45 | 20 30 | 1 33 | 23 45 | 0 14 | 5 14 | 2 36 | 18 21 | 0 12 | 13 5 | 1 47 | 5 54 | 12 57 | 13 5 | 13 34 | 17 35 | 4 11 | 2 45 |
| M19 | 12 11 | 0s35 | 3 32 | 16 53 | 1 8 | 1 39 | 1 34 | 20 25 | 1 35 | 23 45 | 0 14 | 5 15 | 2 35 | 18 22 | 0 12 | 13 6 | 1 46 | 5 54 | 12 57 | 13 7 | 13 35 | 17 34 | 4 10 | 2 45 |
| T 20 | 12 32 | 5 8 | 4 17 | 17 27 | 1 14 | 1 37 | 1 23 | 20 19 | 1 36 | 23 45 | 0 14 | 5 16 | 2 35 | 18 23 | 0 12 | 13 7 | 1 46 | 5 53 | 12 57 | 13 11 | 13 36 | 17 33 | 4 9 | 2 45 |
| W21 | 12 53 | 9 22 | 4 47 | 17 59 | 1 20 | 1 34 | 1 13 | 20 14 | 1 38 | 23 45 | 0 15 | 5 17 | 2 35 | 18 24 | 0 12 | 13 8 | 1 46 | 5 53 | 12 58 | 13 14 | 13 37 | 17 33 | 4 8 | 2 45 |
| T 22 | 13 13 | 13 3 | 5 1 | 18 31 | 1 26 | 1 31 | 1 2 | 20 8 | 1 39 | 23 45 | 0 15 | 5 18 | 2 35 | 18 25 | 0 12 | 13 8 | 1 46 | 5 53 | 12 58 | 13 18 | 13 38 | 17 32 | 4 7 | 2 45 |
| F 23 | 13 34 | 16 1 | 4 59 | 19 2 | 1 31 | 1 26 | 0 52 | 20 3 | 1 41 | 23 44 | 0 15 | 5 19 | 2 35 | 18 26 | 0 12 | 13 9 | 1 46 | 5 53 | 12 58 | 13 23 | 13 39 | 17 31 | 4 6 | 2 44 |
| S 24 | 13 54 | 18 8 | 4 41 | 19 32 | 1 37 | 1 21 | 0 42 | 19 57 | 1 42 | 23 44 | 0 15 | 5 20 | 2 35 | 18 26 | 0 12 | 13 10 | 1 46 | 5 52 | 12 58 | 13 26 | 13 41 | 17 30 | 4 5 | 2 44 |
| S 25 | 14 13 | 19 21 | 4 11 | 20 1 | 1 42 | 1 14 | 0 33 | 19 52 | 1 44 | 23 44 | 0 15 | 5 21 | 2 34 | 18 27 | 0 12 | 13 10 | 1 46 | 5 52 | 12 58 | 13 29 | 13 42 | 17 29 | 4 4 | 2 44 |
| M26 | 14 33 | 19 39 | 3 30 | 20 28 | 1 47 | 1 8 | 0 23 | 19 46 | 1 45 | 23 44 | 0 15 | 5 22 | 2 34 | 18 28 | 0 12 | 13 11 | 1 46 | 5 52 | 12 58 | 13 31 | 13 43 | 17 29 | 4 3 | 2 44 |
| T 27 | 14 52 | 19 3 | 2 40 | 20 55 | 1 52 | 1 0 | 0 14 | 19 41 | 1 47 | 23 43 | 0 15 | 5 22 | 2 34 | 18 29 | 0 12 | 13 12 | 1 46 | 5 51 | 12 58 | 13 32 | 13 44 | 17 28 | 4 2 | 2 44 |
| W28 | 15 11 | 17 37 | 1 44 | 21 21 | 1 57 | 0 52 | 0 5 | 19 35 | 1 48 | 23 43 | 0 15 | 5 23 | 2 34 | 18 30 | 0 12 | 13 13 | 1 46 | 5 51 | 12 58 | 13 33 | 13 45 | 17 27 | 4 1 | 2 44 |
| T 29 | 15 30 | 15 25 | 0 43 | 21 46 | 2 1 | 0 43 | 0n 3 | 19 30 | 1 50 | 23 43 | 0 15 | 5 24 | 2 34 | 18 31 | 0 12 | 13 13 | 1 46 | 5 51 | 12 58 | 13 33 | 13 46 | 17 26 | 4 0 | 2 44 |
| F 30 | 15 49 | 12 34 | 0s20 | 22 10 | 2 6 | 0 33 | 0 12 | 19 25 | 1 51 | 23 42 | 0 15 | 5 24 | 2 33 | 18 32 | 0 12 | 13 14 | 1 46 | 5 51 | 12 58 | 13 33 | 13 47 | 17 25 | 3 59 | 2 43 |
| S 31 | 16s 7 | 9s10 | 1s23 | 22s32 | 2s10 | 0n23 | 0n20 | 19n20 | 1n53 | 23s42 | 0s15 | 5s25 | 2s33 | 18s33 | 0n12 | 13s15 | 1n46 | 5n50 | 12s58 | 13n33 | 13n48 | 17s25 | 3n58 | 2n43 |

Julian Day Number = 2138446.5, Delta T = 15m37s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'18, Lahiri = 11°54'19 Julian Calendar 1 Oct. 1142 == Greg. Calendar 8 Oct. 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## NOVEMBER 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 5 21 | 15♏ 0'42 | 22♓12 | 2♐19 | 0♎34 | 11♌31 | 5♑23 | 22°R15 | 23♏35 | 10♏11 | 22°R 7 | 24°R 3 | 23♌18 | 5♒51 | 3°R39 | S 1 |
| M 2 | 3 9 17 | 16° 1'20 | 4♈47 | 3°45 | 1°21 | 11°55 | 5°34 | 22♓13 | 23°39 | 10°14 | 22♉ 6 | 23♌57 | 23°15 | 5°57 | 3♈37 | M 2 |
| T 3 | 3 13 14 | 17° 2'00 | 17°43 | 5°10 | 2° 8 | 12°19 | 5°46 | 22°12 | 23°42 | 10°16 | 22° 5 | 23°49 | 23°11 | 6° 4 | 3°35 | T 3 |
| W 4 | 3 17 10 | 18° 2'41 | 1♉ 3 | 6°34 | 2°57 | 12°42 | 5°57 | 22°10 | 23°46 | 10°18 | 22° 4 | 23°38 | 23° 8 | 6°11 | 3°33 | W 4 |
| T 5 | 3 21 7 | 19° 3'23 | 14°44 | 7°57 | 3°46 | 13° 5 | 6° 9 | 22° 8 | 23°50 | 10°20 | 22° 2 | 23°26 | 23° 5 | 6°17 | 3°31 | T 5 |
| F 6 | 3 25 3 | 20° 4'07 | 28°43 | 9°19 | 4°36 | 13°28 | 6°21 | 22° 7 | 23°53 | 10°23 | 22° 1 | 23°13 | 23° 2 | 6°24 | 3°30 | F 6 |
| S 7 | 3 29 0 | 21° 4'52 | 12♊56 | 10°40 | 5°27 | 13°50 | 6°32 | 22° 6 | 23°57 | 10°25 | 22° 0 | 23° 1 | 22°59 | 6°31 | 3°28 | S 7 |
| S 8 | 3 32 57 | 22° 5'38 | 27°17 | 12° 0 | 6°19 | 14°12 | 6°44 | 22° 5 | 24° 1 | 10°27 | 21°59 | 22°51 | 22°55 | 6°37 | 3°26 | S 8 |
| M 9 | 3 36 53 | 23° 6'26 | 11♋40 | 13°18 | 7°11 | 14°34 | 6°56 | 22° 3 | 24° 5 | 10°29 | 21°58 | 22°44 | 22°52 | 6°44 | 3°25 | M 9 |
| T 10 | 3 40 50 | 24° 7'16 | 26° 0 | 14°35 | 8° 4 | 14°55 | 7° 8 | 22° 2 | 24° 8 | 10°32 | 21°57 | 22°40 | 22°49 | 6°51 | 3°23 | T 10 |
| W11 | 3 44 46 | 25° 8'07 | 10♌14 | 15°49 | 8°58 | 15°16 | 7°20 | 22° 2 | 24°12 | 10°34 | 21°56 | 22°38 | 22°46 | 6°57 | 3°22 | W11 |
| T 12 | 3 48 43 | 26° 9'00 | 24°20 | 17° 1 | 9°53 | 15°36 | 7°32 | 22° 1 | 24°16 | 10°36 | 21°54 | 22°38 | 22°43 | 7° 4 | 3°20 | T 12 |
| F 13 | 3 52 39 | 27° 9'54 | 8♍18 | 18°11 | 10°48 | 15°56 | 7°45 | 22° 0 | 24°19 | 10°38 | 21°53 | 22°38 | 22°40 | 7°11 | 3°19 | F 13 |
| S 14 | 3 56 36 | 28°10'49 | 22° 7 | 19°17 | 11°44 | 16°16 | 7°57 | 22° 0 | 24°23 | 10°40 | 21°52 | 22°36 | 22°36 | 7°17 | 3°18 | S 14 |
| S 15 | 4 0 32 | 29°11'46 | 5♎48 | 20°20 | 12°40 | 16°35 | 8° 9 | 21°59 | 24°27 | 10°42 | 21°51 | 22°32 | 22°33 | 7°24 | 3°16 | S 15 |
| M16 | 4 4 29 | 0♐12'44 | 19°19 | 21°18 | 13°37 | 16°54 | 8°22 | 21°59 | 24°30 | 10°45 | 21°50 | 22°25 | 22°30 | 7°31 | 3°15 | M16 |
| T 17 | 4 8 26 | 1°13'43 | 2♏41 | 22°12 | 14°35 | 17°12 | 8°34 | 21°59 | 24°34 | 10°47 | 21°49 | 22°15 | 22°27 | 7°37 | 3°14 | T 17 |
| W18 | 4 12 22 | 2°14'43 | 15°52 | 23° 1 | 15°33 | 17°30 | 8°47 | 21°58 | 24°38 | 10°49 | 21°48 | 22° 3 | 22°24 | 7°44 | 3°13 | W18 |
| T 19 | 4 16 19 | 3°15'45 | 28°50 | 23°44 | 16°31 | 17°47 | 9° 0 | 21°D58 | 24°41 | 10°51 | 21°47 | 21°49 | 22°20 | 7°50 | 3°12 | T 19 |
| F 20 | 4 20 15 | 4°16'48 | 11♐34 | 24°19 | 17°30 | 18° 4 | 9°12 | 21°58 | 24°45 | 10°53 | 21°45 | 21°35 | 22°17 | 7°57 | 3°11 | F 20 |
| S 21 | 4 24 12 | 5°17'51 | 24° 5 | 24°48 | 18°30 | 18°21 | 9°25 | 21°59 | 24°49 | 10°55 | 21°44 | 21°23 | 22°14 | 8° 4 | 3°10 | S 21 |
| S 22 | 4 28 8 | 6°18'55 | 6♑21 | 25° 7 | 19°30 | 18°37 | 9°38 | 21°59 | 24°52 | 10°57 | 21°43 | 21°13 | 22°11 | 8°10 | 3° 9 | S 22 |
| M23 | 4 32 5 | 7°20'00 | 18°24 | 25°18 | 20°31 | 18°52 | 9°51 | 21°59 | 24°56 | 10°59 | 21°42 | 21° 5 | 22° 8 | 8°17 | 3° 8 | M23 |
| T 24 | 4 36 1 | 8°21'05 | 0♒18 | 25°R18 | 21°31 | 19° 7 | 10° 4 | 22° 0 | 25° 0 | 11° 2 | 21°41 | 21° 1 | 22° 5 | 8°24 | 3° 7 | T 24 |
| W25 | 4 39 58 | 9°22'11 | 12° 6 | 25° 7 | 22°33 | 19°22 | 10°17 | 22° 1 | 25° 3 | 11° 4 | 21°40 | 20°59 | 22° 1 | 8°30 | 3° 6 | W25 |
| T 26 | 4 43 55 | 10°23'18 | 23°53 | 24°45 | 23°34 | 19°36 | 10°30 | 22° 1 | 25° 7 | 11° 6 | 21°39 | 20°D58 | 21°58 | 8°37 | 3° 6 | T 26 |
| F 27 | 4 47 51 | 11°24'25 | 5♓43 | 24°11 | 24°37 | 19°49 | 10°43 | 22° 2 | 25°10 | 11° 8 | 21°38 | 20°R59 | 21°55 | 8°44 | 3° 5 | F 27 |
| S 28 | 4 51 48 | 12°25'32 | 17°42 | 23°25 | 25°39 | 20° 2 | 10°56 | 22° 3 | 25°14 | 11°10 | 21°37 | 20°59 | 21°52 | 8°50 | 3° 5 | S 28 |
| S 29 | 4 55 44 | 13°26'39 | 29°57 | 22°29 | 26°42 | 20°14 | 11°10 | 22° 4 | 25°18 | 11°12 | 21°36 | 20°57 | 21°49 | 8°57 | 3° 4 | S 29 |
| M30 | 4 59 41 | 14♐27'47 | 12♈31 | 21♐24 | 27♎45 | 20♌26 | 11♑23 | 22♓ 5 | 25♏21 | 11♏14 | 21♉35 | 20♌54 | 21♌46 | 9♒ 4 | 3♈ 4 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s25 | 5s18 | 2s23 | 22s54 | 2s13 | 0n12 | 0n28 | 19n14 | 1n55 | 23s42 | 0s15 | 5s26 | 2s33 | 18s34 | 0n12 | 13s15 | 1n46 | 5n50 | 12s58 | 13n34 | 13n49 | 17s24 | 3n57 | 2n43 |
| M 2 | 16 43 | 1 7 | 3 18 | 23 14 | 2 16 | 0 0 | 0 35 | 19 9 | 1 56 | 23 41 | 0 15 | 5 26 | 2 33 | 18 35 | 0 12 | 13 16 | 1 46 | 5 50 | 12 58 | 13 36 | 13 50 | 17 23 | 3 56 | 2 43 |
| T 3 | 17 0 | 3n14 | 4 4 | 23 32 | 2 19 | 0s12 | 0 43 | 19 4 | 1 58 | 23 41 | 0 15 | 5 27 | 2 33 | 18 36 | 0 12 | 13 17 | 1 46 | 5 49 | 12 58 | 13 39 | 13 51 | 17 22 | 3 55 | 2 43 |
| W 4 | 17 17 | 7 33 | 4 38 | 23 50 | 2 22 | 0 25 | 0 50 | 18 59 | 2 0 | 23 40 | 0 16 | 5 27 | 2 32 | 18 37 | 0 12 | 13 18 | 1 46 | 5 49 | 12 58 | 13 42 | 13 52 | 17 21 | 3 54 | 2 42 |
| T 5 | 17 34 | 11 36 | 4 57 | 24 6 | 2 24 | 0 38 | 0 57 | 18 54 | 2 1 | 23 40 | 0 16 | 5 28 | 2 32 | 18 38 | 0 12 | 13 18 | 1 46 | 5 49 | 12 58 | 13 46 | 13 53 | 17 21 | 3 53 | 2 42 |
| F 6 | 17 50 | 15 6 | 4 59 | 24 21 | 2 26 | 0 52 | 1 3 | 18 49 | 2 3 | 23 39 | 0 16 | 5 28 | 2 32 | 18 38 | 0 12 | 13 19 | 1 46 | 5 49 | 12 58 | 13 51 | 13 54 | 17 20 | 3 52 | 2 42 |
| S 7 | 18 7 | 17 47 | 4 43 | 24 34 | 2 27 | 1 6 | 1 10 | 18 44 | 2 5 | 23 39 | 0 16 | 5 28 | 2 32 | 18 39 | 0 12 | 13 20 | 1 47 | 5 48 | 12 58 | 13 55 | 13 55 | 17 19 | 3 52 | 2 42 |
| S 8 | 18 22 | 19 23 | 4 8 | 24 46 | 2 28 | 1 21 | 1 16 | 18 39 | 2 6 | 23 38 | 0 16 | 5 28 | 2 31 | 18 40 | 0 12 | 13 20 | 1 47 | 5 48 | 12 58 | 13 58 | 13 56 | 17 18 | 3 51 | 2 42 |
| M 9 | 18 38 | 19 44 | 3 18 | 24 57 | 2 28 | 1 37 | 1 22 | 18 35 | 2 8 | 23 38 | 0 16 | 5 29 | 2 31 | 18 41 | 0 12 | 13 21 | 1 47 | 5 48 | 12 58 | 14 0 | 13 57 | 17 17 | 3 50 | 2 42 |
| T 10 | 18 53 | 18 49 | 2 16 | 25 6 | 2 28 | 1 52 | 1 28 | 18 30 | 2 10 | 23 37 | 0 16 | 5 29 | 2 31 | 18 42 | 0 12 | 13 22 | 1 47 | 5 48 | 12 58 | 14 1 | 13 58 | 17 16 | 3 49 | 2 41 |
| W11 | 19 8 | 16 43 | 1 5 | 25 13 | 2 27 | 2 9 | 1 33 | 18 26 | 2 12 | 23 37 | 0 16 | 5 29 | 2 31 | 18 43 | 0 12 | 13 22 | 1 47 | 5 47 | 12 58 | 14 2 | 13 59 | 17 16 | 3 48 | 2 41 |
| T 12 | 19 23 | 13 37 | 0n 9 | 25 19 | 2 25 | 2 25 | 1 39 | 18 21 | 2 14 | 23 36 | 0 16 | 5 29 | 2 31 | 18 44 | 0 12 | 13 23 | 1 47 | 5 47 | 12 58 | 14 2 | 14 0 | 17 15 | 3 48 | 2 41 |
| F 13 | 19 37 | 9 46 | 1 22 | 25 23 | 2 22 | 2 42 | 1 44 | 18 17 | 2 15 | 23 35 | 0 16 | 5 29 | 2 30 | 18 45 | 0 12 | 13 24 | 1 47 | 5 47 | 12 58 | 14 2 | 14 1 | 17 14 | 3 47 | 2 41 |
| S 14 | 19 51 | 5 25 | 2 29 | 25 25 | 2 19 | 3 0 | 1 49 | 18 13 | 2 17 | 23 35 | 0 16 | 5 29 | 2 30 | 18 46 | 0 12 | 13 24 | 1 47 | 5 47 | 12 57 | 14 3 | 14 2 | 17 13 | 3 46 | 2 41 |
| S 15 | 20 4 | 0 51 | 3 27 | 25 26 | 2 15 | 3 17 | 1 53 | 18 9 | 2 19 | 23 34 | 0 16 | 5 29 | 2 30 | 18 47 | 0 12 | 13 25 | 1 47 | 5 47 | 12 57 | 14 4 | 14 4 | 17 12 | 3 46 | 2 40 |
| M16 | 20 17 | 3s42 | 4 13 | 25 25 | 2 10 | 3 35 | 1 58 | 18 5 | 2 21 | 23 33 | 0 16 | 5 29 | 2 30 | 18 48 | 0 12 | 13 26 | 1 47 | 5 46 | 12 57 | 14 6 | 14 5 | 17 11 | 3 45 | 2 40 |
| T 17 | 20 30 | 8 1 | 4 43 | 25 23 | 2 4 | 3 54 | 2 2 | 18 1 | 2 23 | 23 33 | 0 17 | 5 29 | 2 29 | 18 49 | 0 12 | 13 26 | 1 47 | 5 46 | 12 57 | 14 9 | 14 6 | 17 10 | 3 44 | 2 40 |
| W18 | 20 42 | 11 54 | 4 59 | 25 18 | 1 57 | 4 12 | 2 6 | 17 57 | 2 25 | 23 32 | 0 17 | 5 29 | 2 29 | 18 49 | 0 12 | 13 27 | 1 47 | 5 46 | 12 57 | 14 13 | 14 7 | 17 9 | 3 44 | 2 40 |
| T 19 | 20 54 | 15 8 | 4 58 | 25 12 | 1 48 | 4 31 | 2 10 | 17 54 | 2 27 | 23 31 | 0 17 | 5 29 | 2 29 | 18 50 | 0 12 | 13 28 | 1 47 | 5 46 | 12 57 | 14 18 | 14 8 | 17 9 | 3 43 | 2 40 |
| F 20 | 21 6 | 17 36 | 4 43 | 25 4 | 1 39 | 4 51 | 2 14 | 17 50 | 2 29 | 23 30 | 0 17 | 5 28 | 2 29 | 18 51 | 0 12 | 13 28 | 1 47 | 5 46 | 12 57 | 14 22 | 14 9 | 17 8 | 3 42 | 2 39 |
| S 21 | 21 17 | 19 11 | 4 14 | 24 54 | 1 28 | 5 10 | 2 17 | 17 47 | 2 31 | 23 30 | 0 17 | 5 28 | 2 29 | 18 52 | 0 12 | 13 29 | 1 47 | 5 45 | 12 57 | 14 26 | 14 10 | 17 7 | 3 42 | 2 39 |
| S 22 | 21 28 | 19 51 | 3 33 | 24 43 | 1 16 | 5 30 | 2 20 | 17 44 | 2 33 | 23 29 | 0 17 | 5 28 | 2 28 | 18 53 | 0 12 | 13 29 | 1 47 | 5 45 | 12 57 | 14 30 | 14 11 | 17 6 | 3 41 | 2 39 |
| M23 | 21 38 | 19 34 | 2 44 | 24 30 | 1 2 | 5 50 | 2 24 | 17 41 | 2 35 | 23 28 | 0 17 | 5 27 | 2 28 | 18 54 | 0 12 | 13 30 | 1 47 | 5 45 | 12 57 | 14 32 | 14 12 | 17 5 | 3 41 | 2 39 |
| T 24 | 21 48 | 18 26 | 1 48 | 24 15 | 0 47 | 6 10 | 2 27 | 17 38 | 2 37 | 23 27 | 0 17 | 5 27 | 2 28 | 18 55 | 0 12 | 13 31 | 1 47 | 5 45 | 12 57 | 14 34 | 14 13 | 17 4 | 3 40 | 2 39 |
| W25 | 21 57 | 16 29 | 0 47 | 23 58 | 0 30 | 6 30 | 2 29 | 17 36 | 2 39 | 23 26 | 0 17 | 5 26 | 2 28 | 18 56 | 0 12 | 13 31 | 1 47 | 5 45 | 12 56 | 14 34 | 14 14 | 17 3 | 3 40 | 2 38 |
| T 26 | 22 6 | 13 52 | 0s15 | 23 39 | 0 13 | 6 51 | 2 32 | 17 33 | 2 41 | 23 25 | 0 17 | 5 26 | 2 27 | 18 57 | 0 12 | 13 32 | 1 47 | 5 45 | 12 56 | 14 34 | 14 15 | 17 2 | 3 39 | 2 38 |
| F 27 | 22 15 | 10 40 | 1 18 | 23 19 | 0n 6 | 7 11 | 2 34 | 17 31 | 2 43 | 23 24 | 0 17 | 5 25 | 2 27 | 18 57 | 0 12 | 13 32 | 1 47 | 5 45 | 12 56 | 14 34 | 14 16 | 17 1 | 3 39 | 2 38 |
| S 28 | 22 23 | 6 59 | 2 18 | 22 58 | 0 25 | 7 32 | 2 36 | 17 29 | 2 45 | 23 23 | 0 17 | 5 25 | 2 27 | 18 58 | 0 12 | 13 33 | 1 47 | 5 44 | 12 56 | 14 34 | 14 17 | 17 1 | 3 38 | 2 38 |
| S 29 | 22 31 | 2 57 | 3 12 | 22 35 | 0 45 | 7 53 | 2 39 | 17 27 | 2 47 | 23 22 | 0 17 | 5 24 | 2 27 | 18 59 | 0 12 | 13 34 | 1 47 | 5 44 | 12 56 | 14 35 | 14 18 | 17 0 | 3 38 | 2 38 |
| M30 | 22s38 | 1n18 | 3s59 | 22s11 | 1n 6 | 8s14 | 2n40 | 17n25 | 2n49 | 23s21 | 0s18 | 5s23 | 2s26 | 19s 0 | 0n12 | 13s34 | 1n47 | 5n44 | 12s56 | 14n36 | 14n19 | 16s59 | 3n38 | 2n37 |

Julian Day Number = 2138477.5, Delta T = 15m37s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'23, Lahiri = 11°54'23 Julian Calendar 1 Nov. 1142 == Greg. Calendar 8 Nov. 1142


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# ASTRODIENST EPHEMERIS for the year 1142
# geocentric

## DECEMBER 1142 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 3 37 | 15♐28'55 | 25♈29 | 20°R10 | 28♎49 | 20♌37 | 11♑36 | 22♓ 7 | 25♏25 | 11♏16 | 21°R34 | 20°R47 | 21♌42 | 9♒10 | 3°R 3 | T 1 |
| W 2 | 5 7 34 | 16°30'03 | 8♉54 | 18♐51 | 29°53 | 20°48 | 11°50 | 22° 8 | 25°28 | 11°17 | 21♉33 | 20♌39 | 21°39 | 9°17 | 3♈ 3 | W 2 |
| T 3 | 5 11 30 | 17°31'12 | 22°46 | 17°29 | 0♏57 | 20°57 | 12° 3 | 22°10 | 25°32 | 11°19 | 21°32 | 20°29 | 21°36 | 9°24 | 3° 2 | T 3 |
| F 4 | 5 15 27 | 18°32'21 | 7♊ 2 | 16° 6 | 2° 1 | 21° 7 | 12°17 | 22°11 | 25°35 | 11°21 | 21°31 | 20°18 | 21°33 | 9°30 | 3° 2 | F 4 |
| S 5 | 5 19 24 | 19°33'30 | 21°38 | 14°46 | 3° 6 | 21°16 | 12°30 | 22°13 | 25°39 | 11°23 | 21°30 | 20° 8 | 21°30 | 9°37 | 3° 2 | S 5 |
| S 6 | 5 23 20 | 20°34'40 | 6♋24 | 13°31 | 4°11 | 21°24 | 12°44 | 22°15 | 25°42 | 11°25 | 21°29 | 20° 0 | 21°26 | 9°44 | 3° 2 | S 6 |
| M 7 | 5 27 17 | 21°35'50 | 21°14 | 12°23 | 5°16 | 21°31 | 12°57 | 22°17 | 25°46 | 11°27 | 21°28 | 19°54 | 21°23 | 9°50 | 3° 2 | M 7 |
| T 8 | 5 31 13 | 22°37'01 | 6♌ 0 | 11°24 | 6°22 | 21°38 | 13°11 | 22°19 | 25°49 | 11°29 | 21°27 | 19°51 | 21°20 | 9°57 | 3°D 2 | T 8 |
| W 9 | 5 35 10 | 23°38'11 | 20°35 | 10°35 | 7°28 | 21°44 | 13°25 | 22°21 | 25°52 | 11°30 | 21°26 | 19°D51 | 21°17 | 10° 3 | 3° 2 | W 9 |
| T 10 | 5 39 6 | 24°39'23 | 4♍55 | 9°56 | 8°34 | 21°49 | 13°38 | 22°23 | 25°56 | 11°32 | 21°25 | 19°51 | 21°14 | 10°10 | 3° 2 | T 10 |
| F 11 | 5 43 3 | 25°40'34 | 18°59 | 9°28 | 9°41 | 21°54 | 13°52 | 22°26 | 25°59 | 11°34 | 21°24 | 19°52 | 21°11 | 10°17 | 3° 2 | F 11 |
| S 12 | 5 46 59 | 26°41'46 | 2♎45 | 9°10 | 10°47 | 21°58 | 14° 6 | 22°28 | 26° 2 | 11°36 | 21°23 | 19°R52 | 21° 7 | 10°23 | 3° 2 | S 12 |
| S 13 | 5 50 56 | 27°42'59 | 16°16 | 9°D 2 | 11°54 | 22° 1 | 14°20 | 22°31 | 26° 6 | 11°37 | 21°22 | 19°50 | 21° 4 | 10°30 | 3° 2 | S 13 |
| M14 | 5 54 53 | 28°44'12 | 29°31 | 9° 4 | 13° 1 | 22° 4 | 14°33 | 22°33 | 26° 9 | 11°39 | 21°21 | 19°46 | 21° 1 | 10°37 | 3° 3 | M14 |
| T 15 | 5 58 49 | 29°45'25 | 12♏33 | 9°14 | 14° 9 | 22° 6 | 14°47 | 22°36 | 26°12 | 11°41 | 21°20 | 19°40 | 20°58 | 10°43 | 3° 3 | T 15 |
| W16 | 6 2 46 | 0♑46'38 | 25°22 | 9°32 | 15°16 | 22° 7 | 15° 1 | 22°39 | 26°15 | 11°42 | 21°20 | 19°32 | 20°55 | 10°50 | 3° 4 | W16 |
| T 17 | 6 6 42 | 1°47'51 | 7♐59 | 9°57 | 16°24 | 22°R 7 | 15°15 | 22°42 | 26°19 | 11°44 | 21°19 | 19°23 | 20°52 | 10°57 | 3° 4 | T 17 |
| F 18 | 6 10 39 | 2°49'05 | 20°25 | 10°29 | 17°32 | 22° 7 | 15°29 | 22°45 | 26°22 | 11°46 | 21°18 | 19°13 | 20°48 | 11° 3 | 3° 5 | F 18 |
| S 19 | 6 14 35 | 3°50'18 | 2♑40 | 11° 7 | 18°40 | 22° 5 | 15°43 | 22°48 | 26°25 | 11°47 | 21°17 | 19° 5 | 20°45 | 11°10 | 3° 5 | S 19 |
| S 20 | 6 18 32 | 4°51'31 | 14°46 | 11°51 | 19°48 | 22° 3 | 15°57 | 22°52 | 26°28 | 11°49 | 21°16 | 18°58 | 20°42 | 11°17 | 3° 6 | S 20 |
| M21 | 6 22 28 | 5°52'43 | 26°43 | 12°39 | 20°56 | 22° 1 | 16°11 | 22°55 | 26°31 | 11°50 | 21°16 | 18°53 | 20°39 | 11°23 | 3° 7 | M21 |
| T 22 | 6 26 25 | 6°53'56 | 8♒33 | 13°31 | 22° 5 | 21°57 | 16°25 | 22°58 | 26°34 | 11°52 | 21°15 | 18°50 | 20°36 | 11°30 | 3° 7 | T 22 |
| W23 | 6 30 22 | 7°55'08 | 20°20 | 14°27 | 23°14 | 21°53 | 16°39 | 23° 2 | 26°37 | 11°53 | 21°14 | 18°D50 | 20°32 | 11°37 | 3° 8 | W23 |
| T 24 | 6 34 18 | 8°56'19 | 2♓ 6 | 15°26 | 24°23 | 21°47 | 16°53 | 23° 6 | 26°40 | 11°55 | 21°13 | 18°50 | 20°29 | 11°43 | 3° 9 | T 24 |
| F 25 | 6 38 15 | 9°57'29 | 13°55 | 16°29 | 25°32 | 21°41 | 17° 7 | 23° 9 | 26°43 | 11°56 | 21°13 | 18°52 | 20°26 | 11°50 | 3°10 | F 25 |
| S 26 | 6 42 11 | 10°58'39 | 25°53 | 17°34 | 26°41 | 21°34 | 17°21 | 23°13 | 26°46 | 11°57 | 21°12 | 18°54 | 20°23 | 11°56 | 3°11 | S 26 |
| S 27 | 6 46 8 | 11°59'48 | 8♈ 5 | 18°41 | 27°50 | 21°27 | 17°36 | 23°17 | 26°49 | 11°59 | 21°11 | 18°R55 | 20°20 | 12° 3 | 3°12 | S 27 |
| M28 | 6 50 4 | 13° 0'57 | 20°35 | 19°51 | 29° 0 | 21°18 | 17°50 | 23°21 | 26°52 | 12° 0 | 21°11 | 18°55 | 20°17 | 12°10 | 3°13 | M28 |
| T 29 | 6 54 1 | 14° 2'04 | 3♉28 | 21° 3 | 0♐ 9 | 21° 9 | 18° 4 | 23°25 | 26°55 | 12° 1 | 21°10 | 18°53 | 20°13 | 12°16 | 3°14 | T 29 |
| W30 | 6 57 57 | 15° 3'11 | 16°47 | 22°17 | 1°19 | 20°59 | 18°18 | 23°29 | 26°57 | 12° 3 | 21° 9 | 18°50 | 20°10 | 12°23 | 3°16 | W30 |
| T 31 | 7 1 54 | 16♑ 4'17 | 0♊36 | 23♐32 | 2♐29 | 20♌48 | 18♑32 | 23♓34 | 27♏ 0 | 12♏ 4 | 21♉ 9 | 18♌45 | 20♌ 7 | 12♒30 | 3♈17 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s45 | 5n38 | 4s35 | 21s46 | 1n25 | 8s34 | 2n42 | 17n24 | 2n52 | 23s20 | 0s18 | 5s23 | 2s26 | 19s 1 | 0n12 | 13s35 | 1n47 | 5n44 | 12s56 | 14n38 | 14n20 | 16s58 | 3n37 | 2n37 |
| W 2 | 22 52 | 9 50 | 4 58 | 21 21 | 1 44 | 8 55 | 2 44 | 17 22 | 2 54 | 23 19 | 0 18 | 5 22 | 2 26 | 19 2 | 0 12 | 13 35 | 1 47 | 5 44 | 12 56 | 14 40 | 14 21 | 16 57 | 3 37 | 2 37 |
| T 3 | 22 58 | 13 39 | 5 4 | 20 56 | 2 2 | 9 17 | 2 45 | 17 21 | 2 56 | 23 18 | 0 18 | 5 21 | 2 26 | 19 3 | 0 12 | 13 36 | 1 47 | 5 44 | 12 55 | 14 44 | 14 22 | 16 56 | 3 37 | 2 37 |
| F 4 | 23 3 | 16 48 | 4 51 | 20 32 | 2 18 | 9 38 | 2 46 | 17 20 | 2 58 | 23 16 | 0 18 | 5 20 | 2 25 | 19 3 | 0 12 | 13 36 | 1 47 | 5 44 | 12 55 | 14 47 | 14 23 | 16 55 | 3 36 | 2 37 |
| S 5 | 23 8 | 18 58 | 4 20 | 20 9 | 2 32 | 9 59 | 2 47 | 17 19 | 3 0 | 23 15 | 0 18 | 5 19 | 2 25 | 19 4 | 0 12 | 13 37 | 1 47 | 5 44 | 12 55 | 14 50 | 14 24 | 16 54 | 3 36 | 2 36 |
| S 6 | 23 13 | 19 53 | 3 31 | 19 49 | 2 44 | 10 20 | 2 48 | 17 19 | 3 3 | 23 14 | 0 18 | 5 18 | 2 25 | 19 5 | 0 12 | 13 38 | 1 47 | 5 44 | 12 55 | 14 53 | 14 25 | 16 53 | 3 36 | 2 36 |
| M 7 | 23 17 | 19 27 | 2 27 | 19 32 | 2 53 | 10 41 | 2 49 | 17 19 | 3 5 | 23 13 | 0 18 | 5 17 | 2 25 | 19 6 | 0 12 | 13 38 | 1 47 | 5 44 | 12 55 | 14 55 | 14 26 | 16 52 | 3 36 | 2 36 |
| T 8 | 23 20 | 17 40 | 1 14 | 19 17 | 2 59 | 11 2 | 2 50 | 17 19 | 3 7 | 23 12 | 0 18 | 5 16 | 2 24 | 19 7 | 0 12 | 13 39 | 1 47 | 5 43 | 12 55 | 14 56 | 14 27 | 16 51 | 3 35 | 2 36 |
| W 9 | 23 24 | 14 45 | 0n 4 | 19 6 | 3 4 | 11 23 | 2 50 | 17 19 | 3 10 | 23 10 | 0 18 | 5 15 | 2 24 | 19 8 | 0 12 | 13 39 | 1 47 | 5 43 | 12 54 | 14 56 | 14 28 | 16 50 | 3 35 | 2 36 |
| T 10 | 23 26 | 10 59 | 1 20 | 18 58 | 3 6 | 11 44 | 2 51 | 17 19 | 3 12 | 23 9 | 0 18 | 5 14 | 2 24 | 19 8 | 0 12 | 13 40 | 1 47 | 5 43 | 12 54 | 14 56 | 14 29 | 16 49 | 3 35 | 2 35 |
| F 11 | 23 29 | 6 41 | 2 30 | 18 54 | 3 7 | 12 5 | 2 51 | 17 20 | 3 14 | 23 8 | 0 18 | 5 13 | 2 24 | 19 9 | 0 12 | 13 40 | 1 47 | 5 43 | 12 54 | 14 55 | 14 30 | 16 48 | 3 35 | 2 35 |
| S 12 | 23 30 | 2 6 | 3 30 | 18 53 | 3 5 | 12 25 | 2 51 | 17 21 | 3 17 | 23 6 | 0 19 | 5 12 | 2 24 | 19 10 | 0 12 | 13 41 | 1 47 | 5 43 | 12 54 | 14 55 | 14 31 | 16 47 | 3 35 | 2 35 |
| S 13 | 23 32 | 2s29 | 4 16 | 18 54 | 3 2 | 12 46 | 2 51 | 17 22 | 3 19 | 23 5 | 0 19 | 5 11 | 2 23 | 19 11 | 0 12 | 13 41 | 1 47 | 5 43 | 12 54 | 14 56 | 14 32 | 16 46 | 3 35 | 2 35 |
| M14 | 23 33 | 6 51 | 4 48 | 18 58 | 2 58 | 13 6 | 2 51 | 17 23 | 3 21 | 23 4 | 0 19 | 5 9 | 2 23 | 19 12 | 0 12 | 13 42 | 1 48 | 5 43 | 12 53 | 14 57 | 14 33 | 16 46 | 3 35 | 2 35 |
| T 15 | 23 33 | 10 50 | 5 5 | 19 5 | 2 53 | 13 27 | 2 50 | 17 25 | 3 24 | 23 2 | 0 19 | 5 8 | 2 23 | 19 12 | 0 12 | 13 42 | 1 48 | 5 43 | 12 53 | 14 59 | 14 34 | 16 45 | 3 35 | 2 34 |
| W16 | 23 33 | 14 15 | 5 6 | 19 14 | 2 47 | 13 47 | 2 50 | 17 27 | 3 26 | 23 1 | 0 19 | 5 7 | 2 23 | 19 13 | 0 12 | 13 43 | 1 48 | 5 43 | 12 53 | 15 2 | 14 35 | 16 44 | 3 35 | 2 34 |
| T 17 | 23 32 | 16 57 | 4 51 | 19 24 | 2 40 | 14 7 | 2 49 | 17 29 | 3 28 | 22 59 | 0 19 | 5 5 | 2 22 | 19 14 | 0 12 | 13 43 | 1 48 | 5 43 | 12 53 | 15 5 | 14 36 | 16 43 | 3 35 | 2 34 |
| F 18 | 23 31 | 18 49 | 4 23 | 19 36 | 2 33 | 14 26 | 2 49 | 17 31 | 3 31 | 22 58 | 0 19 | 5 4 | 2 22 | 19 15 | 0 11 | 13 43 | 1 48 | 5 43 | 12 53 | 15 8 | 14 37 | 16 42 | 3 35 | 2 34 |
| S 19 | 23 30 | 19 48 | 3 44 | 19 49 | 2 25 | 14 46 | 2 48 | 17 34 | 3 33 | 22 56 | 0 19 | 5 2 | 2 22 | 19 15 | 0 11 | 13 44 | 1 48 | 5 43 | 12 52 | 15 10 | 14 38 | 16 41 | 3 35 | 2 33 |
| S 20 | 23 28 | 19 51 | 2 54 | 20 3 | 2 16 | 15 5 | 2 47 | 17 37 | 3 35 | 22 54 | 0 19 | 5 1 | 2 22 | 19 16 | 0 11 | 13 44 | 1 48 | 5 43 | 12 52 | 15 12 | 14 39 | 16 40 | 3 35 | 2 33 |
| M21 | 23 25 | 18 59 | 1 57 | 20 18 | 2 8 | 15 24 | 2 46 | 17 40 | 3 38 | 22 53 | 0 19 | 4 59 | 2 22 | 19 17 | 0 11 | 13 45 | 1 48 | 5 43 | 12 52 | 15 14 | 14 40 | 16 39 | 3 35 | 2 33 |
| T 22 | 23 22 | 17 19 | 0 56 | 20 33 | 1 59 | 15 43 | 2 45 | 17 43 | 3 40 | 22 51 | 0 19 | 4 58 | 2 21 | 19 17 | 0 11 | 13 45 | 1 48 | 5 43 | 12 52 | 15 15 | 14 42 | 16 38 | 3 35 | 2 33 |
| W23 | 23 19 | 14 54 | 0s 8 | 20 49 | 1 50 | 16 2 | 2 43 | 17 47 | 3 42 | 22 50 | 0 19 | 4 56 | 2 21 | 19 18 | 0 11 | 13 46 | 1 48 | 5 43 | 12 51 | 15 15 | 14 43 | 16 37 | 3 35 | 2 33 |
| T 24 | 23 15 | 11 54 | 1 12 | 21 4 | 1 41 | 16 20 | 2 42 | 17 51 | 3 45 | 22 48 | 0 20 | 4 55 | 2 21 | 19 19 | 0 11 | 13 46 | 1 48 | 5 43 | 12 51 | 15 15 | 14 44 | 16 36 | 3 35 | 2 32 |
| F 25 | 23 10 | 8 23 | 2 13 | 21 20 | 1 32 | 16 38 | 2 41 | 17 55 | 3 47 | 22 46 | 0 20 | 4 53 | 2 21 | 19 20 | 0 11 | 13 46 | 1 48 | 5 43 | 12 51 | 15 14 | 14 45 | 16 35 | 3 35 | 2 32 |
| S 26 | 23 6 | 4 31 | 3 9 | 21 35 | 1 23 | 16 55 | 2 39 | 18 0 | 3 49 | 22 45 | 0 20 | 4 51 | 2 20 | 19 20 | 0 11 | 13 47 | 1 48 | 5 44 | 12 51 | 15 14 | 14 46 | 16 34 | 3 36 | 2 32 |
| S 27 | 23 0 | 0 25 | 3 57 | 21 50 | 1 14 | 17 13 | 2 37 | 18 4 | 3 52 | 22 43 | 0 20 | 4 49 | 2 20 | 19 21 | 0 11 | 13 47 | 1 48 | 5 44 | 12 50 | 15 13 | 14 47 | 16 33 | 3 36 | 2 32 |
| M28 | 22 55 | 3n49 | 4 36 | 22 5 | 1 5 | 17 30 | 2 36 | 18 9 | 3 54 | 22 41 | 0 20 | 4 48 | 2 20 | 19 22 | 0 11 | 13 47 | 1 48 | 5 44 | 12 50 | 15 13 | 14 48 | 16 32 | 3 36 | 2 32 |
| T 29 | 22 48 | 8 0 | 5 2 | 22 19 | 0 56 | 17 46 | 2 34 | 18 14 | 3 56 | 22 39 | 0 20 | 4 46 | 2 20 | 19 22 | 0 11 | 13 48 | 1 48 | 5 44 | 12 50 | 15 14 | 14 49 | 16 31 | 3 36 | 2 31 |
| W30 | 22 42 | 11 56 | 5 13 | 22 32 | 0 47 | 18 2 | 2 32 | 18 20 | 3 58 | 22 37 | 0 20 | 4 44 | 2 20 | 19 23 | 0 11 | 13 48 | 1 48 | 5 44 | 12 50 | 15 15 | 14 50 | 16 30 | 3 37 | 2 31 |
| T 31 | 22s35 | 15n23 | 5s 6 | 22s45 | 0n38 | 18s18 | 2n30 | 18n25 | 4n 1 | 22s36 | 0s20 | 4s42 | 2s19 | 19s23 | 0n11 | 13s48 | 1n48 | 5n44 | 12s49 | 15n16 | 14n51 | 16s29 | 3n37 | 2n31 |

Julian Day Number = 2138507.5, Delta T = 15m37s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'27, Lahiri = 11°54'27 Julian Calendar 1 Dec. 1142 == Greg. Calendar 8 Dec. 1142


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## JANUARY 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 5 51 | 17♑ 5'22 | 14♊52 | 24♐49 | 3♐39 | 20°R37 | 18♑46 | 23♓38 | 27♏ 3 | 12♏ 5 | 21°R 8 | 18°R40 | 20♌ 4 | 12♒36 | 3♈18 | F 1 |
| S 2 | 7 9 47 | 18° 6'26 | 29°33 | 26° 7 | 4°49 | 20♌24 | 19° 0 | 23°43 | 27° 6 | 12° 6 | 21♉ 8 | 18♌35 | 20° 1 | 12°43 | 3°19 | S 2 |
| S 3 | 7 13 44 | 19° 7'29 | 14♋32 | 27°26 | 5°59 | 20°11 | 19°15 | 23°47 | 27° 8 | 12° 7 | 21° 7 | 18°31 | 19°58 | 12°50 | 3°21 | S 3 |
| M 4 | 7 17 40 | 20° 8'32 | 29°41 | 28°47 | 7° 9 | 19°57 | 19°29 | 23°52 | 27°11 | 12° 9 | 21° 6 | 18°29 | 19°54 | 12°56 | 3°22 | M 4 |
| T 5 | 7 21 37 | 21° 9'33 | 14♌49 | 0♑ 9 | 8°20 | 19°43 | 19°43 | 23°56 | 27°13 | 12°10 | 21° 6 | 18°D28 | 19°51 | 13° 3 | 3°24 | T 5 |
| W 6 | 7 25 33 | 22°10'34 | 29°47 | 1°32 | 9°30 | 19°27 | 19°57 | 24° 1 | 27°16 | 12°11 | 21° 6 | 18°28 | 19°48 | 13°10 | 3°25 | W 6 |
| T 7 | 7 29 30 | 23°11'34 | 14♍30 | 2°56 | 10°41 | 19°11 | 20°11 | 24° 6 | 27°18 | 12°12 | 21° 5 | 18°29 | 19°45 | 13°16 | 3°27 | T 7 |
| F 8 | 7 33 27 | 24°12'34 | 28°50 | 4°20 | 11°52 | 18°54 | 20°25 | 24°11 | 27°21 | 12°13 | 21° 5 | 18°31 | 19°42 | 13°23 | 3°29 | F 8 |
| S 9 | 7 37 23 | 25°13'33 | 12♎48 | 5°46 | 13° 2 | 18°37 | 20°40 | 24°16 | 27°23 | 12°14 | 21° 4 | 18°32 | 19°38 | 13°30 | 3°30 | S 9 |
| S 10 | 7 41 20 | 26°14'31 | 26°22 | 7°13 | 14°13 | 18°19 | 20°54 | 24°21 | 27°25 | 12°15 | 21° 4 | 18°R33 | 19°35 | 13°36 | 3°32 | S 10 |
| M11 | 7 45 16 | 27°15'28 | 9♏34 | 8°40 | 15°24 | 18° 0 | 21° 8 | 24°26 | 27°28 | 12°16 | 21° 3 | 18°32 | 19°32 | 13°43 | 3°34 | M11 |
| T 12 | 7 49 13 | 28°16'25 | 22°26 | 10° 8 | 16°35 | 17°40 | 21°22 | 24°32 | 27°30 | 12°16 | 21° 3 | 18°30 | 19°29 | 13°49 | 3°36 | T 12 |
| W13 | 7 53 9 | 29°17'21 | 5♐ 2 | 11°37 | 17°46 | 17°20 | 21°36 | 24°37 | 27°32 | 12°17 | 21° 3 | 18°28 | 19°26 | 13°56 | 3°38 | W13 |
| T 14 | 7 57 6 | 0♒18'16 | 17°24 | 13° 7 | 18°58 | 17° 0 | 21°50 | 24°42 | 27°34 | 12°18 | 21° 2 | 18°25 | 19°23 | 14° 3 | 3°40 | T 14 |
| F 15 | 8 1 2 | 1°19'10 | 29°35 | 14°38 | 20° 9 | 16°39 | 22° 4 | 24°48 | 27°37 | 12°19 | 21° 2 | 18°22 | 19°19 | 14° 9 | 3°42 | F 15 |
| S 16 | 8 4 59 | 2°20'03 | 11♑37 | 16° 9 | 21°20 | 16°17 | 22°18 | 24°53 | 27°39 | 12°20 | 21° 2 | 18°20 | 19°16 | 14°16 | 3°44 | S 16 |
| S 17 | 8 8 56 | 3°20'55 | 23°32 | 17°41 | 22°32 | 15°55 | 22°32 | 24°59 | 27°41 | 12°20 | 21° 1 | 18°18 | 19°13 | 14°23 | 3°46 | S 17 |
| M18 | 8 12 52 | 4°21'45 | 5♒23 | 19°14 | 23°43 | 15°33 | 22°46 | 25° 5 | 27°43 | 12°21 | 21° 1 | 18°16 | 19°10 | 14°29 | 3°48 | M18 |
| T 19 | 8 16 49 | 5°22'35 | 17°10 | 20°48 | 24°55 | 15°10 | 23° 0 | 25°10 | 27°45 | 12°22 | 21° 1 | 18°D16 | 19° 7 | 14°36 | 3°50 | T 19 |
| W20 | 8 20 45 | 6°23'22 | 28°57 | 22°23 | 26° 7 | 14°47 | 23°14 | 25°16 | 27°47 | 12°22 | 21° 1 | 18°16 | 19° 4 | 14°43 | 3°53 | W20 |
| T 21 | 8 24 42 | 7°24'09 | 10♓46 | 23°58 | 27°18 | 14°24 | 23°28 | 25°22 | 27°48 | 12°23 | 21° 1 | 18°17 | 19° 0 | 14°49 | 3°55 | T 21 |
| F 22 | 8 28 38 | 8°24'54 | 22°39 | 25°34 | 28°30 | 14° 1 | 23°42 | 25°28 | 27°50 | 12°23 | 21° 1 | 18°18 | 18°57 | 14°56 | 3°57 | F 22 |
| S 23 | 8 32 35 | 9°25'37 | 4♈40 | 27°11 | 29°42 | 13°37 | 23°56 | 25°34 | 27°52 | 12°24 | 21° 0 | 18°19 | 18°54 | 15° 3 | 4° 0 | S 23 |
| S 24 | 8 36 31 | 10°26'19 | 16°53 | 28°49 | 0♑54 | 13°13 | 24°10 | 25°40 | 27°54 | 12°24 | 21° 0 | 18°20 | 18°51 | 15° 9 | 4° 2 | S 24 |
| M25 | 8 40 28 | 11°26'59 | 29°22 | 0♒27 | 2° 6 | 12°49 | 24°24 | 25°46 | 27°55 | 12°25 | 21° 0 | 18°20 | 18°48 | 15°16 | 4° 4 | M25 |
| T 26 | 8 44 24 | 12°27'37 | 12♉10 | 2° 7 | 3°18 | 12°25 | 24°38 | 25°52 | 27°57 | 12°25 | 21° 0 | 18°R21 | 18°44 | 15°22 | 4° 7 | T 26 |
| W27 | 8 48 21 | 13°28'13 | 25°21 | 3°47 | 4°29 | 12° 1 | 24°52 | 25°59 | 27°58 | 12°25 | 21° 0 | 18°20 | 18°41 | 15°29 | 4° 9 | W27 |
| T 28 | 8 52 18 | 14°28'48 | 8♊59 | 5°28 | 5°42 | 11°37 | 25° 6 | 26° 5 | 28° 0 | 12°26 | 21°D 0 | 18°20 | 18°38 | 15°36 | 4°12 | T 28 |
| F 29 | 8 56 14 | 15°29'21 | 23° 3 | 7°10 | 6°54 | 11°13 | 25°19 | 26°11 | 28° 1 | 12°26 | 21° 0 | 18°20 | 18°35 | 15°42 | 4°15 | F 29 |
| S 30 | 9 0 11 | 16°29'52 | 7♋33 | 8°53 | 8° 6 | 10°50 | 25°33 | 26°18 | 28° 3 | 12°26 | 21° 0 | 18°20 | 18°32 | 15°49 | 4°17 | S 30 |
| S 31 | 9 4 7 | 17♒30'21 | 22♋26 | 10♒37 | 9♑18 | 10♌26 | 25♑47 | 26♓24 | 28♏ 4 | 12♏27 | 21♉ 0 | 18♌19 | 18♌29 | 15♒56 | 4♈20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s27 | 18n 2 | 4s41 | 22s57 | 0n30 | 18s34 | 2n28 | 18n31 | 4n 3 | 22s34 | 0s20 | 4s40 | 2s19 | 19s24 | 0n11 | 13s49 | 1n48 | 5n44 | 12s49 | 15n18 | 14n52 | 16s28 | 3n37 | 2n31 |
| S 2 | 22 19 | 19 36 | 3 57 | 23 8 | 0 21 | 18 49 | 2 26 | 18 37 | 4 5 | 22 32 | 0 20 | 4 38 | 2 19 | 19 25 | 0 11 | 13 49 | 1 48 | 5 44 | 12 49 | 15 19 | 14 53 | 16 26 | 3 38 | 2 31 |
| S 3 | 22 11 | 19 50 | 2 56 | 23 19 | 0 13 | 19 3 | 2 23 | 18 43 | 4 7 | 22 30 | 0 21 | 4 36 | 2 19 | 19 25 | 0 11 | 13 49 | 1 48 | 5 44 | 12 49 | 15 21 | 14 54 | 16 25 | 3 38 | 2 30 |
| M 4 | 22 2 | 18 39 | 1 41 | 23 28 | 0 5 | 19 17 | 2 21 | 18 50 | 4 9 | 22 28 | 0 21 | 4 34 | 2 19 | 19 26 | 0 11 | 13 50 | 1 49 | 5 44 | 12 48 | 15 21 | 14 55 | 16 24 | 3 39 | 2 30 |
| T 5 | 21 53 | 16 9 | 0 20 | 23 36 | 0s 3 | 19 31 | 2 18 | 18 56 | 4 11 | 22 26 | 0 21 | 4 32 | 2 18 | 19 27 | 0 11 | 13 50 | 1 49 | 5 45 | 12 48 | 15 22 | 14 56 | 16 23 | 3 39 | 2 30 |
| W 6 | 21 43 | 12 34 | 1n 2 | 23 44 | 0 11 | 19 44 | 2 16 | 19 3 | 4 13 | 22 24 | 0 21 | 4 30 | 2 18 | 19 27 | 0 11 | 13 50 | 1 49 | 5 45 | 12 48 | 15 22 | 14 57 | 16 22 | 3 39 | 2 30 |
| T 7 | 21 33 | 8 16 | 2 19 | 23 50 | 0 19 | 19 57 | 2 13 | 19 10 | 4 15 | 22 22 | 0 21 | 4 28 | 2 18 | 19 28 | 0 11 | 13 50 | 1 49 | 5 45 | 12 48 | 15 21 | 14 58 | 16 21 | 3 40 | 2 30 |
| F 8 | 21 22 | 3 35 | 3 25 | 23 55 | 0 26 | 20 9 | 2 11 | 19 17 | 4 16 | 22 20 | 0 21 | 4 26 | 2 18 | 19 28 | 0 11 | 13 51 | 1 49 | 5 45 | 12 47 | 15 21 | 14 59 | 16 20 | 3 40 | 2 29 |
| S 9 | 21 11 | 1s 8 | 4 16 | 23 59 | 0 34 | 20 21 | 2 8 | 19 24 | 4 18 | 22 18 | 0 21 | 4 24 | 2 18 | 19 29 | 0 11 | 13 51 | 1 49 | 5 45 | 12 47 | 15 20 | 15 0 | 16 19 | 3 41 | 2 29 |
| S 10 | 21 0 | 5 40 | 4 52 | 24 2 | 0 41 | 20 32 | 2 5 | 19 31 | 4 20 | 22 16 | 0 21 | 4 21 | 2 18 | 19 29 | 0 11 | 13 51 | 1 49 | 5 45 | 12 47 | 15 20 | 15 1 | 16 18 | 3 41 | 2 29 |
| M11 | 20 48 | 9 49 | 5 12 | 24 3 | 0 48 | 20 43 | 2 2 | 19 39 | 4 21 | 22 14 | 0 21 | 4 19 | 2 17 | 19 30 | 0 11 | 13 51 | 1 49 | 5 46 | 12 46 | 15 20 | 15 2 | 16 17 | 3 42 | 2 29 |
| T 12 | 20 36 | 13 23 | 5 15 | 24 4 | 0 54 | 20 53 | 2 0 | 19 46 | 4 23 | 22 12 | 0 21 | 4 17 | 2 17 | 19 30 | 0 11 | 13 52 | 1 49 | 5 46 | 12 46 | 15 21 | 15 3 | 16 16 | 3 43 | 2 29 |
| W13 | 20 24 | 16 16 | 5 3 | 24 2 | 1 0 | 21 3 | 1 57 | 19 54 | 4 24 | 22 10 | 0 21 | 4 15 | 2 17 | 19 31 | 0 11 | 13 52 | 1 49 | 5 46 | 12 46 | 15 22 | 15 4 | 16 15 | 3 43 | 2 29 |
| T 14 | 20 11 | 18 22 | 4 36 | 24 0 | 1 7 | 21 12 | 1 54 | 20 1 | 4 26 | 22 7 | 0 22 | 4 12 | 2 17 | 19 31 | 0 11 | 13 52 | 1 49 | 5 46 | 12 46 | 15 23 | 15 5 | 16 14 | 3 44 | 2 28 |
| F 15 | 19 57 | 19 35 | 3 58 | 23 56 | 1 12 | 21 20 | 1 51 | 20 9 | 4 27 | 22 5 | 0 22 | 4 10 | 2 17 | 19 32 | 0 11 | 13 52 | 1 49 | 5 46 | 12 45 | 15 23 | 15 6 | 16 13 | 3 44 | 2 28 |
| S 16 | 19 44 | 19 54 | 3 9 | 23 51 | 1 18 | 21 28 | 1 48 | 20 17 | 4 28 | 22 3 | 0 22 | 4 8 | 2 17 | 19 32 | 0 11 | 13 52 | 1 49 | 5 47 | 12 45 | 15 24 | 15 7 | 16 12 | 3 45 | 2 28 |
| S 17 | 19 30 | 19 18 | 2 13 | 23 45 | 1 23 | 21 36 | 1 45 | 20 25 | 4 29 | 22 1 | 0 22 | 4 5 | 2 16 | 19 33 | 0 11 | 13 52 | 1 49 | 5 47 | 12 45 | 15 25 | 15 8 | 16 11 | 3 46 | 2 28 |
| M18 | 19 15 | 17 52 | 1 11 | 23 37 | 1 28 | 21 43 | 1 41 | 20 32 | 4 30 | 21 59 | 0 22 | 4 3 | 2 16 | 19 33 | 0 11 | 13 53 | 1 49 | 5 47 | 12 44 | 15 25 | 15 9 | 16 9 | 3 46 | 2 28 |
| T 19 | 19 1 | 15 40 | 0 6 | 23 28 | 1 33 | 21 49 | 1 38 | 20 40 | 4 31 | 21 56 | 0 22 | 4 0 | 2 16 | 19 34 | 0 11 | 13 53 | 1 49 | 5 47 | 12 44 | 15 25 | 15 10 | 16 8 | 3 47 | 2 27 |
| W20 | 18 46 | 12 49 | 0s59 | 23 17 | 1 38 | 21 55 | 1 35 | 20 48 | 4 32 | 21 54 | 0 22 | 3 58 | 2 16 | 19 34 | 0 11 | 13 53 | 1 49 | 5 47 | 12 44 | 15 25 | 15 11 | 16 7 | 3 48 | 2 27 |
| T 21 | 18 30 | 9 26 | 2 2 | 23 5 | 1 42 | 22 0 | 1 32 | 20 55 | 4 32 | 21 52 | 0 22 | 3 55 | 2 16 | 19 34 | 0 11 | 13 53 | 1 50 | 5 48 | 12 44 | 15 25 | 15 12 | 16 6 | 3 49 | 2 27 |
| F 22 | 18 15 | 5 41 | 3 0 | 22 51 | 1 46 | 22 4 | 1 28 | 21 3 | 4 33 | 21 50 | 0 22 | 3 53 | 2 16 | 19 35 | 0 11 | 13 53 | 1 50 | 5 48 | 12 43 | 15 25 | 15 13 | 16 5 | 3 49 | 2 27 |
| S 23 | 17 59 | 1 39 | 3 50 | 22 36 | 1 49 | 22 8 | 1 25 | 21 10 | 4 33 | 21 47 | 0 23 | 3 50 | 2 16 | 19 35 | 0 11 | 13 53 | 1 50 | 5 48 | 12 43 | 15 24 | 15 14 | 16 4 | 3 50 | 2 27 |
| S 24 | 17 42 | 2n29 | 4 32 | 22 20 | 1 52 | 22 11 | 1 22 | 21 17 | 4 34 | 21 45 | 0 23 | 3 48 | 2 15 | 19 36 | 0 11 | 13 53 | 1 50 | 5 48 | 12 43 | 15 24 | 15 15 | 16 3 | 3 51 | 2 27 |
| M25 | 17 26 | 6 36 | 5 1 | 22 1 | 1 55 | 22 13 | 1 18 | 21 25 | 4 34 | 21 43 | 0 23 | 3 45 | 2 15 | 19 36 | 0 11 | 13 53 | 1 50 | 5 49 | 12 42 | 15 24 | 15 16 | 16 2 | 3 52 | 2 26 |
| T 26 | 17 9 | 10 32 | 5 16 | 21 42 | 1 58 | 22 15 | 1 15 | 21 32 | 4 34 | 21 40 | 0 23 | 3 43 | 2 15 | 19 36 | 0 11 | 13 53 | 1 50 | 5 49 | 12 42 | 15 24 | 15 17 | 16 1 | 3 53 | 2 26 |
| W27 | 16 51 | 14 5 | 5 16 | 21 20 | 2 0 | 22 17 | 1 12 | 21 39 | 4 34 | 21 38 | 0 23 | 3 40 | 2 15 | 19 37 | 0 11 | 13 53 | 1 50 | 5 49 | 12 42 | 15 24 | 15 18 | 15 59 | 3 54 | 2 26 |
| T 28 | 16 34 | 16 59 | 4 58 | 20 57 | 2 2 | 22 17 | 1 8 | 21 45 | 4 34 | 21 35 | 0 23 | 3 38 | 2 15 | 19 37 | 0 11 | 13 54 | 1 50 | 5 50 | 12 41 | 15 24 | 15 19 | 15 58 | 3 54 | 2 26 |
| F 29 | 16 16 | 19 0 | 4 22 | 20 33 | 2 3 | 22 17 | 1 5 | 21 52 | 4 33 | 21 33 | 0 23 | 3 35 | 2 15 | 19 37 | 0 11 | 13 54 | 1 50 | 5 50 | 12 41 | 15 24 | 15 20 | 15 57 | 3 55 | 2 26 |
| S 30 | 15 58 | 19 52 | 3 28 | 20 7 | 2 4 | 22 17 | 1 1 | 21 58 | 4 33 | 21 31 | 0 23 | 3 32 | 2 15 | 19 38 | 0 11 | 13 54 | 1 50 | 5 50 | 12 41 | 15 24 | 15 21 | 15 56 | 3 56 | 2 26 |
| S 31 | 15s39 | 19n23 | 2s19 | 19s39 | 2s 5 | 22s15 | 0n58 | 22n 4 | 4n33 | 21s28 | 0s23 | 3s30 | 2s14 | 19s38 | 0n11 | 13s54 | 1n50 | 5n50 | 12s41 | 15n24 | 15n22 | 15s55 | 3n57 | 2n25 |

Julian Day Number = 2138538.5, Delta T = 15m36s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'31, Lahiri = 11°54'32 Julian Calendar 1 Jan. 1143 == Greg. Calendar 8 Jan. 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## FEBRUARY 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 8 4 | 18♒30'49 | 7♌33 | 12♒21 | 10♉30 | 10°R 3 | 26♉ 0 | 26♓31 | 28♏ 6 | 12♏27 | 21♉ 0 | 18°D19 | 18♌25 | 16♒ 2 | 4♈23 | M 1 |
| T 2 | 9 12 0 | 19°31'14 | 22°48 | 14° 7 | 11°42 | 9♌40 | 26°14 | 26°37 | 28° 7 | 12°27 | 21° 0 | 18°R19 | 18°22 | 16° 9 | 4°25 | T 2 |
| W 3 | 9 15 57 | 20°31'38 | 7♍59 | 15°54 | 12°55 | 9°18 | 26°28 | 26°44 | 28° 8 | 12°27 | 21° 0 | 18♌19 | 18°19 | 16°16 | 4°28 | W 3 |
| T 4 | 9 19 54 | 21°32'00 | 22°58 | 17°41 | 14° 7 | 8°55 | 26°41 | 26°50 | 28° 9 | 12°27 | 21° 1 | 18°19 | 18°16 | 16°22 | 4°31 | T 4 |
| F 5 | 9 23 50 | 22°32'21 | 7♎36 | 19°30 | 15°19 | 8°33 | 26°55 | 26°57 | 28°10 | 12°27 | 21° 1 | 18°19 | 18°13 | 16°29 | 4°34 | F 5 |
| S 6 | 9 27 47 | 23°32'40 | 21°50 | 21°19 | 16°32 | 8°12 | 27° 8 | 27° 4 | 28°11 | 12°R27 | 21° 1 | 18°18 | 18°10 | 16°36 | 4°37 | S 6 |
| S 7 | 9 31 43 | 24°32'58 | 5♏36 | 23°10 | 17°44 | 7°51 | 27°21 | 27°10 | 28°12 | 12°27 | 21° 1 | 18°18 | 18° 6 | 16°42 | 4°40 | S 7 |
| M 8 | 9 35 40 | 25°33'14 | 18°55 | 25° 1 | 18°57 | 7°30 | 27°35 | 27°17 | 28°13 | 12°27 | 21° 1 | 18°17 | 18° 3 | 16°49 | 4°43 | M 8 |
| T 9 | 9 39 36 | 26°33'29 | 1♐49 | 26°53 | 20° 9 | 7°10 | 27°48 | 27°24 | 28°14 | 12°27 | 21° 2 | 18°D17 | 18° 0 | 16°56 | 4°46 | T 9 |
| W10 | 9 43 33 | 27°33'42 | 14°22 | 28°46 | 21°22 | 6°51 | 28° 1 | 27°31 | 28°15 | 12°27 | 21° 2 | 18°18 | 17°57 | 17° 2 | 4°49 | W10 |
| T 11 | 9 47 29 | 28°33'54 | 26°37 | 0♓40 | 22°34 | 6°32 | 28°15 | 27°38 | 28°16 | 12°27 | 21° 2 | 18°18 | 17°54 | 17° 9 | 4°52 | T 11 |
| F 12 | 9 51 26 | 29°34'04 | 8♑40 | 2°35 | 23°47 | 6°14 | 28°28 | 27°45 | 28°16 | 12°27 | 21° 2 | 18°20 | 17°50 | 17°15 | 4°55 | F 12 |
| S 13 | 9 55 22 | 0♓34'12 | 20°34 | 4°30 | 25° 0 | 5°56 | 28°41 | 27°52 | 28°17 | 12°26 | 21° 3 | 18°21 | 17°47 | 17°22 | 4°58 | S 13 |
| S 14 | 9 59 19 | 1°34'19 | 2♒23 | 6°26 | 26°12 | 5°39 | 28°54 | 27°59 | 28°18 | 12°26 | 21° 3 | 18°22 | 17°44 | 17°29 | 5° 1 | S 14 |
| M15 | 10 3 16 | 2°34'24 | 14° 9 | 8°23 | 27°25 | 5°23 | 29° 7 | 28° 6 | 28°18 | 12°26 | 21° 3 | 18°R22 | 17°41 | 17°35 | 5° 4 | M15 |
| T 16 | 10 7 12 | 3°34'27 | 25°57 | 10°19 | 28°38 | 5° 7 | 29°20 | 28°13 | 28°19 | 12°26 | 21° 4 | 18°22 | 17°38 | 17°42 | 5° 7 | T 16 |
| W17 | 10 11 9 | 4°34'28 | 7♓47 | 12°16 | 29°51 | 4°52 | 29°33 | 28°20 | 28°19 | 12°25 | 21° 4 | 18°21 | 17°35 | 17°49 | 5°11 | W17 |
| T 18 | 10 15 5 | 5°34'27 | 19°42 | 14°12 | 1♒ 3 | 4°38 | 29°46 | 28°28 | 28°20 | 12°25 | 21° 5 | 18°19 | 17°31 | 17°55 | 5°14 | T 18 |
| F 19 | 10 19 2 | 6°34'24 | 1♈44 | 16° 9 | 2°16 | 4°25 | 29°58 | 28°35 | 28°20 | 12°25 | 21° 5 | 18°17 | 17°28 | 18° 2 | 5°17 | F 19 |
| S 20 | 10 22 58 | 7°34'19 | 13°55 | 18° 4 | 3°29 | 4°12 | 0♒11 | 28°42 | 28°20 | 12°24 | 21° 6 | 18°14 | 17°25 | 18° 9 | 5°20 | S 20 |
| S 21 | 10 26 55 | 8°34'11 | 26°17 | 19°59 | 4°42 | 4° 0 | 0°24 | 28°49 | 28°21 | 12°24 | 21° 6 | 18°11 | 17°22 | 18°15 | 5°24 | S 21 |
| M22 | 10 30 51 | 9°34'02 | 8♉52 | 21°52 | 5°55 | 3°49 | 0°36 | 28°57 | 28°21 | 12°23 | 21° 7 | 18° 8 | 17°19 | 18°22 | 5°27 | M22 |
| T 23 | 10 34 48 | 10°33'50 | 21°43 | 23°43 | 7° 8 | 3°39 | 0°49 | 29° 4 | 28°21 | 12°23 | 21° 7 | 18° 5 | 17°15 | 18°29 | 5°30 | T 23 |
| W24 | 10 38 45 | 11°33'36 | 4♊52 | 25°32 | 8°20 | 3°30 | 1° 1 | 29°11 | 28°21 | 12°22 | 21° 8 | 18° 4 | 17°12 | 18°35 | 5°34 | W24 |
| T 25 | 10 42 41 | 12°33'20 | 18°21 | 27°19 | 9°33 | 3°21 | 1°14 | 29°19 | 28°R21 | 12°21 | 21° 8 | 18°D 4 | 17° 9 | 18°42 | 5°37 | T 25 |
| F 26 | 10 46 38 | 13°33'02 | 2♋12 | 29° 3 | 10°46 | 3°13 | 1°26 | 29°26 | 28°21 | 12°21 | 21° 9 | 18° 5 | 17° 6 | 18°48 | 5°40 | F 26 |
| S 27 | 10 50 34 | 14°32'41 | 16°25 | 0♈42 | 11°59 | 3° 6 | 1°38 | 29°34 | 28°21 | 12°20 | 21° 9 | 18° 7 | 17° 3 | 18°55 | 5°44 | S 27 |
| S 28 | 10 54 31 | 15♓32'18 | 0♌59 | 2♈18 | 13♒12 | 3♌ 0 | 1♒50 | 29♓41 | 28♏21 | 12♏19 | 21♉10 | 18♌ 8 | 17♌ 0 | 19♒ 2 | 5♈47 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15s21 | 17n30 | 1s 0 | 19s10 | 2s 5 | 22s13 | 0n55 | 22n10 | 4n32 | 21s26 | 0s24 | 3s27 | 2s14 | 19s38 | 0n11 | 13s54 | 1n50 | 5n51 | 12s40 | 15n24 | 15n22 | 15s54 | 3n58 | 2n25 |
| T 2 | 15 2 | 14 22 | 0n25 | 18 39 | 2 5 | 22 11 | 0 51 | 22 16 | 4 32 | 21 23 | 0 24 | 3 24 | 2 14 | 19 39 | 0 11 | 13 54 | 1 50 | 5 51 | 12 40 | 15 24 | 15 23 | 15 53 | 3 59 | 2 25 |
| W 3 | 14 43 | 10 16 | 1 47 | 18 7 | 2 4 | 22 8 | 0 48 | 22 21 | 4 31 | 21 21 | 0 24 | 3 21 | 2 14 | 19 39 | 0 11 | 13 54 | 1 50 | 5 51 | 12 40 | 15 24 | 15 24 | 15 51 | 4 0 | 2 25 |
| T 4 | 14 23 | 5 35 | 3 1 | 17 33 | 2 3 | 22 4 | 0 44 | 22 27 | 4 30 | 21 18 | 0 24 | 3 19 | 2 14 | 19 39 | 0 11 | 13 54 | 1 50 | 5 52 | 12 39 | 15 24 | 15 25 | 15 50 | 4 1 | 2 25 |
| F 5 | 14 4 | 0 40 | 4 1 | 16 57 | 2 1 | 21 59 | 0 41 | 22 32 | 4 29 | 21 16 | 0 24 | 3 16 | 2 14 | 19 39 | 0 11 | 13 54 | 1 50 | 5 52 | 12 39 | 15 25 | 15 26 | 15 49 | 4 2 | 2 25 |
| S 6 | 13 44 | 4s 8 | 4 45 | 16 20 | 1 59 | 21 54 | 0 37 | 22 36 | 4 28 | 21 13 | 0 24 | 3 13 | 2 14 | 19 40 | 0 11 | 13 53 | 1 51 | 5 52 | 12 39 | 15 25 | 15 27 | 15 48 | 4 3 | 2 25 |
| S 7 | 13 24 | 8 34 | 5 10 | 15 41 | 1 56 | 21 48 | 0 34 | 22 41 | 4 27 | 21 11 | 0 24 | 3 10 | 2 14 | 19 40 | 0 11 | 13 53 | 1 51 | 5 53 | 12 38 | 15 25 | 15 28 | 15 47 | 4 4 | 2 24 |
| M 8 | 13 4 | 12 25 | 5 18 | 15 1 | 1 53 | 21 42 | 0 30 | 22 45 | 4 26 | 21 8 | 0 24 | 3 7 | 2 14 | 19 40 | 0 11 | 13 53 | 1 51 | 5 53 | 12 38 | 15 25 | 15 29 | 15 46 | 4 5 | 2 24 |
| T 9 | 12 43 | 15 34 | 5 9 | 14 19 | 1 49 | 21 35 | 0 27 | 22 49 | 4 24 | 21 6 | 0 25 | 3 5 | 2 13 | 19 40 | 0 11 | 13 53 | 1 51 | 5 53 | 12 38 | 15 25 | 15 30 | 15 45 | 4 6 | 2 24 |
| W10 | 12 22 | 17 54 | 4 46 | 13 36 | 1 45 | 21 27 | 0 24 | 22 53 | 4 23 | 21 3 | 0 25 | 3 2 | 2 13 | 19 40 | 0 11 | 13 53 | 1 51 | 5 54 | 12 38 | 15 25 | 15 31 | 15 43 | 4 7 | 2 24 |
| T 11 | 12 2 | 19 21 | 4 10 | 12 51 | 1 40 | 21 19 | 0 20 | 22 56 | 4 21 | 21 1 | 0 25 | 2 59 | 2 13 | 19 41 | 0 11 | 13 53 | 1 51 | 5 54 | 12 37 | 15 25 | 15 32 | 15 42 | 4 8 | 2 24 |
| F 12 | 11 41 | 19 53 | 3 23 | 12 4 | 1 35 | 21 10 | 0 17 | 23 0 | 4 20 | 20 58 | 0 25 | 2 56 | 2 13 | 19 41 | 0 11 | 13 53 | 1 51 | 5 54 | 12 37 | 15 24 | 15 33 | 15 41 | 4 9 | 2 24 |
| S 13 | 11 19 | 19 31 | 2 28 | 11 17 | 1 29 | 21 0 | 0 14 | 23 3 | 4 18 | 20 56 | 0 25 | 2 53 | 2 13 | 19 41 | 0 11 | 13 53 | 1 51 | 5 55 | 12 37 | 15 24 | 15 34 | 15 40 | 4 11 | 2 24 |
| S 14 | 10 58 | 18 18 | 1 28 | 10 28 | 1 22 | 20 50 | 0 10 | 23 5 | 4 17 | 20 53 | 0 25 | 2 50 | 2 13 | 19 41 | 0 11 | 13 53 | 1 51 | 5 55 | 12 36 | 15 24 | 15 35 | 15 39 | 4 12 | 2 23 |
| M15 | 10 36 | 16 17 | 0 23 | 9 37 | 1 15 | 20 39 | 0 7 | 23 8 | 4 15 | 20 51 | 0 25 | 2 47 | 2 13 | 19 41 | 0 11 | 13 53 | 1 51 | 5 56 | 12 36 | 15 23 | 15 36 | 15 37 | 4 13 | 2 23 |
| T 16 | 10 15 | 13 35 | 0s42 | 8 46 | 1 7 | 20 28 | 0 4 | 23 10 | 4 13 | 20 48 | 0 26 | 2 44 | 2 13 | 19 41 | 0 11 | 13 52 | 1 51 | 5 56 | 12 36 | 15 23 | 15 37 | 15 36 | 4 14 | 2 23 |
| W17 | 9 53 | 10 19 | 1 46 | 7 54 | 0 59 | 20 16 | 0 1 | 23 12 | 4 11 | 20 45 | 0 26 | 2 42 | 2 13 | 19 41 | 0 11 | 13 52 | 1 51 | 5 56 | 12 36 | 15 24 | 15 38 | 15 35 | 4 15 | 2 23 |
| T 18 | 9 31 | 6 37 | 2 45 | 7 0 | 0 50 | 20 3 | 0s 3 | 23 13 | 4 9 | 20 43 | 0 26 | 2 39 | 2 13 | 19 42 | 0 11 | 13 52 | 1 51 | 5 57 | 12 35 | 15 24 | 15 39 | 15 34 | 4 16 | 2 23 |
| F 19 | 9 8 | 2 38 | 3 38 | 6 6 | 0 40 | 19 50 | 0 6 | 23 15 | 4 7 | 20 40 | 0 26 | 2 36 | 2 13 | 19 42 | 0 11 | 13 52 | 1 51 | 5 57 | 12 35 | 15 25 | 15 40 | 15 33 | 4 17 | 2 23 |
| S 20 | 8 46 | 1n31 | 4 21 | 5 12 | 0 30 | 19 37 | 0 9 | 23 16 | 4 5 | 20 38 | 0 26 | 2 33 | 2 13 | 19 42 | 0 11 | 13 52 | 1 51 | 5 58 | 12 35 | 15 26 | 15 41 | 15 31 | 4 19 | 2 23 |
| S 21 | 8 24 | 5 39 | 4 53 | 4 17 | 0 19 | 19 22 | 0 12 | 23 17 | 4 3 | 20 35 | 0 26 | 2 30 | 2 13 | 19 42 | 0 11 | 13 52 | 1 51 | 5 58 | 12 34 | 15 27 | 15 42 | 15 30 | 4 20 | 2 23 |
| M22 | 8 1 | 9 36 | 5 11 | 3 22 | 0 8 | 19 7 | 0 15 | 23 17 | 4 1 | 20 33 | 0 26 | 2 27 | 2 13 | 19 42 | 0 11 | 13 51 | 1 51 | 5 58 | 12 34 | 15 28 | 15 43 | 15 29 | 4 21 | 2 22 |
| T 23 | 7 38 | 13 13 | 5 15 | 2 27 | 0n 4 | 18 52 | 0 18 | 23 18 | 3 59 | 20 30 | 0 27 | 2 24 | 2 12 | 19 42 | 0 11 | 13 51 | 1 52 | 5 59 | 12 34 | 15 29 | 15 44 | 15 28 | 4 22 | 2 22 |
| W24 | 7 16 | 16 15 | 5 2 | 1 32 | 0 16 | 18 36 | 0 21 | 23 18 | 3 57 | 20 27 | 0 27 | 2 21 | 2 12 | 19 42 | 0 11 | 13 51 | 1 52 | 5 59 | 12 34 | 15 29 | 15 45 | 15 27 | 4 24 | 2 22 |
| T 25 | 6 53 | 18 31 | 4 33 | 0 38 | 0 28 | 18 20 | 0 24 | 23 18 | 3 55 | 20 25 | 0 27 | 2 18 | 2 12 | 19 42 | 0 11 | 13 51 | 1 52 | 6 0 | 12 33 | 15 29 | 15 46 | 15 25 | 4 25 | 2 22 |
| F 26 | 6 30 | 19 45 | 3 47 | 0n15 | 0 41 | 18 3 | 0 27 | 23 18 | 3 53 | 20 22 | 0 27 | 2 15 | 2 12 | 19 42 | 0 11 | 13 50 | 1 52 | 6 0 | 12 33 | 15 29 | 15 47 | 15 24 | 4 26 | 2 22 |
| S 27 | 6 7 | 19 47 | 2 46 | 1 6 | 0 54 | 17 45 | 0 30 | 23 17 | 3 50 | 20 20 | 0 27 | 2 12 | 2 12 | 19 42 | 0 11 | 13 50 | 1 52 | 6 0 | 12 33 | 15 28 | 15 48 | 15 23 | 4 27 | 2 22 |
| S 28 | 5s44 | 18n31 | 1s33 | 1n57 | 1n 7 | 17s27 | 0s33 | 23n17 | 3n48 | 20s17 | 0s27 | 2s 9 | 2s12 | 19s42 | 0n11 | 13s50 | 1n52 | 6n 1 | 12s32 | 15n28 | 15n49 | 15s22 | 4n29 | 2n22 |

Julian Day Number = 2138569.5, Delta T = 15m36s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'35, Lahiri = 11°54'36 Julian Calendar 1 Feb. 1143 == Greg. Calendar 8 Feb. 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## MARCH 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 58 27 | 16♓31'52 | 15♌50 | 3♈50 | 14♒25 | 2°R54 | 2♒ 2 | 29♓49 | 28°R21 | 12°R19 | 21♉11 | 18°R 9 | 16♌56 | 19♒ 8 | 5♈51 | M 1 |
| T 2 | 11 2 24 | 17°31'24 | 0♍52 | 5°16 | 15°38 | 2♌49 | 2°14 | 29°56 | 28♏20 | 12♏18 | 21°11 | 18♌ 8 | 16°53 | 19°15 | 5°54 | T 2 |
| W 3 | 11 6 20 | 18°30'54 | 15°57 | 6°37 | 16°51 | 2°46 | 2°26 | 0♈ 3 | 28°20 | 12°17 | 21°12 | 18° 6 | 16°50 | 19°22 | 5°58 | W 3 |
| T 4 | 11 10 17 | 19°30'22 | 0♎56 | 7°52 | 18° 4 | 2°42 | 2°38 | 0°11 | 28°20 | 12°16 | 21°13 | 18° 3 | 16°47 | 19°28 | 6° 1 | T 4 |
| F 5 | 11 14 14 | 20°29'48 | 15°40 | 9° 1 | 19°17 | 2°40 | 2°50 | 0°18 | 28°19 | 12°16 | 21°14 | 17°58 | 16°44 | 19°35 | 6° 5 | F 5 |
| S 6 | 11 18 10 | 21°29'12 | 0♏ 3 | 10° 4 | 20°30 | 2°38 | 3° 2 | 0°26 | 28°19 | 12°15 | 21°14 | 17°53 | 16°41 | 19°42 | 6° 8 | S 6 |
| S 7 | 11 22 7 | 22°28'34 | 13°58 | 11° 0 | 21°43 | 2°37 | 3°13 | 0°34 | 28°18 | 12°14 | 21°15 | 17°48 | 16°37 | 19°48 | 6°12 | S 7 |
| M 8 | 11 26 3 | 23°27'54 | 27°26 | 11°48 | 22°56 | 2°D37 | 3°25 | 0°41 | 28°18 | 12°13 | 21°16 | 17°44 | 16°34 | 19°55 | 6°15 | M 8 |
| T 9 | 11 30 0 | 24°27'12 | 10♐26 | 12°30 | 24° 9 | 2°38 | 3°36 | 0°49 | 28°17 | 12°12 | 21°17 | 17°42 | 16°31 | 20° 2 | 6°19 | T 9 |
| W10 | 11 33 56 | 25°26'29 | 23° 3 | 13° 4 | 25°22 | 2°39 | 3°47 | 0°56 | 28°17 | 12°11 | 21°18 | 17°D41 | 16°28 | 20° 8 | 6°22 | W10 |
| T 11 | 11 37 53 | 26°25'44 | 5♑19 | 13°31 | 26°35 | 2°41 | 3°59 | 1° 4 | 28°16 | 12°10 | 21°18 | 17°41 | 16°25 | 20°15 | 6°26 | T 11 |
| F 12 | 11 41 49 | 27°24'57 | 17°21 | 13°51 | 27°48 | 2°44 | 4°10 | 1°11 | 28°15 | 12° 9 | 21°19 | 17°42 | 16°21 | 20°21 | 6°30 | F 12 |
| S 13 | 11 45 46 | 28°24'08 | 29°12 | 14° 3 | 29° 1 | 2°47 | 4°21 | 1°19 | 28°14 | 12° 8 | 21°20 | 17°44 | 16°18 | 20°28 | 6°33 | S 13 |
| S 14 | 11 49 42 | 29°23'17 | 10♒59 | 14°R 8 | 0♓14 | 2°51 | 4°32 | 1°27 | 28°14 | 12° 7 | 21°21 | 17°45 | 16°15 | 20°35 | 6°37 | S 14 |
| M15 | 11 53 39 | 0♈22'24 | 22°45 | 14° 6 | 1°28 | 2°56 | 4°43 | 1°34 | 28°13 | 12° 6 | 21°22 | 17°R45 | 16°12 | 20°41 | 6°40 | M15 |
| T 16 | 11 57 36 | 1°21'30 | 4♓34 | 13°57 | 2°41 | 3° 1 | 4°53 | 1°42 | 28°12 | 12° 5 | 21°23 | 17°44 | 16° 9 | 20°48 | 6°44 | T 16 |
| W17 | 12 1 32 | 2°20'33 | 16°30 | 13°42 | 3°54 | 3° 7 | 5° 4 | 1°49 | 28°11 | 12° 4 | 21°24 | 17°40 | 16° 6 | 20°55 | 6°48 | W17 |
| T 18 | 12 5 29 | 3°19'34 | 28°35 | 13°20 | 5° 7 | 3°14 | 5°15 | 1°57 | 28°10 | 12° 2 | 21°25 | 17°34 | 16° 2 | 21° 1 | 6°51 | T 18 |
| F 19 | 12 9 25 | 4°18'34 | 10♈50 | 12°53 | 6°20 | 3°21 | 5°25 | 2° 5 | 28° 9 | 12° 1 | 21°26 | 17°27 | 15°59 | 21° 8 | 6°55 | F 19 |
| S 20 | 12 13 22 | 5°17'31 | 23°16 | 12°21 | 7°33 | 3°29 | 5°36 | 2°12 | 28° 8 | 12° 0 | 21°27 | 17°18 | 15°56 | 21°15 | 6°58 | S 20 |
| S 21 | 12 17 18 | 6°16'26 | 5♉55 | 11°45 | 8°47 | 3°38 | 5°46 | 2°20 | 28° 6 | 11°59 | 21°28 | 17° 9 | 15°53 | 21°21 | 7° 2 | S 21 |
| M22 | 12 21 15 | 7°15'19 | 18°45 | 11° 5 | 10° 0 | 3°47 | 5°56 | 2°27 | 28° 5 | 11°58 | 21°29 | 17° 1 | 15°50 | 21°28 | 7° 6 | M22 |
| T 23 | 12 25 11 | 8°14'09 | 1♊49 | 10°23 | 11°13 | 3°57 | 6° 6 | 2°35 | 28° 4 | 11°56 | 21°30 | 16°54 | 15°47 | 21°35 | 7° 9 | T 23 |
| W24 | 12 29 8 | 9°12'58 | 15° 6 | 9°39 | 12°26 | 4° 7 | 6°16 | 2°43 | 28° 3 | 11°55 | 21°31 | 16°49 | 15°43 | 21°41 | 7°13 | W24 |
| T 25 | 12 33 5 | 10°11'44 | 28°37 | 8°54 | 13°39 | 4°18 | 6°26 | 2°50 | 28° 1 | 11°54 | 21°32 | 16°46 | 15°40 | 21°48 | 7°17 | T 25 |
| F 26 | 12 37 1 | 11°10'28 | 12♋22 | 8° 9 | 14°52 | 4°29 | 6°35 | 2°58 | 28° 0 | 11°52 | 21°33 | 16°D46 | 15°37 | 21°54 | 7°20 | F 26 |
| S 27 | 12 40 58 | 12° 9'10 | 26°23 | 7°25 | 16° 6 | 4°42 | 6°45 | 3° 5 | 27°58 | 11°51 | 21°34 | 16°46 | 15°34 | 22° 1 | 7°24 | S 27 |
| S 28 | 12 44 54 | 13° 7'49 | 10♌39 | 6°42 | 17°19 | 4°54 | 6°54 | 3°13 | 27°57 | 11°50 | 21°35 | 16°R47 | 15°31 | 22° 8 | 7°27 | S 28 |
| M29 | 12 48 51 | 14° 6'26 | 25° 8 | 6° 1 | 18°32 | 5° 7 | 7° 4 | 3°20 | 27°55 | 11°48 | 21°36 | 16°47 | 15°27 | 22°14 | 7°31 | M29 |
| T 30 | 12 52 47 | 15° 5'00 | 9♍47 | 5°24 | 19°45 | 5°21 | 7°13 | 3°28 | 27°54 | 11°47 | 21°37 | 16°45 | 15°24 | 22°21 | 7°35 | T 30 |
| W31 | 12 56 44 | 16♈ 3'33 | 24♍32 | 4♈49 | 20♓58 | 5♌35 | 7♒22 | 3♈35 | 27♏52 | 11♏45 | 21♉38 | 16♌40 | 15♌21 | 22♒28 | 7♈38 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s20 | 15n58 | 0s13 | 2n45 | 1n20 | 17s 9 | 0s35 | 23n16 | 3n46 | 20s14 | 0s27 | 2s 6 | 2s12 | 19s42 | 0n11 | 13s50 | 1n52 | 6n 1 | 12s32 | 15n28 | 15n50 | 15s20 | 4n30 | 2n22 |
| T 2 | 4 57 | 12 18 | 1n 9 | 3 31 | 1 33 | 16 50 | 0 38 | 23 15 | 3 44 | 20 12 | 0 28 | 2 3 | 2 12 | 19 42 | 0 11 | 13 49 | 1 52 | 6 2 | 12 32 | 15 28 | 15 51 | 15 19 | 4 31 | 2 22 |
| W 3 | 4 34 | 7 49 | 2 27 | 4 15 | 1 45 | 16 30 | 0 41 | 23 13 | 3 41 | 20 9 | 0 28 | 2 0 | 2 12 | 19 42 | 0 11 | 13 49 | 1 52 | 6 2 | 12 32 | 15 28 | 15 52 | 15 18 | 4 32 | 2 21 |
| T 4 | 4 10 | 2 53 | 3 33 | 4 56 | 1 58 | 16 10 | 0 43 | 23 12 | 3 39 | 20 7 | 0 28 | 1 57 | 2 12 | 19 42 | 0 11 | 13 49 | 1 52 | 6 3 | 12 31 | 15 29 | 15 53 | 15 17 | 4 34 | 2 21 |
| F 5 | 3 47 | 2s 8 | 4 25 | 5 35 | 2 10 | 15 50 | 0 46 | 23 10 | 3 37 | 20 4 | 0 28 | 1 54 | 2 12 | 19 41 | 0 11 | 13 48 | 1 52 | 6 3 | 12 31 | 15 31 | 15 54 | 15 15 | 4 35 | 2 21 |
| S 6 | 3 23 | 6 54 | 4 58 | 6 10 | 2 21 | 15 29 | 0 48 | 23 8 | 3 35 | 20 2 | 0 28 | 1 51 | 2 12 | 19 41 | 0 11 | 13 48 | 1 52 | 6 3 | 12 31 | 15 32 | 15 55 | 15 14 | 4 36 | 2 21 |
| S 7 | 3 0 | 11 9 | 5 12 | 6 42 | 2 32 | 15 8 | 0 51 | 23 6 | 3 32 | 19 59 | 0 28 | 1 48 | 2 12 | 19 41 | 0 11 | 13 48 | 1 52 | 6 4 | 12 31 | 15 34 | 15 56 | 15 13 | 4 38 | 2 21 |
| M 8 | 2 36 | 14 40 | 5 8 | 7 10 | 2 42 | 14 46 | 0 53 | 23 4 | 3 30 | 19 57 | 0 28 | 1 45 | 2 12 | 19 41 | 0 11 | 13 48 | 1 52 | 6 4 | 12 30 | 15 35 | 15 57 | 15 12 | 4 39 | 2 21 |
| T 9 | 2 13 | 17 22 | 4 48 | 7 35 | 2 51 | 14 24 | 0 56 | 23 2 | 3 28 | 19 54 | 0 29 | 1 42 | 2 12 | 19 41 | 0 11 | 13 47 | 1 52 | 6 5 | 12 30 | 15 36 | 15 57 | 15 10 | 4 40 | 2 21 |
| W10 | 1 49 | 19 7 | 4 15 | 7 56 | 2 59 | 14 2 | 0 58 | 22 59 | 3 25 | 19 52 | 0 29 | 1 39 | 2 12 | 19 41 | 0 11 | 13 47 | 1 52 | 6 5 | 12 30 | 15 36 | 15 58 | 15 9 | 4 42 | 2 21 |
| T 11 | 1 26 | 19 56 | 3 31 | 8 13 | 3 6 | 13 39 | 1 0 | 22 57 | 3 23 | 19 49 | 0 29 | 1 36 | 2 12 | 19 41 | 0 11 | 13 47 | 1 52 | 6 6 | 12 30 | 15 36 | 15 59 | 15 8 | 4 43 | 2 21 |
| F 12 | 1 2 | 19 48 | 2 38 | 8 26 | 3 12 | 13 16 | 1 2 | 22 54 | 3 21 | 19 47 | 0 29 | 1 33 | 2 12 | 19 41 | 0 11 | 13 46 | 1 52 | 6 6 | 12 29 | 15 36 | 16 0 | 15 7 | 4 44 | 2 21 |
| S 13 | 0 38 | 18 47 | 1 39 | 8 35 | 3 17 | 12 52 | 1 4 | 22 51 | 3 19 | 19 44 | 0 29 | 1 30 | 2 12 | 19 40 | 0 11 | 13 46 | 1 52 | 6 7 | 12 29 | 15 35 | 16 1 | 15 5 | 4 46 | 2 21 |
| S 14 | 0 15 | 16 58 | 0 37 | 8 40 | 3 20 | 12 28 | 1 6 | 22 48 | 3 16 | 19 42 | 0 29 | 1 26 | 2 12 | 19 40 | 0 11 | 13 45 | 1 52 | 6 7 | 12 29 | 15 35 | 16 2 | 15 4 | 4 47 | 2 20 |
| M15 | 0n 9 | 14 25 | 0s27 | 8 41 | 3 22 | 12 4 | 1 8 | 22 44 | 3 14 | 19 39 | 0 30 | 1 23 | 2 12 | 19 40 | 0 11 | 13 45 | 1 52 | 6 7 | 12 29 | 15 35 | 16 3 | 15 3 | 4 48 | 2 20 |
| T 16 | 0 33 | 11 16 | 1 30 | 8 38 | 3 22 | 11 39 | 1 10 | 22 41 | 3 12 | 19 37 | 0 30 | 1 20 | 2 12 | 19 40 | 0 11 | 13 45 | 1 53 | 6 8 | 12 28 | 15 35 | 16 4 | 15 1 | 4 50 | 2 20 |
| W17 | 0 56 | 7 39 | 2 29 | 8 31 | 3 21 | 11 14 | 1 12 | 22 37 | 3 10 | 19 34 | 0 30 | 1 17 | 2 12 | 19 40 | 0 11 | 13 44 | 1 53 | 6 8 | 12 28 | 15 37 | 16 5 | 15 0 | 4 51 | 2 20 |
| T 18 | 1 20 | 3 40 | 3 23 | 8 20 | 3 18 | 10 49 | 1 14 | 22 34 | 3 7 | 19 32 | 0 30 | 1 14 | 2 12 | 19 39 | 0 11 | 13 44 | 1 53 | 6 9 | 12 28 | 15 38 | 16 6 | 14 59 | 4 53 | 2 20 |
| F 19 | 1 43 | 0n31 | 4 7 | 8 5 | 3 14 | 10 24 | 1 15 | 22 30 | 3 5 | 19 29 | 0 30 | 1 11 | 2 12 | 19 39 | 0 11 | 13 44 | 1 53 | 6 9 | 12 28 | 15 41 | 16 7 | 14 57 | 4 54 | 2 20 |
| S 20 | 2 7 | 4 44 | 4 41 | 7 47 | 3 8 | 9 58 | 1 17 | 22 26 | 3 3 | 19 27 | 0 30 | 1 8 | 2 12 | 19 39 | 0 11 | 13 43 | 1 53 | 6 10 | 12 27 | 15 43 | 16 8 | 14 56 | 4 55 | 2 20 |
| S 21 | 2 30 | 8 49 | 5 1 | 7 26 | 3 0 | 9 32 | 1 19 | 22 21 | 3 1 | 19 25 | 0 31 | 1 5 | 2 12 | 19 39 | 0 11 | 13 43 | 1 53 | 6 10 | 12 27 | 15 46 | 16 9 | 14 55 | 4 57 | 2 20 |
| M22 | 2 54 | 12 34 | 5 7 | 7 2 | 2 51 | 9 5 | 1 20 | 22 17 | 2 59 | 19 22 | 0 31 | 1 2 | 2 12 | 19 38 | 0 11 | 13 42 | 1 53 | 6 11 | 12 27 | 15 49 | 16 10 | 14 54 | 4 58 | 2 20 |
| T 23 | 3 17 | 15 46 | 4 57 | 6 35 | 2 41 | 8 39 | 1 21 | 22 13 | 2 57 | 19 20 | 0 31 | 0 59 | 2 12 | 19 38 | 0 11 | 13 42 | 1 53 | 6 11 | 12 27 | 15 51 | 16 11 | 14 52 | 4 59 | 2 20 |
| W24 | 3 40 | 18 13 | 4 31 | 6 7 | 2 29 | 8 12 | 1 23 | 22 8 | 2 54 | 19 18 | 0 31 | 0 56 | 2 12 | 19 38 | 0 11 | 13 41 | 1 53 | 6 12 | 12 27 | 15 52 | 16 12 | 14 51 | 5 1 | 2 20 |
| T 25 | 4 3 | 19 43 | 3 49 | 5 37 | 2 16 | 7 45 | 1 24 | 22 4 | 2 52 | 19 15 | 0 31 | 0 53 | 2 12 | 19 37 | 0 11 | 13 41 | 1 53 | 6 12 | 12 26 | 15 53 | 16 13 | 14 50 | 5 2 | 2 20 |
| F 26 | 4 26 | 20 5 | 2 54 | 5 6 | 2 2 | 7 18 | 1 25 | 21 59 | 2 50 | 19 13 | 0 32 | 0 50 | 2 12 | 19 37 | 0 11 | 13 41 | 1 53 | 6 12 | 12 26 | 15 53 | 16 14 | 14 48 | 5 4 | 2 20 |
| S 27 | 4 49 | 19 13 | 1 47 | 4 35 | 1 47 | 6 50 | 1 26 | 21 54 | 2 48 | 19 11 | 0 32 | 0 48 | 2 12 | 19 37 | 0 11 | 13 40 | 1 53 | 6 13 | 12 26 | 15 53 | 16 15 | 14 47 | 5 5 | 2 20 |
| S 28 | 5 12 | 17 7 | 0 33 | 4 4 | 1 31 | 6 23 | 1 27 | 21 49 | 2 46 | 19 9 | 0 32 | 0 45 | 2 13 | 19 36 | 0 11 | 13 40 | 1 53 | 6 13 | 12 26 | 15 53 | 16 16 | 14 46 | 5 6 | 2 20 |
| M29 | 5 35 | 13 54 | 0n45 | 3 33 | 1 15 | 5 55 | 1 28 | 21 43 | 2 44 | 19 7 | 0 32 | 0 42 | 2 13 | 19 36 | 0 11 | 13 39 | 1 53 | 6 14 | 12 26 | 15 53 | 16 16 | 14 44 | 5 8 | 2 20 |
| T 30 | 5 58 | 9 47 | 2 0 | 3 3 | 0 58 | 5 27 | 1 29 | 21 38 | 2 42 | 19 4 | 0 32 | 0 39 | 2 13 | 19 36 | 0 11 | 13 39 | 1 53 | 6 14 | 12 25 | 15 53 | 16 17 | 14 43 | 5 9 | 2 19 |
| W31 | 6n21 | 5n 3 | 3n 8 | 2n34 | 0n42 | 4s59 | 1s30 | 21n33 | 2n40 | 19s 2 | 0s33 | 0s36 | 2s13 | 19s35 | 0n11 | 13s38 | 1n53 | 6n15 | 12s25 | 15n55 | 16n18 | 14s42 | 5n11 | 2n19 |

Julian Day Number = 2138597.5, Delta T = 15m36s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'39, Lahiri = 11°54'40 Julian Calendar 1 March 1143 == Greg. Calendar 8 March 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## APRIL 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 0 40 | 17♈ 2'03 | 9♎14 | 4°R19 | 22♓11 | 5♌49 | 7♒31 | 3♈43 | 27°R51 | 11°R44 | 21♉39 | 16°R34 | 15♌18 | 22♒34 | 7♈42 | T 1 |
| F 2 | 13 4 37 | 18° 0'31 | 23°47 | 3♈53 | 23°25 | 6° 4 | 7°40 | 3°50 | 27♏49 | 11♏43 | 21°41 | 16♌25 | 15°15 | 22°41 | 7°45 | F 2 |
| S 3 | 13 8 34 | 18°58'58 | 8♏ 4 | 3°32 | 24°38 | 6°20 | 7°49 | 3°58 | 27°47 | 11°41 | 21°42 | 16°15 | 15°12 | 22°48 | 7°49 | S 3 |
| S 4 | 13 12 30 | 19°57'23 | 21°58 | 3°15 | 25°51 | 6°36 | 7°57 | 4° 5 | 27°45 | 11°40 | 21°43 | 16° 5 | 15° 8 | 22°54 | 7°53 | S 4 |
| M 5 | 13 16 27 | 20°55'46 | 5♐27 | 3° 4 | 27° 4 | 6°52 | 8° 6 | 4°12 | 27°44 | 11°38 | 21°44 | 15°56 | 15° 5 | 23° 1 | 7°56 | M 5 |
| T 6 | 13 20 23 | 21°54'07 | 18°30 | 2°57 | 28°17 | 7° 9 | 8°14 | 4°20 | 27°42 | 11°37 | 21°45 | 15°49 | 15° 2 | 23° 8 | 8° 0 | T 6 |
| W 7 | 13 24 20 | 22°52'27 | 1♑10 | 2°D55 | 29°31 | 7°26 | 8°22 | 4°27 | 27°40 | 11°35 | 21°46 | 15°45 | 14°59 | 23°14 | 8° 3 | W 7 |
| T 8 | 13 28 16 | 23°50'45 | 13°29 | 2°59 | 0♈44 | 7°44 | 8°30 | 4°35 | 27°38 | 11°34 | 21°48 | 15°43 | 14°56 | 23°21 | 8° 7 | T 8 |
| F 9 | 13 32 13 | 24°49'01 | 25°32 | 3° 7 | 1°57 | 8° 2 | 8°38 | 4°42 | 27°36 | 11°32 | 21°49 | 15°D42 | 14°52 | 23°28 | 8°10 | F 9 |
| S 10 | 13 36 9 | 25°47'16 | 7♒25 | 3°20 | 3°10 | 8°20 | 8°46 | 4°49 | 27°34 | 11°31 | 21°50 | 15°43 | 14°49 | 23°34 | 8°14 | S 10 |
| S 11 | 13 40 6 | 26°45'30 | 19°12 | 3°38 | 4°24 | 8°39 | 8°54 | 4°56 | 27°32 | 11°29 | 21°51 | 15°R43 | 14°46 | 23°41 | 8°17 | S 11 |
| M12 | 13 44 2 | 27°43'42 | 1♓ 0 | 4° 0 | 5°37 | 8°59 | 9° 1 | 5° 4 | 27°30 | 11°27 | 21°53 | 15°42 | 14°43 | 23°47 | 8°21 | M12 |
| T 13 | 13 47 59 | 28°41'52 | 12°53 | 4°26 | 6°50 | 9°18 | 9° 9 | 5°11 | 27°28 | 11°26 | 21°54 | 15°38 | 14°40 | 23°54 | 8°24 | T 13 |
| W14 | 13 51 56 | 29°40'01 | 24°55 | 4°57 | 8° 3 | 9°38 | 9°16 | 5°18 | 27°26 | 11°24 | 21°55 | 15°33 | 14°37 | 24° 1 | 8°28 | W14 |
| T 15 | 13 55 52 | 0♉38'08 | 7♈ 9 | 5°32 | 9°17 | 9°59 | 9°23 | 5°25 | 27°24 | 11°23 | 21°56 | 15°24 | 14°33 | 24° 7 | 8°31 | T 15 |
| F 16 | 13 59 49 | 1°36'13 | 19°38 | 6°11 | 10°30 | 10°19 | 9°30 | 5°32 | 27°22 | 11°21 | 21°58 | 15°14 | 14°30 | 24°14 | 8°34 | F 16 |
| S 17 | 14 3 45 | 2°34'17 | 2♉22 | 6°53 | 11°43 | 10°40 | 9°37 | 5°39 | 27°20 | 11°19 | 21°59 | 15° 1 | 14°27 | 24°21 | 8°38 | S 17 |
| S 18 | 14 7 42 | 3°32'19 | 15°20 | 7°39 | 12°56 | 11° 2 | 9°43 | 5°46 | 27°18 | 11°18 | 22° 0 | 14°49 | 14°24 | 24°27 | 8°41 | S 18 |
| M19 | 14 11 38 | 4°30'20 | 28°33 | 8°29 | 14°10 | 11°24 | 9°50 | 5°53 | 27°15 | 11°16 | 22° 2 | 14°37 | 14°21 | 24°34 | 8°44 | M19 |
| T 20 | 14 15 35 | 5°28'18 | 11♊57 | 9°22 | 15°23 | 11°46 | 9°56 | 6° 0 | 27°13 | 11°15 | 22° 3 | 14°27 | 14°18 | 24°41 | 8°48 | T 20 |
| W21 | 14 19 31 | 6°26'15 | 25°32 | 10°18 | 16°36 | 12° 8 | 10° 2 | 6° 7 | 27°11 | 11°13 | 22° 4 | 14°19 | 14°14 | 24°47 | 8°51 | W21 |
| T 22 | 14 23 28 | 7°24'11 | 9♋16 | 11°17 | 17°49 | 12°31 | 10° 8 | 6°14 | 27° 9 | 11°11 | 22° 6 | 14°15 | 14°11 | 24°54 | 8°54 | T 22 |
| F 23 | 14 27 25 | 8°22'04 | 23° 8 | 12°19 | 19° 3 | 12°54 | 10°14 | 6°21 | 27° 6 | 11°10 | 22° 7 | 14°12 | 14° 8 | 25° 1 | 8°58 | F 23 |
| S 24 | 14 31 21 | 9°19'56 | 7♌ 8 | 13°24 | 20°16 | 13°17 | 10°20 | 6°28 | 27° 4 | 11° 8 | 22° 8 | 14°12 | 14° 5 | 25° 7 | 9° 1 | S 24 |
| S 25 | 14 35 18 | 10°17'45 | 21°15 | 14°32 | 21°29 | 13°41 | 10°25 | 6°35 | 27° 2 | 11° 7 | 22°10 | 14°12 | 14° 2 | 25°14 | 9° 4 | S 25 |
| M26 | 14 39 14 | 11°15'33 | 5♍28 | 15°43 | 22°42 | 14° 5 | 10°30 | 6°41 | 26°59 | 11° 5 | 22°11 | 14°11 | 13°58 | 25°21 | 9° 7 | M26 |
| T 27 | 14 43 11 | 12°13'19 | 19°45 | 16°56 | 23°56 | 14°29 | 10°36 | 6°48 | 26°57 | 11° 3 | 22°12 | 14° 8 | 13°55 | 25°27 | 9°10 | T 27 |
| W28 | 14 47 7 | 13°11'03 | 4♎ 5 | 18°12 | 25° 9 | 14°53 | 10°41 | 6°55 | 26°55 | 11° 2 | 22°14 | 14° 2 | 13°52 | 25°34 | 9°14 | W28 |
| T 29 | 14 51 4 | 14° 8'46 | 18°22 | 19°30 | 26°22 | 15°18 | 10°46 | 7° 1 | 26°52 | 11° 0 | 22°15 | 13°54 | 13°49 | 25°40 | 9°17 | T 29 |
| F 30 | 14 55 0 | 15♉ 6'27 | 2♏32 | 20♈51 | 27♈36 | 15♌43 | 10♒50 | 7♈ 8 | 26♏50 | 10♏58 | 22♉16 | 13♌44 | 13♌46 | 25♒47 | 9♈20 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n43 | 0n 2 | 4n 3 | 2n 6 | 0n25 | 4s30 | 1s31 | 21n27 | 2n38 | 19s 0 | 0s33 | 0s33 | 2s13 | 19s35 | 0n11 | 13s38 | 1n53 | 6n15 | 12s25 | 15n57 | 16n19 | 14s40 | 5n12 | 2n19 |
| F 2 | 7 6 | 4s55 | 4 41 | 1 41 | 0 9 | 4 2 | 1 32 | 21 21 | 2 36 | 18 58 | 0 33 | 0 30 | 2 13 | 19 35 | 0 11 | 13 37 | 1 53 | 6 16 | 12 25 | 15 59 | 16 20 | 14 39 | 5 13 | 2 19 |
| S 3 | 7 28 | 9 30 | 5 1 | 1 18 | 0s 8 | 3 33 | 1 32 | 21 16 | 2 34 | 18 56 | 0 33 | 0 27 | 2 13 | 19 34 | 0 11 | 13 37 | 1 53 | 6 16 | 12 25 | 16 2 | 16 21 | 14 37 | 5 15 | 2 19 |
| S 4 | 7 50 | 13 28 | 5 3 | 0 57 | 0 23 | 3 5 | 1 33 | 21 10 | 2 32 | 18 54 | 0 33 | 0 24 | 2 13 | 19 34 | 0 11 | 13 36 | 1 53 | 6 17 | 12 24 | 16 5 | 16 22 | 14 36 | 5 16 | 2 19 |
| M 5 | 8 12 | 16 36 | 4 47 | 0 38 | 0 38 | 2 36 | 1 33 | 21 4 | 2 30 | 18 52 | 0 34 | 0 21 | 2 13 | 19 33 | 0 11 | 13 36 | 1 53 | 6 17 | 12 24 | 16 8 | 16 23 | 14 35 | 5 18 | 2 19 |
| T 6 | 8 34 | 18 47 | 4 17 | 0 22 | 0 53 | 2 7 | 1 34 | 20 58 | 2 28 | 18 50 | 0 34 | 0 18 | 2 13 | 19 33 | 0 11 | 13 35 | 1 53 | 6 17 | 12 24 | 16 10 | 16 24 | 14 33 | 5 19 | 2 19 |
| W 7 | 8 56 | 19 58 | 3 34 | 0 9 | 1 7 | 1 38 | 1 34 | 20 51 | 2 26 | 18 48 | 0 34 | 0 16 | 2 13 | 19 33 | 0 11 | 13 35 | 1 53 | 6 18 | 12 24 | 16 11 | 16 25 | 14 32 | 5 20 | 2 19 |
| T 8 | 9 18 | 20 10 | 2 43 | 0s 2 | 1 20 | 1 9 | 1 34 | 20 45 | 2 25 | 18 46 | 0 34 | 0 13 | 2 13 | 19 32 | 0 11 | 13 34 | 1 53 | 6 18 | 12 24 | 16 12 | 16 26 | 14 31 | 5 22 | 2 19 |
| F 9 | 9 39 | 19 24 | 1 45 | 0 10 | 1 33 | 0 40 | 1 35 | 20 38 | 2 23 | 18 44 | 0 34 | 0 10 | 2 13 | 19 32 | 0 11 | 13 34 | 1 53 | 6 19 | 12 24 | 16 12 | 16 27 | 14 29 | 5 23 | 2 19 |
| S 10 | 10 1 | 17 47 | 0 44 | 0 16 | 1 45 | 0 11 | 1 35 | 20 32 | 2 21 | 18 42 | 0 35 | 0 7 | 2 13 | 19 31 | 0 11 | 13 34 | 1 53 | 6 19 | 12 24 | 16 12 | 16 28 | 14 28 | 5 24 | 2 19 |
| S 11 | 10 22 | 15 26 | 0s19 | 0 19 | 1 56 | 0n18 | 1 35 | 20 25 | 2 19 | 18 41 | 0 35 | 0 4 | 2 14 | 19 31 | 0 11 | 13 33 | 1 53 | 6 20 | 12 23 | 16 12 | 16 29 | 14 27 | 5 26 | 2 19 |
| M12 | 10 43 | 12 25 | 1 21 | 0 19 | 2 6 | 0 47 | 1 35 | 20 18 | 2 17 | 18 39 | 0 35 | 0 1 | 2 14 | 19 30 | 0 11 | 13 33 | 1 53 | 6 20 | 12 23 | 16 12 | 16 30 | 14 25 | 5 27 | 2 19 |
| T 13 | 11 4 | 8 54 | 2 19 | 0 17 | 2 15 | 1 17 | 1 35 | 20 11 | 2 16 | 18 37 | 0 35 | 0n 1 | 2 14 | 19 30 | 0 11 | 13 32 | 1 53 | 6 21 | 12 23 | 16 13 | 16 31 | 14 24 | 5 28 | 2 19 |
| W14 | 11 24 | 4 58 | 3 12 | 0 13 | 2 24 | 1 46 | 1 35 | 20 4 | 2 14 | 18 35 | 0 35 | 0 4 | 2 14 | 19 30 | 0 11 | 13 32 | 1 53 | 6 21 | 12 23 | 16 15 | 16 31 | 14 22 | 5 30 | 2 19 |
| T 15 | 11 45 | 0 47 | 3 57 | 0 6 | 2 31 | 2 15 | 1 34 | 19 57 | 2 12 | 18 34 | 0 36 | 0 7 | 2 14 | 19 29 | 0 11 | 13 31 | 1 53 | 6 21 | 12 23 | 16 17 | 16 32 | 14 21 | 5 31 | 2 19 |
| F 16 | 12 5 | 3n31 | 4 32 | 0n 3 | 2 38 | 2 44 | 1 34 | 19 49 | 2 10 | 18 32 | 0 36 | 0 10 | 2 14 | 19 29 | 0 11 | 13 31 | 1 53 | 6 22 | 12 23 | 16 21 | 16 33 | 14 20 | 5 32 | 2 19 |
| S 17 | 12 25 | 7 45 | 4 54 | 0 14 | 2 44 | 3 13 | 1 34 | 19 42 | 2 9 | 18 30 | 0 36 | 0 12 | 2 14 | 19 28 | 0 11 | 13 30 | 1 53 | 6 22 | 12 23 | 16 24 | 16 34 | 14 18 | 5 34 | 2 19 |
| S 18 | 12 45 | 11 43 | 5 1 | 0 27 | 2 50 | 3 42 | 1 33 | 19 34 | 2 7 | 18 29 | 0 36 | 0 15 | 2 14 | 19 28 | 0 11 | 13 30 | 1 53 | 6 23 | 12 22 | 16 28 | 16 35 | 14 17 | 5 35 | 2 19 |
| M19 | 13 5 | 15 10 | 4 52 | 0 43 | 2 54 | 4 11 | 1 33 | 19 27 | 2 5 | 18 27 | 0 36 | 0 18 | 2 14 | 19 27 | 0 11 | 13 29 | 1 53 | 6 23 | 12 22 | 16 31 | 16 36 | 14 15 | 5 36 | 2 19 |
| T 20 | 13 24 | 17 54 | 4 27 | 1 0 | 2 58 | 4 40 | 1 32 | 19 19 | 2 4 | 18 26 | 0 37 | 0 20 | 2 15 | 19 27 | 0 11 | 13 28 | 1 53 | 6 24 | 12 22 | 16 34 | 16 37 | 14 14 | 5 38 | 2 19 |
| W21 | 13 44 | 19 41 | 3 47 | 1 19 | 3 1 | 5 9 | 1 32 | 19 11 | 2 2 | 18 24 | 0 37 | 0 23 | 2 15 | 19 26 | 0 11 | 13 28 | 1 53 | 6 24 | 12 22 | 16 37 | 16 38 | 14 12 | 5 39 | 2 19 |
| T 22 | 14 3 | 20 20 | 2 54 | 1 40 | 3 4 | 5 38 | 1 31 | 19 3 | 2 0 | 18 23 | 0 37 | 0 26 | 2 15 | 19 26 | 0 11 | 13 27 | 1 53 | 6 24 | 12 22 | 16 38 | 16 39 | 14 11 | 5 40 | 2 19 |
| F 23 | 14 22 | 19 46 | 1 49 | 2 3 | 3 5 | 6 6 | 1 30 | 18 55 | 1 59 | 18 21 | 0 37 | 0 28 | 2 15 | 19 25 | 0 11 | 13 27 | 1 53 | 6 25 | 12 22 | 16 39 | 16 40 | 14 10 | 5 42 | 2 19 |
| S 24 | 14 40 | 17 58 | 0 37 | 2 27 | 3 6 | 6 35 | 1 29 | 18 47 | 1 57 | 18 20 | 0 38 | 0 31 | 2 15 | 19 24 | 0 11 | 13 26 | 1 53 | 6 25 | 12 22 | 16 39 | 16 41 | 14 8 | 5 43 | 2 19 |
| S 25 | 14 58 | 15 4 | 0n37 | 2 53 | 3 7 | 7 3 | 1 28 | 18 38 | 1 56 | 18 19 | 0 38 | 0 33 | 2 15 | 19 24 | 0 11 | 13 26 | 1 53 | 6 26 | 12 22 | 16 39 | 16 42 | 14 7 | 5 44 | 2 19 |
| M26 | 15 17 | 11 15 | 1 50 | 3 21 | 3 6 | 7 31 | 1 27 | 18 30 | 1 54 | 18 18 | 0 38 | 0 36 | 2 15 | 19 23 | 0 11 | 13 25 | 1 53 | 6 26 | 12 22 | 16 39 | 16 43 | 14 5 | 5 45 | 2 19 |
| T 27 | 15 34 | 6 46 | 2 56 | 3 50 | 3 5 | 7 59 | 1 26 | 18 21 | 1 52 | 18 16 | 0 38 | 0 38 | 2 15 | 19 23 | 0 11 | 13 25 | 1 53 | 6 26 | 12 22 | 16 40 | 16 43 | 14 4 | 5 47 | 2 19 |
| W28 | 15 52 | 1 54 | 3 51 | 4 20 | 3 3 | 8 27 | 1 25 | 18 12 | 1 51 | 18 15 | 0 38 | 0 41 | 2 16 | 19 22 | 0 11 | 13 24 | 1 53 | 6 27 | 12 21 | 16 41 | 16 44 | 14 2 | 5 48 | 2 19 |
| T 29 | 16 9 | 3s 3 | 4 32 | 4 52 | 3 1 | 8 55 | 1 24 | 18 4 | 1 49 | 18 14 | 0 39 | 0 43 | 2 16 | 19 22 | 0 11 | 13 24 | 1 53 | 6 27 | 12 21 | 16 44 | 16 45 | 14 1 | 5 49 | 2 19 |
| F 30 | 16n27 | 7s47 | 4n55 | 5n25 | 2s58 | 9n22 | 1s23 | 17n55 | 1n48 | 18s13 | 0s39 | 0n46 | 2s16 | 19s21 | 0n11 | 13s23 | 1n53 | 6n28 | 12s21 | 16n47 | 16n46 | 14s 0 | 5n50 | 2n19 |

Julian Day Number = 2138628.5, Delta T = 15m36s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'43, Lahiri = 11°54'44 Julian Calendar 1 Apr. 1143 == Greg. Calendar 8 Apr. 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## MAY 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 58 57 | 16♉ 4'07 | 16♏29 | 22♈14 | 28♈49 | 16♌ 9 | 10♒55 | 7♈14 | 26°R47 | 10°R57 | 22♉18 | 13°R32 | 13♌43 | 25♒54 | 9♈23 | S 1 |
| S 2 | 15 2 54 | 17° 1'45 | 0♐ 9 | 23°40 | 0♉ 2 | 16°34 | 10°59 | 7°21 | 26♏45 | 10♏55 | 22°19 | 13♌20 | 13°39 | 26° 0 | 9°26 | S 2 |
| M 3 | 15 6 50 | 17°59'23 | 13°29 | 25° 8 | 1°15 | 17° 0 | 11° 3 | 7°27 | 26°43 | 10°54 | 22°20 | 13° 9 | 13°36 | 26° 7 | 9°29 | M 3 |
| T 4 | 15 10 47 | 18°56'59 | 26°27 | 26°39 | 2°29 | 17°26 | 11° 7 | 7°34 | 26°40 | 10°52 | 22°22 | 13° 0 | 13°33 | 26°14 | 9°32 | T 4 |
| W 5 | 15 14 43 | 19°54'34 | 9♑ 4 | 28°11 | 3°42 | 17°52 | 11°11 | 7°40 | 26°38 | 10°50 | 22°23 | 12°54 | 13°30 | 26°20 | 9°35 | W 5 |
| T 6 | 15 18 40 | 20°52'08 | 21°23 | 29°47 | 4°55 | 18°19 | 11°15 | 7°46 | 26°35 | 10°49 | 22°24 | 12°50 | 13°27 | 26°27 | 9°38 | T 6 |
| F 7 | 15 22 36 | 21°49'41 | 3♒26 | 1♉24 | 6° 9 | 18°45 | 11°18 | 7°52 | 26°33 | 10°47 | 22°26 | 12°49 | 13°24 | 26°34 | 9°41 | F 7 |
| S 8 | 15 26 33 | 22°47'13 | 15°20 | 3° 4 | 7°22 | 19°12 | 11°22 | 7°59 | 26°30 | 10°46 | 22°27 | 12°D49 | 13°20 | 26°40 | 9°44 | S 8 |
| S 9 | 15 30 29 | 23°44'44 | 27° 9 | 4°46 | 8°35 | 19°39 | 11°25 | 8° 5 | 26°28 | 10°44 | 22°29 | 12°R49 | 13°17 | 26°47 | 9°46 | S 9 |
| M10 | 15 34 26 | 24°42'14 | 8♓59 | 6°31 | 9°49 | 20° 7 | 11°28 | 8°11 | 26°25 | 10°42 | 22°30 | 12°48 | 13°14 | 26°54 | 9°49 | M10 |
| T 11 | 15 38 23 | 25°39'43 | 20°54 | 8°17 | 11° 2 | 20°34 | 11°30 | 8°17 | 26°23 | 10°41 | 22°31 | 12°45 | 13°11 | 27° 0 | 9°52 | T 11 |
| W12 | 15 42 19 | 26°37'12 | 3♈ 1 | 10° 7 | 12°15 | 21° 2 | 11°33 | 8°23 | 26°20 | 10°39 | 22°33 | 12°41 | 13° 8 | 27° 7 | 9°55 | W12 |
| T 13 | 15 46 16 | 27°34'39 | 15°22 | 11°58 | 13°29 | 21°30 | 11°35 | 8°29 | 26°18 | 10°38 | 22°34 | 12°33 | 13° 4 | 27°14 | 9°57 | T 13 |
| F 14 | 15 50 12 | 28°32'06 | 28° 1 | 13°52 | 14°42 | 21°59 | 11°37 | 8°34 | 26°15 | 10°36 | 22°35 | 12°24 | 13° 1 | 27°20 | 10° 0 | F 14 |
| S 15 | 15 54 9 | 29°29'32 | 10♉59 | 15°47 | 15°55 | 22°27 | 11°39 | 8°40 | 26°13 | 10°35 | 22°37 | 12°13 | 12°58 | 27°27 | 10° 3 | S 15 |
| S 16 | 15 58 5 | 0♊26'57 | 24°17 | 17°45 | 17° 9 | 22°56 | 11°41 | 8°46 | 26°10 | 10°33 | 22°38 | 12° 1 | 12°55 | 27°33 | 10° 5 | S 16 |
| M17 | 16 2 2 | 1°24'21 | 7♊51 | 19°45 | 18°22 | 23°25 | 11°43 | 8°51 | 26° 8 | 10°32 | 22°39 | 11°50 | 12°52 | 27°40 | 10° 8 | M17 |
| T 18 | 16 5 58 | 2°21'45 | 21°40 | 21°47 | 19°35 | 23°54 | 11°44 | 8°57 | 26° 5 | 10°30 | 22°41 | 11°41 | 12°49 | 27°47 | 10°10 | T 18 |
| W19 | 16 9 55 | 3°19'07 | 5♋39 | 23°51 | 20°49 | 24°23 | 11°46 | 9° 3 | 26° 3 | 10°29 | 22°42 | 11°34 | 12°45 | 27°53 | 10°13 | W19 |
| T 20 | 16 13 52 | 4°16'29 | 19°45 | 25°57 | 22° 2 | 24°52 | 11°47 | 9° 8 | 26° 1 | 10°27 | 22°43 | 11°30 | 12°42 | 28° 0 | 10°15 | T 20 |
| F 21 | 16 17 48 | 5°13'49 | 3♌55 | 28° 4 | 23°16 | 25°22 | 11°47 | 9°13 | 25°58 | 10°26 | 22°45 | 11°28 | 12°39 | 28° 7 | 10°18 | F 21 |
| S 22 | 16 21 45 | 6°11'09 | 18° 5 | 0♊13 | 24°29 | 25°52 | 11°48 | 9°19 | 25°56 | 10°24 | 22°46 | 11°D28 | 12°36 | 28°13 | 10°20 | S 22 |
| S 23 | 16 25 41 | 7° 8'27 | 2♍15 | 2°22 | 25°42 | 26°22 | 11°49 | 9°24 | 25°53 | 10°23 | 22°47 | 11°R28 | 12°33 | 28°20 | 10°22 | S 23 |
| M24 | 16 29 38 | 8° 5'44 | 16°22 | 4°33 | 26°56 | 26°52 | 11°49 | 9°29 | 25°51 | 10°22 | 22°49 | 11°28 | 12°29 | 28°27 | 10°25 | M24 |
| T 25 | 16 33 34 | 9° 3'00 | 0♎26 | 6°44 | 28° 9 | 27°22 | 11°R49 | 9°34 | 25°48 | 10°20 | 22°50 | 11°26 | 12°26 | 28°33 | 10°27 | T 25 |
| W26 | 16 37 31 | 10° 0'15 | 14°26 | 8°56 | 29°23 | 27°53 | 11°49 | 9°39 | 25°46 | 10°19 | 22°51 | 11°22 | 12°23 | 28°40 | 10°29 | W26 |
| T 27 | 16 41 27 | 10°57'30 | 28°19 | 11° 8 | 0♊36 | 28°23 | 11°49 | 9°44 | 25°44 | 10°17 | 22°53 | 11°16 | 12°20 | 28°47 | 10°31 | T 27 |
| F 28 | 16 45 24 | 11°54'43 | 12♏ 3 | 13°19 | 1°49 | 28°54 | 11°48 | 9°49 | 25°41 | 10°16 | 22°54 | 11° 7 | 12°17 | 28°53 | 10°33 | F 28 |
| S 29 | 16 49 21 | 12°51'56 | 25°35 | 15°31 | 3° 3 | 29°25 | 11°47 | 9°54 | 25°39 | 10°15 | 22°55 | 10°58 | 12°14 | 29° 0 | 10°35 | S 29 |
| S 30 | 16 53 17 | 13°49'08 | 8♐53 | 17°41 | 4°16 | 29°56 | 11°47 | 9°58 | 25°37 | 10°13 | 22°57 | 10°48 | 12°10 | 29° 7 | 10°37 | S 30 |
| M31 | 16 57 14 | 14♊46'20 | 21♐54 | 19♊51 | 5♊30 | 0♍27 | 11♒46 | 10♈ 3 | 25♏34 | 10♏12 | 22♉58 | 10♌40 | 12♌ 7 | 29♒13 | 10♈39 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n43 | 12s 3 | 5n 0 | 6n 0 | 2s55 | 9n50 | 1s22 | 17n46 | 1n46 | 18s12 | 0s39 | 0n48 | 2s16 | 19s21 | 0n11 | 13s23 | 1n53 | 6n28 | 12s21 | 16n50 | 16n47 | 13s58 | 5n52 | 2n19 |
| S 2 | 17 0 | 15 35 | 4 48 | 6 35 | 2 51 | 10 17 | 1 21 | 17 37 | 1 45 | 18 11 | 0 39 | 0 51 | 2 16 | 19 20 | 0 11 | 13 22 | 1 53 | 6 28 | 12 21 | 16 54 | 16 48 | 13 57 | 5 53 | 2 19 |
| M 3 | 17 16 | 18 13 | 4 20 | 7 12 | 2 46 | 10 44 | 1 19 | 17 27 | 1 43 | 18 10 | 0 40 | 0 53 | 2 16 | 19 20 | 0 11 | 13 22 | 1 53 | 6 29 | 12 21 | 16 57 | 16 49 | 13 55 | 5 54 | 2 19 |
| T 4 | 17 32 | 19 51 | 3 39 | 7 50 | 2 41 | 11 10 | 1 18 | 17 18 | 1 42 | 18 9 | 0 40 | 0 55 | 2 17 | 19 19 | 0 11 | 13 21 | 1 53 | 6 29 | 12 21 | 16 59 | 16 50 | 13 54 | 5 55 | 2 19 |
| W 5 | 17 48 | 20 26 | 2 49 | 8 28 | 2 35 | 11 37 | 1 16 | 17 8 | 1 41 | 18 8 | 0 40 | 0 58 | 2 17 | 19 18 | 0 11 | 13 21 | 1 53 | 6 30 | 12 21 | 17 1 | 16 51 | 13 52 | 5 56 | 2 19 |
| T 6 | 18 3 | 20 1 | 1 51 | 9 8 | 2 28 | 12 3 | 1 15 | 16 59 | 1 39 | 18 8 | 0 40 | 1 0 | 2 17 | 19 18 | 0 11 | 13 21 | 1 53 | 6 30 | 12 21 | 17 2 | 16 52 | 13 51 | 5 58 | 2 19 |
| F 7 | 18 18 | 18 40 | 0 50 | 9 48 | 2 22 | 12 29 | 1 13 | 16 49 | 1 38 | 18 7 | 0 41 | 1 2 | 2 17 | 19 17 | 0 11 | 13 20 | 1 53 | 6 30 | 12 21 | 17 3 | 16 53 | 13 49 | 5 59 | 2 19 |
| S 8 | 18 33 | 16 31 | 0s13 | 10 29 | 2 14 | 12 54 | 1 12 | 16 39 | 1 36 | 18 6 | 0 41 | 1 5 | 2 17 | 19 17 | 0 11 | 13 20 | 1 53 | 6 31 | 12 21 | 17 3 | 16 54 | 13 48 | 6 0 | 2 19 |
| S 9 | 18 48 | 13 42 | 1 15 | 11 11 | 2 6 | 13 19 | 1 10 | 16 29 | 1 35 | 18 6 | 0 41 | 1 7 | 2 17 | 19 16 | 0 11 | 13 19 | 1 53 | 6 31 | 12 21 | 17 3 | 16 54 | 13 46 | 6 1 | 2 19 |
| M10 | 19 2 | 10 19 | 2 14 | 11 53 | 1 58 | 13 44 | 1 8 | 16 19 | 1 34 | 18 5 | 0 41 | 1 9 | 2 18 | 19 16 | 0 11 | 13 19 | 1 53 | 6 31 | 12 21 | 17 3 | 16 55 | 13 45 | 6 2 | 2 19 |
| T 11 | 19 16 | 6 30 | 3 8 | 12 36 | 1 50 | 14 9 | 1 7 | 16 9 | 1 32 | 18 5 | 0 42 | 1 11 | 2 18 | 19 15 | 0 11 | 13 18 | 1 53 | 6 32 | 12 21 | 17 3 | 16 56 | 13 43 | 6 3 | 2 19 |
| W12 | 19 29 | 2 22 | 3 53 | 13 20 | 1 40 | 14 33 | 1 5 | 15 59 | 1 31 | 18 4 | 0 42 | 1 14 | 2 18 | 19 14 | 0 11 | 13 18 | 1 53 | 6 32 | 12 21 | 17 5 | 16 57 | 13 42 | 6 4 | 2 19 |
| T 13 | 19 43 | 1n56 | 4 29 | 14 3 | 1 31 | 14 57 | 1 3 | 15 49 | 1 29 | 18 4 | 0 42 | 1 16 | 2 18 | 19 14 | 0 11 | 13 17 | 1 53 | 6 32 | 12 21 | 17 7 | 16 58 | 13 40 | 6 6 | 2 19 |
| F 14 | 19 55 | 6 16 | 4 53 | 14 47 | 1 21 | 15 21 | 1 1 | 15 38 | 1 28 | 18 3 | 0 42 | 1 18 | 2 18 | 19 13 | 0 11 | 13 17 | 1 53 | 6 33 | 12 21 | 17 10 | 16 59 | 13 39 | 6 7 | 2 19 |
| S 15 | 20 8 | 10 24 | 5 2 | 15 30 | 1 11 | 15 44 | 0 59 | 15 28 | 1 27 | 18 3 | 0 43 | 1 20 | 2 18 | 19 13 | 0 11 | 13 16 | 1 53 | 6 33 | 12 21 | 17 13 | 17 0 | 13 37 | 6 8 | 2 19 |
| S 16 | 20 20 | 14 9 | 4 55 | 16 14 | 1 1 | 16 7 | 0 57 | 15 17 | 1 26 | 18 3 | 0 43 | 1 22 | 2 19 | 19 12 | 0 11 | 13 16 | 1 53 | 6 33 | 12 21 | 17 16 | 17 1 | 13 36 | 6 9 | 2 19 |
| M17 | 20 32 | 17 15 | 4 32 | 16 57 | 0 50 | 16 29 | 0 55 | 15 6 | 1 24 | 18 3 | 0 43 | 1 24 | 2 19 | 19 12 | 0 11 | 13 15 | 1 53 | 6 34 | 12 21 | 17 19 | 17 2 | 13 34 | 6 10 | 2 19 |
| T 18 | 20 44 | 19 25 | 3 52 | 17 40 | 0 39 | 16 51 | 0 53 | 14 55 | 1 23 | 18 2 | 0 43 | 1 26 | 2 19 | 19 11 | 0 11 | 13 15 | 1 53 | 6 34 | 12 21 | 17 22 | 17 3 | 13 33 | 6 11 | 2 19 |
| W19 | 20 55 | 20 27 | 2 58 | 18 22 | 0 29 | 17 13 | 0 51 | 14 44 | 1 22 | 18 2 | 0 44 | 1 28 | 2 19 | 19 10 | 0 11 | 13 15 | 1 53 | 6 34 | 12 21 | 17 24 | 17 4 | 13 31 | 6 12 | 2 19 |
| T 20 | 21 6 | 20 13 | 1 53 | 19 3 | 0 18 | 17 34 | 0 49 | 14 33 | 1 20 | 18 2 | 0 44 | 1 30 | 2 19 | 19 10 | 0 11 | 13 14 | 1 53 | 6 35 | 12 21 | 17 25 | 17 4 | 13 30 | 6 13 | 2 19 |
| F 21 | 21 16 | 18 43 | 0 40 | 19 42 | 0 7 | 17 55 | 0 47 | 14 22 | 1 19 | 18 2 | 0 44 | 1 32 | 2 20 | 19 9 | 0 11 | 13 14 | 1 53 | 6 35 | 12 21 | 17 25 | 17 5 | 13 28 | 6 14 | 2 19 |
| S 22 | 21 26 | 16 2 | 0n35 | 20 21 | 0n 4 | 18 15 | 0 45 | 14 11 | 1 18 | 18 2 | 0 44 | 1 34 | 2 20 | 19 9 | 0 11 | 13 13 | 1 53 | 6 35 | 12 21 | 17 25 | 17 6 | 13 27 | 6 15 | 2 20 |
| S 23 | 21 36 | 12 25 | 1 49 | 20 58 | 0 15 | 18 35 | 0 43 | 13 59 | 1 17 | 18 2 | 0 45 | 1 36 | 2 20 | 19 8 | 0 11 | 13 13 | 1 53 | 6 35 | 12 21 | 17 25 | 17 7 | 13 25 | 6 16 | 2 20 |
| M24 | 21 45 | 8 5 | 2 55 | 21 33 | 0 25 | 18 54 | 0 41 | 13 48 | 1 15 | 18 3 | 0 45 | 1 38 | 2 20 | 19 8 | 0 11 | 13 12 | 1 53 | 6 36 | 12 21 | 17 25 | 17 8 | 13 24 | 6 17 | 2 20 |
| T 25 | 21 54 | 3 21 | 3 51 | 22 7 | 0 35 | 19 13 | 0 38 | 13 36 | 1 14 | 18 3 | 0 45 | 1 39 | 2 21 | 19 7 | 0 11 | 13 12 | 1 53 | 6 36 | 12 21 | 17 26 | 17 9 | 13 22 | 6 18 | 2 20 |
| W26 | 22 3 | 1s32 | 4 32 | 22 38 | 0 45 | 19 31 | 0 36 | 13 24 | 1 13 | 18 3 | 0 45 | 1 41 | 2 21 | 19 7 | 0 11 | 13 12 | 1 53 | 6 36 | 12 21 | 17 27 | 17 10 | 13 21 | 6 19 | 2 20 |
| T 27 | 22 11 | 6 18 | 4 57 | 23 6 | 0 54 | 19 49 | 0 34 | 13 13 | 1 12 | 18 3 | 0 46 | 1 43 | 2 21 | 19 6 | 0 11 | 13 11 | 1 53 | 6 37 | 12 21 | 17 29 | 17 11 | 13 19 | 6 19 | 2 20 |
| F 28 | 22 19 | 10 41 | 5 5 | 23 33 | 1 3 | 20 6 | 0 32 | 13 1 | 1 11 | 18 4 | 0 46 | 1 45 | 2 21 | 19 5 | 0 11 | 13 11 | 1 53 | 6 37 | 12 21 | 17 31 | 17 12 | 13 18 | 6 20 | 2 20 |
| S 29 | 22 27 | 14 28 | 4 55 | 23 56 | 1 11 | 20 23 | 0 29 | 12 49 | 1 9 | 18 4 | 0 46 | 1 46 | 2 21 | 19 5 | 0 11 | 13 10 | 1 53 | 6 37 | 12 21 | 17 34 | 17 12 | 13 16 | 6 21 | 2 20 |
| S 30 | 22 34 | 17 27 | 4 29 | 24 17 | 1 19 | 20 39 | 0 27 | 12 37 | 1 8 | 18 5 | 0 46 | 1 48 | 2 22 | 19 4 | 0 11 | 13 10 | 1 53 | 6 37 | 12 21 | 17 36 | 17 13 | 13 15 | 6 22 | 2 20 |
| M31 | 22n40 | 19s28 | 3n50 | 24n35 | 1n26 | 20n55 | 0s25 | 12n24 | 1n 7 | 18s 5 | 0s47 | 1n49 | 2s22 | 19s 4 | 0n11 | 13s10 | 1n53 | 6n38 | 12s21 | 17n38 | 17n14 | 13s13 | 6n23 | 2n20 |

Julian Day Number = 2138658.5, Delta T = 15m36s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'48, Lahiri = 11°54'48 Julian Calendar 1 May 1143 == Greg. Calendar 8 May 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## JUNE 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 1 10 | 15♊43'32 | 4♉39 | 22♊ 0 | 6♊43 | 0♍59 | 11°R44 | 10♈ 8 | 25°R32 | 10°R11 | 22♉59 | 10°R33 | 12♌ 4 | 29♒20 | 10♈41 | T 1 |
| W 2 | 17 5 7 | 16°40'43 | 17° 7 | 24° 7 | 7°57 | 1°31 | 11♒43 | 10°12 | 25♏30 | 10♏10 | 23° 0 | 10♌28 | 12° 1 | 29°27 | 10°43 | W 2 |
| T 3 | 17 9 3 | 17°37'54 | 29°21 | 26°13 | 9°10 | 2° 2 | 11°41 | 10°16 | 25°28 | 10° 9 | 23° 2 | 10°25 | 11°58 | 29°33 | 10°45 | T 3 |
| F 4 | 17 13 0 | 18°35'04 | 11♒22 | 28°17 | 10°24 | 2°34 | 11°39 | 10°21 | 25°25 | 10° 7 | 23° 3 | 10°D25 | 11°55 | 29°40 | 10°47 | F 4 |
| S 5 | 17 16 56 | 19°32'15 | 23°15 | 0♋19 | 11°37 | 3° 6 | 11°37 | 10°25 | 25°23 | 10° 6 | 23° 4 | 10°25 | 11°51 | 29°47 | 10°49 | S 5 |
| S 6 | 17 20 53 | 20°29'25 | 5♓ 4 | 2°20 | 12°51 | 3°38 | 11°35 | 10°29 | 25°21 | 10° 5 | 23° 5 | 10°27 | 11°48 | 29°53 | 10°50 | S 6 |
| M 7 | 17 24 50 | 21°26'35 | 16°54 | 4°18 | 14° 4 | 4°11 | 11°33 | 10°33 | 25°19 | 10° 4 | 23° 7 | 10°R27 | 11°45 | 29°59 | 10°52 | M 7 |
| T 8 | 17 28 46 | 22°23'46 | 28°50 | 6°15 | 15°18 | 4°43 | 11°30 | 10°37 | 25°17 | 10° 3 | 23° 8 | 10°27 | 11°42 | 0♓ 6 | 10°54 | T 8 |
| W 9 | 17 32 43 | 23°20'56 | 10♈58 | 8° 9 | 16°31 | 5°16 | 11°28 | 10°41 | 25°15 | 10° 2 | 23° 9 | 10°26 | 11°39 | 0°13 | 10°55 | W 9 |
| T 10 | 17 36 39 | 24°18'07 | 23°22 | 10° 2 | 17°45 | 5°48 | 11°25 | 10°45 | 25°13 | 10° 1 | 23°10 | 10°22 | 11°35 | 0°20 | 10°57 | T 10 |
| F 11 | 17 40 36 | 25°15'17 | 6♉ 6 | 11°52 | 18°59 | 6°21 | 11°22 | 10°49 | 25°10 | 10° 0 | 23°11 | 10°17 | 11°32 | 0°26 | 10°58 | F 11 |
| S 12 | 17 44 32 | 26°12'28 | 19°12 | 13°41 | 20°12 | 6°54 | 11°18 | 10°52 | 25° 8 | 9°59 | 23°13 | 10°10 | 11°29 | 0°33 | 11° 0 | S 12 |
| S 13 | 17 48 29 | 27° 9'39 | 2♊41 | 15°27 | 21°26 | 7°27 | 11°15 | 10°56 | 25° 6 | 9°58 | 23°14 | 10° 3 | 11°26 | 0°40 | 11° 1 | S 13 |
| M14 | 17 52 25 | 28° 6'50 | 16°32 | 17°11 | 22°40 | 8° 1 | 11°11 | 11° 0 | 25° 5 | 9°57 | 23°15 | 9°57 | 11°23 | 0°46 | 11° 2 | M14 |
| T 15 | 17 56 22 | 29° 4'01 | 0♋42 | 18°53 | 23°53 | 8°34 | 11° 7 | 11° 3 | 25° 3 | 9°56 | 23°16 | 9°51 | 11°20 | 0°53 | 11° 4 | T 15 |
| W16 | 18 0 19 | 0♋ 1'12 | 15° 5 | 20°33 | 25° 7 | 9° 8 | 11° 3 | 11° 6 | 25° 1 | 9°55 | 23°17 | 9°47 | 11°16 | 1° 0 | 11° 5 | W16 |
| T 17 | 18 4 15 | 0°58'24 | 29°36 | 22°11 | 26°21 | 9°41 | 10°59 | 11° 9 | 24°59 | 9°54 | 23°18 | 9°45 | 11°13 | 1° 6 | 11° 6 | T 17 |
| F 18 | 18 8 12 | 1°55'35 | 14♌10 | 23°47 | 27°34 | 10°15 | 10°55 | 11°13 | 24°57 | 9°53 | 23°19 | 9°D45 | 11°10 | 1°13 | 11° 7 | F 18 |
| S 19 | 18 12 8 | 2°52'45 | 28°40 | 25°20 | 28°48 | 10°49 | 10°50 | 11°16 | 24°55 | 9°52 | 23°21 | 9°46 | 11° 7 | 1°20 | 11° 8 | S 19 |
| S 20 | 18 16 5 | 3°49'56 | 13♍ 3 | 26°52 | 0♋ 2 | 11°23 | 10°46 | 11°18 | 24°54 | 9°51 | 23°22 | 9°47 | 11° 4 | 1°26 | 11° 9 | S 20 |
| M21 | 18 20 1 | 4°47'07 | 27°16 | 28°21 | 1°15 | 11°57 | 10°41 | 11°21 | 24°52 | 9°51 | 23°23 | 9°48 | 11° 1 | 1°33 | 11°10 | M21 |
| T 22 | 18 23 58 | 5°44'17 | 11♎18 | 29°48 | 2°29 | 12°31 | 10°36 | 11°24 | 24°50 | 9°50 | 23°24 | 9°R48 | 10°57 | 1°40 | 11°11 | T 22 |
| W23 | 18 27 55 | 6°41'28 | 25° 7 | 1♌13 | 3°43 | 13° 6 | 10°31 | 11°27 | 24°48 | 9°49 | 23°25 | 9°47 | 10°54 | 1°46 | 11°12 | W23 |
| T 24 | 18 31 51 | 7°38'38 | 8♏42 | 2°35 | 4°57 | 13°40 | 10°25 | 11°29 | 24°47 | 9°48 | 23°26 | 9°44 | 10°51 | 1°53 | 11°13 | T 24 |
| F 25 | 18 35 48 | 8°35'49 | 22° 5 | 3°56 | 6°10 | 14°15 | 10°20 | 11°32 | 24°45 | 9°48 | 23°27 | 9°40 | 10°48 | 2° 0 | 11°14 | F 25 |
| S 26 | 18 39 44 | 9°33'00 | 5♐13 | 5°14 | 7°24 | 14°50 | 10°14 | 11°34 | 24°44 | 9°47 | 23°28 | 9°36 | 10°45 | 2° 6 | 11°14 | S 26 |
| S 27 | 18 43 41 | 10°30'11 | 18° 8 | 6°29 | 8°38 | 15°24 | 10° 9 | 11°36 | 24°42 | 9°47 | 23°29 | 9°31 | 10°41 | 2°13 | 11°15 | S 27 |
| M28 | 18 47 37 | 11°27'22 | 0♑49 | 7°42 | 9°52 | 15°59 | 10° 3 | 11°39 | 24°41 | 9°46 | 23°30 | 9°27 | 10°38 | 2°20 | 11°16 | M28 |
| T 29 | 18 51 34 | 12°24'34 | 13°17 | 8°53 | 11° 6 | 16°34 | 9°57 | 11°41 | 24°39 | 9°45 | 23°31 | 9°24 | 10°35 | 2°26 | 11°16 | T 29 |
| W30 | 18 55 30 | 13♋21'47 | 25♑32 | 10♌ 1 | 12♋19 | 17♍10 | 9♒51 | 11♈43 | 24♏38 | 9♏45 | 23♉32 | 9♌22 | 10♌32 | 2♓33 | 11♈17 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n47 | 20s28 | 3n 0 | 24n50 | 1n32 | 21n10 | 0s22 | 12n12 | 1n 6 | 18s 6 | 0s47 | 1n51 | 2s22 | 19s 3 | 0n11 | 13s 9 | 1n53 | 6n38 | 12s21 | 17n40 | 17n15 | 13s11 | 6n24 | 2n20 |
| W 2 | 22 53 | 20 26 | 2 2 | 25 3 | 1 38 | 21 24 | 0 20 | 12 0 | 1 5 | 18 6 | 0 47 | 1 53 | 2 22 | 19 3 | 0 11 | 13 9 | 1 53 | 6 38 | 12 21 | 17 42 | 17 16 | 13 10 | 6 24 | 2 20 |
| T 3 | 22 58 | 19 25 | 0 59 | 25 12 | 1 43 | 21 38 | 0 18 | 11 47 | 1 4 | 18 7 | 0 47 | 1 54 | 2 23 | 19 2 | 0 11 | 13 9 | 1 53 | 6 38 | 12 21 | 17 42 | 17 17 | 13 8 | 6 25 | 2 20 |
| F 4 | 23 3 | 17 32 | 0s 5 | 25 19 | 1 47 | 21 52 | 0 15 | 11 35 | 1 2 | 18 8 | 0 48 | 1 56 | 2 23 | 19 2 | 0 11 | 13 8 | 1 53 | 6 39 | 12 22 | 17 43 | 17 18 | 13 7 | 6 26 | 2 20 |
| S 5 | 23 8 | 14 55 | 1 9 | 25 23 | 1 50 | 22 4 | 0 13 | 11 22 | 1 1 | 18 9 | 0 48 | 1 57 | 2 23 | 19 1 | 0 11 | 13 8 | 1 53 | 6 39 | 12 22 | 17 42 | 17 19 | 13 5 | 6 27 | 2 20 |
| S 6 | 23 12 | 11 42 | 2 9 | 25 25 | 1 53 | 22 16 | 0 10 | 11 9 | 1 0 | 18 10 | 0 48 | 1 58 | 2 23 | 19 1 | 0 11 | 13 8 | 1 52 | 6 39 | 12 22 | 17 42 | 17 20 | 13 4 | 6 27 | 2 20 |
| M 7 | 23 16 | 8 1 | 3 4 | 25 24 | 1 55 | 22 28 | 0 8 | 10 56 | 0 59 | 18 10 | 0 49 | 2 0 | 2 24 | 19 0 | 0 11 | 13 7 | 1 52 | 6 39 | 12 22 | 17 42 | 17 20 | 13 2 | 6 28 | 2 20 |
| T 8 | 23 20 | 4 0 | 3 52 | 25 20 | 1 57 | 22 38 | 0 6 | 10 43 | 0 58 | 18 11 | 0 49 | 2 1 | 2 24 | 19 0 | 0 11 | 13 7 | 1 52 | 6 39 | 12 22 | 17 42 | 17 21 | 13 0 | 6 29 | 2 20 |
| W 9 | 23 23 | 0n14 | 4 29 | 25 15 | 1 57 | 22 49 | 0 3 | 10 30 | 0 57 | 18 12 | 0 49 | 2 2 | 2 24 | 18 59 | 0 11 | 13 7 | 1 52 | 6 40 | 12 22 | 17 42 | 17 22 | 12 59 | 6 30 | 2 20 |
| T 10 | 23 26 | 4 32 | 4 56 | 25 7 | 1 57 | 22 58 | 0 1 | 10 17 | 0 56 | 18 13 | 0 49 | 2 4 | 2 24 | 18 59 | 0 11 | 13 6 | 1 52 | 6 40 | 12 22 | 17 43 | 17 23 | 12 57 | 6 30 | 2 20 |
| F 11 | 23 28 | 8 46 | 5 8 | 24 57 | 1 56 | 23 7 | 0n 2 | 10 4 | 0 55 | 18 15 | 0 50 | 2 5 | 2 25 | 18 58 | 0 11 | 13 6 | 1 52 | 6 40 | 12 22 | 17 45 | 17 24 | 12 56 | 6 31 | 2 21 |
| S 12 | 23 30 | 12 42 | 5 5 | 24 45 | 1 55 | 23 15 | 0 4 | 9 51 | 0 54 | 18 16 | 0 50 | 2 6 | 2 25 | 18 58 | 0 11 | 13 6 | 1 52 | 6 40 | 12 22 | 17 46 | 17 25 | 12 54 | 6 31 | 2 21 |
| S 13 | 23 31 | 16 7 | 4 46 | 24 31 | 1 53 | 23 23 | 0 6 | 9 37 | 0 53 | 18 17 | 0 50 | 2 7 | 2 25 | 18 57 | 0 11 | 13 6 | 1 52 | 6 40 | 12 22 | 17 48 | 17 26 | 12 53 | 6 32 | 2 21 |
| M14 | 23 32 | 18 44 | 4 9 | 24 15 | 1 50 | 23 29 | 0 9 | 9 24 | 0 52 | 18 18 | 0 50 | 2 8 | 2 25 | 18 57 | 0 11 | 13 5 | 1 52 | 6 40 | 12 22 | 17 50 | 17 27 | 12 51 | 6 33 | 2 21 |
| T 15 | 23 33 | 20 17 | 3 16 | 23 58 | 1 47 | 23 36 | 0 11 | 9 10 | 0 51 | 18 20 | 0 51 | 2 10 | 2 26 | 18 56 | 0 11 | 13 5 | 1 52 | 6 41 | 12 23 | 17 52 | 17 28 | 12 49 | 6 33 | 2 21 |
| W16 | 23 33 | 20 32 | 2 10 | 23 40 | 1 43 | 23 41 | 0 14 | 8 57 | 0 49 | 18 21 | 0 51 | 2 11 | 2 26 | 18 56 | 0 11 | 13 5 | 1 52 | 6 41 | 12 23 | 17 53 | 17 28 | 12 48 | 6 34 | 2 21 |
| T 17 | 23 33 | 19 26 | 0 55 | 23 20 | 1 38 | 23 46 | 0 16 | 8 43 | 0 48 | 18 22 | 0 51 | 2 12 | 2 26 | 18 56 | 0 11 | 13 5 | 1 52 | 6 41 | 12 23 | 17 53 | 17 29 | 12 46 | 6 34 | 2 21 |
| F 18 | 23 32 | 17 2 | 0n24 | 22 58 | 1 33 | 23 50 | 0 18 | 8 29 | 0 47 | 18 24 | 0 51 | 2 13 | 2 26 | 18 55 | 0 11 | 13 4 | 1 52 | 6 41 | 12 23 | 17 53 | 17 30 | 12 45 | 6 35 | 2 21 |
| S 19 | 23 31 | 13 34 | 1 41 | 22 36 | 1 28 | 23 53 | 0 21 | 8 16 | 0 46 | 18 25 | 0 52 | 2 14 | 2 27 | 18 55 | 0 11 | 13 4 | 1 52 | 6 41 | 12 23 | 17 53 | 17 31 | 12 43 | 6 35 | 2 21 |
| S 20 | 23 30 | 9 20 | 2 52 | 22 13 | 1 21 | 23 56 | 0 23 | 8 2 | 0 45 | 18 27 | 0 52 | 2 14 | 2 27 | 18 54 | 0 11 | 13 4 | 1 52 | 6 41 | 12 23 | 17 53 | 17 32 | 12 41 | 6 36 | 2 21 |
| M21 | 23 28 | 4 37 | 3 51 | 21 48 | 1 15 | 23 58 | 0 25 | 7 48 | 0 44 | 18 28 | 0 52 | 2 15 | 2 27 | 18 54 | 0 11 | 13 4 | 1 52 | 6 41 | 12 23 | 17 52 | 17 33 | 12 40 | 6 36 | 2 21 |
| T 22 | 23 25 | 0s17 | 4 35 | 21 23 | 1 8 | 23 59 | 0 27 | 7 33 | 0 43 | 18 30 | 0 52 | 2 16 | 2 27 | 18 53 | 0 11 | 13 4 | 1 52 | 6 42 | 12 24 | 17 52 | 17 34 | 12 38 | 6 37 | 2 21 |
| W23 | 23 23 | 5 4 | 5 2 | 20 57 | 1 0 | 23 59 | 0 30 | 7 19 | 0 42 | 18 31 | 0 52 | 2 17 | 2 28 | 18 53 | 0 11 | 13 4 | 1 52 | 6 42 | 12 24 | 17 53 | 17 35 | 12 36 | 6 37 | 2 21 |
| T 24 | 23 20 | 9 32 | 5 12 | 20 31 | 0 52 | 23 59 | 0 32 | 7 5 | 0 41 | 18 33 | 0 53 | 2 18 | 2 28 | 18 53 | 0 11 | 13 3 | 1 52 | 6 42 | 12 24 | 17 54 | 17 35 | 12 35 | 6 37 | 2 21 |
| F 25 | 23 16 | 13 27 | 5 5 | 20 4 | 0 43 | 23 58 | 0 34 | 6 51 | 0 40 | 18 35 | 0 53 | 2 18 | 2 28 | 18 52 | 0 11 | 13 3 | 1 52 | 6 42 | 12 24 | 17 55 | 17 36 | 12 33 | 6 38 | 2 21 |
| S 26 | 23 12 | 16 39 | 4 42 | 19 36 | 0 34 | 23 57 | 0 36 | 6 36 | 0 39 | 18 37 | 0 53 | 2 19 | 2 29 | 18 52 | 0 11 | 13 3 | 1 51 | 6 42 | 12 24 | 17 56 | 17 37 | 12 32 | 6 38 | 2 22 |
| S 27 | 23 8 | 18 57 | 4 5 | 19 8 | 0 25 | 23 54 | 0 38 | 6 22 | 0 38 | 18 38 | 0 53 | 2 20 | 2 29 | 18 52 | 0 11 | 13 3 | 1 51 | 6 42 | 12 24 | 17 57 | 17 38 | 12 30 | 6 38 | 2 22 |
| M28 | 23 3 | 20 17 | 3 16 | 18 40 | 0 15 | 23 51 | 0 40 | 6 7 | 0 37 | 18 40 | 0 54 | 2 20 | 2 29 | 18 51 | 0 11 | 13 3 | 1 51 | 6 42 | 12 24 | 17 58 | 17 39 | 12 28 | 6 39 | 2 22 |
| T 29 | 22 58 | 20 35 | 2 18 | 18 12 | 0 5 | 23 47 | 0 42 | 5 53 | 0 36 | 18 42 | 0 54 | 2 21 | 2 29 | 18 51 | 0 11 | 13 3 | 1 51 | 6 42 | 12 25 | 17 59 | 17 40 | 12 27 | 6 39 | 2 22 |
| W30 | 22n52 | 19s54 | 1n15 | 17n44 | 0s 5 | 23n43 | 0n44 | 5n38 | 0n35 | 18s44 | 0s54 | 2n21 | 2s30 | 18s51 | 0n11 | 13s 3 | 1n51 | 6n42 | 12s25 | 18n 0 | 17n41 | 12s25 | 6n39 | 2n22 |

Julian Day Number = 2138689.5, Delta T = 15m35s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'52, Lahiri = 11°54'52 Julian Calendar 1 June 1143 == Greg. Calendar 8 June 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## JULY 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 59 27 | 14♋18'59 | 7♒37 | 11♌ 7 | 13♋33 | 17♍45 | 9°R45 | 11♈44 | 24°R37 | 9°R44 | 23♉33 | 9°D21 | 10♌29 | 2♓40 | 11♈17 | T 1 |
| F 2 | 19 3 24 | 15°16'13 | 19°34 | 12° 9 | 14°47 | 18°20 | 9♒38 | 11°46 | 24♏36 | 9♏44 | 23°34 | 9♌21 | 10°26 | 2°46 | 11°18 | F 2 |
| S 3 | 19 7 20 | 16°13'27 | 1♓24 | 13° 9 | 16° 1 | 18°56 | 9°32 | 11°48 | 24°34 | 9°44 | 23°34 | 9°22 | 10°22 | 2°53 | 11°18 | S 3 |
| S 4 | 19 11 17 | 17°10'42 | 13°13 | 14° 6 | 17°15 | 19°31 | 9°25 | 11°49 | 24°33 | 9°43 | 23°35 | 9°24 | 10°19 | 3° 0 | 11°18 | S 4 |
| M 5 | 19 15 13 | 18° 7'58 | 25° 3 | 15° 0 | 18°29 | 20° 7 | 9°18 | 11°51 | 24°32 | 9°43 | 23°36 | 9°26 | 10°16 | 3° 6 | 11°19 | M 5 |
| T 6 | 19 19 10 | 19° 5'14 | 6♈59 | 15°51 | 19°43 | 20°43 | 9°12 | 11°52 | 24°31 | 9°42 | 23°37 | 9°27 | 10°13 | 3°13 | 11°19 | T 6 |
| W 7 | 19 23 6 | 20° 2'32 | 19° 6 | 16°38 | 20°57 | 21°19 | 9° 5 | 11°54 | 24°30 | 9°42 | 23°38 | 9°R27 | 10°10 | 3°19 | 11°19 | W 7 |
| T 8 | 19 27 3 | 20°59'51 | 1♉29 | 17°22 | 22°11 | 21°55 | 8°58 | 11°55 | 24°29 | 9°42 | 23°39 | 9°27 | 10° 7 | 3°26 | 11°19 | T 8 |
| F 9 | 19 30 59 | 21°57'11 | 14°12 | 18° 2 | 23°25 | 22°31 | 8°51 | 11°56 | 24°28 | 9°42 | 23°40 | 9°26 | 10° 3 | 3°33 | 11°R19 | F 9 |
| S 10 | 19 34 56 | 22°54'31 | 27°18 | 18°39 | 24°38 | 23° 7 | 8°43 | 11°57 | 24°27 | 9°41 | 23°40 | 9°24 | 10° 0 | 3°39 | 11°19 | S 10 |
| S 11 | 19 38 53 | 23°51'53 | 10♊49 | 19°11 | 25°52 | 23°43 | 8°36 | 11°58 | 24°26 | 9°41 | 23°41 | 9°22 | 9°57 | 3°46 | 11°19 | S 11 |
| M12 | 19 42 49 | 24°49'16 | 24°46 | 19°39 | 27° 7 | 24°20 | 8°29 | 11°58 | 24°25 | 9°41 | 23°42 | 9°20 | 9°54 | 3°53 | 11°19 | M12 |
| T 13 | 19 46 46 | 25°46'41 | 9♋ 6 | 20° 3 | 28°21 | 24°56 | 8°21 | 11°59 | 24°24 | 9°41 | 23°43 | 9°19 | 9°51 | 3°59 | 11°19 | T 13 |
| W14 | 19 50 42 | 26°44'06 | 23°46 | 20°23 | 29°35 | 25°33 | 8°14 | 11°59 | 24°24 | 9°41 | 23°43 | 9°18 | 9°47 | 4° 6 | 11°18 | W14 |
| T 15 | 19 54 39 | 27°41'32 | 8♌37 | 20°37 | 0♌49 | 26°10 | 8° 6 | 12° 0 | 24°23 | 9°41 | 23°44 | 9°D17 | 9°44 | 4°13 | 11°18 | T 15 |
| F 16 | 19 58 35 | 28°38'59 | 23°34 | 20°47 | 2° 3 | 26°47 | 7°59 | 12° 0 | 24°22 | 9°D41 | 23°45 | 9°17 | 9°41 | 4°19 | 11°18 | F 16 |
| S 17 | 20 2 32 | 29°36'27 | 8♍27 | 20°R52 | 3°17 | 27°24 | 7°51 | 12° 0 | 24°22 | 9°41 | 23°45 | 9°18 | 9°38 | 4°26 | 11°17 | S 17 |
| S 18 | 20 6 28 | 0♌33'55 | 23°10 | 20°52 | 4°31 | 28° 1 | 7°43 | 12° 1 | 24°21 | 9°41 | 23°46 | 9°19 | 9°35 | 4°33 | 11°17 | S 18 |
| M19 | 20 10 25 | 1°31'25 | 7♎38 | 20°46 | 5°45 | 28°38 | 7°36 | 12°R 1 | 24°21 | 9°41 | 23°47 | 9°20 | 9°32 | 4°39 | 11°16 | M19 |
| T 20 | 20 14 22 | 2°28'55 | 21°47 | 20°35 | 6°59 | 29°15 | 7°28 | 12° 1 | 24°20 | 9°41 | 23°47 | 9°20 | 9°28 | 4°46 | 11°16 | T 20 |
| W21 | 20 18 18 | 3°26'26 | 5♏35 | 20°19 | 8°13 | 29°52 | 7°20 | 12° 0 | 24°20 | 9°41 | 23°48 | 9°R20 | 9°25 | 4°53 | 11°15 | W21 |
| T 22 | 20 22 15 | 4°23'58 | 19° 3 | 19°57 | 9°27 | 0♎30 | 7°12 | 12° 0 | 24°20 | 9°41 | 23°48 | 9°20 | 9°22 | 4°59 | 11°14 | T 22 |
| F 23 | 20 26 11 | 5°21'31 | 2♐12 | 19°30 | 10°41 | 1° 7 | 7° 4 | 12° 0 | 24°19 | 9°42 | 23°49 | 9°20 | 9°19 | 5° 6 | 11°14 | F 23 |
| S 24 | 20 30 8 | 6°19'04 | 15° 4 | 18°58 | 11°56 | 1°45 | 6°57 | 11°59 | 24°19 | 9°42 | 23°49 | 9°19 | 9°16 | 5°13 | 11°13 | S 24 |
| S 25 | 20 34 4 | 7°16'39 | 27°40 | 18°22 | 13°10 | 2°22 | 6°49 | 11°58 | 24°19 | 9°42 | 23°50 | 9°19 | 9°13 | 5°19 | 11°12 | S 25 |
| M26 | 20 38 1 | 8°14'15 | 10♑ 3 | 17°41 | 14°24 | 3° 0 | 6°41 | 11°58 | 24°19 | 9°42 | 23°50 | 9°19 | 9° 9 | 5°26 | 11°11 | M26 |
| T 27 | 20 41 57 | 9°11'52 | 22°16 | 16°56 | 15°38 | 3°38 | 6°33 | 11°57 | 24°19 | 9°43 | 23°51 | 9°D19 | 9° 6 | 5°33 | 11°10 | T 27 |
| W28 | 20 45 54 | 10° 9'31 | 4♒19 | 16° 9 | 16°52 | 4°16 | 6°25 | 11°56 | 24°D19 | 9°43 | 23°51 | 9°R19 | 9° 3 | 5°39 | 11° 9 | W28 |
| T 29 | 20 49 51 | 11° 7'10 | 16°15 | 15°19 | 18° 6 | 4°54 | 6°17 | 11°55 | 24°19 | 9°44 | 23°52 | 9°19 | 9° 0 | 5°46 | 11° 8 | T 29 |
| F 30 | 20 53 47 | 12° 4'51 | 28° 7 | 14°28 | 19°21 | 5°32 | 6°10 | 11°54 | 24°19 | 9°44 | 23°52 | 9°19 | 8°57 | 5°53 | 11° 7 | F 30 |
| S 31 | 20 57 44 | 13♌ 2'34 | 9♓55 | 13♌36 | 20♌35 | 6♎10 | 6♒ 2 | 11♈53 | 24♏19 | 9♏44 | 23♉53 | 9♌18 | 8♌53 | 5♓59 | 11♈ 6 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n47 | 18s18 | 0n10 | 17n16 | 0s16 | 23n38 | 0n46 | 5n24 | 0n34 | 18s46 | 0s54 | 2n22 | 2s30 | 18s50 | 0n11 | 13s 2 | 1n51 | 6n42 | 12s25 | 18n 0 | 17n41 | 12s23 | 6n39 | 2n22 |
| F 2 | 22 40 | 15 54 | 0s56 | 16 48 | 0 27 | 23 32 | 0 48 | 5 9 | 0 34 | 18 48 | 0 54 | 2 22 | 2 30 | 18 50 | 0 10 | 13 2 | 1 51 | 6 42 | 12 25 | 18 0 | 17 42 | 12 22 | 6 40 | 2 22 |
| S 3 | 22 33 | 12 52 | 1 59 | 16 20 | 0 39 | 23 25 | 0 50 | 4 54 | 0 33 | 18 50 | 0 55 | 2 23 | 2 31 | 18 50 | 0 10 | 13 2 | 1 51 | 6 42 | 12 25 | 17 59 | 17 43 | 12 20 | 6 40 | 2 22 |
| S 4 | 22 26 | 9 20 | 2 56 | 15 52 | 0 50 | 23 18 | 0 52 | 4 39 | 0 32 | 18 52 | 0 55 | 2 23 | 2 31 | 18 50 | 0 10 | 13 2 | 1 51 | 6 42 | 12 25 | 17 59 | 17 44 | 12 18 | 6 40 | 2 22 |
| M 5 | 22 19 | 5 26 | 3 46 | 15 25 | 1 2 | 23 10 | 0 54 | 4 24 | 0 31 | 18 54 | 0 55 | 2 23 | 2 31 | 18 49 | 0 10 | 13 2 | 1 51 | 6 42 | 12 26 | 17 59 | 17 45 | 12 17 | 6 40 | 2 22 |
| T 6 | 22 11 | 1 18 | 4 27 | 14 58 | 1 15 | 23 1 | 0 56 | 4 9 | 0 30 | 18 56 | 0 55 | 2 24 | 2 31 | 18 49 | 0 10 | 13 2 | 1 51 | 6 42 | 12 26 | 17 58 | 17 46 | 12 15 | 6 40 | 2 22 |
| W 7 | 22 3 | 2n56 | 4 57 | 14 32 | 1 27 | 22 52 | 0 58 | 3 54 | 0 29 | 18 58 | 0 56 | 2 24 | 2 32 | 18 49 | 0 10 | 13 2 | 1 51 | 6 42 | 12 26 | 17 58 | 17 47 | 12 13 | 6 40 | 2 22 |
| T 8 | 21 54 | 7 9 | 5 13 | 14 7 | 1 40 | 22 41 | 0 59 | 3 39 | 0 28 | 19 0 | 0 56 | 2 24 | 2 32 | 18 49 | 0 10 | 13 2 | 1 51 | 6 43 | 12 26 | 17 58 | 17 48 | 12 12 | 6 41 | 2 22 |
| F 9 | 21 45 | 11 9 | 5 15 | 13 43 | 1 52 | 22 31 | 1 1 | 3 24 | 0 27 | 19 2 | 0 56 | 2 24 | 2 32 | 18 48 | 0 10 | 13 2 | 1 51 | 6 43 | 12 26 | 17 58 | 17 48 | 12 10 | 6 41 | 2 22 |
| S 10 | 21 36 | 14 46 | 5 1 | 13 20 | 2 5 | 22 19 | 1 3 | 3 9 | 0 26 | 19 4 | 0 56 | 2 24 | 2 33 | 18 48 | 0 10 | 13 2 | 1 51 | 6 43 | 12 26 | 17 59 | 17 49 | 12 8 | 6 41 | 2 22 |
| S 11 | 21 26 | 17 43 | 4 30 | 12 57 | 2 18 | 22 7 | 1 4 | 2 53 | 0 25 | 19 6 | 0 56 | 2 24 | 2 33 | 18 48 | 0 10 | 13 2 | 1 51 | 6 43 | 12 27 | 17 59 | 17 50 | 12 7 | 6 41 | 2 23 |
| M12 | 21 16 | 19 44 | 3 42 | 12 36 | 2 31 | 21 55 | 1 6 | 2 38 | 0 24 | 19 8 | 0 56 | 2 24 | 2 33 | 18 48 | 0 10 | 13 2 | 1 51 | 6 42 | 12 27 | 18 0 | 17 51 | 12 5 | 6 41 | 2 23 |
| T 13 | 21 5 | 20 35 | 2 40 | 12 17 | 2 44 | 21 41 | 1 7 | 2 23 | 0 23 | 19 10 | 0 57 | 2 24 | 2 33 | 18 48 | 0 10 | 13 2 | 1 50 | 6 42 | 12 27 | 18 0 | 17 52 | 12 3 | 6 41 | 2 23 |
| W14 | 20 54 | 20 3 | 1 25 | 11 58 | 2 56 | 21 27 | 1 9 | 2 7 | 0 22 | 19 12 | 0 57 | 2 24 | 2 34 | 18 47 | 0 10 | 13 2 | 1 50 | 6 42 | 12 27 | 18 1 | 17 53 | 12 2 | 6 41 | 2 23 |
| T 15 | 20 43 | 18 8 | 0 4 | 11 42 | 3 9 | 21 13 | 1 10 | 1 52 | 0 22 | 19 14 | 0 57 | 2 24 | 2 34 | 18 47 | 0 10 | 13 2 | 1 50 | 6 42 | 12 27 | 18 1 | 17 54 | 12 0 | 6 41 | 2 23 |
| F 16 | 20 31 | 14 58 | 1n18 | 11 27 | 3 21 | 20 57 | 1 12 | 1 36 | 0 21 | 19 17 | 0 57 | 2 24 | 2 34 | 18 47 | 0 10 | 13 2 | 1 50 | 6 42 | 12 28 | 18 1 | 17 54 | 11 58 | 6 41 | 2 23 |
| S 17 | 20 20 | 10 50 | 2 35 | 11 14 | 3 33 | 20 42 | 1 13 | 1 21 | 0 20 | 19 19 | 0 57 | 2 24 | 2 35 | 18 47 | 0 10 | 13 2 | 1 50 | 6 42 | 12 28 | 18 1 | 17 55 | 11 56 | 6 40 | 2 23 |
| S 18 | 20 7 | 6 5 | 3 40 | 11 4 | 3 44 | 20 25 | 1 14 | 1 5 | 0 19 | 19 21 | 0 57 | 2 24 | 2 35 | 18 47 | 0 10 | 13 2 | 1 50 | 6 42 | 12 28 | 18 0 | 17 56 | 11 55 | 6 40 | 2 23 |
| M19 | 19 55 | 1 6 | 4 30 | 10 55 | 3 55 | 20 8 | 1 15 | 0 49 | 0 18 | 19 23 | 0 58 | 2 23 | 2 35 | 18 47 | 0 10 | 13 2 | 1 50 | 6 42 | 12 28 | 18 0 | 17 57 | 11 53 | 6 40 | 2 23 |
| T 20 | 19 42 | 3s51 | 5 3 | 10 49 | 4 5 | 19 50 | 1 16 | 0 34 | 0 17 | 19 25 | 0 58 | 2 23 | 2 35 | 18 47 | 0 10 | 13 2 | 1 50 | 6 42 | 12 28 | 18 0 | 17 58 | 11 51 | 6 40 | 2 23 |
| W21 | 19 28 | 8 28 | 5 17 | 10 45 | 4 14 | 19 32 | 1 17 | 0 18 | 0 16 | 19 27 | 0 58 | 2 23 | 2 36 | 18 47 | 0 10 | 13 3 | 1 50 | 6 42 | 12 29 | 18 0 | 17 59 | 11 50 | 6 40 | 2 23 |
| T 22 | 19 15 | 12 33 | 5 13 | 10 44 | 4 23 | 19 14 | 1 18 | 0 2 | 0 15 | 19 29 | 0 58 | 2 22 | 2 36 | 18 47 | 0 10 | 13 3 | 1 50 | 6 42 | 12 29 | 18 0 | 17 59 | 11 48 | 6 40 | 2 23 |
| F 23 | 19 1 | 15 55 | 4 53 | 10 46 | 4 30 | 18 54 | 1 19 | 0s13 | 0 15 | 19 32 | 0 58 | 2 22 | 2 36 | 18 46 | 0 10 | 13 3 | 1 50 | 6 42 | 12 29 | 18 0 | 18 0 | 11 46 | 6 39 | 2 23 |
| S 24 | 18 47 | 18 26 | 4 18 | 10 50 | 4 36 | 18 35 | 1 20 | 0 29 | 0 14 | 19 34 | 0 58 | 2 22 | 2 37 | 18 46 | 0 10 | 13 3 | 1 50 | 6 42 | 12 29 | 18 0 | 18 1 | 11 44 | 6 39 | 2 23 |
| S 25 | 18 32 | 20 0 | 3 31 | 10 56 | 4 41 | 18 14 | 1 21 | 0 45 | 0 13 | 19 36 | 0 58 | 2 21 | 2 37 | 18 46 | 0 10 | 13 3 | 1 50 | 6 42 | 12 30 | 18 0 | 18 2 | 11 43 | 6 39 | 2 23 |
| M26 | 18 17 | 20 35 | 2 36 | 11 6 | 4 44 | 17 53 | 1 22 | 1 1 | 0 12 | 19 38 | 0 59 | 2 20 | 2 37 | 18 46 | 0 10 | 13 3 | 1 50 | 6 42 | 12 30 | 18 0 | 18 3 | 11 41 | 6 39 | 2 23 |
| T 27 | 18 2 | 20 10 | 1 33 | 11 18 | 4 45 | 17 32 | 1 22 | 1 17 | 0 11 | 19 40 | 0 59 | 2 20 | 2 37 | 18 46 | 0 10 | 13 3 | 1 50 | 6 42 | 12 30 | 18 0 | 18 4 | 11 39 | 6 38 | 2 23 |
| W28 | 17 47 | 18 49 | 0 28 | 11 32 | 4 45 | 17 10 | 1 23 | 1 33 | 0 10 | 19 42 | 0 59 | 2 19 | 2 38 | 18 46 | 0 10 | 13 4 | 1 50 | 6 41 | 12 30 | 18 0 | 18 5 | 11 37 | 6 38 | 2 24 |
| T 29 | 17 31 | 16 39 | 0s38 | 11 49 | 4 43 | 16 48 | 1 24 | 1 49 | 0 10 | 19 44 | 0 59 | 2 19 | 2 38 | 18 46 | 0 10 | 13 4 | 1 49 | 6 41 | 12 30 | 18 0 | 18 5 | 11 36 | 6 38 | 2 24 |
| F 30 | 17 15 | 13 47 | 1 43 | 12 7 | 4 39 | 16 25 | 1 24 | 2 5 | 0 9 | 19 46 | 0 59 | 2 18 | 2 38 | 18 46 | 0 10 | 13 4 | 1 49 | 6 41 | 12 31 | 18 0 | 18 6 | 11 34 | 6 37 | 2 24 |
| S 31 | 16n59 | 10s23 | 2s42 | 12n28 | 4s33 | 16n 2 | 1n25 | 2s20 | 0n 8 | 19s48 | 0s59 | 2n17 | 2s38 | 18s47 | 0n10 | 13s 4 | 1n49 | 6n41 | 12s31 | 18n 1 | 18n 7 | 11s32 | 6n37 | 2n24 |

Julian Day Number = 2138719.5, Delta T = 15m35s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°47'56, Lahiri = 11°54'56 Julian Calendar 1 July 1143 == Greg. Calendar 8 July 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## AUGUST 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 1 40 | 14♌ 0'18 | 21♓44 | 12°R45 | 21♌49 | 6♎49 | 5°R54 | 11°R51 | 24♏19 | 9♏45 | 23♉53 | 9°R18 | 8♌50 | 6♓ 6 | 11°R 5 | S 1 |
| M 2 | 21 5 37 | 14°58'03 | 3♈36 | 11♌55 | 23° 3 | 7°27 | 5♒47 | 11♈50 | 24°19 | 9°45 | 23°53 | 9♌17 | 8°47 | 6°13 | 11♈ 4 | M 2 |
| T 3 | 21 9 33 | 15°55'50 | 15°33 | 11° 8 | 24°18 | 8° 6 | 5°39 | 11°48 | 24°20 | 9°46 | 23°54 | 9°16 | 8°44 | 6°19 | 11° 3 | T 3 |
| W 4 | 21 13 30 | 16°53'39 | 27°41 | 10°25 | 25°32 | 8°44 | 5°31 | 11°47 | 24°20 | 9°47 | 23°54 | 9°16 | 8°41 | 6°26 | 11° 1 | W 4 |
| T 5 | 21 17 26 | 17°51'30 | 10♉ 2 | 9°46 | 26°46 | 9°23 | 5°24 | 11°45 | 24°20 | 9°47 | 23°54 | 9°15 | 8°38 | 6°33 | 11° 0 | T 5 |
| F 6 | 21 21 23 | 18°49'22 | 22°41 | 9°13 | 28° 0 | 10° 2 | 5°16 | 11°43 | 24°21 | 9°48 | 23°54 | 9°D15 | 8°34 | 6°39 | 10°58 | F 6 |
| S 7 | 21 25 20 | 19°47'17 | 5♊42 | 8°46 | 29°15 | 10°40 | 5° 9 | 11°41 | 24°21 | 9°49 | 23°55 | 9°15 | 8°31 | 6°46 | 10°57 | S 7 |
| S 8 | 21 29 16 | 20°45'13 | 19° 7 | 8°26 | 0♍29 | 11°19 | 5° 2 | 11°39 | 24°22 | 9°49 | 23°55 | 9°16 | 8°28 | 6°53 | 10°55 | S 8 |
| M 9 | 21 33 13 | 21°43'11 | 2♋59 | 8°13 | 1°43 | 11°58 | 4°55 | 11°37 | 24°22 | 9°50 | 23°55 | 9°17 | 8°25 | 6°59 | 10°54 | M 9 |
| T 10 | 21 37 9 | 22°41'11 | 17°18 | 8°D 9 | 2°57 | 12°38 | 4°47 | 11°35 | 24°23 | 9°51 | 23°55 | 9°18 | 8°22 | 7° 6 | 10°52 | T 10 |
| W11 | 21 41 6 | 23°39'13 | 1♌59 | 8°12 | 4°12 | 13°17 | 4°40 | 11°33 | 24°24 | 9°52 | 23°55 | 9°R19 | 8°19 | 7°13 | 10°51 | W11 |
| T 12 | 21 45 2 | 24°37'17 | 16°59 | 8°23 | 5°26 | 13°56 | 4°33 | 11°30 | 24°24 | 9°53 | 23°56 | 9°19 | 8°15 | 7°19 | 10°49 | T 12 |
| F 13 | 21 48 59 | 25°35'22 | 2♍ 9 | 8°43 | 6°40 | 14°35 | 4°27 | 11°28 | 24°25 | 9°53 | 23°56 | 9°18 | 8°12 | 7°26 | 10°47 | F 13 |
| S 14 | 21 52 55 | 26°33'29 | 17°20 | 9°12 | 7°55 | 15°15 | 4°20 | 11°25 | 24°26 | 9°54 | 23°56 | 9°16 | 8° 9 | 7°33 | 10°45 | S 14 |
| S 15 | 21 56 52 | 27°31'37 | 2♎22 | 9°48 | 9° 9 | 15°54 | 4°13 | 11°23 | 24°27 | 9°55 | 23°56 | 9°14 | 8° 6 | 7°39 | 10°44 | S 15 |
| M16 | 22 0 49 | 28°29'47 | 17° 7 | 10°33 | 10°23 | 16°34 | 4° 7 | 11°20 | 24°28 | 9°56 | 23°56 | 9°12 | 8° 3 | 7°46 | 10°42 | M16 |
| T 17 | 22 4 45 | 29°27'59 | 1♏29 | 11°25 | 11°38 | 17°14 | 4° 0 | 11°17 | 24°29 | 9°57 | 23°56 | 9° 9 | 7°59 | 7°53 | 10°40 | T 17 |
| W18 | 22 8 42 | 0♍26'12 | 15°25 | 12°25 | 12°52 | 17°54 | 3°54 | 11°14 | 24°30 | 9°58 | 23°R56 | 9° 8 | 7°56 | 7°59 | 10°38 | W18 |
| T 19 | 22 12 38 | 1°24'27 | 28°54 | 13°31 | 14° 6 | 18°33 | 3°48 | 11°11 | 24°31 | 9°59 | 23°56 | 9°D 7 | 7°53 | 8° 6 | 10°36 | T 19 |
| F 20 | 22 16 35 | 2°22'43 | 11♐59 | 14°44 | 15°21 | 19°13 | 3°42 | 11° 8 | 24°32 | 10° 0 | 23°56 | 9° 8 | 7°50 | 8°13 | 10°34 | F 20 |
| S 21 | 22 20 31 | 3°21'01 | 24°43 | 16° 4 | 16°35 | 19°53 | 3°36 | 11° 5 | 24°33 | 10° 1 | 23°56 | 9° 9 | 7°47 | 8°19 | 10°32 | S 21 |
| S 22 | 22 24 28 | 4°19'20 | 7♑ 8 | 17°28 | 17°49 | 20°34 | 3°30 | 11° 1 | 24°35 | 10° 3 | 23°56 | 9°10 | 7°44 | 8°26 | 10°30 | S 22 |
| M23 | 22 28 24 | 5°17'41 | 19°19 | 18°58 | 19° 4 | 21°14 | 3°25 | 10°58 | 24°36 | 10° 4 | 23°56 | 9°12 | 7°40 | 8°33 | 10°28 | M23 |
| T 24 | 22 32 21 | 6°16'04 | 1♒20 | 20°31 | 20°18 | 21°54 | 3°19 | 10°55 | 24°37 | 10° 5 | 23°56 | 9°13 | 7°37 | 8°39 | 10°26 | T 24 |
| W25 | 22 36 18 | 7°14'28 | 13°15 | 22° 9 | 21°33 | 22°34 | 3°14 | 10°51 | 24°39 | 10° 6 | 23°56 | 9°R13 | 7°34 | 8°46 | 10°23 | W25 |
| T 26 | 22 40 14 | 8°12'55 | 25° 5 | 23°50 | 22°47 | 23°15 | 3° 9 | 10°48 | 24°40 | 10° 8 | 23°55 | 9°12 | 7°31 | 8°53 | 10°21 | T 26 |
| F 27 | 22 44 11 | 9°11'23 | 6♓54 | 25°34 | 24° 1 | 23°55 | 3° 4 | 10°44 | 24°42 | 10° 9 | 23°55 | 9° 9 | 7°28 | 8°59 | 10°19 | F 27 |
| S 28 | 22 48 7 | 10° 9'52 | 18°43 | 27°20 | 25°16 | 24°36 | 2°59 | 10°40 | 24°43 | 10°10 | 23°55 | 9° 5 | 7°24 | 9° 6 | 10°17 | S 28 |
| S 29 | 22 52 4 | 11° 8'24 | 0♈35 | 29° 7 | 26°30 | 25°17 | 2°55 | 10°36 | 24°45 | 10°11 | 23°55 | 9° 0 | 7°21 | 9°13 | 10°14 | S 29 |
| M30 | 22 56 0 | 12° 6'58 | 12°32 | 0♍56 | 27°44 | 25°57 | 2°50 | 10°33 | 24°47 | 10°13 | 23°55 | 8°54 | 7°18 | 9°19 | 10°12 | M30 |
| T 31 | 22 59 57 | 13♍ 5'34 | 24♈35 | 2♍47 | 28♍59 | 26♎38 | 2♒46 | 10♈29 | 24♏48 | 10♏14 | 23♉54 | 8♌48 | 7♌15 | 9♓26 | 10♈ 9 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 16n42 | 6s34 | 3s35 | 12n49 | 4s25 | 15n38 | 1n25 | 2s36 | 0n 7 | 19s50 | 0s59 | 2n16 | 2s39 | 18s47 | 0n10 | 13s 4 | 1n49 | 6n41 | 12s31 | 18n 1 | 18n 8 | 11s30 | 6n36 | 2n24 | |
| M 2 | 16 25 | 2 31 | 4 18 | 13 12 | 4 15 | 15 14 | 1 25 | 2 52 | 0 6 | 19 52 | 0 59 | 2 16 | 2 39 | 18 47 | 0 10 | 13 5 | 1 49 | 6 41 | 12 31 | 18 1 | 18 9 | 11 29 | 6 36 | 2 24 | |
| T 3 | 16 8 | 1n41 | 4 51 | 13 36 | 4 4 | 14 50 | 1 26 | 3 8 | 0 5 | 19 54 | 0 59 | 2 15 | 2 39 | 18 47 | 0 10 | 13 5 | 1 49 | 6 41 | 12 32 | 18 1 | 18 10 | 11 27 | 6 36 | 2 24 | |
| W 4 | 15 51 | 5 51 | 5 11 | 14 0 | 3 51 | 14 25 | 1 26 | 3 24 | 0 5 | 19 56 | 0 59 | 2 14 | 2 39 | 18 47 | 0 10 | 13 5 | 1 49 | 6 41 | 12 32 | 18 1 | 18 10 | 11 25 | 6 35 | 2 24 | |
| T 5 | 15 33 | 9 52 | 5 17 | 14 24 | 3 37 | 14 0 | 1 26 | 3 40 | 0 4 | 19 58 | 0 59 | 2 13 | 2 40 | 18 47 | 0 10 | 13 5 | 1 49 | 6 40 | 12 32 | 18 1 | 18 11 | 11 23 | 6 35 | 2 24 | |
| F 6 | 15 15 | 13 33 | 5 9 | 14 48 | 3 21 | 13 34 | 1 26 | 3 57 | 0 3 | 20 0 | 1 0 | 2 12 | 2 40 | 18 47 | 0 10 | 13 6 | 1 49 | 6 40 | 12 32 | 18 1 | 18 12 | 11 22 | 6 34 | 2 24 | |
| S 7 | 14 57 | 16 41 | 4 44 | 15 11 | 3 5 | 13 8 | 1 26 | 4 13 | 0 2 | 20 2 | 1 0 | 2 11 | 2 40 | 18 47 | 0 10 | 13 6 | 1 49 | 6 40 | 12 32 | 18 1 | 18 13 | 11 20 | 6 33 | 2 24 | |
| S 8 | 14 38 | 19 3 | 4 4 | 15 33 | 2 47 | 12 41 | 1 26 | 4 29 | 0 1 | 20 4 | 1 0 | 2 10 | 2 41 | 18 47 | 0 10 | 13 6 | 1 49 | 6 40 | 12 33 | 18 1 | 18 14 | 11 18 | 6 33 | 2 24 | |
| M 9 | 14 20 | 20 23 | 3 8 | 15 53 | 2 30 | 12 15 | 1 26 | 4 45 | 0 1 | 20 5 | 1 0 | 2 9 | 2 41 | 18 48 | 0 10 | 13 7 | 1 49 | 6 40 | 12 33 | 18 1 | 18 15 | 11 16 | 6 32 | 2 24 | |
| T 10 | 14 1 | 20 27 | 1 59 | 16 12 | 2 11 | 11 48 | 1 26 | 5 1 | 0s 0 | 20 7 | 1 0 | 2 8 | 2 41 | 18 48 | 0 10 | 13 7 | 1 49 | 6 40 | 12 33 | 18 1 | 18 15 | 11 15 | 6 32 | 2 24 | |
| W11 | 13 42 | 19 9 | 0 40 | 16 29 | 1 53 | 11 20 | 1 25 | 5 17 | 0 1 | 20 9 | 1 0 | 2 7 | 2 41 | 18 48 | 0 10 | 13 7 | 1 49 | 6 39 | 12 33 | 18 0 | 18 16 | 11 13 | 6 31 | 2 24 | |
| T 12 | 13 22 | 16 29 | 0n42 | 16 44 | 1 35 | 10 53 | 1 25 | 5 33 | 0 2 | 20 11 | 1 0 | 2 6 | 2 41 | 18 48 | 0 10 | 13 7 | 1 49 | 6 39 | 12 34 | 18 0 | 18 17 | 11 11 | 6 30 | 2 24 | |
| F 13 | 13 3 | 12 40 | 2 3 | 16 56 | 1 17 | 10 25 | 1 25 | 5 49 | 0 2 | 20 12 | 1 0 | 2 4 | 2 42 | 18 48 | 0 10 | 13 8 | 1 49 | 6 39 | 12 34 | 18 1 | 18 18 | 11 9 | 6 30 | 2 24 | |
| S 14 | 12 43 | 8 1 | 3 15 | 17 6 | 0 59 | 9 56 | 1 24 | 6 5 | 0 3 | 20 14 | 1 0 | 2 3 | 2 42 | 18 49 | 0 10 | 13 8 | 1 48 | 6 39 | 12 34 | 18 1 | 18 19 | 11 7 | 6 29 | 2 24 | |
| S 15 | 12 23 | 2 55 | 4 13 | 17 12 | 0 42 | 9 28 | 1 24 | 6 21 | 0 4 | 20 16 | 1 0 | 2 2 | 2 42 | 18 49 | 0 10 | 13 8 | 1 48 | 6 39 | 12 34 | 18 2 | 18 20 | 11 6 | 6 28 | 2 24 | |
| M16 | 12 3 | 2s15 | 4 53 | 17 16 | 0 25 | 8 59 | 1 23 | 6 37 | 0 5 | 20 17 | 1 0 | 2 1 | 2 42 | 18 49 | 0 10 | 13 9 | 1 48 | 6 38 | 12 35 | 18 2 | 18 20 | 11 4 | 6 28 | 2 24 | |
| T 17 | 11 43 | 7 9 | 5 13 | 17 17 | 0 9 | 8 30 | 1 22 | 6 53 | 0 5 | 20 19 | 1 0 | 1 59 | 2 43 | 18 49 | 0 10 | 13 9 | 1 48 | 6 38 | 12 35 | 18 3 | 18 21 | 11 2 | 6 27 | 2 24 | |
| W18 | 11 22 | 11 32 | 5 14 | 17 15 | 0n 6 | 8 1 | 1 22 | 7 9 | 0 6 | 20 20 | 1 0 | 1 58 | 2 43 | 18 50 | 0 10 | 13 10 | 1 48 | 6 38 | 12 35 | 18 3 | 18 22 | 11 0 | 6 26 | 2 24 | |
| T 19 | 11 1 | 15 10 | 4 57 | 17 10 | 0 20 | 7 31 | 1 21 | 7 25 | 0 7 | 20 22 | 1 0 | 1 57 | 2 43 | 18 50 | 0 10 | 13 10 | 1 48 | 6 38 | 12 35 | 18 3 | 18 23 | 10 58 | 6 26 | 2 24 | |
| F 20 | 10 40 | 17 57 | 4 25 | 17 1 | 0 33 | 7 2 | 1 20 | 7 41 | 0 8 | 20 23 | 1 0 | 1 55 | 2 43 | 18 50 | 0 10 | 13 10 | 1 48 | 6 37 | 12 35 | 18 3 | 18 24 | 10 57 | 6 25 | 2 24 | |
| S 21 | 10 19 | 19 46 | 3 41 | 16 49 | 0 45 | 6 32 | 1 19 | 7 57 | 0 8 | 20 25 | 1 0 | 1 54 | 2 44 | 18 50 | 0 10 | 13 11 | 1 48 | 6 37 | 12 36 | 18 3 | 18 24 | 10 55 | 6 24 | 2 24 | |
| S 22 | 9 58 | 20 34 | 2 48 | 16 34 | 0 56 | 6 2 | 1 18 | 8 12 | 0 9 | 20 26 | 1 0 | 1 52 | 2 44 | 18 51 | 0 10 | 13 11 | 1 48 | 6 37 | 12 36 | 18 3 | 18 25 | 10 53 | 6 23 | 2 24 | |
| M23 | 9 37 | 20 23 | 1 47 | 16 15 | 1 6 | 5 32 | 1 17 | 8 28 | 0 10 | 20 27 | 1 0 | 1 51 | 2 44 | 18 51 | 0 10 | 13 12 | 1 48 | 6 37 | 12 36 | 18 2 | 18 26 | 10 51 | 6 22 | 2 24 | |
| T 24 | 9 15 | 19 15 | 0 43 | 15 54 | 1 15 | 5 1 | 1 16 | 8 44 | 0 11 | 20 29 | 1 0 | 1 49 | 2 44 | 18 51 | 0 10 | 13 12 | 1 48 | 6 36 | 12 36 | 18 2 | 18 27 | 10 49 | 6 21 | 2 24 | |
| W25 | 8 53 | 17 16 | 0s22 | 15 30 | 1 23 | 4 31 | 1 15 | 9 0 | 0 11 | 20 30 | 1 0 | 1 48 | 2 44 | 18 52 | 0 10 | 13 12 | 1 48 | 6 36 | 12 37 | 18 2 | 18 28 | 10 48 | 6 21 | 2 24 | |
| T 26 | 8 32 | 14 34 | 1 26 | 15 3 | 1 30 | 4 0 | 1 13 | 9 16 | 0 12 | 20 31 | 1 0 | 1 46 | 2 44 | 18 52 | 0 9 | 13 13 | 1 48 | 6 36 | 12 37 | 18 2 | 18 29 | 10 46 | 6 20 | 2 24 | |
| F 27 | 8 10 | 11 17 | 2 26 | 14 33 | 1 35 | 3 29 | 1 12 | 9 31 | 0 13 | 20 32 | 1 0 | 1 45 | 2 45 | 18 53 | 0 9 | 13 13 | 1 48 | 6 36 | 12 37 | 18 3 | 18 29 | 10 44 | 6 19 | 2 24 | |
| S 28 | 7 47 | 7 32 | 3 20 | 14 1 | 1 40 | 2 58 | 1 11 | 9 47 | 0 14 | 20 33 | 1 0 | 1 43 | 2 45 | 18 53 | 0 9 | 13 14 | 1 48 | 6 35 | 12 37 | 18 4 | 18 30 | 10 42 | 6 18 | 2 24 | |
| S 29 | 7 25 | 3 30 | 4 5 | 13 27 | 1 44 | 2 28 | 1 9 | 10 3 | 0 14 | 20 34 | 1 0 | 1 41 | 2 45 | 18 53 | 0 9 | 13 14 | 1 48 | 6 35 | 12 37 | 18 5 | 18 31 | 10 40 | 6 17 | 2 24 | |
| M30 | 7 3 | 0n41 | 4 39 | 12 51 | 1 47 | 1 57 | 1 8 | 10 18 | 0 15 | 20 35 | 1 0 | 1 40 | 2 45 | 18 54 | 0 9 | 13 15 | 1 48 | 6 35 | 12 38 | 18 7 | 18 32 | 10 38 | 6 16 | 2 24 | |
| T 31 | 6n40 | 4n53 | 5s 2 | 12n13 | 1n49 | 1n25 | 1n 6 | 10s34 | 0s16 | 20s36 | 1s 0 | 1n38 | 2s45 | 18s54 | 0n 9 | 13s15 | 1n48 | 6n35 | 12s38 | 18n 8 | 18n33 | 10s37 | 6n15 | 2n24 | |

Julian Day Number = 2138750.5, Delta T = 15m35s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'00, Lahiri = 11°55'01 Julian Calendar 1 Aug. 1143 == Greg. Calendar 8 Aug. 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## SEPTEMBER 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 3 53 | 14♍ 4'12 | 6♉47 | 4♍37 | 0♎13 | 27♎19 | 2°R42 | 10°R25 | 24♏50 | 10♏16 | 23°R54 | 8°R43 | 7♌12 | 9♓33 | 10°R 7 | W 1 |
| T 2 | 23 7 50 | 15° 2'53 | 19°11 | 6°29 | 1°27 | 28° 0 | 2♒38 | 10♈21 | 24°52 | 10°17 | 23♉54 | 8♌39 | 7° 9 | 9°39 | 10♈ 5 | T 2 |
| F 3 | 23 11 46 | 16° 1'36 | 1♊50 | 8°20 | 2°42 | 28°41 | 2°34 | 10°17 | 24°54 | 10°19 | 23°53 | 8°36 | 7° 5 | 9°46 | 10° 2 | F 3 |
| S 4 | 23 15 43 | 17° 0'21 | 14°46 | 10°12 | 3°56 | 29°22 | 2°30 | 10°13 | 24°55 | 10°20 | 23°53 | 8°D35 | 7° 2 | 9°53 | 10° 0 | S 4 |
| S 5 | 23 19 40 | 17°59'08 | 28° 3 | 12° 3 | 5°10 | 0♏ 4 | 2°27 | 10° 8 | 24°57 | 10°22 | 23°53 | 8°35 | 6°59 | 9°59 | 9°57 | S 5 |
| M 6 | 23 23 36 | 18°57'50 | 11♋45 | 13°54 | 6°25 | 0°45 | 2°24 | 10° 4 | 24°59 | 10°23 | 23°52 | 8°36 | 6°56 | 10° 6 | 9°55 | M 6 |
| T 7 | 23 27 33 | 19°56'50 | 25°51 | 15°44 | 7°39 | 1°26 | 2°21 | 10° 0 | 25° 1 | 10°25 | 23°52 | 8°38 | 6°53 | 10°13 | 9°52 | T 7 |
| W 8 | 23 31 29 | 20°55'44 | 10♌22 | 17°34 | 8°53 | 2° 8 | 2°18 | 9°55 | 25° 3 | 10°26 | 23°51 | 8°R38 | 6°50 | 10°19 | 9°49 | W 8 |
| T 9 | 23 35 26 | 21°54'41 | 25°14 | 19°23 | 10° 8 | 2°49 | 2°15 | 9°51 | 25° 5 | 10°28 | 23°51 | 8°37 | 6°46 | 10°26 | 9°47 | T 9 |
| F 10 | 23 39 22 | 22°53'40 | 10♍22 | 21°11 | 11°22 | 3°31 | 2°13 | 9°47 | 25° 8 | 10°30 | 23°51 | 8°34 | 6°43 | 10°33 | 9°44 | F 10 |
| S 11 | 23 43 19 | 23°52'41 | 25°36 | 22°59 | 12°36 | 4°13 | 2°10 | 9°42 | 25°10 | 10°31 | 23°50 | 8°29 | 6°40 | 10°39 | 9°41 | S 11 |
| S 12 | 23 47 15 | 24°51'44 | 10♎46 | 24°46 | 13°51 | 4°54 | 2° 8 | 9°38 | 25°12 | 10°33 | 23°50 | 8°22 | 6°37 | 10°46 | 9°39 | S 12 |
| M13 | 23 51 12 | 25°50'48 | 25°42 | 26°32 | 15° 5 | 5°36 | 2° 6 | 9°33 | 25°14 | 10°35 | 23°49 | 8°15 | 6°34 | 10°53 | 9°36 | M13 |
| T 14 | 23 55 9 | 26°49'55 | 10♏15 | 28°17 | 16°19 | 6°18 | 2° 5 | 9°28 | 25°17 | 10°36 | 23°49 | 8° 8 | 6°30 | 10°59 | 9°33 | T 14 |
| W15 | 23 59 5 | 27°49'04 | 24°21 | 0♎ 2 | 17°34 | 7° 0 | 2° 3 | 9°24 | 25°19 | 10°38 | 23°48 | 8° 2 | 6°27 | 11° 6 | 9°31 | W15 |
| T 16 | 0 3 2 | 28°48'15 | 7♐57 | 1°45 | 18°48 | 7°42 | 2° 2 | 9°19 | 25°21 | 10°40 | 23°47 | 7°58 | 6°24 | 11°13 | 9°28 | T 16 |
| F 17 | 0 6 58 | 29°47'27 | 21° 6 | 3°28 | 20° 2 | 8°24 | 2° 1 | 9°15 | 25°24 | 10°42 | 23°47 | 7°56 | 6°21 | 11°19 | 9°25 | F 17 |
| S 18 | 0 10 55 | 0♎46'41 | 3♑49 | 5°10 | 21°17 | 9° 7 | 2° 0 | 9°10 | 25°26 | 10°43 | 23°46 | 7°D55 | 6°18 | 11°26 | 9°22 | S 18 |
| S 19 | 0 14 51 | 1°45'57 | 16°11 | 6°51 | 22°31 | 9°49 | 1°59 | 9° 5 | 25°29 | 10°45 | 23°46 | 7°56 | 6°15 | 11°33 | 9°20 | S 19 |
| M20 | 0 18 48 | 2°45'15 | 28°17 | 8°32 | 23°45 | 10°31 | 1°58 | 9° 0 | 25°31 | 10°47 | 23°45 | 7°57 | 6°11 | 11°39 | 9°17 | M20 |
| T 21 | 0 22 44 | 3°44'35 | 10♒13 | 10°11 | 25° 0 | 11°14 | 1°58 | 8°56 | 25°34 | 10°49 | 23°44 | 7°R57 | 6° 8 | 11°46 | 9°14 | T 21 |
| W22 | 0 26 41 | 4°43'56 | 22° 3 | 11°50 | 26°14 | 11°56 | 1°D58 | 8°51 | 25°36 | 10°51 | 23°44 | 7°56 | 6° 5 | 11°53 | 9°11 | W22 |
| T 23 | 0 30 38 | 5°43'20 | 3♓51 | 13°28 | 27°28 | 12°39 | 1°58 | 8°46 | 25°39 | 10°53 | 23°43 | 7°53 | 6° 2 | 11°59 | 9° 9 | T 23 |
| F 24 | 0 34 34 | 6°42'45 | 15°40 | 15° 6 | 28°42 | 13°22 | 1°58 | 8°41 | 25°42 | 10°55 | 23°42 | 7°47 | 5°59 | 12° 6 | 9° 6 | F 24 |
| S 25 | 0 38 31 | 7°42'12 | 27°33 | 16°42 | 29°57 | 14° 4 | 1°59 | 8°37 | 25°45 | 10°57 | 23°41 | 7°38 | 5°55 | 12°13 | 9° 3 | S 25 |
| S 26 | 0 42 27 | 8°41'42 | 9♈32 | 18°18 | 1♏11 | 14°47 | 2° 0 | 8°32 | 25°47 | 10°59 | 23°41 | 7°28 | 5°52 | 12°19 | 9° 0 | S 26 |
| M27 | 0 46 24 | 9°41'13 | 21°38 | 19°54 | 2°25 | 15°30 | 2° 0 | 8°27 | 25°50 | 11° 1 | 23°40 | 7°16 | 5°49 | 12°26 | 8°57 | M27 |
| T 28 | 0 50 20 | 10°40'46 | 3♉52 | 21°28 | 3°39 | 16°13 | 2° 2 | 8°22 | 25°53 | 11° 3 | 23°39 | 7° 4 | 5°46 | 12°33 | 8°55 | T 28 |
| W29 | 0 54 17 | 11°40'22 | 16°16 | 23° 2 | 4°54 | 16°56 | 2° 3 | 8°17 | 25°56 | 11° 5 | 23°38 | 6°53 | 5°43 | 12°39 | 8°52 | W29 |
| T 30 | 0 58 13 | 12♎40'00 | 28♉50 | 24♎36 | 6♏ 8 | 17♏39 | 2♒ 4 | 8♈13 | 25♏59 | 11♏ 7 | 23♉38 | 6♌44 | 5♌40 | 12♓46 | 8♈49 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n18 | 8n57 | 5s11 | 11n34 | 1n50 | 0n54 | 1n 5 | 10s49 | 0s16 | 20s37 | 1s 0 | 1n36 | 2s46 | 18s55 | 0n 9 | 13s16 | 1n47 | 6n34 | 12s38 | 18n10 | 18n33 | 10s35 | 6n14 | 2n24 |
| T 2 | 5 55 | 12 41 | 5 6 | 10 53 | 1 50 | 0 23 | 1 3 | 11 5 | 0 17 | 20 38 | 1 0 | 1 35 | 2 46 | 18 55 | 0 9 | 13 16 | 1 47 | 6 34 | 12 38 | 18 11 | 18 34 | 10 33 | 6 13 | 2 24 |
| F 3 | 5 32 | 15 57 | 4 46 | 10 11 | 1 50 | 0s 8 | 1 1 | 11 20 | 0 18 | 20 39 | 1 0 | 1 33 | 2 46 | 18 56 | 0 9 | 13 17 | 1 47 | 6 34 | 12 39 | 18 12 | 18 35 | 10 31 | 6 12 | 2 24 |
| S 4 | 5 9 | 18 30 | 4 12 | 9 28 | 1 49 | 0 39 | 1 0 | 11 35 | 0 18 | 20 40 | 1 0 | 1 31 | 2 46 | 18 56 | 0 9 | 13 17 | 1 47 | 6 34 | 12 39 | 18 12 | 18 36 | 10 29 | 6 11 | 2 24 |
| S 5 | 4 46 | 20 9 | 3 23 | 8 44 | 1 47 | 1 11 | 0 58 | 11 51 | 0 19 | 20 40 | 1 0 | 1 29 | 2 46 | 18 57 | 0 9 | 13 18 | 1 47 | 6 33 | 12 39 | 18 12 | 18 37 | 10 27 | 6 10 | 2 24 |
| M 6 | 4 23 | 20 41 | 2 21 | 7 59 | 1 45 | 1 42 | 0 56 | 12 6 | 0 20 | 20 41 | 1 0 | 1 28 | 2 46 | 18 57 | 0 9 | 13 18 | 1 47 | 6 33 | 12 39 | 18 12 | 18 37 | 10 25 | 6 9 | 2 24 |
| T 7 | 4 0 | 19 57 | 1 9 | 7 13 | 1 43 | 2 13 | 0 54 | 12 21 | 0 20 | 20 42 | 1 0 | 1 26 | 2 46 | 18 58 | 0 9 | 13 19 | 1 47 | 6 33 | 12 39 | 18 11 | 18 38 | 10 24 | 6 8 | 2 24 |
| W 8 | 3 37 | 17 52 | 0n 9 | 6 28 | 1 39 | 2 44 | 0 52 | 12 36 | 0 21 | 20 42 | 1 0 | 1 24 | 2 46 | 18 58 | 0 9 | 13 19 | 1 47 | 6 32 | 12 40 | 18 11 | 18 39 | 10 22 | 6 7 | 2 24 |
| T 9 | 3 13 | 14 34 | 1 29 | 5 41 | 1 36 | 3 16 | 0 50 | 12 51 | 0 22 | 20 43 | 1 0 | 1 22 | 2 47 | 18 59 | 0 9 | 13 20 | 1 47 | 6 32 | 12 40 | 18 11 | 18 40 | 10 20 | 6 6 | 2 24 |
| F 10 | 2 50 | 10 14 | 2 43 | 4 55 | 1 32 | 3 47 | 0 48 | 13 6 | 0 23 | 20 44 | 1 0 | 1 20 | 2 47 | 18 59 | 0 9 | 13 21 | 1 47 | 6 32 | 12 40 | 18 12 | 18 41 | 10 18 | 6 5 | 2 24 |
| S 11 | 2 27 | 5 13 | 3 46 | 4 8 | 1 27 | 4 18 | 0 46 | 13 21 | 0 23 | 20 44 | 1 0 | 1 18 | 2 47 | 19 0 | 0 9 | 13 21 | 1 47 | 6 31 | 12 40 | 18 14 | 18 42 | 10 16 | 6 4 | 2 24 |
| S 12 | 2 3 | 0s 5 | 4 33 | 3 21 | 1 23 | 4 49 | 0 44 | 13 35 | 0 24 | 20 44 | 0 59 | 1 17 | 2 47 | 19 0 | 0 9 | 13 22 | 1 47 | 6 31 | 12 40 | 18 15 | 18 42 | 10 14 | 6 3 | 2 24 |
| M13 | 1 39 | 5 18 | 5 1 | 2 34 | 1 18 | 5 20 | 0 42 | 13 50 | 0 24 | 20 45 | 0 59 | 1 15 | 2 47 | 19 1 | 0 9 | 13 22 | 1 47 | 6 31 | 12 41 | 18 17 | 18 43 | 10 12 | 6 2 | 2 24 |
| T 14 | 1 16 | 10 5 | 5 8 | 1 47 | 1 12 | 5 50 | 0 40 | 14 5 | 0 25 | 20 45 | 0 59 | 1 13 | 2 47 | 19 1 | 0 9 | 13 23 | 1 47 | 6 30 | 12 41 | 18 19 | 18 44 | 10 11 | 6 1 | 2 24 |
| W15 | 0 52 | 14 10 | 4 56 | 1 1 | 1 7 | 6 21 | 0 37 | 14 19 | 0 26 | 20 45 | 0 59 | 1 11 | 2 47 | 19 2 | 0 9 | 13 23 | 1 47 | 6 30 | 12 41 | 18 21 | 18 45 | 10 9 | 6 0 | 2 24 |
| T 16 | 0 29 | 17 21 | 4 27 | 0 14 | 1 1 | 6 52 | 0 35 | 14 34 | 0 26 | 20 46 | 0 59 | 1 9 | 2 47 | 19 2 | 0 9 | 13 24 | 1 47 | 6 30 | 12 41 | 18 22 | 18 45 | 10 7 | 5 58 | 2 24 |
| F 17 | 0 5 | 19 30 | 3 45 | 0s32 | 0 55 | 7 22 | 0 33 | 14 48 | 0 27 | 20 46 | 0 59 | 1 7 | 2 47 | 19 3 | 0 9 | 13 25 | 1 47 | 6 30 | 12 41 | 18 22 | 18 46 | 10 5 | 5 57 | 2 24 |
| S 18 | 0s19 | 20 36 | 2 53 | 1 19 | 0 49 | 7 52 | 0 30 | 15 2 | 0 28 | 20 46 | 0 59 | 1 5 | 2 47 | 19 4 | 0 9 | 13 25 | 1 47 | 6 29 | 12 42 | 18 22 | 18 47 | 10 3 | 5 56 | 2 24 |
| S 19 | 0 42 | 20 40 | 1 54 | 2 5 | 0 43 | 8 22 | 0 28 | 15 16 | 0 28 | 20 46 | 0 59 | 1 3 | 2 47 | 19 4 | 0 9 | 13 26 | 1 47 | 6 29 | 12 42 | 18 22 | 18 48 | 10 1 | 5 55 | 2 24 |
| M20 | 1 6 | 19 45 | 0 52 | 2 50 | 0 37 | 8 52 | 0 25 | 15 30 | 0 29 | 20 46 | 0 59 | 1 1 | 2 47 | 19 5 | 0 9 | 13 26 | 1 47 | 6 29 | 12 42 | 18 22 | 18 49 | 9 59 | 5 54 | 2 24 |
| T 21 | 1 30 | 17 57 | 0s12 | 3 35 | 0 30 | 9 22 | 0 23 | 15 44 | 0 30 | 20 46 | 0 59 | 0 59 | 2 47 | 19 6 | 0 9 | 13 27 | 1 47 | 6 28 | 12 42 | 18 22 | 18 49 | 9 57 | 5 53 | 2 24 |
| W22 | 1 53 | 15 24 | 1 15 | 4 20 | 0 23 | 9 51 | 0 21 | 15 58 | 0 30 | 20 46 | 0 59 | 0 58 | 2 48 | 19 6 | 0 9 | 13 28 | 1 47 | 6 28 | 12 42 | 18 22 | 18 50 | 9 55 | 5 52 | 2 24 |
| T 23 | 2 17 | 12 13 | 2 14 | 5 5 | 0 17 | 10 20 | 0 18 | 16 12 | 0 31 | 20 46 | 0 59 | 0 56 | 2 48 | 19 7 | 0 9 | 13 28 | 1 47 | 6 28 | 12 42 | 18 23 | 18 51 | 9 53 | 5 50 | 2 24 |
| F 24 | 2 41 | 8 33 | 3 8 | 5 49 | 0 10 | 10 49 | 0 15 | 16 25 | 0 31 | 20 46 | 0 59 | 0 54 | 2 48 | 19 8 | 0 9 | 13 29 | 1 46 | 6 27 | 12 43 | 18 24 | 18 52 | 9 52 | 5 49 | 2 24 |
| S 25 | 3 4 | 4 32 | 3 53 | 6 33 | 0 3 | 11 18 | 0 13 | 16 39 | 0 32 | 20 46 | 0 59 | 0 52 | 2 48 | 19 8 | 0 9 | 13 30 | 1 46 | 6 27 | 12 43 | 18 27 | 18 53 | 9 50 | 5 48 | 2 24 |
| S 26 | 3 28 | 0 19 | 4 28 | 7 16 | 0s 4 | 11 47 | 0 10 | 16 52 | 0 33 | 20 45 | 0 58 | 0 50 | 2 48 | 19 9 | 0 9 | 13 30 | 1 46 | 6 27 | 12 43 | 18 29 | 18 53 | 9 48 | 5 47 | 2 24 |
| M27 | 3 51 | 3n57 | 4 52 | 7 58 | 0 10 | 12 15 | 0 8 | 17 5 | 0 33 | 20 45 | 0 58 | 0 48 | 2 48 | 19 10 | 0 9 | 13 31 | 1 46 | 6 26 | 12 43 | 18 32 | 18 54 | 9 46 | 5 46 | 2 23 |
| T 28 | 4 15 | 8 7 | 5 2 | 8 41 | 0 17 | 12 43 | 0 5 | 17 18 | 0 34 | 20 45 | 0 58 | 0 46 | 2 48 | 19 10 | 0 9 | 13 31 | 1 46 | 6 26 | 12 43 | 18 35 | 18 55 | 9 44 | 5 45 | 2 23 |
| W29 | 4 38 | 12 0 | 4 59 | 9 22 | 0 24 | 13 11 | 0 2 | 17 31 | 0 34 | 20 44 | 0 58 | 0 44 | 2 48 | 19 11 | 0 9 | 13 32 | 1 46 | 6 26 | 12 43 | 18 38 | 18 56 | 9 42 | 5 43 | 2 23 |
| T 30 | 5s 2 | 15n25 | 4s41 | 10s 3 | 0s31 | 13s38 | 0s 0 | 17s44 | 0s35 | 20s44 | 0s58 | 0n42 | 2s48 | 19s12 | 0n 9 | 13s33 | 1n46 | 6n25 | 12s44 | 18n41 | 18n57 | 9s40 | 5n42 | 2n23 |

Julian Day Number = 2138781.5, Delta T = 15m35s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'04, Lahiri = 11°55'05 Julian Calendar 1 Sept. 1143 == Greg. Calendar 8 Sept. 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## OCTOBER 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 2 10 | 13♎39'40 | 11♊35 | 26♎ 8 | 7♏22 | 18♏22 | 2♒ 6 | 8°R 8 | 26♏ 2 | 11♏ 9 | 23°R37 | 6°R37 | 5♌36 | 12♓53 | 8°R46 | F 1 |
| S 2 | 1 6 6 | 14°39'23 | 24°35 | 27°41 | 8°36 | 19° 5 | 2° 8 | 8♈ 3 | 26° 5 | 11°11 | 23♉36 | 6♌33 | 5°33 | 12°59 | 8♈44 | S 2 |
| S 3 | 1 10 3 | 15°39'08 | 7♋50 | 29°12 | 9°51 | 19°49 | 2°10 | 7°59 | 26° 8 | 11°13 | 23°35 | 6°31 | 5°30 | 13° 6 | 8°41 | S 3 |
| M 4 | 1 14 0 | 16°38'55 | 21°23 | 0♏43 | 11° 5 | 20°32 | 2°12 | 7°54 | 26°11 | 11°15 | 23°34 | 6°D31 | 5°27 | 13°13 | 8°38 | M 4 |
| T 5 | 1 17 56 | 17°38'44 | 5♌16 | 2°14 | 12°19 | 21°15 | 2°15 | 7°49 | 26°14 | 11°17 | 23°33 | 6°R31 | 5°24 | 13°19 | 8°35 | T 5 |
| W 6 | 1 21 53 | 18°38'36 | 19°31 | 3°43 | 13°33 | 21°59 | 2°17 | 7°44 | 26°17 | 11°19 | 23°32 | 6°30 | 5°21 | 13°26 | 8°32 | W 6 |
| T 7 | 1 25 49 | 19°38'30 | 4♍ 5 | 5°13 | 14°47 | 22°43 | 2°20 | 7°40 | 26°20 | 11°21 | 23°31 | 6°28 | 5°17 | 13°33 | 8°30 | T 7 |
| F 8 | 1 29 46 | 20°38'26 | 18°55 | 6°41 | 16° 2 | 23°26 | 2°23 | 7°35 | 26°23 | 11°23 | 23°31 | 6°23 | 5°14 | 13°39 | 8°27 | F 8 |
| S 9 | 1 33 42 | 21°38'24 | 3♎55 | 8° 9 | 17°16 | 24°10 | 2°26 | 7°31 | 26°26 | 11°25 | 23°30 | 6°15 | 5°11 | 13°46 | 8°24 | S 9 |
| S 10 | 1 37 39 | 22°38'25 | 18°56 | 9°37 | 18°30 | 24°54 | 2°30 | 7°26 | 26°29 | 11°28 | 23°29 | 6° 4 | 5° 8 | 13°53 | 8°22 | S 10 |
| M11 | 1 41 35 | 23°38'27 | 3♏48 | 11° 4 | 19°44 | 25°38 | 2°33 | 7°22 | 26°33 | 11°30 | 23°28 | 5°53 | 5° 5 | 13°59 | 8°19 | M11 |
| T 12 | 1 45 32 | 24°38'31 | 18°22 | 12°30 | 20°58 | 26°21 | 2°37 | 7°17 | 26°36 | 11°32 | 23°27 | 5°41 | 5° 1 | 14° 6 | 8°16 | T 12 |
| W13 | 1 49 29 | 25°38'37 | 2♐31 | 13°55 | 22°12 | 27° 5 | 2°41 | 7°13 | 26°39 | 11°34 | 23°26 | 5°31 | 4°58 | 14°13 | 8°14 | W13 |
| T 14 | 1 53 25 | 26°38'45 | 16°13 | 15°20 | 23°26 | 27°50 | 2°45 | 7° 8 | 26°42 | 11°36 | 23°25 | 5°23 | 4°55 | 14°19 | 8°11 | T 14 |
| F 15 | 1 57 22 | 27°38'55 | 29°26 | 16°44 | 24°41 | 28°34 | 2°50 | 7° 4 | 26°46 | 11°39 | 23°24 | 5°18 | 4°52 | 14°26 | 8° 8 | F 15 |
| S 16 | 2 1 18 | 28°39'06 | 12♑13 | 18° 7 | 25°55 | 29°18 | 2°54 | 7° 0 | 26°49 | 11°41 | 23°23 | 5°16 | 4°49 | 14°33 | 8° 6 | S 16 |
| S 17 | 2 5 15 | 29°39'18 | 24°37 | 19°30 | 27° 9 | 0♐ 2 | 2°59 | 6°56 | 26°52 | 11°43 | 23°22 | 5°15 | 4°46 | 14°39 | 8° 3 | S 17 |
| M18 | 2 9 11 | 0♏39'33 | 6♒44 | 20°51 | 28°23 | 0°46 | 3° 4 | 6°51 | 26°56 | 11°45 | 23°21 | 5°15 | 4°42 | 14°46 | 8° 1 | M18 |
| T 19 | 2 13 8 | 1°39'48 | 18°40 | 22°12 | 29°37 | 1°31 | 3° 9 | 6°47 | 26°59 | 11°47 | 23°20 | 5°14 | 4°39 | 14°53 | 7°58 | T 19 |
| W20 | 2 17 4 | 2°40'05 | 0♓29 | 23°31 | 0♐51 | 2°15 | 3°14 | 6°43 | 27° 3 | 11°50 | 23°19 | 5°12 | 4°36 | 14°59 | 7°56 | W20 |
| T 21 | 2 21 1 | 3°40'24 | 12°17 | 24°49 | 2° 5 | 3° 0 | 3°20 | 6°39 | 27° 6 | 11°52 | 23°18 | 5° 8 | 4°33 | 15° 6 | 7°53 | T 21 |
| F 22 | 2 24 58 | 4°40'44 | 24° 9 | 26° 5 | 3°19 | 3°44 | 3°25 | 6°35 | 27°10 | 11°54 | 23°16 | 5° 1 | 4°30 | 15°13 | 7°51 | F 22 |
| S 23 | 2 28 54 | 5°41'06 | 6♈ 6 | 27°20 | 4°33 | 4°29 | 3°31 | 6°31 | 27°13 | 11°56 | 23°15 | 4°51 | 4°27 | 15°20 | 7°48 | S 23 |
| S 24 | 2 32 51 | 6°41'29 | 18°14 | 28°34 | 5°47 | 5°13 | 3°37 | 6°28 | 27°16 | 11°59 | 23°14 | 4°38 | 4°23 | 15°26 | 7°46 | S 24 |
| M25 | 2 36 47 | 7°41'54 | 0♉31 | 29°45 | 7° 1 | 5°58 | 3°43 | 6°24 | 27°20 | 12° 1 | 23°13 | 4°24 | 4°20 | 15°33 | 7°44 | M25 |
| T 26 | 2 40 44 | 8°42'21 | 13° 1 | 0♐54 | 8°15 | 6°43 | 3°49 | 6°20 | 27°24 | 12° 3 | 23°12 | 4°10 | 4°17 | 15°40 | 7°41 | T 26 |
| W27 | 2 44 40 | 9°42'49 | 25°41 | 2° 1 | 9°29 | 7°28 | 3°56 | 6°17 | 27°27 | 12° 5 | 23°11 | 3°57 | 4°14 | 15°46 | 7°39 | W27 |
| T 28 | 2 48 37 | 10°43'19 | 8♊33 | 3° 5 | 10°43 | 8°13 | 4° 3 | 6°13 | 27°31 | 12° 8 | 23°10 | 3°45 | 4°11 | 15°53 | 7°37 | T 28 |
| F 29 | 2 52 33 | 11°43'51 | 21°36 | 4° 6 | 11°57 | 8°58 | 4° 9 | 6°10 | 27°34 | 12°10 | 23° 9 | 3°37 | 4° 7 | 16° 0 | 7°35 | F 29 |
| S 30 | 2 56 30 | 12°44'25 | 4♋49 | 5° 3 | 13°11 | 9°43 | 4°16 | 6° 6 | 27°38 | 12°12 | 23° 8 | 3°31 | 4° 4 | 16° 6 | 7°33 | S 30 |
| S 31 | 3 0 27 | 13♏45'00 | 18♋14 | 5♐57 | 14♐24 | 10♐28 | 4♒23 | 6♈ 3 | 27♏41 | 12♏14 | 23♉ 7 | 3♌29 | 4♌ 1 | 16♓13 | 7♈30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s25 | 18n10 | 4s 9 | 10s44 | 0s38 | 14s 5 | 0s 3 | 17s57 | 0s36 | 20s43 | 0s58 | 0n41 | 2s48 | 19s12 | 0n 9 | 13s33 | 1n46 | 6n25 | 12s44 | 18n42 | 18n57 | 9s38 | 5n41 | 2n23 |
| S 2 | 5 48 | 20 3 | 3 23 | 11 23 | 0 45 | 14 32 | 0 6 | 18 9 | 0 36 | 20 43 | 0 58 | 0 39 | 2 48 | 19 13 | 0 9 | 13 34 | 1 46 | 6 25 | 12 44 | 18 43 | 18 58 | 9 36 | 5 40 | 2 23 |
| S 3 | 6 11 | 20 53 | 2 26 | 12 3 | 0 51 | 14 58 | 0 8 | 18 22 | 0 37 | 20 42 | 0 58 | 0 37 | 2 47 | 19 14 | 0 9 | 13 35 | 1 46 | 6 24 | 12 44 | 18 44 | 18 59 | 9 34 | 5 39 | 2 23 |
| M 4 | 6 34 | 20 32 | 1 20 | 12 41 | 0 58 | 15 24 | 0 11 | 18 34 | 0 37 | 20 42 | 0 58 | 0 35 | 2 47 | 19 14 | 0 9 | 13 35 | 1 46 | 6 24 | 12 44 | 18 44 | 19 0 | 9 32 | 5 37 | 2 23 |
| T 5 | 6 57 | 18 56 | 0 7 | 13 19 | 1 5 | 15 49 | 0 14 | 18 46 | 0 38 | 20 41 | 0 58 | 0 33 | 2 47 | 19 15 | 0 9 | 13 36 | 1 46 | 6 24 | 12 44 | 18 44 | 19 0 | 9 30 | 5 36 | 2 23 |
| W 6 | 7 20 | 16 7 | 1n 8 | 13 56 | 1 11 | 16 15 | 0 17 | 18 58 | 0 38 | 20 40 | 0 58 | 0 31 | 2 47 | 19 16 | 0 9 | 13 37 | 1 46 | 6 23 | 12 44 | 18 44 | 19 1 | 9 28 | 5 35 | 2 23 |
| T 7 | 7 43 | 12 14 | 2 21 | 14 32 | 1 18 | 16 39 | 0 19 | 19 10 | 0 39 | 20 40 | 0 58 | 0 30 | 2 47 | 19 17 | 0 9 | 13 37 | 1 46 | 6 23 | 12 44 | 18 45 | 19 2 | 9 26 | 5 34 | 2 23 |
| F 8 | 8 6 | 7 32 | 3 25 | 15 8 | 1 24 | 17 4 | 0 22 | 19 21 | 0 39 | 20 39 | 0 57 | 0 28 | 2 47 | 19 17 | 0 9 | 13 38 | 1 46 | 6 23 | 12 45 | 18 46 | 19 3 | 9 25 | 5 33 | 2 23 |
| S 9 | 8 28 | 2 20 | 4 15 | 15 43 | 1 30 | 17 28 | 0 25 | 19 33 | 0 40 | 20 38 | 0 57 | 0 26 | 2 47 | 19 18 | 0 9 | 13 39 | 1 46 | 6 22 | 12 45 | 18 48 | 19 4 | 9 23 | 5 32 | 2 22 |
| S 10 | 8 51 | 3s 0 | 4 48 | 16 17 | 1 36 | 17 51 | 0 28 | 19 44 | 0 41 | 20 37 | 0 57 | 0 24 | 2 47 | 19 19 | 0 9 | 13 39 | 1 46 | 6 22 | 12 45 | 18 50 | 19 4 | 9 21 | 5 30 | 2 22 |
| M11 | 9 13 | 8 7 | 5 1 | 16 50 | 1 42 | 18 14 | 0 30 | 19 55 | 0 41 | 20 36 | 0 57 | 0 23 | 2 47 | 19 20 | 0 9 | 13 40 | 1 46 | 6 22 | 12 45 | 18 53 | 19 5 | 9 19 | 5 29 | 2 22 |
| T 12 | 9 35 | 12 40 | 4 54 | 17 22 | 1 48 | 18 37 | 0 33 | 20 6 | 0 42 | 20 35 | 0 57 | 0 21 | 2 47 | 19 20 | 0 9 | 13 41 | 1 46 | 6 21 | 12 45 | 18 56 | 19 6 | 9 17 | 5 28 | 2 22 |
| W13 | 9 57 | 16 22 | 4 29 | 17 54 | 1 53 | 18 59 | 0 36 | 20 17 | 0 42 | 20 34 | 0 57 | 0 19 | 2 47 | 19 21 | 0 9 | 13 42 | 1 46 | 6 21 | 12 45 | 18 59 | 19 7 | 9 15 | 5 27 | 2 22 |
| T 14 | 10 19 | 19 2 | 3 49 | 18 24 | 1 59 | 19 20 | 0 39 | 20 28 | 0 43 | 20 33 | 0 57 | 0 18 | 2 47 | 19 22 | 0 9 | 13 42 | 1 46 | 6 21 | 12 45 | 19 1 | 19 7 | 9 13 | 5 26 | 2 22 |
| F 15 | 10 41 | 20 35 | 2 57 | 18 53 | 2 4 | 19 42 | 0 41 | 20 38 | 0 43 | 20 32 | 0 57 | 0 16 | 2 47 | 19 23 | 0 9 | 13 43 | 1 46 | 6 20 | 12 45 | 19 2 | 19 8 | 9 11 | 5 25 | 2 22 |
| S 16 | 11 3 | 21 1 | 1 59 | 19 22 | 2 9 | 20 2 | 0 44 | 20 48 | 0 44 | 20 31 | 0 57 | 0 15 | 2 47 | 19 24 | 0 9 | 13 44 | 1 46 | 6 20 | 12 45 | 19 2 | 19 9 | 9 9 | 5 24 | 2 22 |
| S 17 | 11 24 | 20 23 | 0 56 | 19 49 | 2 13 | 20 22 | 0 47 | 20 58 | 0 44 | 20 30 | 0 57 | 0 13 | 2 46 | 19 24 | 0 9 | 13 44 | 1 46 | 6 20 | 12 45 | 19 3 | 19 10 | 9 7 | 5 22 | 2 22 |
| M18 | 11 45 | 18 48 | 0s 8 | 20 16 | 2 18 | 20 42 | 0 49 | 21 8 | 0 45 | 20 29 | 0 57 | 0 11 | 2 46 | 19 25 | 0 9 | 13 45 | 1 46 | 6 19 | 12 46 | 19 3 | 19 10 | 9 5 | 5 21 | 2 21 |
| T 19 | 12 6 | 16 25 | 1 10 | 20 41 | 2 22 | 21 0 | 0 52 | 21 18 | 0 45 | 20 27 | 0 56 | 0 10 | 2 46 | 19 26 | 0 9 | 13 46 | 1 46 | 6 19 | 12 46 | 19 3 | 19 11 | 9 3 | 5 20 | 2 21 |
| W20 | 12 27 | 13 22 | 2 9 | 21 5 | 2 25 | 21 19 | 0 55 | 21 27 | 0 46 | 20 26 | 0 56 | 0 8 | 2 46 | 19 27 | 0 9 | 13 46 | 1 46 | 6 19 | 12 46 | 19 3 | 19 12 | 9 1 | 5 19 | 2 21 |
| T 21 | 12 48 | 9 47 | 3 2 | 21 28 | 2 29 | 21 36 | 0 57 | 21 36 | 0 46 | 20 25 | 0 56 | 0 7 | 2 46 | 19 28 | 0 9 | 13 47 | 1 46 | 6 19 | 12 46 | 19 4 | 19 13 | 8 59 | 5 18 | 2 21 |
| F 22 | 13 8 | 5 49 | 3 48 | 21 49 | 2 32 | 21 54 | 1 0 | 21 46 | 0 47 | 20 23 | 0 56 | 0 6 | 2 46 | 19 28 | 0 9 | 13 48 | 1 46 | 6 18 | 12 46 | 19 6 | 19 14 | 8 57 | 5 17 | 2 21 |
| S 23 | 13 29 | 1 36 | 4 24 | 22 9 | 2 34 | 22 10 | 1 2 | 21 54 | 0 47 | 20 22 | 0 56 | 0 4 | 2 46 | 19 29 | 0 9 | 13 48 | 1 46 | 6 18 | 12 46 | 19 8 | 19 14 | 8 55 | 5 16 | 2 21 |
| S 24 | 13 49 | 2n45 | 4 48 | 22 28 | 2 36 | 22 26 | 1 5 | 22 3 | 0 48 | 20 20 | 0 56 | 0 3 | 2 45 | 19 30 | 0 9 | 13 49 | 1 46 | 6 18 | 12 46 | 19 11 | 19 15 | 8 53 | 5 15 | 2 21 |
| M25 | 14 8 | 7 2 | 4 59 | 22 46 | 2 38 | 22 41 | 1 7 | 22 11 | 0 48 | 20 19 | 0 56 | 0 1 | 2 45 | 19 31 | 0 9 | 13 50 | 1 46 | 6 17 | 12 46 | 19 15 | 19 16 | 8 51 | 5 14 | 2 20 |
| T 26 | 14 28 | 11 6 | 4 56 | 23 2 | 2 39 | 22 56 | 1 10 | 22 20 | 0 49 | 20 17 | 0 56 | 0 0 | 2 45 | 19 32 | 0 9 | 13 51 | 1 46 | 6 17 | 12 46 | 19 18 | 19 17 | 8 49 | 5 13 | 2 20 |
| W27 | 14 47 | 14 45 | 4 39 | 23 16 | 2 40 | 23 10 | 1 12 | 22 28 | 0 49 | 20 16 | 0 56 | 0s 1 | 2 45 | 19 32 | 0 9 | 13 51 | 1 46 | 6 17 | 12 46 | 19 21 | 19 17 | 8 47 | 5 12 | 2 20 |
| T 28 | 15 7 | 17 46 | 4 7 | 23 29 | 2 39 | 23 23 | 1 15 | 22 35 | 0 49 | 20 14 | 0 56 | 0 2 | 2 45 | 19 33 | 0 9 | 13 52 | 1 46 | 6 16 | 12 46 | 19 24 | 19 18 | 8 45 | 5 11 | 2 20 |
| F 29 | 15 25 | 19 55 | 3 22 | 23 39 | 2 38 | 23 36 | 1 17 | 22 43 | 0 50 | 20 12 | 0 56 | 0 4 | 2 45 | 19 34 | 0 9 | 13 53 | 1 46 | 6 16 | 12 46 | 19 26 | 19 19 | 8 43 | 5 10 | 2 20 |
| S 30 | 15 44 | 21 2 | 2 25 | 23 49 | 2 37 | 23 48 | 1 19 | 22 50 | 0 50 | 20 11 | 0 56 | 0 5 | 2 44 | 19 35 | 0 9 | 13 53 | 1 46 | 6 16 | 12 46 | 19 27 | 19 20 | 8 41 | 5 9 | 2 20 |
| S 31 | 16s 2 | 20n59 | 1s20 | 23s56 | 2s34 | 23s59 | 1s21 | 22s57 | 0s51 | 20s 9 | 0s55 | 0s 6 | 2s44 | 19s36 | 0n 9 | 13s54 | 1n46 | 6n16 | 12s46 | 19n28 | 19n20 | 8s39 | 5n 8 | 2n20 |

Julian Day Number = 2138811.5, Delta T = 15m34s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'09, Lahiri = 11°55'09 Julian Calendar 1 Oct. 1143 == Greg. Calendar 8 Oct. 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## NOVEMBER 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 4 23 | 14♏45'37 | 1♌50 | 6♐46 | 15♐38 | 11♐13 | 4♒31 | 6°R 0 | 27♏45 | 12♏17 | 23°R 6 | 3°D28 | 3♌58 | 16♓20 | 7°R28 | M 1 |
| T 2 | 3 8 20 | 15°46'16 | 15°39 | 7°29 | 16°52 | 11°58 | 4°38 | 5♈57 | 27°49 | 12°19 | 23♉ 4 | 3°R28 | 3°55 | 16°26 | 7♈26 | T 2 |
| W 3 | 3 12 16 | 16°46'57 | 29°42 | 8° 7 | 18° 6 | 12°43 | 4°46 | 5°54 | 27°52 | 12°21 | 23° 3 | 3♌28 | 3°52 | 16°33 | 7°24 | W 3 |
| T 4 | 3 16 13 | 17°47'39 | 13♍58 | 8°39 | 19°20 | 13°29 | 4°53 | 5°51 | 27°56 | 12°23 | 23° 2 | 3°25 | 3°48 | 16°40 | 7°22 | T 4 |
| F 5 | 3 20 9 | 18°48'23 | 28°25 | 9° 4 | 20°34 | 14°14 | 5° 1 | 5°48 | 28° 0 | 12°26 | 23° 1 | 3°20 | 3°45 | 16°46 | 7°20 | F 5 |
| S 6 | 3 24 6 | 19°49'09 | 13♎ 0 | 9°20 | 21°47 | 14°59 | 5° 9 | 5°45 | 28° 3 | 12°28 | 23° 0 | 3°13 | 3°42 | 16°53 | 7°18 | S 6 |
| S 7 | 3 28 2 | 20°49'56 | 27°36 | 9°R28 | 23° 1 | 15°45 | 5°17 | 5°43 | 28° 7 | 12°30 | 22°59 | 3° 3 | 3°39 | 17° 0 | 7°17 | S 7 |
| M 8 | 3 31 59 | 21°50'45 | 12♏ 8 | 9°26 | 24°15 | 16°30 | 5°26 | 5°40 | 28°10 | 12°32 | 22°58 | 2°51 | 3°36 | 17° 6 | 7°15 | M 8 |
| T 9 | 3 35 55 | 22°51'35 | 26°26 | 9°14 | 25°29 | 17°16 | 5°34 | 5°38 | 28°14 | 12°35 | 22°56 | 2°40 | 3°32 | 17°13 | 7°13 | T 9 |
| W10 | 3 39 52 | 23°52'26 | 10♐26 | 8°51 | 26°42 | 18° 2 | 5°43 | 5°35 | 28°18 | 12°37 | 22°55 | 2°29 | 3°29 | 17°20 | 7°11 | W10 |
| T 11 | 3 43 49 | 24°53'19 | 24° 3 | 8°18 | 27°56 | 18°47 | 5°51 | 5°33 | 28°22 | 12°39 | 22°54 | 2°21 | 3°26 | 17°26 | 7°10 | T 11 |
| F 12 | 3 47 45 | 25°54'12 | 7♑16 | 7°33 | 29°10 | 19°33 | 6° 0 | 5°31 | 28°25 | 12°41 | 22°53 | 2°16 | 3°23 | 17°33 | 7° 8 | F 12 |
| S 13 | 3 51 42 | 26°55'07 | 20° 4 | 6°38 | 0♑23 | 20°19 | 6° 9 | 5°29 | 28°29 | 12°43 | 22°52 | 2°13 | 3°20 | 17°40 | 7° 6 | S 13 |
| S 14 | 3 55 38 | 27°56'03 | 2♒31 | 5°33 | 1°37 | 21° 5 | 6°18 | 5°27 | 28°33 | 12°46 | 22°51 | 2°D12 | 3°17 | 17°47 | 7° 5 | S 14 |
| M15 | 3 59 35 | 28°56'59 | 14°41 | 4°20 | 2°50 | 21°51 | 6°28 | 5°25 | 28°36 | 12°48 | 22°50 | 2°13 | 3°13 | 17°53 | 7° 3 | M15 |
| T 16 | 4 3 31 | 29°57'56 | 26°38 | 3° 2 | 4° 4 | 22°37 | 6°37 | 5°23 | 28°40 | 12°50 | 22°49 | 2°R13 | 3°10 | 18° 0 | 7° 2 | T 16 |
| W17 | 4 7 28 | 0♐58'54 | 8♓29 | 1°40 | 5°18 | 23°23 | 6°47 | 5°21 | 28°44 | 12°52 | 22°47 | 2°13 | 3° 7 | 18° 7 | 7° 1 | W17 |
| T 18 | 4 11 25 | 1°59'52 | 20°19 | 0°17 | 6°31 | 24° 9 | 6°56 | 5°20 | 28°47 | 12°54 | 22°46 | 2°11 | 3° 4 | 18°13 | 6°59 | T 18 |
| F 19 | 4 15 21 | 3° 0'51 | 2♈12 | 28♏56 | 7°44 | 24°55 | 7° 6 | 5°18 | 28°51 | 12°56 | 22°45 | 2° 7 | 3° 1 | 18°20 | 6°58 | F 19 |
| S 20 | 4 19 18 | 4° 1'51 | 14°13 | 27°40 | 8°58 | 25°41 | 7°16 | 5°17 | 28°55 | 12°59 | 22°44 | 2° 0 | 2°58 | 18°27 | 6°57 | S 20 |
| S 21 | 4 23 14 | 5° 2'52 | 26°26 | 26°31 | 10°11 | 26°27 | 7°26 | 5°16 | 28°58 | 13° 1 | 22°43 | 1°51 | 2°54 | 18°33 | 6°56 | S 21 |
| M22 | 4 27 11 | 6° 3'53 | 8♉54 | 25°31 | 11°25 | 27°13 | 7°36 | 5°15 | 29° 2 | 13° 3 | 22°42 | 1°41 | 2°51 | 18°40 | 6°54 | M22 |
| T 23 | 4 31 7 | 7° 4'55 | 21°37 | 24°41 | 12°38 | 27°59 | 7°46 | 5°14 | 29° 6 | 13° 5 | 22°41 | 1°30 | 2°48 | 18°47 | 6°53 | T 23 |
| W24 | 4 35 4 | 8° 5'58 | 4♊35 | 24° 2 | 13°51 | 28°46 | 7°57 | 5°13 | 29° 9 | 13° 7 | 22°40 | 1°20 | 2°45 | 18°53 | 6°52 | W24 |
| T 25 | 4 39 0 | 9° 7'02 | 17°49 | 23°35 | 15° 4 | 29°32 | 8° 7 | 5°12 | 29°13 | 13° 9 | 22°39 | 1°12 | 2°42 | 19° 0 | 6°51 | T 25 |
| F 26 | 4 42 57 | 10° 8'06 | 1♋16 | 23°18 | 16°17 | 0♑18 | 8°18 | 5°11 | 29°17 | 13°11 | 22°37 | 1° 6 | 2°38 | 19° 7 | 6°50 | F 26 |
| S 27 | 4 46 54 | 11° 9'12 | 14°53 | 23°D12 | 17°31 | 1° 5 | 8°28 | 5°11 | 29°20 | 13°13 | 22°36 | 1° 2 | 2°35 | 19°13 | 6°50 | S 27 |
| S 28 | 4 50 50 | 12°10'18 | 28°39 | 23°17 | 18°44 | 1°51 | 8°39 | 5°10 | 29°24 | 13°15 | 22°35 | 1°D 1 | 2°32 | 19°20 | 6°49 | S 28 |
| M29 | 4 54 47 | 13°11'24 | 12♌33 | 23°30 | 19°57 | 2°38 | 8°50 | 5°10 | 29°27 | 13°17 | 22°34 | 1° 1 | 2°29 | 19°27 | 6°48 | M29 |
| T 30 | 4 58 43 | 14♐12'32 | 26♌32 | 23♏52 | 21♑10 | 3♑24 | 9♒ 1 | 5♈ 9 | 29♏31 | 13♏19 | 22♉33 | 1♌ 3 | 2♌26 | 19♓33 | 6♈47 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s20 | 19n42 | 0s 9 | 24s 1 | 2s31 | 24s 9 | 1s24 | 23s 4 | 0s51 | 20s 7 | 0s55 | 0s 7 | 2s44 | 19s37 | 0n 9 | 13s55 | 1n46 | 6n15 | 12s46 | 19n28 | 19n21 | 8s37 | 5n 7 | 2n19 |
| T 2 | 16 38 | 17 14 | 1n 4 | 24 4 | 2 27 | 24 19 | 1 26 | 23 11 | 0 52 | 20 5 | 0 55 | 0 8 | 2 44 | 19 37 | 0 9 | 13 55 | 1 46 | 6 15 | 12 46 | 19 28 | 19 22 | 8 35 | 5 6 | 2 19 |
| W 3 | 16 56 | 13 43 | 2 14 | 24 5 | 2 21 | 24 28 | 1 28 | 23 17 | 0 52 | 20 3 | 0 55 | 0 9 | 2 44 | 19 38 | 0 9 | 13 56 | 1 46 | 6 15 | 12 46 | 19 28 | 19 23 | 8 33 | 5 5 | 2 19 |
| T 4 | 17 13 | 9 22 | 3 17 | 24 3 | 2 14 | 24 37 | 1 30 | 23 23 | 0 52 | 20 1 | 0 55 | 0 10 | 2 43 | 19 39 | 0 9 | 13 57 | 1 46 | 6 15 | 12 46 | 19 29 | 19 23 | 8 31 | 5 4 | 2 19 |
| F 5 | 17 30 | 4 25 | 4 8 | 23 59 | 2 6 | 24 45 | 1 32 | 23 29 | 0 53 | 19 59 | 0 55 | 0 11 | 2 43 | 19 40 | 0 8 | 13 57 | 1 46 | 6 14 | 12 46 | 19 30 | 19 24 | 8 29 | 5 3 | 2 19 |
| S 6 | 17 46 | 0s48 | 4 43 | 23 53 | 1 57 | 24 52 | 1 34 | 23 35 | 0 53 | 19 57 | 0 55 | 0 12 | 2 43 | 19 41 | 0 8 | 13 58 | 1 46 | 6 14 | 12 46 | 19 32 | 19 25 | 8 27 | 5 2 | 2 19 |
| S 7 | 18 3 | 6 0 | 5 0 | 23 43 | 1 46 | 24 58 | 1 36 | 23 40 | 0 54 | 19 55 | 0 55 | 0 13 | 2 43 | 19 42 | 0 8 | 13 59 | 1 46 | 6 14 | 12 46 | 19 34 | 19 26 | 8 25 | 5 1 | 2 19 |
| M 8 | 18 19 | 10 49 | 4 58 | 23 31 | 1 34 | 25 3 | 1 38 | 23 45 | 0 54 | 19 53 | 0 55 | 0 13 | 2 43 | 19 42 | 0 8 | 13 59 | 1 46 | 6 14 | 12 46 | 19 37 | 19 26 | 8 23 | 5 0 | 2 18 |
| T 9 | 18 34 | 14 58 | 4 36 | 23 16 | 1 21 | 25 8 | 1 40 | 23 50 | 0 54 | 19 51 | 0 55 | 0 14 | 2 42 | 19 43 | 0 8 | 14 0 | 1 46 | 6 13 | 12 46 | 19 39 | 19 27 | 8 21 | 4 59 | 2 18 |
| W10 | 18 50 | 18 11 | 3 59 | 22 57 | 1 5 | 25 12 | 1 41 | 23 55 | 0 55 | 19 49 | 0 55 | 0 15 | 2 42 | 19 44 | 0 8 | 14 1 | 1 46 | 6 13 | 12 46 | 19 42 | 19 28 | 8 19 | 4 59 | 2 18 |
| T 11 | 19 5 | 20 17 | 3 8 | 22 35 | 0 49 | 25 15 | 1 43 | 23 59 | 0 55 | 19 47 | 0 55 | 0 16 | 2 42 | 19 45 | 0 8 | 14 1 | 1 46 | 6 13 | 12 46 | 19 43 | 19 29 | 8 17 | 4 58 | 2 18 |
| F 12 | 19 19 | 21 12 | 2 9 | 22 10 | 0 31 | 25 18 | 1 45 | 24 3 | 0 56 | 19 44 | 0 55 | 0 16 | 2 42 | 19 46 | 0 8 | 14 2 | 1 46 | 6 13 | 12 46 | 19 45 | 19 29 | 8 15 | 4 57 | 2 18 |
| S 13 | 19 33 | 20 59 | 1 4 | 21 42 | 0 11 | 25 19 | 1 46 | 24 7 | 0 56 | 19 42 | 0 54 | 0 17 | 2 41 | 19 47 | 0 8 | 14 3 | 1 46 | 6 12 | 12 46 | 19 45 | 19 30 | 8 12 | 4 56 | 2 18 |
| S 14 | 19 47 | 19 43 | 0s 2 | 21 11 | 0n 9 | 25 20 | 1 48 | 24 11 | 0 56 | 19 40 | 0 54 | 0 18 | 2 41 | 19 47 | 0 8 | 14 3 | 1 46 | 6 12 | 12 46 | 19 46 | 19 31 | 8 10 | 4 55 | 2 17 |
| M15 | 20 1 | 17 33 | 1 6 | 20 38 | 0 29 | 25 20 | 1 49 | 24 14 | 0 57 | 19 37 | 0 54 | 0 18 | 2 41 | 19 48 | 0 8 | 14 4 | 1 46 | 6 12 | 12 46 | 19 45 | 19 32 | 8 8 | 4 55 | 2 17 |
| T 16 | 20 14 | 14 41 | 2 7 | 20 3 | 0 50 | 25 20 | 1 51 | 24 17 | 0 57 | 19 35 | 0 54 | 0 19 | 2 41 | 19 49 | 0 8 | 14 5 | 1 46 | 6 12 | 12 46 | 19 45 | 19 32 | 8 6 | 4 54 | 2 17 |
| W17 | 20 27 | 11 13 | 3 1 | 19 27 | 1 9 | 25 18 | 1 52 | 24 20 | 0 57 | 19 32 | 0 54 | 0 19 | 2 40 | 19 50 | 0 8 | 14 5 | 1 46 | 6 12 | 12 46 | 19 45 | 19 33 | 8 4 | 4 53 | 2 17 |
| T 18 | 20 39 | 7 21 | 3 48 | 18 52 | 1 28 | 25 16 | 1 53 | 24 23 | 0 58 | 19 30 | 0 54 | 0 19 | 2 40 | 19 51 | 0 8 | 14 6 | 1 46 | 6 11 | 12 45 | 19 46 | 19 34 | 8 2 | 4 53 | 2 17 |
| F 19 | 20 51 | 3 10 | 4 25 | 18 17 | 1 46 | 25 13 | 1 54 | 24 25 | 0 58 | 19 27 | 0 54 | 0 20 | 2 40 | 19 51 | 0 8 | 14 7 | 1 46 | 6 11 | 12 45 | 19 47 | 19 34 | 8 0 | 4 52 | 2 17 |
| S 20 | 21 3 | 1n10 | 4 51 | 17 45 | 2 1 | 25 10 | 1 55 | 24 27 | 0 58 | 19 25 | 0 54 | 0 20 | 2 40 | 19 52 | 0 8 | 14 7 | 1 46 | 6 11 | 12 45 | 19 48 | 19 35 | 7 58 | 4 51 | 2 16 |
| S 21 | 21 14 | 5 32 | 5 4 | 17 17 | 2 15 | 25 5 | 1 56 | 24 29 | 0 59 | 19 22 | 0 54 | 0 20 | 2 39 | 19 53 | 0 8 | 14 8 | 1 46 | 6 11 | 12 45 | 19 50 | 19 36 | 7 56 | 4 51 | 2 16 |
| M22 | 21 25 | 9 45 | 5 3 | 16 52 | 2 26 | 25 0 | 1 57 | 24 30 | 0 59 | 19 19 | 0 54 | 0 20 | 2 39 | 19 54 | 0 8 | 14 8 | 1 46 | 6 11 | 12 45 | 19 53 | 19 37 | 7 54 | 4 50 | 2 16 |
| T 23 | 21 36 | 13 38 | 4 47 | 16 31 | 2 35 | 24 54 | 1 58 | 24 31 | 0 59 | 19 17 | 0 54 | 0 21 | 2 39 | 19 55 | 0 8 | 14 9 | 1 46 | 6 10 | 12 45 | 19 55 | 19 37 | 7 52 | 4 49 | 2 16 |
| W24 | 21 46 | 16 58 | 4 16 | 16 15 | 2 42 | 24 48 | 1 59 | 24 32 | 0 59 | 19 14 | 0 54 | 0 21 | 2 39 | 19 56 | 0 8 | 14 10 | 1 46 | 6 10 | 12 45 | 19 57 | 19 38 | 7 50 | 4 49 | 2 16 |
| T 25 | 21 55 | 19 29 | 3 31 | 16 3 | 2 47 | 24 40 | 1 59 | 24 33 | 1 0 | 19 11 | 0 54 | 0 21 | 2 38 | 19 56 | 0 8 | 14 10 | 1 46 | 6 10 | 12 45 | 19 59 | 19 39 | 7 48 | 4 48 | 2 15 |
| F 26 | 22 4 | 21 0 | 2 33 | 15 57 | 2 50 | 24 32 | 2 0 | 24 33 | 1 0 | 19 8 | 0 54 | 0 21 | 2 38 | 19 57 | 0 8 | 14 11 | 1 46 | 6 10 | 12 45 | 20 0 | 19 40 | 7 46 | 4 48 | 2 15 |
| S 27 | 22 13 | 21 18 | 1 26 | 15 54 | 2 51 | 24 23 | 2 0 | 24 33 | 1 0 | 19 5 | 0 54 | 0 21 | 2 38 | 19 58 | 0 8 | 14 11 | 1 46 | 6 10 | 12 45 | 20 1 | 19 40 | 7 44 | 4 47 | 2 15 |
| S 28 | 22 21 | 20 19 | 0 13 | 15 56 | 2 50 | 24 14 | 2 1 | 24 33 | 1 1 | 19 2 | 0 54 | 0 21 | 2 38 | 19 59 | 0 8 | 14 12 | 1 46 | 6 10 | 12 44 | 20 1 | 19 41 | 7 41 | 4 47 | 2 15 |
| M29 | 22 29 | 18 6 | 1n 2 | 16 1 | 2 48 | 24 3 | 2 1 | 24 32 | 1 1 | 19 0 | 0 54 | 0 21 | 2 37 | 20 0 | 0 8 | 14 13 | 1 46 | 6 10 | 12 44 | 20 1 | 19 42 | 7 39 | 4 46 | 2 15 |
| T 30 | 22s37 | 14n49 | 2n13 | 16s 9 | 2n45 | 23s52 | 2s 1 | 24s31 | 1s 1 | 18s57 | 0s53 | 0s21 | 2s37 | 20s 0 | 0n 8 | 14s13 | 1n46 | 6n 9 | 12s44 | 20n 1 | 19n42 | 7s37 | 4n46 | 2n15 |

Julian Day Number = 2138842.5, Delta T = 15m34s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'13, Lahiri = 11°55'13 Julian Calendar 1 Nov. 1143 == Greg. Calendar 8 Nov. 1143


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# ASTRODIENST EPHEMERIS for the year 1143
# geocentric

## DECEMBER 1143 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 2 40 | 15♐13'40 | 10♍36 | 24♏22 | 22♑23 | 4♑11 | 9♒12 | 5°R 9 | 29♏35 | 13♏21 | 22°R32 | 1°R 4 | 2♌23 | 19♓40 | 6°R47 | W 1 |
| T 2 | 5 6 36 | 16°14'50 | 24°44 | 24°58 | 23°35 | 4°57 | 9°24 | 5°D 9 | 29°38 | 13°23 | 22♉31 | 1♌ 3 | 2°19 | 19°47 | 6♈46 | T 2 |
| F 3 | 5 10 33 | 17°16'00 | 8♎55 | 25°41 | 24°48 | 5°44 | 9°35 | 5♈ 9 | 29°42 | 13°25 | 22°30 | 1° 1 | 2°16 | 19°54 | 6°46 | F 3 |
| S 4 | 5 14 29 | 18°17'10 | 23° 6 | 26°29 | 26° 1 | 6°31 | 9°46 | 5°10 | 29°45 | 13°27 | 22°29 | 0°57 | 2°13 | 20° 0 | 6°45 | S 4 |
| S 5 | 5 18 26 | 19°18'22 | 7♏14 | 27°22 | 27°14 | 7°17 | 9°58 | 5°10 | 29°49 | 13°29 | 22°28 | 0°52 | 2°10 | 20° 7 | 6°45 | S 5 |
| M 6 | 5 22 23 | 20°19'34 | 21°16 | 28°20 | 28°26 | 8° 4 | 10° 9 | 5°10 | 29°52 | 13°31 | 22°27 | 0°45 | 2° 7 | 20°14 | 6°44 | M 6 |
| T 7 | 5 26 19 | 21°20'46 | 5♐ 8 | 29°21 | 29°39 | 8°51 | 10°21 | 5°11 | 29°56 | 13°33 | 22°26 | 0°38 | 2° 4 | 20°20 | 6°44 | T 7 |
| W 8 | 5 30 16 | 22°21'59 | 18°45 | 0♐25 | 0♒52 | 9°38 | 10°33 | 5°11 | 29°59 | 13°35 | 22°25 | 0°32 | 2° 0 | 20°27 | 6°44 | W 8 |
| T 9 | 5 34 12 | 23°23'12 | 2♑ 5 | 1°32 | 2° 4 | 10°25 | 10°45 | 5°12 | 0♐ 3 | 13°37 | 22°24 | 0°27 | 1°57 | 20°34 | 6°44 | T 9 |
| F 10 | 5 38 9 | 24°24'25 | 15° 7 | 2°42 | 3°17 | 11°11 | 10°57 | 5°13 | 0° 6 | 13°38 | 22°23 | 0°24 | 1°54 | 20°40 | 6°43 | F 10 |
| S 11 | 5 42 5 | 25°25'39 | 27°49 | 3°54 | 4°29 | 11°58 | 11° 9 | 5°14 | 0°10 | 13°40 | 22°22 | 0°D23 | 1°51 | 20°47 | 6°43 | S 11 |
| S 12 | 5 46 2 | 26°26'52 | 10♒14 | 5° 8 | 5°41 | 12°45 | 11°21 | 5°15 | 0°13 | 13°42 | 22°21 | 0°23 | 1°48 | 20°54 | 6°D43 | S 12 |
| M13 | 5 49 58 | 27°28'05 | 22°24 | 6°24 | 6°54 | 13°32 | 11°33 | 5°16 | 0°17 | 13°44 | 22°20 | 0°24 | 1°44 | 21° 0 | 6°43 | M13 |
| T 14 | 5 53 55 | 28°29'18 | 4♓23 | 7°42 | 8° 6 | 14°19 | 11°46 | 5°18 | 0°20 | 13°46 | 22°20 | 0°26 | 1°41 | 21° 7 | 6°43 | T 14 |
| W15 | 5 57 52 | 29°30'30 | 16°15 | 9° 1 | 9°18 | 15° 6 | 11°58 | 5°19 | 0°23 | 13°47 | 22°19 | 0°28 | 1°38 | 21°14 | 6°44 | W15 |
| T 16 | 6 1 48 | 0♑31'43 | 28° 5 | 10°21 | 10°30 | 15°53 | 12°11 | 5°21 | 0°27 | 13°49 | 22°18 | 0°R29 | 1°35 | 21°21 | 6°44 | T 16 |
| F 17 | 6 5 45 | 1°32'54 | 9♈59 | 11°42 | 11°42 | 16°40 | 12°23 | 5°22 | 0°30 | 13°51 | 22°17 | 0°28 | 1°32 | 21°27 | 6°44 | F 17 |
| S 18 | 6 9 41 | 2°34'06 | 22° 0 | 13° 5 | 12°54 | 17°27 | 12°36 | 5°24 | 0°33 | 13°52 | 22°16 | 0°27 | 1°29 | 21°34 | 6°44 | S 18 |
| S 19 | 6 13 38 | 3°35'17 | 4♉15 | 14°28 | 14° 5 | 18°15 | 12°48 | 5°26 | 0°36 | 13°54 | 22°15 | 0°24 | 1°25 | 21°41 | 6°45 | S 19 |
| M20 | 6 17 34 | 4°36'28 | 16°45 | 15°53 | 15°17 | 19° 2 | 13° 1 | 5°28 | 0°40 | 13°56 | 22°14 | 0°20 | 1°22 | 21°47 | 6°45 | M20 |
| T 21 | 6 21 31 | 5°37'38 | 29°35 | 17°18 | 16°29 | 19°49 | 13°14 | 5°30 | 0°43 | 13°57 | 22°14 | 0°16 | 1°19 | 21°54 | 6°46 | T 21 |
| W22 | 6 25 27 | 6°38'48 | 12♊45 | 18°44 | 17°40 | 20°36 | 13°27 | 5°32 | 0°46 | 13°59 | 22°13 | 0°12 | 1°16 | 22° 1 | 6°46 | W22 |
| T 23 | 6 29 24 | 7°39'57 | 26°16 | 20°10 | 18°51 | 21°23 | 13°40 | 5°34 | 0°49 | 14° 0 | 22°12 | 0° 9 | 1°13 | 22° 7 | 6°47 | T 23 |
| F 24 | 6 33 21 | 8°41'06 | 10♋ 5 | 21°38 | 20° 3 | 22°11 | 13°53 | 5°37 | 0°52 | 14° 2 | 22°11 | 0° 6 | 1°10 | 22°14 | 6°48 | F 24 |
| S 25 | 6 37 17 | 9°42'15 | 24° 9 | 23° 6 | 21°14 | 22°58 | 14° 6 | 5°39 | 0°55 | 14° 3 | 22°11 | 0°D 5 | 1° 6 | 22°21 | 6°48 | S 25 |
| S 26 | 6 41 14 | 10°43'23 | 8♌24 | 24°34 | 22°25 | 23°45 | 14°19 | 5°42 | 0°58 | 14° 5 | 22°10 | 0° 6 | 1° 3 | 22°27 | 6°49 | S 26 |
| M27 | 6 45 10 | 11°44'31 | 22°46 | 26° 3 | 23°36 | 24°32 | 14°33 | 5°44 | 1° 1 | 14° 6 | 22° 9 | 0° 6 | 1° 0 | 22°34 | 6°50 | M27 |
| T 28 | 6 49 7 | 12°45'39 | 7♍ 9 | 27°33 | 24°47 | 25°20 | 14°46 | 5°47 | 1° 4 | 14° 7 | 22° 9 | 0° 8 | 0°57 | 22°41 | 6°51 | T 28 |
| W29 | 6 53 3 | 13°46'46 | 21°30 | 29° 3 | 25°57 | 26° 7 | 14°59 | 5°50 | 1° 7 | 14° 9 | 22° 8 | 0° 9 | 0°54 | 22°48 | 6°52 | W29 |
| T 30 | 6 57 0 | 14°47'53 | 5♎45 | 0♑34 | 27° 8 | 26°54 | 15°13 | 5°53 | 1°10 | 14°10 | 22° 7 | 0°10 | 0°50 | 22°54 | 6°53 | T 30 |
| F 31 | 7 0 57 | 15♑49'00 | 19♎53 | 2♑ 6 | 28♒18 | 27♑42 | 15♒26 | 5♈56 | 1♐13 | 14♏11 | 22♉ 7 | 0°R10 | 0♌47 | 23♓ 1 | 6♈54 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s44 | 10n40 | 3n17 | 16s20 | 2n41 | 23s41 | 2s 2 | 24s30 | 1s 1 | 18s54 | 0s53 | 0s20 | 2s37 | 20s 1 | 0n 8 | 14s14 | 1n46 | 6n 9 | 12s44 | 20n 1 | 19n43 | 7s35 | 4n45 | 2n14 |
| T 2 | 22 50 | 5 55 | 4 10 | 16 34 | 2 36 | 23 28 | 2 2 | 24 29 | 1 2 | 18 51 | 0 53 | 0 20 | 2 37 | 20 2 | 0 8 | 14 14 | 1 46 | 6 9 | 12 44 | 20 1 | 19 44 | 7 33 | 4 45 | 2 14 |
| F 3 | 22 56 | 0 50 | 4 47 | 16 50 | 2 31 | 23 15 | 2 2 | 24 27 | 1 2 | 18 47 | 0 53 | 0 20 | 2 36 | 20 3 | 0 8 | 14 15 | 1 46 | 6 9 | 12 44 | 20 1 | 19 45 | 7 31 | 4 45 | 2 14 |
| S 4 | 23 2 | 4s16 | 5 6 | 17 7 | 2 25 | 23 2 | 2 1 | 24 25 | 1 2 | 18 44 | 0 53 | 0 20 | 2 36 | 20 3 | 0 8 | 14 15 | 1 46 | 6 9 | 12 44 | 20 2 | 19 45 | 7 29 | 4 44 | 2 14 |
| S 5 | 23 7 | 9 9 | 5 7 | 17 25 | 2 18 | 22 47 | 2 1 | 24 23 | 1 2 | 18 41 | 0 53 | 0 19 | 2 36 | 20 4 | 0 8 | 14 16 | 1 46 | 6 9 | 12 43 | 20 3 | 19 46 | 7 27 | 4 44 | 2 14 |
| M 6 | 23 12 | 13 30 | 4 50 | 17 45 | 2 11 | 22 32 | 2 1 | 24 20 | 1 2 | 18 38 | 0 53 | 0 19 | 2 35 | 20 5 | 0 8 | 14 17 | 1 46 | 6 9 | 12 43 | 20 5 | 19 47 | 7 25 | 4 44 | 2 13 |
| T 7 | 23 16 | 17 4 | 4 15 | 18 5 | 2 4 | 22 17 | 2 1 | 24 18 | 1 3 | 18 35 | 0 53 | 0 18 | 2 35 | 20 6 | 0 8 | 14 17 | 1 47 | 6 9 | 12 43 | 20 6 | 19 48 | 7 23 | 4 43 | 2 13 |
| W 8 | 23 20 | 19 38 | 3 27 | 18 27 | 1 56 | 22 1 | 2 0 | 24 15 | 1 3 | 18 31 | 0 53 | 0 18 | 2 35 | 20 6 | 0 8 | 14 18 | 1 47 | 6 9 | 12 43 | 20 8 | 19 48 | 7 20 | 4 43 | 2 13 |
| T 9 | 23 23 | 21 4 | 2 28 | 18 48 | 1 48 | 21 44 | 1 59 | 24 11 | 1 3 | 18 28 | 0 53 | 0 17 | 2 35 | 20 7 | 0 8 | 14 18 | 1 47 | 6 9 | 12 43 | 20 9 | 19 49 | 7 18 | 4 43 | 2 13 |
| F 10 | 23 26 | 21 19 | 1 22 | 19 10 | 1 40 | 21 26 | 1 59 | 24 8 | 1 3 | 18 25 | 0 53 | 0 17 | 2 34 | 20 8 | 0 8 | 14 19 | 1 47 | 6 9 | 12 43 | 20 9 | 19 50 | 7 16 | 4 43 | 2 13 |
| S 11 | 23 28 | 20 28 | 0 14 | 19 31 | 1 32 | 21 8 | 1 58 | 24 4 | 1 3 | 18 21 | 0 53 | 0 16 | 2 34 | 20 9 | 0 8 | 14 19 | 1 47 | 6 9 | 12 42 | 20 10 | 19 50 | 7 14 | 4 42 | 2 12 |
| S 12 | 23 30 | 18 37 | 0s54 | 19 53 | 1 24 | 20 49 | 1 57 | 23 59 | 1 4 | 18 18 | 0 53 | 0 15 | 2 34 | 20 9 | 0 8 | 14 20 | 1 47 | 6 9 | 12 42 | 20 10 | 19 51 | 7 12 | 4 42 | 2 12 |
| M13 | 23 31 | 15 58 | 1 58 | 20 14 | 1 16 | 20 30 | 1 56 | 23 55 | 1 4 | 18 15 | 0 53 | 0 15 | 2 33 | 20 10 | 0 8 | 14 20 | 1 47 | 6 9 | 12 42 | 20 9 | 19 52 | 7 10 | 4 42 | 2 12 |
| T 14 | 23 32 | 12 40 | 2 55 | 20 35 | 1 7 | 20 11 | 1 55 | 23 50 | 1 4 | 18 11 | 0 53 | 0 14 | 2 33 | 20 11 | 0 8 | 14 21 | 1 47 | 6 8 | 12 42 | 20 9 | 19 52 | 7 8 | 4 42 | 2 12 |
| W15 | 23 33 | 8 54 | 3 45 | 20 56 | 0 59 | 19 50 | 1 54 | 23 45 | 1 4 | 18 8 | 0 53 | 0 13 | 2 33 | 20 12 | 0 8 | 14 21 | 1 47 | 6 8 | 12 42 | 20 9 | 19 53 | 7 6 | 4 42 | 2 12 |
| T 16 | 23 33 | 4 49 | 4 25 | 21 16 | 0 51 | 19 29 | 1 52 | 23 40 | 1 4 | 18 4 | 0 53 | 0 12 | 2 33 | 20 12 | 0 8 | 14 22 | 1 47 | 6 8 | 12 41 | 20 8 | 19 54 | 7 3 | 4 42 | 2 11 |
| F 17 | 23 32 | 0 32 | 4 54 | 21 35 | 0 43 | 19 8 | 1 51 | 23 34 | 1 4 | 18 1 | 0 53 | 0 11 | 2 32 | 20 13 | 0 8 | 14 22 | 1 47 | 6 8 | 12 41 | 20 8 | 19 55 | 7 1 | 4 42 | 2 11 |
| S 18 | 23 31 | 3n49 | 5 10 | 21 54 | 0 35 | 18 46 | 1 50 | 23 28 | 1 5 | 17 57 | 0 53 | 0 10 | 2 32 | 20 14 | 0 8 | 14 22 | 1 47 | 6 8 | 12 41 | 20 9 | 19 55 | 6 59 | 4 42 | 2 11 |
| S 19 | 23 30 | 8 5 | 5 13 | 22 12 | 0 27 | 18 24 | 1 48 | 23 22 | 1 5 | 17 53 | 0 53 | 0 9 | 2 32 | 20 14 | 0 8 | 14 23 | 1 47 | 6 8 | 12 41 | 20 9 | 19 56 | 6 57 | 4 42 | 2 11 |
| M20 | 23 28 | 12 6 | 5 1 | 22 29 | 0 19 | 18 1 | 1 46 | 23 16 | 1 5 | 17 50 | 0 53 | 0 8 | 2 32 | 20 15 | 0 8 | 14 23 | 1 47 | 6 8 | 12 41 | 20 10 | 19 57 | 6 55 | 4 42 | 2 11 |
| T 21 | 23 26 | 15 42 | 4 34 | 22 45 | 0 11 | 17 38 | 1 45 | 23 9 | 1 5 | 17 46 | 0 53 | 0 7 | 2 31 | 20 16 | 0 8 | 14 24 | 1 47 | 6 8 | 12 40 | 20 11 | 19 57 | 6 53 | 4 42 | 2 11 |
| W22 | 23 23 | 18 36 | 3 52 | 23 1 | 0 3 | 17 14 | 1 43 | 23 2 | 1 5 | 17 42 | 0 53 | 0 6 | 2 31 | 20 16 | 0 8 | 14 24 | 1 47 | 6 9 | 12 40 | 20 12 | 19 58 | 6 51 | 4 42 | 2 10 |
| T 23 | 23 20 | 20 34 | 2 56 | 23 15 | 0s 4 | 16 50 | 1 41 | 22 55 | 1 5 | 17 38 | 0 53 | 0 5 | 2 31 | 20 17 | 0 8 | 14 25 | 1 47 | 6 9 | 12 40 | 20 13 | 19 59 | 6 48 | 4 42 | 2 10 |
| F 24 | 23 16 | 21 22 | 1 48 | 23 29 | 0 12 | 16 25 | 1 39 | 22 47 | 1 5 | 17 35 | 0 53 | 0 4 | 2 31 | 20 18 | 0 8 | 14 25 | 1 47 | 6 9 | 12 40 | 20 13 | 20 0 | 6 46 | 4 42 | 2 10 |
| S 25 | 23 12 | 20 51 | 0 33 | 23 41 | 0 19 | 16 0 | 1 36 | 22 39 | 1 5 | 17 31 | 0 53 | 0 3 | 2 30 | 20 18 | 0 8 | 14 25 | 1 47 | 6 9 | 12 40 | 20 13 | 20 0 | 6 44 | 4 42 | 2 10 |
| S 26 | 23 7 | 18 59 | 0n46 | 23 52 | 0 26 | 15 35 | 1 34 | 22 31 | 1 5 | 17 27 | 0 53 | 0 1 | 2 30 | 20 19 | 0 8 | 14 26 | 1 47 | 6 9 | 12 39 | 20 13 | 20 1 | 6 42 | 4 42 | 2 10 |
| M27 | 23 2 | 15 55 | 2 2 | 24 2 | 0 33 | 15 9 | 1 32 | 22 23 | 1 5 | 17 23 | 0 53 | 0n 0 | 2 30 | 20 20 | 0 8 | 14 26 | 1 47 | 6 9 | 12 39 | 20 13 | 20 2 | 6 40 | 4 42 | 2 9 |
| T 28 | 22 56 | 11 52 | 3 11 | 24 11 | 0 39 | 14 43 | 1 29 | 22 15 | 1 6 | 17 19 | 0 53 | 0 1 | 2 29 | 20 20 | 0 8 | 14 26 | 1 47 | 6 9 | 12 39 | 20 13 | 20 2 | 6 38 | 4 42 | 2 9 |
| W29 | 22 50 | 7 10 | 4 7 | 24 19 | 0 46 | 14 17 | 1 26 | 22 6 | 1 6 | 17 15 | 0 53 | 0 3 | 2 29 | 20 21 | 0 8 | 14 27 | 1 47 | 6 9 | 12 39 | 20 13 | 20 3 | 6 36 | 4 43 | 2 9 |
| T 30 | 22 43 | 2 7 | 4 48 | 24 25 | 0 52 | 13 50 | 1 24 | 21 57 | 1 6 | 17 11 | 0 53 | 0 4 | 2 29 | 20 21 | 0 8 | 14 27 | 1 47 | 6 9 | 12 38 | 20 13 | 20 4 | 6 33 | 4 43 | 2 9 |
| F 31 | 22s36 | 3s 0 | 5n11 | 24s30 | 0s58 | 13s23 | 1s21 | 21s47 | 1s 6 | 17s 7 | 0s53 | 0n 6 | 2s29 | 20s22 | 0n 8 | 14s28 | 1n48 | 6n 9 | 12s38 | 20n12 | 20n 4 | 6s31 | 4n43 | 2n 9 |

Julian Day Number = 2138872.5, Delta T = 15m34s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'17, Lahiri = 11°55'17 Julian Calendar 1 Dec. 1143 == Greg. Calendar 8 Dec. 1143


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## JANUARY 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 4 53 | 16♑50'06 | 3♏51 | 3♑38 | 29♒29 | 28♑29 | 15♒39 | 5♈59 | 1♐16 | 14♏13 | 22°R 6 | 0°R 9 | 0♌44 | 23♓ 8 | 6♈55 | S 1 |
| S 2 | 7 8 50 | 17°51'12 | 17°39 | 5°11 | 0♓39 | 29°16 | 15°53 | 6° 3 | 1°19 | 14°14 | 22♉ 5 | 0♌ 8 | 0°41 | 23°14 | 6°56 | S 2 |
| M 3 | 7 12 46 | 18°52'18 | 1♐15 | 6°44 | 1°49 | 0♒ 4 | 16° 7 | 6° 6 | 1°22 | 14°15 | 22° 5 | 0° 7 | 0°38 | 23°21 | 6°57 | M 3 |
| T 4 | 7 16 43 | 19°53'23 | 14°38 | 8°18 | 2°59 | 0°51 | 16°20 | 6° 9 | 1°24 | 14°16 | 22° 4 | 0° 5 | 0°35 | 23°28 | 6°59 | T 4 |
| W 5 | 7 20 39 | 20°54'27 | 27°48 | 9°52 | 4° 9 | 1°38 | 16°34 | 6°13 | 1°27 | 14°18 | 22° 4 | 0° 4 | 0°31 | 23°34 | 7° 0 | W 5 |
| T 6 | 7 24 36 | 21°55'31 | 10♑45 | 11°27 | 5°18 | 2°26 | 16°48 | 6°17 | 1°30 | 14°19 | 22° 3 | 0° 3 | 0°28 | 23°41 | 7° 1 | T 6 |
| F 7 | 7 28 32 | 22°56'34 | 23°27 | 13° 3 | 6°28 | 3°13 | 17° 2 | 6°20 | 1°33 | 14°20 | 22° 3 | 0° 3 | 0°25 | 23°48 | 7° 3 | F 7 |
| S 8 | 7 32 29 | 23°57'36 | 5♒57 | 14°39 | 7°37 | 4° 1 | 17°15 | 6°24 | 1°35 | 14°21 | 22° 2 | 0°D 3 | 0°22 | 23°55 | 7° 4 | S 8 |
| S 9 | 7 36 26 | 24°58'37 | 18°14 | 16°16 | 8°47 | 4°48 | 17°29 | 6°28 | 1°38 | 14°22 | 22° 2 | 0° 3 | 0°19 | 24° 1 | 7° 6 | S 9 |
| M10 | 7 40 22 | 25°59'36 | 0♓19 | 17°53 | 9°56 | 5°36 | 17°43 | 6°32 | 1°40 | 14°23 | 22° 1 | 0° 3 | 0°16 | 24° 8 | 7° 7 | M10 |
| T 11 | 7 44 19 | 27° 0'35 | 12°17 | 19°31 | 11° 5 | 6°23 | 17°57 | 6°36 | 1°43 | 14°24 | 22° 1 | 0° 4 | 0°12 | 24°15 | 7° 9 | T 11 |
| W12 | 7 48 15 | 28° 1'32 | 24° 9 | 21°10 | 12°13 | 7°11 | 18°11 | 6°41 | 1°45 | 14°25 | 22° 1 | 0° 4 | 0° 9 | 24°21 | 7°11 | W12 |
| T 13 | 7 52 12 | 29° 2'28 | 5♈59 | 22°50 | 13°22 | 7°58 | 18°25 | 6°45 | 1°48 | 14°26 | 22° 0 | 0° 4 | 0° 6 | 24°28 | 7°12 | T 13 |
| F 14 | 7 56 8 | 0♒ 3'23 | 17°52 | 24°30 | 14°30 | 8°45 | 18°39 | 6°49 | 1°50 | 14°27 | 22° 0 | 0°R 4 | 0° 3 | 24°35 | 7°14 | F 14 |
| S 15 | 8 0 5 | 1° 4'16 | 29°52 | 26°11 | 15°38 | 9°33 | 18°53 | 6°54 | 1°52 | 14°27 | 22° 0 | 0°D 4 | 29♋59 | 24°41 | 7°16 | S 15 |
| S 16 | 8 4 1 | 2° 5'08 | 12♉ 3 | 27°53 | 16°46 | 10°20 | 19° 7 | 6°59 | 1°55 | 14°28 | 21°59 | 0° 4 | 29°56 | 24°48 | 7°18 | S 16 |
| M17 | 8 7 58 | 3° 5'58 | 24°31 | 29°35 | 17°54 | 11° 8 | 19°22 | 7° 3 | 1°57 | 14°29 | 21°59 | 0° 5 | 29°53 | 24°55 | 7°20 | M17 |
| T 18 | 8 11 55 | 4° 6'47 | 7♊19 | 1♒19 | 19° 2 | 11°55 | 19°36 | 7° 8 | 1°59 | 14°30 | 21°59 | 0° 5 | 29°50 | 25° 1 | 7°22 | T 18 |
| W19 | 8 15 51 | 5° 7'35 | 20°30 | 3° 3 | 20° 9 | 12°43 | 19°50 | 7°13 | 2° 1 | 14°31 | 21°58 | 0° 5 | 29°47 | 25° 8 | 7°24 | W19 |
| T 20 | 8 19 48 | 6° 8'21 | 4♋ 6 | 4°47 | 21°16 | 13°30 | 20° 4 | 7°18 | 2° 3 | 14°31 | 21°58 | 0° 6 | 29°44 | 25°15 | 7°26 | T 20 |
| F 21 | 8 23 44 | 7° 9'05 | 18° 7 | 6°33 | 22°23 | 14°18 | 20°18 | 7°23 | 2° 5 | 14°32 | 21°58 | 0° 6 | 29°41 | 25°22 | 7°28 | F 21 |
| S 22 | 8 27 41 | 8° 9'48 | 2♌29 | 8°19 | 23°30 | 15° 5 | 20°33 | 7°28 | 2° 7 | 14°32 | 21°58 | 0°R 6 | 29°37 | 25°28 | 7°30 | S 22 |
| S 23 | 8 31 37 | 9°10'30 | 17° 9 | 10° 6 | 24°36 | 15°53 | 20°47 | 7°33 | 2° 9 | 14°33 | 21°58 | 0° 6 | 29°34 | 25°35 | 7°32 | S 23 |
| M24 | 8 35 34 | 10°11'10 | 1♍59 | 11°54 | 25°42 | 16°40 | 21° 1 | 7°38 | 2°11 | 14°34 | 21°58 | 0° 5 | 29°31 | 25°42 | 7°35 | M24 |
| T 25 | 8 39 30 | 11°11'48 | 16°51 | 13°43 | 26°48 | 17°27 | 21°16 | 7°43 | 2°13 | 14°34 | 21°58 | 0° 4 | 29°28 | 25°48 | 7°37 | T 25 |
| W26 | 8 43 27 | 12°12'26 | 1♎38 | 15°32 | 27°54 | 18°15 | 21°30 | 7°49 | 2°15 | 14°35 | 21°57 | 0° 3 | 29°25 | 25°55 | 7°39 | W26 |
| T 27 | 8 47 24 | 13°13'02 | 16°13 | 17°22 | 28°59 | 19° 2 | 21°44 | 7°54 | 2°17 | 14°35 | 21°57 | 0° 1 | 29°22 | 26° 2 | 7°42 | T 27 |
| F 28 | 8 51 20 | 14°13'37 | 0♏32 | 19°12 | 0♈ 4 | 19°50 | 21°59 | 8° 0 | 2°18 | 14°35 | 21°57 | 0° 0 | 29°18 | 26° 8 | 7°44 | F 28 |
| S 29 | 8 55 17 | 15°14'10 | 14°32 | 21° 3 | 1° 9 | 20°37 | 22°13 | 8° 5 | 2°20 | 14°36 | 21°57 | 29°D59 | 29°15 | 26°15 | 7°47 | S 29 |
| S 30 | 8 59 13 | 16°14'43 | 28°12 | 22°54 | 2°14 | 21°24 | 22°27 | 8°11 | 2°22 | 14°36 | 21°D57 | 0° 0 | 29°12 | 26°22 | 7°49 | S 30 |
| M31 | 9 3 10 | 17♒15'14 | 11♐34 | 24♒46 | 3♈18 | 22♒12 | 22♒42 | 8♈17 | 2♐23 | 14♏36 | 21♉57 | 0♌ 1 | 29♋ 9 | 26♓29 | 7♈52 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s29 | 7s54 | 5n16 | 24s34 | 1s 4 | 12s55 | 1s18 | 21s38 | 1s 6 | 17s 3 | 0s53 | 0n 7 | 2s28 | 20s23 | 0n 8 | 14s28 | 1n48 | 6n 9 | 12s38 | 20n13 | 20n 5 | 6s29 | 4n43 | 2n 9 |
| S 2 | 22 21 | 12 20 | 5 2 | 24 37 | 1 10 | 12 28 | 1 15 | 21 28 | 1 6 | 16 59 | 0 53 | 0 9 | 2 28 | 20 23 | 0 8 | 14 28 | 1 48 | 6 9 | 12 38 | 20 13 | 20 6 | 6 27 | 4 44 | 2 8 |
| M 3 | 22 13 | 16 5 | 4 31 | 24 38 | 1 16 | 12 0 | 1 12 | 21 18 | 1 6 | 16 55 | 0 53 | 0 10 | 2 28 | 20 24 | 0 8 | 14 28 | 1 48 | 6 9 | 12 37 | 20 13 | 20 6 | 6 25 | 4 44 | 2 8 |
| T 4 | 22 4 | 18 55 | 3 46 | 24 38 | 1 21 | 11 31 | 1 9 | 21 8 | 1 6 | 16 51 | 0 53 | 0 12 | 2 28 | 20 24 | 0 8 | 14 29 | 1 48 | 6 10 | 12 37 | 20 13 | 20 7 | 6 22 | 4 44 | 2 8 |
| W 5 | 21 55 | 20 42 | 2 49 | 24 36 | 1 26 | 11 3 | 1 5 | 20 57 | 1 6 | 16 47 | 0 53 | 0 14 | 2 27 | 20 25 | 0 8 | 14 29 | 1 48 | 6 10 | 12 37 | 20 14 | 20 8 | 6 20 | 4 45 | 2 8 |
| T 6 | 21 45 | 21 22 | 1 45 | 24 33 | 1 30 | 10 34 | 1 2 | 20 46 | 1 6 | 16 43 | 0 53 | 0 15 | 2 27 | 20 25 | 0 8 | 14 29 | 1 48 | 6 10 | 12 37 | 20 14 | 20 9 | 6 18 | 4 45 | 2 8 |
| F 7 | 21 35 | 20 54 | 0 36 | 24 29 | 1 35 | 10 5 | 0 59 | 20 35 | 1 6 | 16 38 | 0 53 | 0 17 | 2 27 | 20 26 | 0 8 | 14 30 | 1 48 | 6 10 | 12 36 | 20 14 | 20 9 | 6 16 | 4 45 | 2 7 |
| S 8 | 21 25 | 19 24 | 0s33 | 24 23 | 1 39 | 9 36 | 0 55 | 20 24 | 1 6 | 16 34 | 0 53 | 0 19 | 2 27 | 20 26 | 0 8 | 14 30 | 1 48 | 6 10 | 12 36 | 20 14 | 20 10 | 6 14 | 4 46 | 2 7 |
| S 9 | 21 14 | 17 1 | 1 39 | 24 15 | 1 43 | 9 6 | 0 51 | 20 13 | 1 6 | 16 30 | 0 53 | 0 20 | 2 26 | 20 27 | 0 8 | 14 30 | 1 48 | 6 10 | 12 36 | 20 14 | 20 11 | 6 12 | 4 46 | 2 7 |
| M10 | 21 3 | 13 54 | 2 40 | 24 7 | 1 47 | 8 37 | 0 48 | 20 1 | 1 6 | 16 26 | 0 53 | 0 22 | 2 26 | 20 28 | 0 8 | 14 30 | 1 48 | 6 10 | 12 35 | 20 14 | 20 11 | 6 9 | 4 47 | 2 7 |
| T 11 | 20 51 | 10 16 | 3 34 | 23 56 | 1 50 | 8 7 | 0 44 | 19 49 | 1 6 | 16 21 | 0 53 | 0 24 | 2 26 | 20 28 | 0 8 | 14 31 | 1 48 | 6 11 | 12 35 | 20 14 | 20 12 | 6 7 | 4 47 | 2 7 |
| W12 | 20 39 | 6 16 | 4 17 | 23 44 | 1 53 | 7 37 | 0 40 | 19 37 | 1 6 | 16 17 | 0 53 | 0 26 | 2 26 | 20 29 | 0 8 | 14 31 | 1 48 | 6 11 | 12 35 | 20 14 | 20 13 | 6 5 | 4 48 | 2 7 |
| T 13 | 20 27 | 2 3 | 4 50 | 23 30 | 1 56 | 7 7 | 0 36 | 19 25 | 1 6 | 16 13 | 0 53 | 0 28 | 2 25 | 20 29 | 0 8 | 14 31 | 1 48 | 6 11 | 12 35 | 20 14 | 20 13 | 6 3 | 4 48 | 2 6 |
| F 14 | 20 14 | 2n15 | 5 10 | 23 15 | 1 58 | 6 37 | 0 32 | 19 12 | 1 6 | 16 8 | 0 53 | 0 30 | 2 25 | 20 29 | 0 8 | 14 31 | 1 48 | 6 11 | 12 34 | 20 14 | 20 14 | 6 1 | 4 49 | 2 6 |
| S 15 | 20 1 | 6 31 | 5 18 | 22 58 | 2 0 | 6 6 | 0 27 | 19 0 | 1 5 | 16 4 | 0 53 | 0 32 | 2 25 | 20 30 | 0 8 | 14 31 | 1 48 | 6 11 | 12 34 | 20 14 | 20 15 | 5 58 | 4 49 | 2 6 |
| S 16 | 19 47 | 10 35 | 5 11 | 22 40 | 2 1 | 5 36 | 0 23 | 18 47 | 1 5 | 16 0 | 0 53 | 0 34 | 2 25 | 20 30 | 0 8 | 14 32 | 1 48 | 6 12 | 12 34 | 20 14 | 20 15 | 5 56 | 4 50 | 2 6 |
| M17 | 19 33 | 14 18 | 4 49 | 22 20 | 2 3 | 5 5 | 0 19 | 18 34 | 1 5 | 15 55 | 0 53 | 0 36 | 2 25 | 20 31 | 0 8 | 14 32 | 1 48 | 6 12 | 12 33 | 20 14 | 20 16 | 5 54 | 4 51 | 2 6 |
| T 18 | 19 19 | 17 28 | 4 13 | 21 58 | 2 3 | 4 35 | 0 14 | 18 20 | 1 5 | 15 51 | 0 53 | 0 38 | 2 24 | 20 31 | 0 8 | 14 32 | 1 49 | 6 12 | 12 33 | 20 14 | 20 17 | 5 52 | 4 51 | 2 6 |
| W19 | 19 4 | 19 50 | 3 23 | 21 34 | 2 4 | 4 4 | 0 9 | 18 7 | 1 5 | 15 46 | 0 53 | 0 40 | 2 24 | 20 32 | 0 8 | 14 32 | 1 49 | 6 12 | 12 33 | 20 13 | 20 17 | 5 50 | 4 52 | 2 5 |
| T 20 | 18 49 | 21 10 | 2 19 | 21 9 | 2 4 | 3 33 | 0 5 | 17 53 | 1 5 | 15 42 | 0 53 | 0 42 | 2 24 | 20 32 | 0 8 | 14 32 | 1 49 | 6 12 | 12 33 | 20 13 | 20 18 | 5 47 | 4 53 | 2 5 |
| F 21 | 18 34 | 21 14 | 1 6 | 20 43 | 2 3 | 3 2 | 0 0 | 17 39 | 1 5 | 15 37 | 0 53 | 0 44 | 2 24 | 20 33 | 0 8 | 14 32 | 1 49 | 6 13 | 12 32 | 20 13 | 20 19 | 5 45 | 4 53 | 2 5 |
| S 22 | 18 19 | 19 55 | 0n13 | 20 14 | 2 2 | 2 31 | 0n 5 | 17 25 | 1 5 | 15 33 | 0 53 | 0 47 | 2 24 | 20 33 | 0 8 | 14 33 | 1 49 | 6 13 | 12 32 | 20 13 | 20 19 | 5 43 | 4 54 | 2 5 |
| S 23 | 18 3 | 17 15 | 1 33 | 19 44 | 2 1 | 2 0 | 0 10 | 17 11 | 1 5 | 15 28 | 0 53 | 0 49 | 2 23 | 20 33 | 0 8 | 14 33 | 1 49 | 6 13 | 12 32 | 20 13 | 20 20 | 5 41 | 4 55 | 2 5 |
| M24 | 17 46 | 13 26 | 2 48 | 19 12 | 1 59 | 1 29 | 0 15 | 16 56 | 1 5 | 15 24 | 0 53 | 0 51 | 2 23 | 20 34 | 0 8 | 14 33 | 1 49 | 6 13 | 12 31 | 20 13 | 20 21 | 5 38 | 4 56 | 2 5 |
| T 25 | 17 30 | 8 46 | 3 51 | 18 39 | 1 56 | 0 58 | 0 20 | 16 42 | 1 4 | 15 19 | 0 53 | 0 53 | 2 23 | 20 34 | 0 8 | 14 33 | 1 49 | 6 14 | 12 31 | 20 14 | 20 21 | 5 36 | 4 56 | 2 4 |
| W26 | 17 13 | 3 36 | 4 39 | 18 4 | 1 53 | 0 28 | 0 25 | 16 27 | 1 4 | 15 14 | 0 53 | 0 56 | 2 23 | 20 35 | 0 8 | 14 33 | 1 49 | 6 14 | 12 31 | 20 14 | 20 22 | 5 34 | 4 57 | 2 4 |
| T 27 | 16 56 | 1s41 | 5 7 | 17 27 | 1 50 | 0n 3 | 0 30 | 16 12 | 1 4 | 15 10 | 0 53 | 0 58 | 2 22 | 20 35 | 0 8 | 14 33 | 1 49 | 6 14 | 12 31 | 20 14 | 20 23 | 5 32 | 4 58 | 2 4 |
| F 28 | 16 38 | 6 46 | 5 16 | 16 48 | 1 46 | 0 34 | 0 35 | 15 57 | 1 4 | 15 5 | 0 53 | 1 0 | 2 22 | 20 35 | 0 8 | 14 33 | 1 49 | 6 14 | 12 30 | 20 15 | 20 23 | 5 30 | 4 59 | 2 4 |
| S 29 | 16 20 | 11 23 | 5 6 | 16 8 | 1 41 | 1 5 | 0 41 | 15 42 | 1 4 | 15 1 | 0 53 | 1 3 | 2 22 | 20 36 | 0 8 | 14 33 | 1 49 | 6 15 | 12 30 | 20 15 | 20 24 | 5 27 | 5 0 | 2 4 |
| S 30 | 16 2 | 15 19 | 4 39 | 15 27 | 1 36 | 1 36 | 0 46 | 15 26 | 1 4 | 14 56 | 0 53 | 1 5 | 2 22 | 20 36 | 0 8 | 14 33 | 1 49 | 6 15 | 12 30 | 20 15 | 20 25 | 5 25 | 5 0 | 2 4 |
| M31 | 15s44 | 18s21 | 3n57 | 14s44 | 1s30 | 2n 6 | 0n52 | 15s11 | 1s 3 | 14s51 | 0s53 | 1n 8 | 2s22 | 20s36 | 0n 8 | 14s33 | 1n49 | 6n15 | 12s29 | 20n14 | 20n25 | 5s23 | 5n 1 | 2n 3 |

Julian Day Number = 2138903.5, Delta T = 15m34s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'21, Lahiri = 11°55'22 Julian Calendar 1 Jan. 1144 == Greg. Calendar 8 Jan. 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## FEBRUARY 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 7 6 | 18♒15'44 | 24♐37 | 26♒38 | 4♈22 | 22♒59 | 22♒56 | 8♈22 | 2♐25 | 14♏37 | 21♉57 | 0♌ 3 | 29♋ 6 | 26♓35 | 7♈54 | T 1 |
| W 2 | 9 11 3 | 19°16'12 | 7♑25 | 28°29 | 5°25 | 23°46 | 23°11 | 8°28 | 2°26 | 14°37 | 21°57 | 0° 4 | 29° 2 | 26°42 | 7°57 | W 2 |
| T 3 | 9 14 59 | 20°16'39 | 20° 0 | 0♓21 | 6°29 | 24°34 | 23°25 | 8°34 | 2°28 | 14°37 | 21°57 | 0° 5 | 28°59 | 26°49 | 8° 0 | T 3 |
| F 4 | 9 18 56 | 21°17'05 | 2♒24 | 2°12 | 7°32 | 25°21 | 23°40 | 8°40 | 2°29 | 14°37 | 21°58 | 0°R 5 | 28°56 | 26°55 | 8° 2 | F 4 |
| S 5 | 9 22 53 | 22°17'29 | 14°38 | 4° 2 | 8°34 | 26° 8 | 23°54 | 8°46 | 2°30 | 14°38 | 21°58 | 0° 5 | 28°53 | 27° 2 | 8° 5 | S 5 |
| S 6 | 9 26 49 | 23°17'51 | 26°43 | 5°51 | 9°37 | 26°56 | 24° 9 | 8°52 | 2°32 | 14°38 | 21°58 | 0° 3 | 28°50 | 27° 9 | 8° 8 | S 6 |
| M 7 | 9 30 46 | 24°18'11 | 8♓42 | 7°39 | 10°39 | 27°43 | 24°23 | 8°58 | 2°33 | 14°38 | 21°58 | 29♋59 | 28°47 | 27°15 | 8°11 | M 7 |
| T 8 | 9 34 42 | 25°18'29 | 20°36 | 9°25 | 11°40 | 28°30 | 24°37 | 9° 5 | 2°34 | 14°38 | 21°58 | 29°55 | 28°43 | 27°22 | 8°13 | T 8 |
| W 9 | 9 38 39 | 26°18'45 | 2♈27 | 11° 9 | 12°41 | 29°17 | 24°52 | 9°11 | 2°35 | 14°R38 | 21°58 | 29°50 | 28°40 | 27°29 | 8°16 | W 9 |
| T 10 | 9 42 35 | 27°19'00 | 14°18 | 12°49 | 13°42 | 0♓ 5 | 25° 6 | 9°17 | 2°36 | 14°38 | 21°59 | 29°46 | 28°37 | 27°36 | 8°19 | T 10 |
| F 11 | 9 46 32 | 28°19'12 | 26°11 | 14°27 | 14°42 | 0°52 | 25°21 | 9°24 | 2°37 | 14°38 | 21°59 | 29°41 | 28°34 | 27°42 | 8°22 | F 11 |
| S 12 | 9 50 28 | 29°19'22 | 8♉10 | 16° 0 | 15°42 | 1°39 | 25°35 | 9°30 | 2°38 | 14°38 | 21°59 | 29°38 | 28°31 | 27°49 | 8°25 | S 12 |
| S 13 | 9 54 25 | 0♓19'31 | 20°18 | 17°29 | 16°42 | 2°26 | 25°50 | 9°37 | 2°39 | 14°37 | 22° 0 | 29°36 | 28°28 | 27°56 | 8°28 | S 13 |
| M14 | 9 58 21 | 1°19'37 | 2♊41 | 18°53 | 17°40 | 3°13 | 26° 4 | 9°43 | 2°40 | 14°37 | 22° 0 | 29°D36 | 28°24 | 28° 2 | 8°31 | M14 |
| T 15 | 10 2 18 | 2°19'41 | 15°23 | 20°12 | 18°39 | 4° 0 | 26°19 | 9°50 | 2°41 | 14°37 | 22° 0 | 29°36 | 28°21 | 28° 9 | 8°34 | T 15 |
| W16 | 10 6 15 | 3°19'42 | 28°27 | 21°24 | 19°37 | 4°48 | 26°33 | 9°56 | 2°42 | 14°37 | 22° 1 | 29°38 | 28°18 | 28°16 | 8°37 | W16 |
| T 17 | 10 10 11 | 4°19'42 | 11♋58 | 22°30 | 20°34 | 5°35 | 26°47 | 10° 3 | 2°42 | 14°37 | 22° 1 | 29°39 | 28°15 | 28°23 | 8°40 | T 17 |
| F 18 | 10 14 8 | 5°19'39 | 25°56 | 23°28 | 21°31 | 6°22 | 27° 2 | 10°10 | 2°43 | 14°36 | 22° 1 | 29°R40 | 28°12 | 28°29 | 8°44 | F 18 |
| S 19 | 10 18 4 | 6°19'35 | 10♌22 | 24°19 | 22°28 | 7° 9 | 27°16 | 10°17 | 2°44 | 14°36 | 22° 2 | 29°40 | 28° 8 | 28°36 | 8°47 | S 19 |
| S 20 | 10 22 1 | 7°19'28 | 25°11 | 25° 2 | 23°23 | 7°56 | 27°30 | 10°23 | 2°44 | 14°36 | 22° 2 | 29°38 | 28° 5 | 28°43 | 8°50 | S 20 |
| M21 | 10 25 57 | 8°19'19 | 10♍17 | 25°37 | 24°18 | 8°43 | 27°45 | 10°30 | 2°45 | 14°35 | 22° 3 | 29°34 | 28° 2 | 28°49 | 8°53 | M21 |
| T 22 | 10 29 54 | 9°19'07 | 25°31 | 26° 3 | 25°13 | 9°30 | 27°59 | 10°37 | 2°45 | 14°35 | 22° 3 | 29°28 | 27°59 | 28°56 | 8°56 | T 22 |
| W23 | 10 33 50 | 10°18'54 | 10♎42 | 26°20 | 26° 7 | 10°16 | 28°13 | 10°44 | 2°46 | 14°34 | 22° 4 | 29°22 | 27°56 | 29° 3 | 9° 0 | W23 |
| T 24 | 10 37 47 | 11°18'39 | 25°40 | 26°29 | 27° 0 | 11° 3 | 28°28 | 10°51 | 2°46 | 14°34 | 22° 4 | 29°16 | 27°53 | 29° 9 | 9° 3 | T 24 |
| F 25 | 10 41 44 | 12°18'23 | 10♏17 | 26°R29 | 27°53 | 11°50 | 28°42 | 10°58 | 2°46 | 14°33 | 22° 5 | 29°11 | 27°49 | 29°16 | 9° 6 | F 25 |
| S 26 | 10 45 40 | 13°18'04 | 24°29 | 26°21 | 28°45 | 12°37 | 28°56 | 11° 5 | 2°46 | 14°33 | 22° 5 | 29° 8 | 27°46 | 29°23 | 9°10 | S 26 |
| S 27 | 10 49 37 | 14°17'44 | 8♐14 | 26° 5 | 29°36 | 13°24 | 29°10 | 11°12 | 2°47 | 14°32 | 22° 6 | 29° 6 | 27°43 | 29°30 | 9°13 | S 27 |
| M28 | 10 53 33 | 15°17'23 | 21°34 | 25°42 | 0♑26 | 14°10 | 29°25 | 11°20 | 2°47 | 14°32 | 22° 7 | 29°D 6 | 27°40 | 29°36 | 9°16 | M28 |
| T 29 | 10 57 30 | 16♓16'59 | 4♑30 | 25♓11 | 1♑16 | 14♓57 | 29♒39 | 11♈27 | 2♐47 | 14♏31 | 22♉ 7 | 29♋ 7 | 27♋37 | 29♓43 | 9♈20 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15s26 | 20s23 | 3n 4 | 14s 0 | 1s23 | 2n37 | 0n57 | 14s55 | 1s 3 | 14s46 | 0s53 | 1n10 | 2s22 | 20s37 | 0n 8 | 14s33 | 1n49 | 6n16 | 12s29 | 20n14 | 20n26 | 5s21 | 5n 2 | 2n 3 | T 1 |
| W 2 | 15 7 | 21 19 | 2 2 | 13 14 | 1 16 | 3 7 | 1 3 | 14 39 | 1 3 | 14 42 | 0 54 | 1 13 | 2 21 | 20 37 | 0 8 | 14 33 | 1 49 | 6 16 | 12 29 | 20 14 | 20 27 | 5 18 | 5 3 | 2 3 | W 2 |
| T 3 | 14 48 | 21 8 | 0 55 | 12 28 | 1 8 | 3 38 | 1 8 | 14 23 | 1 3 | 14 37 | 0 54 | 1 15 | 2 21 | 20 37 | 0 8 | 14 33 | 1 49 | 6 16 | 12 28 | 20 14 | 20 27 | 5 16 | 5 4 | 2 3 | T 3 |
| F 4 | 14 28 | 19 55 | 0s13 | 11 40 | 0 59 | 4 8 | 1 14 | 14 7 | 1 3 | 14 32 | 0 54 | 1 18 | 2 21 | 20 37 | 0 8 | 14 33 | 1 50 | 6 17 | 12 28 | 20 13 | 20 28 | 5 14 | 5 5 | 2 3 | F 4 |
| S 5 | 14 9 | 17 47 | 1 19 | 10 51 | 0 50 | 4 38 | 1 20 | 13 51 | 1 3 | 14 28 | 0 54 | 1 20 | 2 21 | 20 38 | 0 8 | 14 33 | 1 50 | 6 17 | 12 28 | 20 14 | 20 29 | 5 12 | 5 6 | 2 3 | S 5 |
| S 6 | 13 49 | 14 53 | 2 21 | 10 2 | 0 40 | 5 8 | 1 26 | 13 34 | 1 2 | 14 23 | 0 54 | 1 23 | 2 21 | 20 38 | 0 8 | 14 33 | 1 50 | 6 17 | 12 28 | 20 14 | 20 29 | 5 9 | 5 7 | 2 3 | S 6 |
| M 7 | 13 29 | 11 23 | 3 17 | 9 12 | 0 30 | 5 38 | 1 32 | 13 18 | 1 2 | 14 18 | 0 54 | 1 25 | 2 20 | 20 38 | 0 8 | 14 33 | 1 50 | 6 18 | 12 27 | 20 15 | 20 30 | 5 7 | 5 8 | 2 2 | M 7 |
| T 8 | 13 9 | 7 27 | 4 3 | 8 22 | 0 18 | 6 8 | 1 38 | 13 1 | 1 2 | 14 13 | 0 54 | 1 28 | 2 20 | 20 38 | 0 8 | 14 33 | 1 50 | 6 18 | 12 27 | 20 16 | 20 31 | 5 5 | 5 9 | 2 2 | T 8 |
| W 9 | 12 48 | 3 16 | 4 38 | 7 31 | 0 7 | 6 37 | 1 44 | 12 44 | 1 2 | 14 8 | 0 54 | 1 31 | 2 20 | 20 39 | 0 8 | 14 33 | 1 50 | 6 18 | 12 27 | 20 17 | 20 31 | 5 3 | 5 10 | 2 2 | W 9 |
| T 10 | 12 28 | 1n 2 | 5 2 | 6 41 | 0n 6 | 7 7 | 1 50 | 12 27 | 1 1 | 14 4 | 0 54 | 1 33 | 2 20 | 20 39 | 0 8 | 14 33 | 1 50 | 6 19 | 12 26 | 20 18 | 20 32 | 5 0 | 5 11 | 2 2 | T 10 |
| F 11 | 12 7 | 5 18 | 5 12 | 5 52 | 0 19 | 7 36 | 1 56 | 12 10 | 1 1 | 13 59 | 0 54 | 1 36 | 2 20 | 20 39 | 0 8 | 14 33 | 1 50 | 6 19 | 12 26 | 20 19 | 20 33 | 4 58 | 5 12 | 2 2 | F 11 |
| S 12 | 11 46 | 9 24 | 5 10 | 5 3 | 0 32 | 8 5 | 2 2 | 11 53 | 1 1 | 13 54 | 0 54 | 1 38 | 2 20 | 20 39 | 0 8 | 14 33 | 1 50 | 6 19 | 12 26 | 20 19 | 20 33 | 4 56 | 5 13 | 2 2 | S 12 |
| S 13 | 11 25 | 13 12 | 4 53 | 4 16 | 0 46 | 8 33 | 2 8 | 11 36 | 1 1 | 13 49 | 0 54 | 1 41 | 2 20 | 20 39 | 0 8 | 14 33 | 1 50 | 6 20 | 12 25 | 20 20 | 20 34 | 4 54 | 5 14 | 2 2 | S 13 |
| M14 | 11 3 | 16 30 | 4 22 | 3 30 | 0 59 | 9 2 | 2 14 | 11 18 | 1 0 | 13 44 | 0 54 | 1 44 | 2 19 | 20 40 | 0 8 | 14 33 | 1 50 | 6 20 | 12 25 | 20 20 | 20 34 | 4 51 | 5 15 | 2 1 | M14 |
| T 15 | 10 42 | 19 7 | 3 39 | 2 46 | 1 14 | 9 30 | 2 20 | 11 1 | 1 0 | 13 39 | 0 54 | 1 47 | 2 19 | 20 40 | 0 8 | 14 33 | 1 50 | 6 20 | 12 25 | 20 20 | 20 35 | 4 49 | 5 16 | 2 1 | T 15 |
| W16 | 10 20 | 20 50 | 2 42 | 2 5 | 1 28 | 9 58 | 2 27 | 10 43 | 1 0 | 13 35 | 0 54 | 1 49 | 2 19 | 20 40 | 0 8 | 14 32 | 1 50 | 6 21 | 12 25 | 20 19 | 20 36 | 4 47 | 5 17 | 2 1 | W16 |
| T 17 | 9 58 | 21 26 | 1 35 | 1 26 | 1 42 | 10 26 | 2 33 | 10 26 | 1 0 | 13 30 | 0 55 | 1 52 | 2 19 | 20 40 | 0 8 | 14 32 | 1 50 | 6 21 | 12 24 | 20 19 | 20 36 | 4 44 | 5 18 | 2 1 | T 17 |
| F 18 | 9 36 | 20 43 | 0 20 | 0 50 | 1 56 | 10 53 | 2 39 | 10 8 | 0 59 | 13 25 | 0 55 | 1 55 | 2 19 | 20 40 | 0 8 | 14 32 | 1 50 | 6 21 | 12 24 | 20 19 | 20 37 | 4 42 | 5 20 | 2 1 | F 18 |
| S 19 | 9 14 | 18 39 | 0n58 | 0 17 | 2 10 | 11 20 | 2 45 | 9 50 | 0 59 | 13 20 | 0 55 | 1 58 | 2 19 | 20 40 | 0 8 | 14 32 | 1 50 | 6 22 | 12 24 | 20 19 | 20 38 | 4 40 | 5 21 | 2 1 | S 19 |
| S 20 | 8 52 | 15 18 | 2 14 | 0n12 | 2 23 | 11 47 | 2 52 | 9 32 | 0 59 | 13 15 | 0 55 | 2 1 | 2 19 | 20 40 | 0 8 | 14 32 | 1 51 | 6 22 | 12 23 | 20 19 | 20 38 | 4 38 | 5 22 | 2 1 | S 20 |
| M21 | 8 29 | 10 52 | 3 23 | 0 37 | 2 35 | 12 13 | 2 58 | 9 14 | 0 58 | 13 10 | 0 55 | 2 3 | 2 18 | 20 40 | 0 8 | 14 32 | 1 51 | 6 23 | 12 23 | 20 20 | 20 39 | 4 35 | 5 23 | 2 1 | M21 |
| T 22 | 8 7 | 5 43 | 4 17 | 0 59 | 2 47 | 12 40 | 3 5 | 8 56 | 0 58 | 13 5 | 0 55 | 2 6 | 2 18 | 20 41 | 0 8 | 14 31 | 1 51 | 6 23 | 12 23 | 20 21 | 20 40 | 4 33 | 5 24 | 2 0 | T 22 |
| W23 | 7 44 | 0 15 | 4 53 | 1 16 | 2 58 | 13 5 | 3 11 | 8 38 | 0 58 | 13 0 | 0 55 | 2 9 | 2 18 | 20 41 | 0 8 | 14 31 | 1 51 | 6 23 | 12 23 | 20 23 | 20 40 | 4 31 | 5 25 | 2 0 | W23 |
| T 24 | 7 21 | 5s10 | 5 9 | 1 28 | 3 8 | 13 31 | 3 17 | 8 20 | 0 57 | 12 55 | 0 55 | 2 12 | 2 18 | 20 41 | 0 8 | 14 31 | 1 51 | 6 24 | 12 22 | 20 24 | 20 41 | 4 29 | 5 27 | 2 0 | T 24 |
| F 25 | 6 58 | 10 10 | 5 4 | 1 36 | 3 17 | 13 56 | 3 24 | 8 2 | 0 57 | 12 51 | 0 55 | 2 15 | 2 18 | 20 41 | 0 8 | 14 31 | 1 51 | 6 24 | 12 22 | 20 25 | 20 42 | 4 26 | 5 28 | 2 0 | F 25 |
| S 26 | 6 36 | 14 27 | 4 40 | 1 40 | 3 24 | 14 21 | 3 30 | 7 44 | 0 57 | 12 46 | 0 55 | 2 18 | 2 18 | 20 41 | 0 8 | 14 31 | 1 51 | 6 25 | 12 22 | 20 26 | 20 42 | 4 24 | 5 29 | 2 0 | S 26 |
| S 27 | 6 12 | 17 49 | 4 0 | 1 39 | 3 30 | 14 45 | 3 36 | 7 25 | 0 56 | 12 41 | 0 55 | 2 20 | 2 18 | 20 41 | 0 8 | 14 30 | 1 51 | 6 25 | 12 21 | 20 26 | 20 43 | 4 22 | 5 30 | 2 0 | S 27 |
| M28 | 5 49 | 20 8 | 3 9 | 1 33 | 3 34 | 15 9 | 3 43 | 7 7 | 0 56 | 12 36 | 0 56 | 2 23 | 2 18 | 20 41 | 0 8 | 14 30 | 1 51 | 6 25 | 12 21 | 20 26 | 20 43 | 4 19 | 5 31 | 2 0 | M28 |
| T 29 | 5s26 | 21s19 | 2n 9 | 1n23 | 3n36 | 15n32 | 3n49 | 6s48 | 0s56 | 12s31 | 0s56 | 2n26 | 2s18 | 20s41 | 0n 8 | 14s30 | 1n51 | 6n26 | 12s21 | 20n26 | 20n44 | 4s17 | 5n33 | 2n 0 | T 29 |

Julian Day Number = 2138934.5, Delta T = 15m34s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'25, Lahiri = 11°55'26 Julian Calendar 1 Feb. 1144 == Greg. Calendar 8 Feb. 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## MARCH 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 1 26 | 17♓16'34 | 17♉ 7 | 24°R35 | 2♉ 5 | 15♓44 | 29♒53 | 11♈34 | 2°R47 | 14°R30 | 22♉ 8 | 29♋ 8 | 27♋33 | 29♓50 | 9♈23 | W 1 |
| T 2 | 11 5 23 | 18°16'06 | 29°28 | 23♓53 | 2°53 | 16°31 | 0♓ 7 | 11°41 | 2♐47 | 14♏30 | 22° 9 | 29°R 9 | 27°30 | 29°56 | 9°27 | T 2 |
| F 3 | 11 9 19 | 19°15'37 | 11♒38 | 23° 7 | 3°40 | 17°17 | 0°21 | 11°48 | 2°47 | 14°29 | 22° 9 | 29° 8 | 27°27 | 0♈ 3 | 9°30 | F 3 |
| S 4 | 11 13 16 | 20°15'06 | 23°40 | 22°17 | 4°26 | 18° 4 | 0°35 | 11°56 | 2°47 | 14°28 | 22°10 | 29° 5 | 27°24 | 0°10 | 9°33 | S 4 |
| S 5 | 11 17 13 | 21°14'33 | 5♓36 | 21°26 | 5°11 | 18°50 | 0°49 | 12° 3 | 2°46 | 14°27 | 22°11 | 28°59 | 27°21 | 0°17 | 9°37 | S 5 |
| M 6 | 11 21 9 | 22°13'58 | 17°29 | 20°33 | 5°55 | 19°37 | 1° 3 | 12°10 | 2°46 | 14°27 | 22°11 | 28°51 | 27°18 | 0°23 | 9°40 | M 6 |
| T 7 | 11 25 6 | 23°13'21 | 29°20 | 19°41 | 6°39 | 20°23 | 1°17 | 12°18 | 2°46 | 14°26 | 22°12 | 28°42 | 27°14 | 0°30 | 9°44 | T 7 |
| W 8 | 11 29 2 | 24°12'42 | 11♈12 | 18°49 | 7°21 | 21°10 | 1°31 | 12°25 | 2°45 | 14°25 | 22°13 | 28°31 | 27°11 | 0°37 | 9°48 | W 8 |
| T 9 | 11 32 59 | 25°12'00 | 23° 4 | 18° 0 | 8° 2 | 21°56 | 1°45 | 12°33 | 2°45 | 14°24 | 22°14 | 28°20 | 27° 8 | 0°43 | 9°51 | T 9 |
| F 10 | 11 36 55 | 26°11'16 | 5♉ 0 | 17°13 | 8°42 | 22°43 | 1°59 | 12°40 | 2°45 | 14°23 | 22°15 | 28° 9 | 27° 5 | 0°50 | 9°55 | F 10 |
| S 11 | 11 40 52 | 27°10'31 | 17° 2 | 16°30 | 9°21 | 23°29 | 2°12 | 12°48 | 2°44 | 14°22 | 22°15 | 28° 1 | 27° 2 | 0°57 | 9°58 | S 11 |
| S 12 | 11 44 48 | 28° 9'42 | 29°12 | 15°51 | 9°58 | 24°15 | 2°26 | 12°55 | 2°44 | 14°21 | 22°16 | 27°54 | 26°59 | 1° 3 | 10° 2 | S 12 |
| M13 | 11 48 45 | 29° 8'52 | 11♊34 | 15°17 | 10°35 | 25° 2 | 2°40 | 13° 3 | 2°43 | 14°20 | 22°17 | 27°50 | 26°55 | 1°10 | 10° 5 | M13 |
| T 14 | 11 52 42 | 0♈ 7'59 | 24°12 | 14°49 | 11°10 | 25°48 | 2°53 | 13°10 | 2°42 | 14°19 | 22°18 | 27°49 | 26°52 | 1°17 | 10° 9 | T 14 |
| W15 | 11 56 38 | 1° 7'04 | 7♋10 | 14°25 | 11°43 | 26°34 | 3° 7 | 13°18 | 2°42 | 14°18 | 22°19 | 27°D49 | 26°49 | 1°24 | 10°13 | W15 |
| T 16 | 12 0 35 | 2° 6'07 | 20°32 | 14° 7 | 12°16 | 27°20 | 3°21 | 13°25 | 2°41 | 14°17 | 22°20 | 27°R49 | 26°46 | 1°30 | 10°16 | T 16 |
| F 17 | 12 4 31 | 3° 5'07 | 4♌20 | 13°55 | 12°46 | 28° 6 | 3°34 | 13°33 | 2°40 | 14°16 | 22°21 | 27°49 | 26°43 | 1°37 | 10°20 | F 17 |
| S 18 | 12 8 28 | 4° 4'05 | 18°36 | 13°48 | 13°15 | 28°52 | 3°48 | 13°41 | 2°39 | 14°15 | 22°22 | 27°48 | 26°39 | 1°44 | 10°23 | S 18 |
| S 19 | 12 12 24 | 5° 3'00 | 3♍19 | 13°D47 | 13°43 | 29°38 | 4° 1 | 13°48 | 2°38 | 14°13 | 22°23 | 27°44 | 26°36 | 1°50 | 10°27 | S 19 |
| M20 | 12 16 21 | 6° 1'53 | 18°24 | 13°51 | 14° 9 | 0♈24 | 4°14 | 13°56 | 2°37 | 14°12 | 22°24 | 27°37 | 26°33 | 1°57 | 10°31 | M20 |
| T 21 | 12 20 17 | 7° 0'44 | 3♎42 | 14° 0 | 14°33 | 1°10 | 4°28 | 14° 3 | 2°36 | 14°11 | 22°25 | 27°28 | 26°30 | 2° 4 | 10°34 | T 21 |
| W22 | 12 24 14 | 7°59'33 | 19° 2 | 14°14 | 14°55 | 1°56 | 4°41 | 14°11 | 2°35 | 14°10 | 22°26 | 27°18 | 26°27 | 2°11 | 10°38 | W22 |
| T 23 | 12 28 10 | 8°58'20 | 4♏13 | 14°33 | 15°15 | 2°42 | 4°54 | 14°19 | 2°34 | 14° 9 | 22°27 | 27° 8 | 26°24 | 2°17 | 10°42 | T 23 |
| F 24 | 12 32 7 | 9°57'05 | 19° 4 | 14°57 | 15°34 | 3°28 | 5° 7 | 14°26 | 2°33 | 14° 7 | 22°28 | 26°59 | 26°20 | 2°24 | 10°45 | F 24 |
| S 25 | 12 36 4 | 10°55'48 | 3♐29 | 15°25 | 15°51 | 4°13 | 5°20 | 14°34 | 2°32 | 14° 6 | 22°29 | 26°52 | 26°17 | 2°31 | 10°49 | S 25 |
| S 26 | 12 40 0 | 11°54'30 | 17°24 | 15°58 | 16° 5 | 4°59 | 5°33 | 14°42 | 2°31 | 14° 5 | 22°30 | 26°47 | 26°14 | 2°37 | 10°52 | S 26 |
| M27 | 12 43 57 | 12°53'09 | 0♑49 | 16°35 | 16°18 | 5°45 | 5°46 | 14°49 | 2°29 | 14° 4 | 22°31 | 26°45 | 26°11 | 2°44 | 10°56 | M27 |
| T 28 | 12 47 53 | 13°51'48 | 13°48 | 17°15 | 16°28 | 6°30 | 5°59 | 14°57 | 2°28 | 14° 2 | 22°32 | 26°D45 | 26° 8 | 2°51 | 11° 0 | T 28 |
| W29 | 12 51 50 | 14°50'24 | 26°23 | 17°59 | 16°36 | 7°16 | 6°12 | 15° 5 | 2°27 | 14° 1 | 22°33 | 26°R45 | 26° 4 | 2°58 | 11° 3 | W29 |
| T 30 | 12 55 46 | 15°48'59 | 8♒41 | 18°47 | 16°42 | 8° 1 | 6°25 | 15°12 | 2°25 | 13°59 | 22°34 | 26°44 | 26° 1 | 3° 4 | 11° 7 | T 30 |
| F 31 | 12 59 43 | 16♈47'32 | 20♒45 | 19♓38 | 16♉46 | 8♈47 | 6♓38 | 15♈20 | 2♐24 | 13♏58 | 22♉35 | 26♋42 | 25♋58 | 3♈11 | 11♈11 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s 3 | 21s23 | 1n 5 | 1n 9 | 3n37 | 15n55 | 3n55 | 6s30 | 0s55 | 12s26 | 0s56 | 2n29 | 2s18 | 20s41 | 0n 8 | 14s30 | 1n51 | 6n26 | 12s21 | 20n25 | 20n45 | 4s15 | 5n34 | 2n 0 |
| T 2 | 4 40 | 20 23 | 0s 2 | 0 51 | 3 35 | 16 18 | 4 2 | 6 11 | 0 55 | 12 21 | 0 56 | 2 32 | 2 17 | 20 41 | 0 8 | 14 29 | 1 51 | 6 27 | 12 20 | 20 25 | 20 45 | 4 12 | 5 35 | 2 0 |
| F 3 | 4 16 | 18 27 | 1 7 | 0 30 | 3 32 | 16 40 | 4 8 | 5 53 | 0 55 | 12 16 | 0 56 | 2 35 | 2 17 | 20 41 | 0 8 | 14 29 | 1 51 | 6 27 | 12 20 | 20 26 | 20 46 | 4 10 | 5 37 | 1 59 |
| S 4 | 3 53 | 15 42 | 2 8 | 0 6 | 3 27 | 17 2 | 4 14 | 5 34 | 0 54 | 12 11 | 0 56 | 2 38 | 2 17 | 20 41 | 0 8 | 14 29 | 1 51 | 6 28 | 12 20 | 20 26 | 20 47 | 4 8 | 5 38 | 1 59 |
| S 5 | 3 29 | 12 20 | 3 3 | 0s21 | 3 20 | 17 23 | 4 20 | 5 16 | 0 54 | 12 6 | 0 56 | 2 41 | 2 17 | 20 41 | 0 8 | 14 29 | 1 51 | 6 28 | 12 20 | 20 27 | 20 47 | 4 6 | 5 39 | 1 59 |
| M 6 | 3 6 | 8 29 | 3 50 | 0 50 | 3 12 | 17 44 | 4 26 | 4 57 | 0 53 | 12 2 | 0 56 | 2 44 | 2 17 | 20 41 | 0 8 | 14 28 | 1 51 | 6 28 | 12 19 | 20 29 | 20 48 | 4 3 | 5 40 | 1 59 |
| T 7 | 2 42 | 4 20 | 4 26 | 1 19 | 3 2 | 18 5 | 4 32 | 4 38 | 0 53 | 11 57 | 0 56 | 2 47 | 2 17 | 20 41 | 0 8 | 14 28 | 1 51 | 6 29 | 12 19 | 20 31 | 20 48 | 4 1 | 5 42 | 1 59 |
| W 8 | 2 19 | 0 1 | 4 51 | 1 50 | 2 50 | 18 24 | 4 38 | 4 19 | 0 53 | 11 52 | 0 56 | 2 50 | 2 17 | 20 41 | 0 8 | 14 28 | 1 51 | 6 29 | 12 19 | 20 33 | 20 49 | 3 59 | 5 43 | 1 59 |
| T 9 | 1 55 | 4n19 | 5 3 | 2 21 | 2 37 | 18 44 | 4 44 | 4 1 | 0 52 | 11 47 | 0 57 | 2 53 | 2 17 | 20 41 | 0 8 | 14 27 | 1 51 | 6 30 | 12 19 | 20 35 | 20 50 | 3 56 | 5 44 | 1 59 |
| F 10 | 1 31 | 8 30 | 5 2 | 2 52 | 2 24 | 19 2 | 4 50 | 3 42 | 0 52 | 11 42 | 0 57 | 2 56 | 2 17 | 20 40 | 0 8 | 14 27 | 1 51 | 6 30 | 12 18 | 20 38 | 20 50 | 3 54 | 5 46 | 1 59 |
| S 11 | 1 8 | 12 24 | 4 48 | 3 22 | 2 9 | 19 20 | 4 56 | 3 23 | 0 51 | 11 37 | 0 57 | 2 59 | 2 17 | 20 40 | 0 8 | 14 27 | 1 52 | 6 31 | 12 18 | 20 39 | 20 51 | 3 52 | 5 47 | 1 59 |
| S 12 | 0 44 | 15 50 | 4 21 | 3 51 | 1 54 | 19 38 | 5 2 | 3 4 | 0 51 | 11 32 | 0 57 | 3 2 | 2 17 | 20 40 | 0 8 | 14 27 | 1 52 | 6 31 | 12 18 | 20 41 | 20 52 | 3 49 | 5 48 | 1 59 |
| M13 | 0 20 | 18 38 | 3 41 | 4 18 | 1 39 | 19 55 | 5 7 | 2 45 | 0 50 | 11 28 | 0 57 | 3 5 | 2 17 | 20 40 | 0 8 | 14 26 | 1 52 | 6 31 | 12 18 | 20 41 | 20 52 | 3 47 | 5 50 | 1 58 |
| T 14 | 0n 3 | 20 36 | 2 49 | 4 44 | 1 23 | 20 11 | 5 13 | 2 27 | 0 50 | 11 23 | 0 57 | 3 8 | 2 17 | 20 40 | 0 8 | 14 26 | 1 52 | 6 32 | 12 17 | 20 42 | 20 53 | 3 45 | 5 51 | 1 58 |
| W15 | 0 27 | 21 34 | 1 48 | 5 8 | 1 7 | 20 27 | 5 18 | 2 8 | 0 50 | 11 18 | 0 57 | 3 11 | 2 17 | 20 40 | 0 8 | 14 25 | 1 52 | 6 32 | 12 17 | 20 42 | 20 53 | 3 42 | 5 52 | 1 58 |
| T 16 | 0 50 | 21 20 | 0 39 | 5 29 | 0 52 | 20 42 | 5 23 | 1 49 | 0 49 | 11 13 | 0 57 | 3 14 | 2 16 | 20 40 | 0 8 | 14 25 | 1 52 | 6 33 | 12 17 | 20 42 | 20 54 | 3 40 | 5 54 | 1 58 |
| F 17 | 1 14 | 19 50 | 0n35 | 5 48 | 0 36 | 20 57 | 5 28 | 1 30 | 0 49 | 11 8 | 0 58 | 3 17 | 2 16 | 20 40 | 0 8 | 14 25 | 1 52 | 6 33 | 12 17 | 20 42 | 20 55 | 3 38 | 5 55 | 1 58 |
| S 18 | 1 37 | 17 2 | 1 48 | 6 5 | 0 21 | 21 11 | 5 33 | 1 11 | 0 48 | 11 4 | 0 58 | 3 20 | 2 16 | 20 39 | 0 8 | 14 24 | 1 52 | 6 34 | 12 16 | 20 42 | 20 55 | 3 35 | 5 56 | 1 58 |
| S 19 | 2 1 | 13 5 | 2 57 | 6 19 | 0 6 | 21 24 | 5 38 | 0 53 | 0 48 | 10 59 | 0 58 | 3 23 | 2 16 | 20 39 | 0 8 | 14 24 | 1 52 | 6 34 | 12 16 | 20 43 | 20 56 | 3 33 | 5 58 | 1 58 |
| M20 | 2 24 | 8 12 | 3 55 | 6 31 | 0s 8 | 21 36 | 5 43 | 0 34 | 0 47 | 10 54 | 0 58 | 3 26 | 2 16 | 20 39 | 0 8 | 14 24 | 1 52 | 6 35 | 12 16 | 20 44 | 20 56 | 3 31 | 5 59 | 1 58 |
| T 21 | 2 48 | 2 45 | 4 37 | 6 40 | 0 22 | 21 48 | 5 47 | 0 15 | 0 47 | 10 49 | 0 58 | 3 29 | 2 16 | 20 39 | 0 8 | 14 23 | 1 52 | 6 35 | 12 16 | 20 46 | 20 57 | 3 28 | 6 1 | 1 58 |
| W22 | 3 11 | 2s53 | 4 59 | 6 47 | 0 36 | 21 58 | 5 51 | 0n 4 | 0 46 | 10 44 | 0 58 | 3 32 | 2 16 | 20 39 | 0 8 | 14 23 | 1 52 | 6 36 | 12 16 | 20 48 | 20 58 | 3 26 | 6 2 | 1 58 |
| T 23 | 3 34 | 8 17 | 5 0 | 6 51 | 0 48 | 22 8 | 5 55 | 0 22 | 0 46 | 10 40 | 0 58 | 3 35 | 2 16 | 20 38 | 0 8 | 14 22 | 1 52 | 6 36 | 12 15 | 20 50 | 20 58 | 3 24 | 6 3 | 1 58 |
| F 24 | 3 58 | 13 4 | 4 40 | 6 53 | 1 1 | 22 17 | 5 59 | 0 41 | 0 45 | 10 35 | 0 59 | 3 38 | 2 16 | 20 38 | 0 8 | 14 22 | 1 52 | 6 36 | 12 15 | 20 51 | 20 59 | 3 21 | 6 5 | 1 58 |
| S 25 | 4 21 | 16 58 | 4 3 | 6 53 | 1 12 | 22 26 | 6 3 | 1 0 | 0 45 | 10 30 | 0 59 | 3 41 | 2 16 | 20 38 | 0 8 | 14 22 | 1 52 | 6 37 | 12 15 | 20 53 | 20 59 | 3 19 | 6 6 | 1 58 |
| S 26 | 4 44 | 19 45 | 3 13 | 6 50 | 1 23 | 22 33 | 6 6 | 1 19 | 0 45 | 10 26 | 0 59 | 3 43 | 2 16 | 20 38 | 0 8 | 14 21 | 1 52 | 6 37 | 12 15 | 20 54 | 21 0 | 3 17 | 6 7 | 1 58 |
| M27 | 5 7 | 21 20 | 2 13 | 6 45 | 1 33 | 22 40 | 6 9 | 1 37 | 0 44 | 10 21 | 0 59 | 3 46 | 2 16 | 20 38 | 0 8 | 14 21 | 1 52 | 6 38 | 12 14 | 20 54 | 21 1 | 3 14 | 6 9 | 1 57 |
| T 28 | 5 30 | 21 42 | 1 8 | 6 38 | 1 43 | 22 45 | 6 11 | 1 56 | 0 44 | 10 16 | 0 59 | 3 49 | 2 16 | 20 37 | 0 8 | 14 20 | 1 52 | 6 38 | 12 14 | 20 54 | 21 1 | 3 12 | 6 10 | 1 57 |
| W29 | 5 52 | 20 56 | 0 2 | 6 29 | 1 52 | 22 50 | 6 13 | 2 14 | 0 43 | 10 12 | 0 59 | 3 52 | 2 16 | 20 37 | 0 8 | 14 20 | 1 52 | 6 39 | 12 14 | 20 54 | 21 2 | 3 10 | 6 12 | 1 57 |
| T 30 | 6 15 | 19 11 | 1s 3 | 6 18 | 2 0 | 22 53 | 6 15 | 2 33 | 0 43 | 10 7 | 1 0 | 3 55 | 2 16 | 20 37 | 0 8 | 14 19 | 1 52 | 6 39 | 12 14 | 20 54 | 21 2 | 3 7 | 6 13 | 1 57 |
| F 31 | 6n38 | 16s35 | 2s 3 | 6s 4 | 2s 7 | 22n56 | 6n17 | 2n51 | 0s42 | 10s 3 | 1s 0 | 3n58 | 2s16 | 20s36 | 0n 8 | 14s19 | 1n52 | 6n40 | 12s14 | 20n55 | 21n 3 | 3s 5 | 6n14 | 1n57 |

Julian Day Number = 2138963.5, Delta T = 15m33s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'29, Lahiri = 11°55'30 Julian Calendar 1 March 1144 == Greg. Calendar 8 March 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## APRIL 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 3 39 | 17♈46'03 | 2♓41 | 20♓32 | 16°R47 | 9♈32 | 6♓50 | 15♈28 | 2°R22 | 13°R57 | 22♉36 | 26°R38 | 25♋55 | 3♈18 | 11♈14 | S 1 |
| S 2 | 13 7 36 | 18°44'32 | 14°33 | 21°29 | 16♉46 | 10°18 | 7° 3 | 15°35 | 2♐21 | 13♏55 | 22°38 | 26♋30 | 25°52 | 3°24 | 11°18 | S 2 |
| M 3 | 13 11 33 | 19°43'00 | 26°22 | 22°30 | 16°42 | 11° 3 | 7°15 | 15°43 | 2°19 | 13°54 | 22°39 | 26°20 | 25°49 | 3°31 | 11°22 | M 3 |
| T 4 | 13 15 29 | 20°41'26 | 8♈13 | 23°33 | 16°36 | 11°48 | 7°28 | 15°51 | 2°18 | 13°52 | 22°40 | 26° 8 | 25°45 | 3°38 | 11°25 | T 4 |
| W 5 | 13 19 26 | 21°39'50 | 20° 7 | 24°38 | 16°28 | 12°34 | 7°40 | 15°58 | 2°16 | 13°51 | 22°41 | 25°54 | 25°42 | 3°45 | 11°29 | W 5 |
| T 6 | 13 23 22 | 22°38'12 | 2♉ 5 | 25°47 | 16°17 | 13°19 | 7°52 | 16° 6 | 2°14 | 13°49 | 22°42 | 25°39 | 25°39 | 3°51 | 11°32 | T 6 |
| F 7 | 13 27 19 | 23°36'32 | 14° 8 | 26°57 | 16° 4 | 14° 4 | 8° 4 | 16°14 | 2°13 | 13°48 | 22°44 | 25°26 | 25°36 | 3°58 | 11°36 | F 7 |
| S 8 | 13 31 15 | 24°34'50 | 26°18 | 28°11 | 15°48 | 14°49 | 8°17 | 16°21 | 2°11 | 13°46 | 22°45 | 25°14 | 25°33 | 4° 5 | 11°40 | S 8 |
| S 9 | 13 35 12 | 25°33'07 | 8♊36 | 29°26 | 15°30 | 15°34 | 8°29 | 16°29 | 2° 9 | 13°45 | 22°46 | 25° 6 | 25°30 | 4°11 | 11°43 | S 9 |
| M10 | 13 39 8 | 26°31'21 | 21° 4 | 0♈44 | 15°10 | 16°19 | 8°41 | 16°37 | 2° 7 | 13°43 | 22°47 | 25° 0 | 25°26 | 4°18 | 11°47 | M10 |
| T 11 | 13 43 5 | 27°29'34 | 3♋46 | 2° 4 | 14°47 | 17° 4 | 8°52 | 16°44 | 2° 5 | 13°42 | 22°48 | 24°57 | 25°23 | 4°25 | 11°50 | T 11 |
| W12 | 13 47 2 | 28°27'44 | 16°44 | 3°26 | 14°22 | 17°49 | 9° 4 | 16°52 | 2° 3 | 13°40 | 22°50 | 24°56 | 25°20 | 4°32 | 11°54 | W12 |
| T 13 | 13 50 58 | 29°25'52 | 0♌ 2 | 4°50 | 13°55 | 18°34 | 9°16 | 16°59 | 2° 2 | 13°39 | 22°51 | 24°55 | 25°17 | 4°38 | 11°57 | T 13 |
| F 14 | 13 54 55 | 0♉23'59 | 13°42 | 6°17 | 13°26 | 19°19 | 9°28 | 17° 7 | 2° 0 | 13°37 | 22°52 | 24°55 | 25°14 | 4°45 | 12° 1 | F 14 |
| S 15 | 13 58 51 | 1°22'03 | 27°46 | 7°45 | 12°56 | 20° 3 | 9°39 | 17°14 | 1°58 | 13°36 | 22°53 | 24°53 | 25°10 | 4°52 | 12° 4 | S 15 |
| S 16 | 14 2 48 | 2°20'05 | 12♍15 | 9°15 | 12°23 | 20°48 | 9°50 | 17°22 | 1°56 | 13°34 | 22°55 | 24°49 | 25° 7 | 4°58 | 12° 8 | S 16 |
| M17 | 14 6 44 | 3°18'05 | 27° 5 | 10°48 | 11°50 | 21°33 | 10° 2 | 17°29 | 1°54 | 13°32 | 22°56 | 24°42 | 25° 4 | 5° 5 | 12°11 | M17 |
| T 18 | 14 10 41 | 4°16'03 | 12♎10 | 12°22 | 11°14 | 22°17 | 10°13 | 17°37 | 1°51 | 13°31 | 22°57 | 24°33 | 25° 1 | 5°12 | 12°15 | T 18 |
| W19 | 14 14 37 | 5°14'00 | 27°21 | 13°59 | 10°38 | 23° 2 | 10°24 | 17°44 | 1°49 | 13°29 | 22°59 | 24°23 | 24°58 | 5°19 | 12°18 | W19 |
| T 20 | 14 18 34 | 6°11'55 | 12♏27 | 15°37 | 10° 1 | 23°46 | 10°35 | 17°52 | 1°47 | 13°28 | 23° 0 | 24°12 | 24°55 | 5°25 | 12°21 | T 20 |
| F 21 | 14 22 31 | 7° 9'48 | 27°18 | 17°18 | 9°24 | 24°31 | 10°46 | 17°59 | 1°45 | 13°26 | 23° 1 | 24° 3 | 24°51 | 5°32 | 12°25 | F 21 |
| S 22 | 14 26 27 | 8° 7'41 | 11♐47 | 19° 0 | 8°46 | 25°15 | 10°57 | 18° 7 | 1°43 | 13°24 | 23° 3 | 23°55 | 24°48 | 5°39 | 12°28 | S 22 |
| S 23 | 14 30 24 | 9° 5'31 | 25°47 | 20°45 | 8° 8 | 25°59 | 11° 8 | 18°14 | 1°41 | 13°23 | 23° 4 | 23°50 | 24°45 | 5°45 | 12°32 | S 23 |
| M24 | 14 34 20 | 10° 3'21 | 9♑19 | 22°31 | 7°30 | 26°43 | 11°19 | 18°21 | 1°39 | 13°21 | 23° 5 | 23°47 | 24°42 | 5°52 | 12°35 | M24 |
| T 25 | 14 38 17 | 11° 1'09 | 22°22 | 24°19 | 6°53 | 27°28 | 11°29 | 18°29 | 1°36 | 13°19 | 23° 7 | 23°D46 | 24°39 | 5°59 | 12°38 | T 25 |
| W26 | 14 42 13 | 11°58'56 | 5♒ 2 | 26°10 | 6°16 | 28°12 | 11°40 | 18°36 | 1°34 | 13°18 | 23° 8 | 23°47 | 24°36 | 6° 6 | 12°42 | W26 |
| T 27 | 14 46 10 | 12°56'41 | 17°22 | 28° 2 | 5°40 | 28°56 | 11°50 | 18°43 | 1°32 | 13°16 | 23° 9 | 23°R47 | 24°32 | 6°12 | 12°45 | T 27 |
| F 28 | 14 50 6 | 13°54'26 | 29°27 | 29°57 | 5° 6 | 29°40 | 12° 0 | 18°50 | 1°29 | 13°15 | 23°11 | 23°46 | 24°29 | 6°19 | 12°48 | F 28 |
| S 29 | 14 54 3 | 14°52'09 | 11♓22 | 1♉53 | 4°32 | 0♉24 | 12°10 | 18°58 | 1°27 | 13°13 | 23°12 | 23°42 | 24°26 | 6°26 | 12°51 | S 29 |
| S 30 | 14 58 0 | 15♉49'51 | 23♓13 | 3♉51 | 4♉ 1 | 1♉ 8 | 12♓20 | 19♈ 5 | 1♐25 | 13♏11 | 23♉13 | 23♋37 | 24♋23 | 6♈32 | 12♈54 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n 0 | 13s20 | 2s58 | 5s49 | 2s14 | 22n57 | 6n18 | 3n10 | 0s41 | 9s58 | 1s 0 | 4n 1 | 2s16 | 20s36 | 0n 8 | 14s19 | 1n52 | 6n40 | 12s14 | 20n56 | 21n 4 | 3s 2 | 6n16 | 1n57 |
| S 2 | 7 23 | 9 33 | 3 44 | 5 32 | 2 20 | 22 57 | 6 18 | 3 28 | 0 41 | 9 54 | 1 0 | 4 4 | 2 16 | 20 36 | 0 8 | 14 18 | 1 52 | 6 40 | 12 13 | 20 57 | 21 4 | 3 0 | 6 17 | 1 57 |
| M 3 | 7 45 | 5 25 | 4 20 | 5 14 | 2 26 | 22 56 | 6 18 | 3 46 | 0 40 | 9 49 | 1 0 | 4 7 | 2 16 | 20 36 | 0 8 | 14 18 | 1 52 | 6 41 | 12 13 | 20 59 | 21 5 | 2 58 | 6 18 | 1 57 |
| T 4 | 8 7 | 1 6 | 4 45 | 4 53 | 2 31 | 22 54 | 6 18 | 4 5 | 0 40 | 9 45 | 1 0 | 4 10 | 2 16 | 20 35 | 0 8 | 14 17 | 1 52 | 6 41 | 12 13 | 21 1 | 21 5 | 2 55 | 6 20 | 1 57 |
| W 5 | 8 29 | 3n18 | 4 58 | 4 31 | 2 35 | 22 51 | 6 17 | 4 23 | 0 39 | 9 40 | 1 1 | 4 13 | 2 16 | 20 35 | 0 8 | 14 17 | 1 52 | 6 42 | 12 13 | 21 4 | 21 6 | 2 53 | 6 21 | 1 57 |
| T 6 | 8 51 | 7 36 | 4 58 | 4 7 | 2 39 | 22 46 | 6 16 | 4 41 | 0 39 | 9 36 | 1 1 | 4 16 | 2 16 | 20 35 | 0 8 | 14 16 | 1 52 | 6 42 | 12 13 | 21 7 | 21 7 | 2 51 | 6 23 | 1 57 |
| F 7 | 9 12 | 11 38 | 4 44 | 3 42 | 2 42 | 22 40 | 6 14 | 4 59 | 0 38 | 9 31 | 1 1 | 4 19 | 2 16 | 20 34 | 0 8 | 14 16 | 1 52 | 6 43 | 12 13 | 21 9 | 21 7 | 2 48 | 6 24 | 1 57 |
| S 8 | 9 34 | 15 14 | 4 17 | 3 15 | 2 45 | 22 33 | 6 11 | 5 17 | 0 38 | 9 27 | 1 1 | 4 22 | 2 16 | 20 34 | 0 8 | 14 15 | 1 52 | 6 43 | 12 12 | 21 11 | 21 8 | 2 46 | 6 25 | 1 57 |
| S 9 | 9 55 | 18 15 | 3 38 | 2 46 | 2 46 | 22 25 | 6 8 | 5 35 | 0 37 | 9 22 | 1 1 | 4 25 | 2 16 | 20 34 | 0 8 | 14 15 | 1 53 | 6 44 | 12 12 | 21 13 | 21 8 | 2 44 | 6 27 | 1 57 |
| M10 | 10 17 | 20 27 | 2 48 | 2 16 | 2 48 | 22 15 | 6 4 | 5 53 | 0 37 | 9 18 | 1 1 | 4 28 | 2 16 | 20 33 | 0 8 | 14 14 | 1 53 | 6 44 | 12 12 | 21 14 | 21 9 | 2 41 | 6 28 | 1 57 |
| T 11 | 10 38 | 21 40 | 1 49 | 1 45 | 2 48 | 22 4 | 5 59 | 6 11 | 0 36 | 9 14 | 1 2 | 4 30 | 2 16 | 20 33 | 0 8 | 14 14 | 1 53 | 6 44 | 12 12 | 21 14 | 21 10 | 2 39 | 6 29 | 1 57 |
| W12 | 10 59 | 21 47 | 0 43 | 1 12 | 2 48 | 21 51 | 5 54 | 6 28 | 0 36 | 9 10 | 1 2 | 4 33 | 2 16 | 20 33 | 0 8 | 14 13 | 1 53 | 6 45 | 12 12 | 21 15 | 21 10 | 2 36 | 6 31 | 1 57 |
| T 13 | 11 19 | 20 41 | 0n27 | 0 38 | 2 48 | 21 37 | 5 48 | 6 46 | 0 35 | 9 5 | 1 2 | 4 36 | 2 16 | 20 32 | 0 8 | 14 13 | 1 53 | 6 45 | 12 12 | 21 15 | 21 11 | 2 34 | 6 32 | 1 57 |
| F 14 | 11 40 | 18 21 | 1 38 | 0 3 | 2 47 | 21 22 | 5 42 | 7 4 | 0 34 | 9 1 | 1 2 | 4 39 | 2 16 | 20 32 | 0 8 | 14 13 | 1 53 | 6 46 | 12 12 | 21 15 | 21 11 | 2 32 | 6 33 | 1 57 |
| S 15 | 12 0 | 14 52 | 2 44 | 0n34 | 2 45 | 21 5 | 5 34 | 7 21 | 0 34 | 8 57 | 1 2 | 4 42 | 2 17 | 20 31 | 0 8 | 14 12 | 1 53 | 6 46 | 12 11 | 21 15 | 21 12 | 2 29 | 6 35 | 1 57 |
| S 16 | 12 20 | 10 25 | 3 42 | 1 11 | 2 43 | 20 48 | 5 26 | 7 38 | 0 33 | 8 53 | 1 3 | 4 45 | 2 17 | 20 31 | 0 8 | 14 12 | 1 53 | 6 47 | 12 11 | 21 16 | 21 12 | 2 27 | 6 36 | 1 57 |
| M17 | 12 40 | 5 15 | 4 27 | 1 50 | 2 40 | 20 29 | 5 18 | 7 56 | 0 33 | 8 49 | 1 3 | 4 48 | 2 17 | 20 31 | 0 8 | 14 11 | 1 53 | 6 47 | 12 11 | 21 17 | 21 13 | 2 24 | 6 38 | 1 57 |
| T 18 | 13 0 | 0s19 | 4 54 | 2 30 | 2 37 | 20 9 | 5 8 | 8 13 | 0 32 | 8 45 | 1 3 | 4 50 | 2 17 | 20 30 | 0 8 | 14 11 | 1 53 | 6 47 | 12 11 | 21 19 | 21 14 | 2 22 | 6 39 | 1 57 |
| W19 | 13 20 | 5 54 | 5 0 | 3 11 | 2 33 | 19 48 | 4 58 | 8 30 | 0 32 | 8 40 | 1 3 | 4 53 | 2 17 | 20 30 | 0 8 | 14 10 | 1 53 | 6 48 | 12 11 | 21 20 | 21 14 | 2 20 | 6 40 | 1 57 |
| T 20 | 13 39 | 11 6 | 4 46 | 3 54 | 2 28 | 19 26 | 4 47 | 8 47 | 0 31 | 8 36 | 1 3 | 4 56 | 2 17 | 20 29 | 0 8 | 14 10 | 1 53 | 6 48 | 12 11 | 21 22 | 21 15 | 2 17 | 6 41 | 1 57 |
| F 21 | 13 58 | 15 33 | 4 12 | 4 37 | 2 24 | 19 3 | 4 36 | 9 4 | 0 31 | 8 32 | 1 4 | 4 59 | 2 17 | 20 29 | 0 8 | 14 9 | 1 53 | 6 49 | 12 11 | 21 24 | 21 15 | 2 15 | 6 43 | 1 56 |
| S 22 | 14 17 | 18 57 | 3 23 | 5 21 | 2 18 | 18 39 | 4 24 | 9 21 | 0 30 | 8 28 | 1 4 | 5 1 | 2 17 | 20 28 | 0 8 | 14 9 | 1 53 | 6 49 | 12 11 | 21 25 | 21 16 | 2 13 | 6 44 | 1 56 |
| S 23 | 14 36 | 21 6 | 2 22 | 6 6 | 2 12 | 18 15 | 4 12 | 9 38 | 0 29 | 8 25 | 1 4 | 5 4 | 2 17 | 20 28 | 0 8 | 14 8 | 1 53 | 6 50 | 12 10 | 21 26 | 21 16 | 2 10 | 6 45 | 1 56 |
| M24 | 14 54 | 21 57 | 1 16 | 6 52 | 2 5 | 17 51 | 3 59 | 9 54 | 0 29 | 8 21 | 1 4 | 5 7 | 2 17 | 20 28 | 0 8 | 14 8 | 1 53 | 6 50 | 12 10 | 21 27 | 21 17 | 2 8 | 6 47 | 1 56 |
| T 25 | 15 12 | 21 34 | 0 7 | 7 38 | 1 58 | 17 26 | 3 46 | 10 11 | 0 28 | 8 17 | 1 4 | 5 10 | 2 17 | 20 27 | 0 8 | 14 7 | 1 53 | 6 50 | 12 10 | 21 27 | 21 18 | 2 5 | 6 48 | 1 56 |
| W26 | 15 30 | 20 3 | 0s59 | 8 25 | 1 51 | 17 1 | 3 33 | 10 27 | 0 28 | 8 13 | 1 5 | 5 12 | 2 17 | 20 27 | 0 8 | 14 7 | 1 53 | 6 51 | 12 10 | 21 27 | 21 18 | 2 3 | 6 49 | 1 56 |
| T 27 | 15 48 | 17 38 | 2 2 | 9 13 | 1 43 | 16 36 | 3 19 | 10 43 | 0 27 | 8 9 | 1 5 | 5 15 | 2 17 | 20 26 | 0 8 | 14 6 | 1 53 | 6 51 | 12 10 | 21 27 | 21 19 | 2 1 | 6 51 | 1 56 |
| F 28 | 16 5 | 14 29 | 2 57 | 10 2 | 1 35 | 16 11 | 3 5 | 11 0 | 0 26 | 8 6 | 1 5 | 5 18 | 2 17 | 20 26 | 0 8 | 14 6 | 1 53 | 6 52 | 12 10 | 21 27 | 21 19 | 1 58 | 6 52 | 1 56 |
| S 29 | 16 22 | 10 47 | 3 44 | 10 50 | 1 26 | 15 46 | 2 51 | 11 16 | 0 26 | 8 2 | 1 5 | 5 20 | 2 18 | 20 25 | 0 8 | 14 5 | 1 53 | 6 52 | 12 10 | 21 28 | 21 20 | 1 56 | 6 53 | 1 56 |
| S 30 | 16n39 | 6s42 | 4s21 | 11n39 | 1s17 | 15n22 | 2n37 | 11n32 | 0s25 | 7s58 | 1s 5 | 5n23 | 2s18 | 20s25 | 0n 8 | 14s 5 | 1n53 | 6n52 | 12s10 | 21n28 | 21n20 | 1s53 | 6n54 | 1n56 |

Julian Day Number = 2138994.5, Delta T = 15m33s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'34, Lahiri = 11°55'34 Julian Calendar 1 Apr. 1144 == Greg. Calendar 8 Apr. 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## MAY 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 1 56 | 16♉47'32 | 5♈ 4 | 5♉51 | 3°R30 | 1♉52 | 12♓30 | 19♈12 | 1°R22 | 13°R10 | 23♉15 | 23°R29 | 24♋20 | 6♈39 | 12♈58 | M 1 |
| T 2 | 15 5 53 | 17°45'12 | 16°57 | 7°53 | 3♉ 2 | 2°36 | 12°40 | 19°19 | 1♐20 | 13♏ 8 | 23°16 | 23♋18 | 24°16 | 6°46 | 13° 1 | T 2 |
| W 3 | 15 9 49 | 18°42'51 | 28°55 | 9°57 | 2°36 | 3°20 | 12°50 | 19°26 | 1°18 | 13° 6 | 23°17 | 23° 7 | 24°13 | 6°53 | 13° 4 | W 3 |
| T 4 | 15 13 46 | 19°40'28 | 11♉ 0 | 12° 2 | 2°12 | 4° 3 | 12°59 | 19°33 | 1°15 | 13° 5 | 23°19 | 22°55 | 24°10 | 6°59 | 13° 7 | T 4 |
| F 5 | 15 17 42 | 20°38'05 | 23°13 | 14° 9 | 1°49 | 4°47 | 13° 9 | 19°40 | 1°13 | 13° 3 | 23°20 | 22°44 | 24° 7 | 7° 6 | 13°10 | F 5 |
| S 6 | 15 21 39 | 21°35'40 | 5♊36 | 16°17 | 1°30 | 5°31 | 13°18 | 19°47 | 1°10 | 13° 2 | 23°21 | 22°34 | 24° 4 | 7°13 | 13°13 | S 6 |
| S 7 | 15 25 35 | 22°33'14 | 18° 8 | 18°27 | 1°12 | 6°14 | 13°27 | 19°54 | 1° 8 | 13° 0 | 23°23 | 22°27 | 24° 1 | 7°19 | 13°16 | S 7 |
| M 8 | 15 29 32 | 23°30'46 | 0♋51 | 20°37 | 0°57 | 6°58 | 13°36 | 20° 1 | 1° 6 | 12°58 | 23°24 | 22°23 | 23°57 | 7°26 | 13°19 | M 8 |
| T 9 | 15 33 29 | 24°28'18 | 13°46 | 22°48 | 0°44 | 7°41 | 13°45 | 20° 7 | 1° 3 | 12°57 | 23°26 | 22°21 | 23°54 | 7°33 | 13°22 | T 9 |
| W10 | 15 37 25 | 25°25'48 | 26°54 | 25° 0 | 0°34 | 8°25 | 13°54 | 20°14 | 1° 1 | 12°55 | 23°27 | 22°D20 | 23°51 | 7°40 | 13°25 | W10 |
| T 11 | 15 41 22 | 26°23'16 | 10♌17 | 27°12 | 0°26 | 9° 8 | 14° 3 | 20°21 | 0°58 | 12°54 | 23°28 | 22°21 | 23°48 | 7°46 | 13°28 | T 11 |
| F 12 | 15 45 18 | 27°20'44 | 23°57 | 29°24 | 0°20 | 9°51 | 14°11 | 20°28 | 0°56 | 12°52 | 23°30 | 22°R22 | 23°45 | 7°53 | 13°31 | F 12 |
| S 13 | 15 49 15 | 28°18'10 | 7♍56 | 1♊35 | 0°17 | 10°34 | 14°20 | 20°34 | 0°53 | 12°51 | 23°31 | 22°21 | 23°42 | 8° 0 | 13°33 | S 13 |
| S 14 | 15 53 11 | 29°15'34 | 22°12 | 3°46 | 0°D16 | 11°18 | 14°28 | 20°41 | 0°51 | 12°49 | 23°32 | 22°19 | 23°38 | 8° 6 | 13°36 | S 14 |
| M15 | 15 57 8 | 0♊12'57 | 6♎43 | 5°56 | 0°17 | 12° 1 | 14°36 | 20°47 | 0°48 | 12°47 | 23°34 | 22°15 | 23°35 | 8°13 | 13°39 | M15 |
| T 16 | 16 1 4 | 1°10'20 | 21°27 | 8° 5 | 0°21 | 12°44 | 14°44 | 20°54 | 0°46 | 12°46 | 23°35 | 22° 9 | 23°32 | 8°20 | 13°42 | T 16 |
| W17 | 16 5 1 | 2° 7'41 | 6♏16 | 10°13 | 0°27 | 13°27 | 14°52 | 21° 0 | 0°43 | 12°44 | 23°36 | 22° 2 | 23°29 | 8°27 | 13°44 | W17 |
| T 18 | 16 8 58 | 3° 5'01 | 21° 2 | 12°20 | 0°35 | 14°10 | 15° 0 | 21° 7 | 0°41 | 12°43 | 23°38 | 21°54 | 23°26 | 8°33 | 13°47 | T 18 |
| F 19 | 16 12 54 | 4° 2'20 | 5♐38 | 14°24 | 0°45 | 14°53 | 15° 7 | 21°13 | 0°38 | 12°41 | 23°39 | 21°48 | 23°22 | 8°40 | 13°50 | F 19 |
| S 20 | 16 16 51 | 4°59'38 | 19°56 | 16°27 | 0°58 | 15°35 | 15°15 | 21°19 | 0°36 | 12°40 | 23°40 | 21°42 | 23°19 | 8°47 | 13°52 | S 20 |
| S 21 | 16 20 47 | 5°56'56 | 3♑51 | 18°28 | 1°12 | 16°18 | 15°22 | 21°26 | 0°33 | 12°38 | 23°42 | 21°39 | 23°16 | 8°53 | 13°55 | S 21 |
| M22 | 16 24 44 | 6°54'13 | 17°21 | 20°26 | 1°28 | 17° 1 | 15°29 | 21°32 | 0°31 | 12°37 | 23°43 | 21°D38 | 23°13 | 9° 0 | 13°57 | M22 |
| T 23 | 16 28 40 | 7°51'30 | 0♒27 | 22°23 | 1°47 | 17°44 | 15°36 | 21°38 | 0°29 | 12°36 | 23°44 | 21°38 | 23°10 | 9° 7 | 14° 0 | T 23 |
| W24 | 16 32 37 | 8°48'46 | 13° 9 | 24°17 | 2° 7 | 18°26 | 15°43 | 21°44 | 0°26 | 12°34 | 23°46 | 21°39 | 23° 7 | 9°14 | 14° 2 | W24 |
| T 25 | 16 36 33 | 9°46'01 | 25°32 | 26° 9 | 2°29 | 19° 9 | 15°50 | 21°50 | 0°24 | 12°33 | 23°47 | 21°40 | 23° 3 | 9°20 | 14° 5 | T 25 |
| F 26 | 16 40 30 | 10°43'17 | 7♓40 | 27°59 | 2°52 | 19°51 | 15°57 | 21°56 | 0°21 | 12°31 | 23°48 | 21°R41 | 23° 0 | 9°27 | 14° 7 | F 26 |
| S 27 | 16 44 27 | 11°40'31 | 19°38 | 29°46 | 3°18 | 20°34 | 16° 3 | 22° 2 | 0°19 | 12°30 | 23°50 | 21°41 | 22°57 | 9°34 | 14° 9 | S 27 |
| S 28 | 16 48 23 | 12°37'46 | 1♈31 | 1♋31 | 3°45 | 21°16 | 16° 9 | 22° 8 | 0°16 | 12°29 | 23°51 | 21°39 | 22°54 | 9°41 | 14°11 | S 28 |
| M29 | 16 52 20 | 13°35'00 | 13°23 | 3°13 | 4°13 | 21°59 | 16°15 | 22°14 | 0°14 | 12°27 | 23°52 | 21°36 | 22°51 | 9°47 | 14°14 | M29 |
| T 30 | 16 56 16 | 14°32'14 | 25°19 | 4°53 | 4°43 | 22°41 | 16°21 | 22°19 | 0°12 | 12°26 | 23°54 | 21°31 | 22°47 | 9°54 | 14°16 | T 30 |
| W31 | 17 0 13 | 15♊29'28 | 7♉22 | 6♋31 | 5♉14 | 23♉23 | 16♓27 | 22♈25 | 0♐ 9 | 12♏25 | 23♉55 | 21♋25 | 22♋44 | 10♈ 1 | 14♈18 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n56 | 2s22 | 4s47 | 12n29 | 1s 7 | 14n58 | 2n22 | 11n48 | 0s25 | 7s55 | 1s 6 | 5n26 | 2s18 | 20s24 | 0n 8 | 14s 4 | 1n53 | 6n53 | 12s10 | 21n30 | 21n21 | 1s51 | 6n56 | 1n56 |
| T 2 | 17 12 | 2n 4 | 5 1 | 13 18 | 0 58 | 14 35 | 2 8 | 12 3 | 0 24 | 7 51 | 1 6 | 5 28 | 2 18 | 20 24 | 0 8 | 14 4 | 1 53 | 6 53 | 12 10 | 21 32 | 21 22 | 1 48 | 6 57 | 1 56 |
| W 3 | 17 28 | 6 27 | 5 1 | 14 7 | 0 47 | 14 12 | 1 54 | 12 19 | 0 23 | 7 48 | 1 6 | 5 31 | 2 18 | 20 23 | 0 8 | 14 3 | 1 53 | 6 53 | 12 10 | 21 34 | 21 22 | 1 46 | 6 58 | 1 56 |
| T 4 | 17 44 | 10 38 | 4 48 | 14 56 | 0 37 | 13 51 | 1 40 | 12 34 | 0 23 | 7 44 | 1 6 | 5 33 | 2 18 | 20 23 | 0 8 | 14 3 | 1 53 | 6 54 | 12 10 | 21 36 | 21 23 | 1 44 | 6 59 | 1 56 |
| F 5 | 18 0 | 14 27 | 4 21 | 15 44 | 0 27 | 13 30 | 1 26 | 12 50 | 0 22 | 7 41 | 1 7 | 5 36 | 2 18 | 20 22 | 0 8 | 14 2 | 1 53 | 6 54 | 12 10 | 21 37 | 21 23 | 1 41 | 7 0 | 1 56 |
| S 6 | 18 15 | 17 41 | 3 42 | 16 32 | 0 16 | 13 10 | 1 12 | 13 5 | 0 21 | 7 37 | 1 7 | 5 38 | 2 18 | 20 22 | 0 8 | 14 2 | 1 53 | 6 55 | 12 10 | 21 39 | 21 24 | 1 39 | 7 2 | 1 56 |
| S 7 | 18 30 | 20 10 | 2 52 | 17 19 | 0 5 | 12 51 | 0 58 | 13 20 | 0 21 | 7 34 | 1 7 | 5 41 | 2 18 | 20 21 | 0 8 | 14 1 | 1 53 | 6 55 | 12 10 | 21 40 | 21 24 | 1 36 | 7 3 | 1 56 |
| M 8 | 18 44 | 21 41 | 1 52 | 18 4 | 0n 5 | 12 33 | 0 45 | 13 35 | 0 20 | 7 31 | 1 7 | 5 43 | 2 19 | 20 21 | 0 8 | 14 1 | 1 53 | 6 55 | 12 10 | 21 41 | 21 25 | 1 34 | 7 4 | 1 56 |
| T 9 | 18 58 | 22 5 | 0 46 | 18 49 | 0 16 | 12 17 | 0 32 | 13 50 | 0 20 | 7 27 | 1 8 | 5 46 | 2 19 | 20 20 | 0 8 | 14 0 | 1 53 | 6 56 | 12 9 | 21 41 | 21 25 | 1 32 | 7 5 | 1 56 |
| W10 | 19 12 | 21 16 | 0n24 | 19 31 | 0 26 | 12 1 | 0 19 | 14 4 | 0 19 | 7 24 | 1 8 | 5 48 | 2 19 | 20 20 | 0 8 | 14 0 | 1 53 | 6 56 | 12 9 | 21 41 | 21 26 | 1 29 | 7 6 | 1 56 |
| T 11 | 19 26 | 19 16 | 1 35 | 20 13 | 0 36 | 11 47 | 0 7 | 14 19 | 0 18 | 7 21 | 1 8 | 5 51 | 2 19 | 20 19 | 0 8 | 14 0 | 1 53 | 6 56 | 12 9 | 21 41 | 21 27 | 1 27 | 7 7 | 1 56 |
| F 12 | 19 39 | 16 8 | 2 41 | 20 52 | 0 46 | 11 34 | 0s 5 | 14 33 | 0 18 | 7 18 | 1 8 | 5 53 | 2 19 | 20 19 | 0 8 | 13 59 | 1 53 | 6 57 | 12 9 | 21 41 | 21 27 | 1 24 | 7 8 | 1 56 |
| S 13 | 19 52 | 12 1 | 3 39 | 21 29 | 0 56 | 11 21 | 0 17 | 14 47 | 0 17 | 7 15 | 1 9 | 5 55 | 2 19 | 20 18 | 0 8 | 13 59 | 1 53 | 6 57 | 12 9 | 21 41 | 21 28 | 1 22 | 7 10 | 1 56 |
| S 14 | 20 5 | 7 10 | 4 25 | 22 3 | 1 5 | 11 11 | 0 28 | 15 2 | 0 16 | 7 12 | 1 9 | 5 58 | 2 19 | 20 18 | 0 8 | 13 58 | 1 53 | 6 57 | 12 9 | 21 41 | 21 28 | 1 19 | 7 11 | 1 56 |
| M15 | 20 17 | 1 50 | 4 55 | 22 36 | 1 13 | 11 1 | 0 39 | 15 16 | 0 16 | 7 9 | 1 9 | 6 0 | 2 19 | 20 17 | 0 8 | 13 58 | 1 52 | 6 58 | 12 9 | 21 42 | 21 29 | 1 17 | 7 12 | 1 56 |
| T 16 | 20 29 | 3s40 | 5 6 | 23 5 | 1 21 | 10 52 | 0 50 | 15 29 | 0 15 | 7 6 | 1 9 | 6 2 | 2 20 | 20 17 | 0 7 | 13 57 | 1 52 | 6 58 | 12 9 | 21 43 | 21 29 | 1 15 | 7 13 | 1 56 |
| W17 | 20 41 | 8 59 | 4 57 | 23 33 | 1 28 | 10 45 | 1 0 | 15 43 | 0 15 | 7 3 | 1 10 | 6 5 | 2 20 | 20 16 | 0 7 | 13 57 | 1 52 | 6 58 | 12 9 | 21 44 | 21 30 | 1 12 | 7 14 | 1 56 |
| T 18 | 20 52 | 13 47 | 4 28 | 23 57 | 1 35 | 10 38 | 1 10 | 15 56 | 0 14 | 7 1 | 1 10 | 6 7 | 2 20 | 20 16 | 0 7 | 13 56 | 1 52 | 6 59 | 12 9 | 21 45 | 21 30 | 1 10 | 7 15 | 1 56 |
| F 19 | 21 3 | 17 42 | 3 42 | 24 19 | 1 41 | 10 33 | 1 19 | 16 10 | 0 13 | 6 58 | 1 10 | 6 9 | 2 20 | 20 15 | 0 7 | 13 56 | 1 52 | 6 59 | 12 9 | 21 47 | 21 31 | 1 7 | 7 16 | 1 56 |
| S 20 | 21 14 | 20 28 | 2 42 | 24 37 | 1 47 | 10 29 | 1 28 | 16 23 | 0 13 | 6 55 | 1 10 | 6 11 | 2 20 | 20 15 | 0 7 | 13 56 | 1 52 | 6 59 | 12 9 | 21 47 | 21 31 | 1 5 | 7 17 | 1 56 |
| S 21 | 21 24 | 21 55 | 1 35 | 24 54 | 1 51 | 10 26 | 1 37 | 16 36 | 0 12 | 6 53 | 1 11 | 6 13 | 2 20 | 20 14 | 0 7 | 13 55 | 1 52 | 6 59 | 12 9 | 21 48 | 21 32 | 1 2 | 7 18 | 1 56 |
| M22 | 21 34 | 22 2 | 0 23 | 25 7 | 1 55 | 10 24 | 1 45 | 16 49 | 0 11 | 6 50 | 1 11 | 6 16 | 2 20 | 20 14 | 0 7 | 13 55 | 1 52 | 7 0 | 12 9 | 21 48 | 21 33 | 1 0 | 7 19 | 1 57 |
| T 23 | 21 43 | 20 55 | 0s48 | 25 18 | 1 58 | 10 23 | 1 53 | 17 1 | 0 11 | 6 48 | 1 11 | 6 18 | 2 21 | 20 13 | 0 7 | 13 54 | 1 52 | 7 0 | 12 9 | 21 48 | 21 33 | 0 57 | 7 20 | 1 57 |
| W24 | 21 52 | 18 46 | 1 54 | 25 26 | 2 1 | 10 23 | 2 0 | 17 14 | 0 10 | 6 45 | 1 12 | 6 20 | 2 21 | 20 13 | 0 7 | 13 54 | 1 52 | 7 0 | 12 9 | 21 48 | 21 34 | 0 55 | 7 21 | 1 57 |
| T 25 | 22 1 | 15 47 | 2 53 | 25 32 | 2 3 | 10 23 | 2 8 | 17 26 | 0 9 | 6 43 | 1 12 | 6 22 | 2 21 | 20 12 | 0 7 | 13 54 | 1 52 | 7 1 | 12 10 | 21 48 | 21 34 | 0 53 | 7 22 | 1 57 |
| F 26 | 22 9 | 12 11 | 3 44 | 25 36 | 2 4 | 10 25 | 2 14 | 17 39 | 0 9 | 6 41 | 1 12 | 6 24 | 2 21 | 20 12 | 0 7 | 13 53 | 1 52 | 7 1 | 12 10 | 21 48 | 21 35 | 0 50 | 7 23 | 1 57 |
| S 27 | 22 17 | 8 9 | 4 23 | 25 37 | 2 4 | 10 28 | 2 21 | 17 51 | 0 8 | 6 38 | 1 12 | 6 26 | 2 21 | 20 11 | 0 7 | 13 53 | 1 52 | 7 1 | 12 10 | 21 48 | 21 35 | 0 48 | 7 24 | 1 57 |
| S 28 | 22 25 | 3 51 | 4 51 | 25 36 | 2 3 | 10 31 | 2 27 | 18 2 | 0 7 | 6 36 | 1 13 | 6 28 | 2 22 | 20 11 | 0 7 | 13 52 | 1 52 | 7 1 | 12 10 | 21 48 | 21 36 | 0 45 | 7 25 | 1 57 |
| M29 | 22 32 | 0n36 | 5 7 | 25 33 | 2 2 | 10 35 | 2 33 | 18 14 | 0 7 | 6 34 | 1 13 | 6 30 | 2 22 | 20 10 | 0 7 | 13 52 | 1 52 | 7 2 | 12 10 | 21 48 | 21 36 | 0 43 | 7 26 | 1 57 |
| T 30 | 22 39 | 5 2 | 5 10 | 25 28 | 2 0 | 10 40 | 2 38 | 18 26 | 0 6 | 6 32 | 1 13 | 6 32 | 2 22 | 20 10 | 0 7 | 13 52 | 1 52 | 7 2 | 12 10 | 21 49 | 21 37 | 0 40 | 7 26 | 1 57 |
| W31 | 22n45 | 9n20 | 4s58 | 25n21 | 1n58 | 10n45 | 2s44 | 18n37 | 0s 5 | 6s30 | 1s14 | 6n34 | 2s22 | 20s 9 | 0n 7 | 13s51 | 1n52 | 7n 2 | 12s10 | 21n50 | 21n37 | 0s38 | 7n27 | 1n57 |

Julian Day Number = 2139024.5, Delta T = 15m33s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'38, Lahiri = 11°55'38 Julian Calendar 1 May 1144 == Greg. Calendar 8 May 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## JUNE 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 4 9 | 16♊26'42 | 19♉34 | 8♋ 6 | 5♉47 | 24♉ 5 | 16♓33 | 22♈31 | 0°R 7 | 12°R23 | 23♉56 | 21°R19 | 22♋41 | 10♈ 7 | 14♈20 | T 1 |
| F 2 | 17 8 6 | 17°23'55 | 1♊58 | 9°39 | 6°21 | 24°47 | 16°38 | 22°36 | 0♐ 5 | 12♏22 | 23°57 | 21♋13 | 22°38 | 10°14 | 14°22 | F 2 |
| S 3 | 17 12 2 | 18°21'08 | 14°35 | 11° 9 | 6°56 | 25°29 | 16°43 | 22°41 | 0° 2 | 12°21 | 23°59 | 21° 8 | 22°35 | 10°21 | 14°24 | S 3 |
| S 4 | 17 15 59 | 19°18'21 | 27°25 | 12°37 | 7°33 | 26°11 | 16°48 | 22°47 | 0° 0 | 12°20 | 24° 0 | 21° 5 | 22°32 | 10°28 | 14°26 | S 4 |
| M 5 | 17 19 56 | 20°15'33 | 10♋28 | 14° 2 | 8°10 | 26°53 | 16°53 | 22°52 | 29♏58 | 12°18 | 24° 1 | 21° 3 | 22°28 | 10°34 | 14°28 | M 5 |
| T 6 | 17 23 52 | 21°12'45 | 23°44 | 15°24 | 8°49 | 27°35 | 16°58 | 22°57 | 29°55 | 12°17 | 24° 2 | 21°D 2 | 22°25 | 10°41 | 14°30 | T 6 |
| W 7 | 17 27 49 | 22° 9'57 | 7♌12 | 16°44 | 9°29 | 28°17 | 17° 3 | 23° 3 | 29°53 | 12°16 | 24° 4 | 21° 3 | 22°22 | 10°48 | 14°32 | W 7 |
| T 8 | 17 31 45 | 23° 7'08 | 20°52 | 18° 2 | 10°10 | 28°59 | 17° 7 | 23° 8 | 29°51 | 12°15 | 24° 5 | 21° 4 | 22°19 | 10°54 | 14°34 | T 8 |
| F 9 | 17 35 42 | 24° 4'18 | 4♍43 | 19°16 | 10°51 | 29°41 | 17°11 | 23°13 | 29°49 | 12°14 | 24° 6 | 21° 6 | 22°16 | 11° 1 | 14°35 | F 9 |
| S 10 | 17 39 38 | 25° 1'29 | 18°45 | 20°28 | 11°34 | 0♊22 | 17°15 | 23°18 | 29°47 | 12°13 | 24° 7 | 21°R 7 | 22°13 | 11° 8 | 14°37 | S 10 |
| S 11 | 17 43 35 | 25°58'38 | 2♎56 | 21°37 | 12°18 | 1° 4 | 17°19 | 23°23 | 29°45 | 12°12 | 24° 9 | 21° 7 | 22° 9 | 11°15 | 14°39 | S 11 |
| M12 | 17 47 31 | 26°55'48 | 17°15 | 22°43 | 13° 3 | 1°46 | 17°23 | 23°27 | 29°42 | 12°11 | 24°10 | 21° 6 | 22° 6 | 11°21 | 14°40 | M12 |
| T 13 | 17 51 28 | 27°52'57 | 1♏38 | 23°47 | 13°48 | 2°27 | 17°26 | 23°32 | 29°40 | 12°10 | 24°11 | 21° 4 | 22° 3 | 11°28 | 14°42 | T 13 |
| W14 | 17 55 25 | 28°50'05 | 16° 1 | 24°47 | 14°34 | 3° 8 | 17°30 | 23°37 | 29°38 | 12° 9 | 24°12 | 21° 1 | 22° 0 | 11°35 | 14°43 | W14 |
| T 15 | 17 59 21 | 29°47'14 | 0♐20 | 25°44 | 15°22 | 3°50 | 17°33 | 23°41 | 29°36 | 12° 8 | 24°13 | 20°58 | 21°57 | 11°41 | 14°45 | T 15 |
| F 16 | 18 3 18 | 0♋44'23 | 14°30 | 26°37 | 16° 9 | 4°31 | 17°36 | 23°46 | 29°34 | 12° 7 | 24°14 | 20°55 | 21°53 | 11°48 | 14°46 | F 16 |
| S 17 | 18 7 14 | 1°41'31 | 28°26 | 27°28 | 16°58 | 5°12 | 17°39 | 23°50 | 29°32 | 12° 6 | 24°15 | 20°53 | 21°50 | 11°55 | 14°47 | S 17 |
| S 18 | 18 11 11 | 2°38'40 | 12♑ 5 | 28°14 | 17°47 | 5°54 | 17°41 | 23°54 | 29°30 | 12° 5 | 24°17 | 20°52 | 21°47 | 12° 2 | 14°49 | S 18 |
| M19 | 18 15 7 | 3°35'49 | 25°24 | 28°58 | 18°37 | 6°35 | 17°44 | 23°59 | 29°28 | 12° 4 | 24°18 | 20°D52 | 21°44 | 12° 8 | 14°50 | M19 |
| T 20 | 18 19 4 | 4°32'58 | 8♒24 | 29°37 | 19°28 | 7°16 | 17°46 | 24° 3 | 29°27 | 12° 3 | 24°19 | 20°53 | 21°41 | 12°15 | 14°51 | T 20 |
| W21 | 18 23 0 | 5°30'08 | 21° 4 | 0♌13 | 20°20 | 7°57 | 17°48 | 24° 7 | 29°25 | 12° 2 | 24°20 | 20°54 | 21°38 | 12°22 | 14°52 | W21 |
| T 22 | 18 26 57 | 6°27'18 | 3♓27 | 0°44 | 21°12 | 8°38 | 17°50 | 24°11 | 29°23 | 12° 1 | 24°21 | 20°55 | 21°34 | 12°29 | 14°53 | T 22 |
| F 23 | 18 30 54 | 7°24'28 | 15°36 | 1°12 | 22° 4 | 9°19 | 17°52 | 24°15 | 29°21 | 12° 1 | 24°22 | 20°56 | 21°31 | 12°35 | 14°54 | F 23 |
| S 24 | 18 34 50 | 8°21'39 | 27°36 | 1°35 | 22°57 | 10° 0 | 17°53 | 24°19 | 29°19 | 12° 0 | 24°23 | 20°57 | 21°28 | 12°42 | 14°55 | S 24 |
| S 25 | 18 38 47 | 9°18'51 | 9♈30 | 1°53 | 23°51 | 10°41 | 17°54 | 24°22 | 29°18 | 11°59 | 24°24 | 20°R57 | 21°25 | 12°49 | 14°56 | S 25 |
| M26 | 18 42 43 | 10°16'03 | 21°24 | 2° 7 | 24°45 | 11°21 | 17°55 | 24°26 | 29°16 | 11°59 | 24°25 | 20°57 | 21°22 | 12°55 | 14°57 | M26 |
| T 27 | 18 46 40 | 11°13'16 | 3♉21 | 2°17 | 25°40 | 12° 2 | 17°56 | 24°30 | 29°14 | 11°58 | 24°26 | 20°56 | 21°19 | 13° 2 | 14°58 | T 27 |
| W28 | 18 50 36 | 12°10'30 | 15°27 | 2°R21 | 26°35 | 12°43 | 17°57 | 24°33 | 29°13 | 11°57 | 24°27 | 20°55 | 21°15 | 13° 9 | 14°59 | W28 |
| T 29 | 18 54 33 | 13° 7'44 | 27°44 | 2°21 | 27°31 | 13°23 | 17°57 | 24°36 | 29°11 | 11°57 | 24°28 | 20°54 | 21°12 | 13°16 | 15° 0 | T 29 |
| F 30 | 18 58 29 | 14♋ 4'59 | 10♊16 | 2♌16 | 28♉27 | 14♊ 4 | 17♓58 | 24♈40 | 29♏10 | 11♏56 | 24♉29 | 20♋54 | 21♋ 9 | 13♈22 | 15♈ 0 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n51 | 13n19 | 4s34 | 25n12 | 1n54 | 10n52 | 2s48 | 18n48 | 0s 5 | 6s28 | 1s14 | 6n36 | 2s22 | 20s 9 | 0n 7 | 13s51 | 1n52 | 7n 2 | 12s10 | 21n51 | 21n38 | 0s35 | 7n28 | 1n57 |
| F 2 | 22 57 | 16 48 | 3 56 | 25 2 | 1 50 | 10 59 | 2 53 | 18 59 | 0 4 | 6 26 | 1 14 | 6 38 | 2 22 | 20 8 | 0 7 | 13 51 | 1 52 | 7 3 | 12 10 | 21 52 | 21 38 | 0 33 | 7 29 | 1 57 |
| S 3 | 23 2 | 19 35 | 3 6 | 24 50 | 1 46 | 11 6 | 2 57 | 19 10 | 0 3 | 6 24 | 1 14 | 6 40 | 2 23 | 20 8 | 0 7 | 13 50 | 1 52 | 7 3 | 12 10 | 21 53 | 21 39 | 0 31 | 7 30 | 1 57 |
| S 4 | 23 7 | 21 26 | 2 5 | 24 37 | 1 40 | 11 14 | 3 1 | 19 21 | 0 3 | 6 23 | 1 15 | 6 41 | 2 23 | 20 7 | 0 7 | 13 50 | 1 52 | 7 3 | 12 10 | 21 53 | 21 39 | 0 28 | 7 31 | 1 57 |
| M 5 | 23 11 | 22 11 | 0 57 | 24 22 | 1 35 | 11 23 | 3 5 | 19 31 | 0 2 | 6 21 | 1 15 | 6 43 | 2 23 | 20 7 | 0 7 | 13 50 | 1 52 | 7 3 | 12 10 | 21 54 | 21 40 | 0 26 | 7 31 | 1 57 |
| T 6 | 23 15 | 21 42 | 0n15 | 24 7 | 1 28 | 11 32 | 3 8 | 19 41 | 0 2 | 6 19 | 1 15 | 6 45 | 2 23 | 20 7 | 0 7 | 13 49 | 1 52 | 7 3 | 12 10 | 21 54 | 21 40 | 0 23 | 7 32 | 1 57 |
| W 7 | 23 19 | 19 58 | 1 27 | 23 50 | 1 21 | 11 41 | 3 12 | 19 51 | 0 1 | 6 18 | 1 16 | 6 47 | 2 23 | 20 6 | 0 7 | 13 49 | 1 52 | 7 4 | 12 10 | 21 54 | 21 41 | 0 21 | 7 33 | 1 57 |
| T 8 | 23 22 | 17 4 | 2 36 | 23 32 | 1 13 | 11 51 | 3 15 | 20 1 | 0 0 | 6 16 | 1 16 | 6 48 | 2 24 | 20 6 | 0 7 | 13 49 | 1 52 | 7 4 | 12 10 | 21 53 | 21 42 | 0 18 | 7 34 | 1 57 |
| F 9 | 23 25 | 13 11 | 3 37 | 23 14 | 1 5 | 12 2 | 3 17 | 20 11 | 0n 1 | 6 15 | 1 16 | 6 50 | 2 24 | 20 5 | 0 7 | 13 48 | 1 52 | 7 4 | 12 10 | 21 53 | 21 42 | 0 16 | 7 34 | 1 57 |
| S 10 | 23 27 | 8 32 | 4 25 | 22 55 | 0 56 | 12 12 | 3 20 | 20 20 | 0 1 | 6 14 | 1 16 | 6 52 | 2 24 | 20 5 | 0 7 | 13 48 | 1 52 | 7 4 | 12 11 | 21 53 | 21 43 | 0 13 | 7 35 | 1 57 |
| S 11 | 23 29 | 3 23 | 4 58 | 22 35 | 0 47 | 12 23 | 3 22 | 20 30 | 0 2 | 6 13 | 1 17 | 6 53 | 2 24 | 20 4 | 0 7 | 13 48 | 1 52 | 7 4 | 12 11 | 21 53 | 21 43 | 0 11 | 7 36 | 1 57 |
| M12 | 23 31 | 1s59 | 5 13 | 22 14 | 0 37 | 12 35 | 3 24 | 20 39 | 0 3 | 6 11 | 1 17 | 6 55 | 2 24 | 20 4 | 0 7 | 13 47 | 1 52 | 7 5 | 12 11 | 21 53 | 21 44 | 0 8 | 7 36 | 1 57 |
| T 13 | 23 32 | 7 16 | 5 9 | 21 53 | 0 27 | 12 47 | 3 26 | 20 48 | 0 3 | 6 10 | 1 17 | 6 56 | 2 25 | 20 3 | 0 7 | 13 47 | 1 51 | 7 5 | 12 11 | 21 53 | 21 44 | 0 6 | 7 37 | 1 57 |
| W14 | 23 33 | 12 10 | 4 45 | 21 32 | 0 16 | 12 59 | 3 27 | 20 57 | 0 4 | 6 9 | 1 18 | 6 58 | 2 25 | 20 3 | 0 7 | 13 47 | 1 51 | 7 5 | 12 11 | 21 54 | 21 45 | 0 3 | 7 38 | 1 57 |
| T 15 | 23 33 | 16 21 | 4 3 | 21 10 | 0 4 | 13 11 | 3 29 | 21 5 | 0 5 | 6 8 | 1 18 | 6 59 | 2 25 | 20 3 | 0 7 | 13 47 | 1 51 | 7 5 | 12 11 | 21 54 | 21 45 | 0 1 | 7 38 | 1 57 |
| F 16 | 23 33 | 19 33 | 3 7 | 20 48 | 0s 7 | 13 24 | 3 30 | 21 14 | 0 5 | 6 7 | 1 18 | 7 1 | 2 25 | 20 2 | 0 7 | 13 46 | 1 51 | 7 5 | 12 11 | 21 55 | 21 46 | 0n 2 | 7 39 | 1 57 |
| S 17 | 23 32 | 21 32 | 2 1 | 20 27 | 0 20 | 13 36 | 3 31 | 21 22 | 0 6 | 6 7 | 1 19 | 7 2 | 2 26 | 20 2 | 0 7 | 13 46 | 1 51 | 7 5 | 12 11 | 21 55 | 21 46 | 0 4 | 7 39 | 1 57 |
| S 18 | 23 31 | 22 12 | 0 48 | 20 5 | 0 32 | 13 49 | 3 32 | 21 30 | 0 7 | 6 6 | 1 19 | 7 4 | 2 26 | 20 1 | 0 7 | 13 46 | 1 51 | 7 6 | 12 11 | 21 55 | 21 47 | 0 7 | 7 40 | 1 57 |
| M19 | 23 30 | 21 34 | 0s25 | 19 43 | 0 45 | 14 3 | 3 32 | 21 38 | 0 7 | 6 5 | 1 19 | 7 5 | 2 26 | 20 1 | 0 7 | 13 46 | 1 51 | 7 6 | 12 12 | 21 55 | 21 47 | 0 9 | 7 40 | 1 57 |
| T 20 | 23 28 | 19 47 | 1 35 | 19 22 | 0 59 | 14 16 | 3 33 | 21 45 | 0 8 | 6 5 | 1 20 | 7 6 | 2 26 | 20 1 | 0 7 | 13 46 | 1 51 | 7 6 | 12 12 | 21 55 | 21 48 | 0 11 | 7 41 | 1 57 |
| W21 | 23 26 | 17 3 | 2 39 | 19 1 | 1 12 | 14 29 | 3 33 | 21 53 | 0 9 | 6 4 | 1 20 | 7 8 | 2 26 | 20 0 | 0 7 | 13 45 | 1 51 | 7 6 | 12 12 | 21 55 | 21 48 | 0 14 | 7 41 | 1 57 |
| T 22 | 23 23 | 13 36 | 3 34 | 18 41 | 1 26 | 14 43 | 3 33 | 22 0 | 0 9 | 6 4 | 1 20 | 7 9 | 2 27 | 20 0 | 0 7 | 13 45 | 1 51 | 7 6 | 12 12 | 21 55 | 21 49 | 0 16 | 7 42 | 1 57 |
| F 23 | 23 20 | 9 40 | 4 18 | 18 21 | 1 41 | 14 56 | 3 33 | 22 7 | 0 10 | 6 3 | 1 21 | 7 10 | 2 27 | 19 59 | 0 7 | 13 45 | 1 51 | 7 6 | 12 12 | 21 55 | 21 49 | 0 19 | 7 42 | 1 58 |
| S 24 | 23 17 | 5 24 | 4 50 | 18 2 | 1 55 | 15 10 | 3 33 | 22 14 | 0 11 | 6 3 | 1 21 | 7 11 | 2 27 | 19 59 | 0 7 | 13 45 | 1 51 | 7 6 | 12 12 | 21 54 | 21 50 | 0 21 | 7 43 | 1 58 |
| S 25 | 23 13 | 0 58 | 5 10 | 17 44 | 2 9 | 15 23 | 3 32 | 22 20 | 0 11 | 6 3 | 1 21 | 7 12 | 2 27 | 19 59 | 0 7 | 13 45 | 1 51 | 7 6 | 12 12 | 21 54 | 21 50 | 0 24 | 7 43 | 1 58 |
| M26 | 23 9 | 3n30 | 5 16 | 17 27 | 2 24 | 15 37 | 3 32 | 22 27 | 0 12 | 6 3 | 1 21 | 7 13 | 2 28 | 19 58 | 0 7 | 13 44 | 1 51 | 7 6 | 12 12 | 21 54 | 21 51 | 0 26 | 7 43 | 1 58 |
| T 27 | 23 4 | 7 51 | 5 9 | 17 10 | 2 38 | 15 51 | 3 31 | 22 33 | 0 13 | 6 3 | 1 22 | 7 14 | 2 28 | 19 58 | 0 7 | 13 44 | 1 51 | 7 7 | 12 13 | 21 55 | 21 51 | 0 29 | 7 44 | 1 58 |
| W28 | 22 59 | 11 57 | 4 48 | 16 55 | 2 53 | 16 4 | 3 30 | 22 39 | 0 13 | 6 3 | 1 22 | 7 16 | 2 28 | 19 58 | 0 7 | 13 44 | 1 51 | 7 7 | 12 13 | 21 55 | 21 52 | 0 31 | 7 44 | 1 58 |
| T 29 | 22 54 | 15 38 | 4 13 | 16 42 | 3 7 | 16 18 | 3 29 | 22 45 | 0 14 | 6 3 | 1 22 | 7 17 | 2 28 | 19 57 | 0 7 | 13 44 | 1 51 | 7 7 | 12 13 | 21 55 | 21 52 | 0 34 | 7 45 | 1 58 |
| F 30 | 22n48 | 18n41 | 3s26 | 16n30 | 3s20 | 16n31 | 3s28 | 22n50 | 0n15 | 6s 3 | 1s23 | 7n18 | 2s29 | 19s57 | 0n 7 | 13s44 | 1n51 | 7n 7 | 12s13 | 21n55 | 21n53 | 0n36 | 7n45 | 1n58 |

Julian Day Number = 2139055.5, Delta T = 15m33s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'42, Lahiri = 11°55'42 Julian Calendar 1 June 1144 == Greg. Calendar 8 June 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## JULY 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 2 26 | 15♋ 2'15 | 23♊ 5 | 2°R 6 | 29♉24 | 14♊45 | 17°R58 | 24♈43 | 29°R 8 | 11°R56 | 24♉30 | 20°R53 | 21♋ 6 | 13♈29 | 15♈ 1 | S 1 |
| S 2 | 19 6 23 | 15°59'32 | 6♋12 | 1♌51 | 0♊21 | 15°25 | 17♓58 | 24°46 | 29♏ 7 | 11♏55 | 24°31 | 20♋52 | 21° 3 | 13°36 | 15° 2 | S 2 |
| M 3 | 19 10 19 | 16°56'49 | 19°36 | 1°31 | 1°19 | 16° 5 | 17°57 | 24°49 | 29° 5 | 11°55 | 24°32 | 20°D52 | 20°59 | 13°43 | 15° 2 | M 3 |
| T 4 | 19 14 16 | 17°54'07 | 3♌16 | 1° 7 | 2°17 | 16°46 | 17°57 | 24°52 | 29° 4 | 11°54 | 24°33 | 20°52 | 20°56 | 13°49 | 15° 3 | T 4 |
| W 5 | 19 18 12 | 18°51'25 | 17°11 | 0°39 | 3°15 | 17°26 | 17°56 | 24°55 | 29° 3 | 11°54 | 24°33 | 20°52 | 20°53 | 13°56 | 15° 3 | W 5 |
| T 6 | 19 22 9 | 19°48'44 | 1♍16 | 0° 6 | 4°14 | 18° 6 | 17°55 | 24°58 | 29° 1 | 11°53 | 24°34 | 20°53 | 20°50 | 14° 3 | 15° 3 | T 6 |
| F 7 | 19 26 5 | 20°46'03 | 15°28 | 29♋30 | 5°13 | 18°46 | 17°54 | 25° 0 | 29° 0 | 11°53 | 24°35 | 20°R53 | 20°47 | 14° 9 | 15° 4 | F 7 |
| S 8 | 19 30 2 | 21°43'23 | 29°44 | 28°51 | 6°13 | 19°27 | 17°53 | 25° 3 | 28°59 | 11°53 | 24°36 | 20°53 | 20°44 | 14°16 | 15° 4 | S 8 |
| S 9 | 19 33 59 | 22°40'44 | 14♎ 1 | 28° 9 | 7°12 | 20° 7 | 17°51 | 25° 5 | 28°58 | 11°52 | 24°37 | 20°53 | 20°40 | 14°23 | 15° 4 | S 9 |
| M10 | 19 37 55 | 23°38'04 | 28°16 | 27°26 | 8°13 | 20°47 | 17°50 | 25° 7 | 28°57 | 11°52 | 24°38 | 20°D53 | 20°37 | 14°30 | 15° 4 | M10 |
| T 11 | 19 41 52 | 24°35'26 | 12♏25 | 26°41 | 9°13 | 21°27 | 17°48 | 25°10 | 28°56 | 11°52 | 24°38 | 20°53 | 20°34 | 14°36 | 15° 4 | T 11 |
| W12 | 19 45 48 | 25°32'48 | 26°27 | 25°57 | 10°14 | 22° 6 | 17°46 | 25°12 | 28°55 | 11°52 | 24°39 | 20°53 | 20°31 | 14°43 | 15°R 4 | W12 |
| T 13 | 19 49 45 | 26°30'11 | 10♐21 | 25°12 | 11°15 | 22°46 | 17°44 | 25°14 | 28°54 | 11°52 | 24°40 | 20°54 | 20°28 | 14°50 | 15° 4 | T 13 |
| F 14 | 19 53 41 | 27°27'34 | 24° 3 | 24°29 | 12°17 | 23°26 | 17°41 | 25°16 | 28°53 | 11°52 | 24°41 | 20°54 | 20°25 | 14°56 | 15° 4 | F 14 |
| S 15 | 19 57 38 | 28°24'59 | 7♑32 | 23°48 | 13°18 | 24° 6 | 17°39 | 25°18 | 28°52 | 11°51 | 24°41 | 20°55 | 20°21 | 15° 3 | 15° 4 | S 15 |
| S 16 | 20 1 34 | 29°22'24 | 20°48 | 23°10 | 14°20 | 24°45 | 17°36 | 25°19 | 28°51 | 11°51 | 24°42 | 20°R55 | 20°18 | 15°10 | 15° 4 | S 16 |
| M17 | 20 5 31 | 0♌19'50 | 3♒50 | 22°36 | 15°23 | 25°25 | 17°33 | 25°21 | 28°50 | 11°51 | 24°43 | 20°54 | 20°15 | 15°17 | 15° 4 | M17 |
| T 18 | 20 9 28 | 1°17'18 | 16°36 | 22° 6 | 16°25 | 26° 5 | 17°30 | 25°22 | 28°50 | 11°D51 | 24°43 | 20°54 | 20°12 | 15°23 | 15° 4 | T 18 |
| W19 | 20 13 24 | 2°14'46 | 29° 8 | 21°41 | 17°28 | 26°44 | 17°26 | 25°24 | 28°49 | 11°51 | 24°44 | 20°53 | 20° 9 | 15°30 | 15° 3 | W19 |
| T 20 | 20 17 21 | 3°12'16 | 11♓27 | 21°21 | 18°31 | 27°23 | 17°23 | 25°25 | 28°48 | 11°51 | 24°45 | 20°51 | 20° 5 | 15°37 | 15° 3 | T 20 |
| F 21 | 20 21 17 | 4° 9'47 | 23°34 | 21° 8 | 19°35 | 28° 3 | 17°19 | 25°26 | 28°48 | 11°52 | 24°45 | 20°49 | 20° 2 | 15°44 | 15° 2 | F 21 |
| S 22 | 20 25 14 | 5° 7'19 | 5♈33 | 21° 1 | 20°38 | 28°42 | 17°15 | 25°28 | 28°47 | 11°52 | 24°46 | 20°47 | 19°59 | 15°50 | 15° 2 | S 22 |
| S 23 | 20 29 10 | 6° 4'53 | 17°27 | 21°D 1 | 21°42 | 29°21 | 17°11 | 25°29 | 28°47 | 11°52 | 24°46 | 20°46 | 19°56 | 15°57 | 15° 1 | S 23 |
| M24 | 20 33 7 | 7° 2'28 | 29°20 | 21° 7 | 22°46 | 0♋ 1 | 17° 7 | 25°29 | 28°46 | 11°52 | 24°47 | 20°45 | 19°53 | 16° 4 | 15° 1 | M24 |
| T 25 | 20 37 3 | 8° 0'05 | 11♉17 | 21°21 | 23°51 | 0°40 | 17° 2 | 25°30 | 28°46 | 11°52 | 24°47 | 20°D45 | 19°50 | 16°10 | 15° 0 | T 25 |
| W26 | 20 41 0 | 8°57'43 | 23°22 | 21°42 | 24°56 | 1°19 | 16°58 | 25°31 | 28°46 | 11°52 | 24°48 | 20°45 | 19°46 | 16°17 | 14°59 | W26 |
| T 27 | 20 44 57 | 9°55'23 | 5♊39 | 22°10 | 26° 0 | 1°58 | 16°53 | 25°31 | 28°45 | 11°53 | 24°48 | 20°47 | 19°43 | 16°24 | 14°59 | T 27 |
| F 28 | 20 48 53 | 10°53'04 | 18°14 | 22°45 | 27° 5 | 2°37 | 16°48 | 25°32 | 28°45 | 11°53 | 24°49 | 20°48 | 19°40 | 16°31 | 14°58 | F 28 |
| S 29 | 20 52 50 | 11°50'48 | 1♋ 8 | 23°28 | 28°11 | 3°16 | 16°43 | 25°32 | 28°45 | 11°53 | 24°49 | 20°49 | 19°37 | 16°37 | 14°57 | S 29 |
| S 30 | 20 56 46 | 12°48'32 | 14°25 | 24°17 | 29°16 | 3°55 | 16°37 | 25°33 | 28°45 | 11°54 | 24°50 | 20°R50 | 19°34 | 16°44 | 14°56 | S 30 |
| M31 | 21 0 43 | 13♌46'19 | 28♋ 6 | 25♋14 | 0♋22 | 4♋34 | 16♓32 | 25♈33 | 28♏45 | 11♏54 | 24♉50 | 20♋50 | 19♋31 | 16♈51 | 14♈55 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n42 | 20n54 | 2s28 | 16n19 | 3s34 | 16n45 | 3s27 | 22n56 | 0n15 | 6s 3 | 1s23 | 7n18 | 2s29 | 19s57 | 0n 7 | 13s44 | 1n51 | 7n 7 | 12s13 | 21n55 | 21n53 | 0n39 | 7n45 | 1n58 |
| S 2 | 22 35 | 22 4 | 1 20 | 16 10 | 3 46 | 16 58 | 3 25 | 23 1 | 0 16 | 6 3 | 1 23 | 7 19 | 2 29 | 19 56 | 0 7 | 13 44 | 1 50 | 7 7 | 12 13 | 21 55 | 21 54 | 0 41 | 7 45 | 1 58 |
| M 3 | 22 28 | 22 0 | 0 7 | 16 2 | 3 58 | 17 11 | 3 24 | 23 6 | 0 17 | 6 4 | 1 24 | 7 20 | 2 29 | 19 56 | 0 7 | 13 44 | 1 50 | 7 7 | 12 14 | 21 55 | 21 54 | 0 44 | 7 46 | 1 58 |
| T 4 | 22 21 | 20 37 | 1n 8 | 15 56 | 4 10 | 17 24 | 3 22 | 23 11 | 0 17 | 6 4 | 1 24 | 7 21 | 2 30 | 19 56 | 0 7 | 13 44 | 1 50 | 7 7 | 12 14 | 21 55 | 21 55 | 0 46 | 7 46 | 1 58 |
| W 5 | 22 13 | 17 59 | 2 21 | 15 53 | 4 20 | 17 37 | 3 21 | 23 15 | 0 18 | 6 5 | 1 24 | 7 22 | 2 30 | 19 56 | 0 7 | 13 44 | 1 50 | 7 7 | 12 14 | 21 55 | 21 55 | 0 49 | 7 46 | 1 58 |
| T 6 | 22 5 | 14 16 | 3 26 | 15 50 | 4 29 | 17 50 | 3 19 | 23 20 | 0 19 | 6 6 | 1 25 | 7 23 | 2 30 | 19 55 | 0 7 | 13 43 | 1 50 | 7 7 | 12 14 | 21 55 | 21 56 | 0 51 | 7 46 | 1 58 |
| F 7 | 21 56 | 9 43 | 4 18 | 15 50 | 4 37 | 18 3 | 3 17 | 23 24 | 0 20 | 6 6 | 1 25 | 7 23 | 2 30 | 19 55 | 0 7 | 13 43 | 1 50 | 7 7 | 12 14 | 21 55 | 21 56 | 0 54 | 7 46 | 1 58 |
| S 8 | 21 47 | 4 37 | 4 56 | 15 52 | 4 43 | 18 15 | 3 15 | 23 28 | 0 20 | 6 7 | 1 25 | 7 24 | 2 31 | 19 55 | 0 7 | 13 43 | 1 50 | 7 7 | 12 14 | 21 55 | 21 57 | 0 56 | 7 47 | 1 58 |
| S 9 | 21 38 | 0s43 | 5 15 | 15 55 | 4 48 | 18 27 | 3 12 | 23 32 | 0 21 | 6 8 | 1 26 | 7 25 | 2 31 | 19 55 | 0 7 | 13 43 | 1 50 | 7 7 | 12 15 | 21 55 | 21 57 | 0 59 | 7 47 | 1 58 |
| M10 | 21 28 | 6 1 | 5 14 | 16 1 | 4 51 | 18 39 | 3 10 | 23 35 | 0 22 | 6 9 | 1 26 | 7 25 | 2 31 | 19 54 | 0 7 | 13 43 | 1 50 | 7 7 | 12 15 | 21 55 | 21 58 | 1 1 | 7 47 | 1 58 |
| T 11 | 21 18 | 10 57 | 4 55 | 16 8 | 4 53 | 18 50 | 3 8 | 23 39 | 0 22 | 6 10 | 1 26 | 7 26 | 2 32 | 19 54 | 0 7 | 13 43 | 1 50 | 7 7 | 12 15 | 21 55 | 21 58 | 1 4 | 7 47 | 1 58 |
| W12 | 21 8 | 15 16 | 4 18 | 16 16 | 4 52 | 19 2 | 3 5 | 23 42 | 0 23 | 6 11 | 1 26 | 7 26 | 2 32 | 19 54 | 0 7 | 13 43 | 1 50 | 7 7 | 12 15 | 21 55 | 21 58 | 1 6 | 7 47 | 1 58 |
| T 13 | 20 57 | 18 42 | 3 26 | 16 26 | 4 50 | 19 13 | 3 3 | 23 45 | 0 24 | 6 12 | 1 27 | 7 27 | 2 32 | 19 54 | 0 7 | 13 43 | 1 50 | 7 7 | 12 15 | 21 55 | 21 59 | 1 9 | 7 47 | 1 58 |
| F 14 | 20 46 | 21 2 | 2 23 | 16 37 | 4 46 | 19 24 | 3 0 | 23 47 | 0 24 | 6 13 | 1 27 | 7 27 | 2 32 | 19 54 | 0 7 | 13 43 | 1 50 | 7 7 | 12 16 | 21 55 | 21 59 | 1 11 | 7 47 | 1 58 |
| S 15 | 20 34 | 22 7 | 1 13 | 16 50 | 4 41 | 19 34 | 2 57 | 23 50 | 0 25 | 6 15 | 1 27 | 7 28 | 2 33 | 19 53 | 0 7 | 13 43 | 1 50 | 7 7 | 12 16 | 21 55 | 22 0 | 1 14 | 7 47 | 1 58 |
| S 16 | 20 23 | 21 55 | 0 1 | 17 4 | 4 33 | 19 44 | 2 55 | 23 52 | 0 26 | 6 16 | 1 28 | 7 28 | 2 33 | 19 53 | 0 7 | 13 43 | 1 50 | 7 7 | 12 16 | 21 55 | 22 0 | 1 16 | 7 47 | 1 59 |
| M17 | 20 10 | 20 32 | 1s11 | 17 18 | 4 24 | 19 54 | 2 52 | 23 55 | 0 26 | 6 17 | 1 28 | 7 28 | 2 33 | 19 53 | 0 7 | 13 43 | 1 50 | 7 7 | 12 16 | 21 55 | 22 1 | 1 19 | 7 47 | 1 59 |
| T 18 | 19 58 | 18 7 | 2 17 | 17 33 | 4 14 | 20 3 | 2 49 | 23 57 | 0 27 | 6 19 | 1 28 | 7 29 | 2 33 | 19 53 | 0 7 | 13 44 | 1 49 | 7 7 | 12 16 | 21 55 | 22 1 | 1 21 | 7 47 | 1 59 |
| W19 | 19 45 | 14 53 | 3 16 | 17 48 | 4 2 | 20 12 | 2 46 | 23 58 | 0 28 | 6 21 | 1 29 | 7 29 | 2 34 | 19 53 | 0 7 | 13 44 | 1 49 | 7 7 | 12 17 | 21 55 | 22 2 | 1 24 | 7 47 | 1 59 |
| T 20 | 19 32 | 11 4 | 4 4 | 18 4 | 3 49 | 20 21 | 2 43 | 24 0 | 0 29 | 6 22 | 1 29 | 7 29 | 2 34 | 19 53 | 0 7 | 13 44 | 1 49 | 7 7 | 12 17 | 21 55 | 22 2 | 1 26 | 7 47 | 1 59 |
| F 21 | 19 18 | 6 51 | 4 41 | 18 20 | 3 35 | 20 29 | 2 39 | 24 1 | 0 29 | 6 24 | 1 29 | 7 29 | 2 34 | 19 53 | 0 7 | 13 44 | 1 49 | 7 7 | 12 17 | 21 56 | 22 3 | 1 29 | 7 46 | 1 59 |
| S 22 | 19 4 | 2 26 | 5 5 | 18 36 | 3 20 | 20 37 | 2 36 | 24 3 | 0 30 | 6 26 | 1 29 | 7 30 | 2 34 | 19 52 | 0 7 | 13 44 | 1 49 | 7 7 | 12 17 | 21 56 | 22 3 | 1 31 | 7 46 | 1 59 |
| S 23 | 18 50 | 2n 2 | 5 15 | 18 51 | 3 5 | 20 45 | 2 33 | 24 3 | 0 31 | 6 28 | 1 30 | 7 30 | 2 35 | 19 52 | 0 7 | 13 44 | 1 49 | 7 7 | 12 17 | 21 56 | 22 4 | 1 34 | 7 46 | 1 59 |
| M24 | 18 36 | 6 25 | 5 12 | 19 6 | 2 49 | 20 52 | 2 30 | 24 4 | 0 31 | 6 30 | 1 30 | 7 30 | 2 35 | 19 52 | 0 7 | 13 44 | 1 49 | 7 6 | 12 18 | 21 56 | 22 4 | 1 36 | 7 46 | 1 59 |
| T 25 | 18 21 | 10 36 | 4 56 | 19 20 | 2 32 | 20 58 | 2 26 | 24 5 | 0 32 | 6 32 | 1 30 | 7 30 | 2 35 | 19 52 | 0 7 | 13 44 | 1 49 | 7 6 | 12 18 | 21 56 | 22 5 | 1 39 | 7 46 | 1 59 |
| W26 | 18 6 | 14 24 | 4 26 | 19 34 | 2 15 | 21 4 | 2 23 | 24 5 | 0 33 | 6 34 | 1 30 | 7 30 | 2 36 | 19 52 | 0 7 | 13 44 | 1 49 | 7 6 | 12 18 | 21 56 | 22 5 | 1 42 | 7 45 | 1 59 |
| T 27 | 17 51 | 17 40 | 3 44 | 19 46 | 1 58 | 21 10 | 2 19 | 24 6 | 0 33 | 6 36 | 1 31 | 7 30 | 2 36 | 19 52 | 0 7 | 13 44 | 1 49 | 7 6 | 12 18 | 21 56 | 22 6 | 1 44 | 7 45 | 1 59 |
| F 28 | 17 35 | 20 12 | 2 50 | 19 57 | 1 42 | 21 15 | 2 16 | 24 6 | 0 34 | 6 38 | 1 31 | 7 30 | 2 36 | 19 52 | 0 7 | 13 45 | 1 49 | 7 6 | 12 18 | 21 56 | 22 6 | 1 47 | 7 45 | 1 59 |
| S 29 | 17 19 | 21 46 | 1 46 | 20 6 | 1 25 | 21 20 | 2 12 | 24 5 | 0 35 | 6 40 | 1 31 | 7 30 | 2 36 | 19 52 | 0 6 | 13 45 | 1 49 | 7 6 | 12 19 | 21 56 | 22 6 | 1 49 | 7 45 | 1 59 |
| S 30 | 17 3 | 22 11 | 0 35 | 20 14 | 1 8 | 21 24 | 2 8 | 24 5 | 0 36 | 6 42 | 1 31 | 7 29 | 2 37 | 19 52 | 0 6 | 13 45 | 1 49 | 7 6 | 12 19 | 21 56 | 22 7 | 1 52 | 7 44 | 1 59 |
| M31 | 16n46 | 21n17 | 0n40 | 20n20 | 0s52 | 21n28 | 2s 5 | 24n 4 | 0n36 | 6s45 | 1s32 | 7n29 | 2s37 | 19s52 | 0n 6 | 13s45 | 1n49 | 7n 6 | 12s19 | 21n56 | 22n 7 | 1n54 | 7n44 | 1n59 |

Julian Day Number = 2139085.5, Delta T = 15m32s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'46, Lahiri = 11°55'47 Julian Calendar 1 July 1144 == Greg. Calendar 8 July 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## AUGUST 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 4 39 | 14♌44'06 | 12♌ 7 | 26♋17 | 1♋28 | 5♋12 | 16°R26 | 25°R33 | 28°D45 | 11♏55 | 24♉50 | 20°R49 | 19♋27 | 16♈58 | 14°R54 | T 1 |
| W 2 | 21 8 36 | 15°41'56 | 26°28 | 27°26 | 2°34 | 5°51 | 16♓21 | 25♈33 | 28♏45 | 11°55 | 24°51 | 20♋47 | 19°24 | 17° 4 | 14♈53 | W 2 |
| T 3 | 21 12 32 | 16°39'46 | 11♍ 1 | 28°41 | 3°40 | 6°30 | 16°15 | 25°33 | 28°45 | 11°56 | 24°51 | 20°43 | 19°21 | 17°11 | 14°52 | T 3 |
| F 4 | 21 16 29 | 17°37'38 | 25°40 | 0♌ 2 | 4°47 | 7° 8 | 16° 9 | 25°32 | 28°45 | 11°56 | 24°51 | 20°40 | 19°18 | 17°18 | 14°51 | F 4 |
| S 5 | 21 20 26 | 18°35'31 | 10♎19 | 1°28 | 5°53 | 7°47 | 16° 3 | 25°32 | 28°45 | 11°57 | 24°52 | 20°36 | 19°15 | 17°24 | 14°49 | S 5 |
| S 6 | 21 24 22 | 19°33'26 | 24°51 | 2°59 | 7° 0 | 8°25 | 15°56 | 25°31 | 28°46 | 11°57 | 24°52 | 20°33 | 19°11 | 17°31 | 14°48 | S 6 |
| M 7 | 21 28 19 | 20°31'22 | 9♏12 | 4°35 | 8° 7 | 9° 4 | 15°50 | 25°31 | 28°46 | 11°58 | 24°52 | 20°32 | 19° 8 | 17°38 | 14°47 | M 7 |
| T 8 | 21 32 15 | 21°29'19 | 23°19 | 6°15 | 9°14 | 9°42 | 15°43 | 25°30 | 28°46 | 11°59 | 24°52 | 20°D31 | 19° 5 | 17°45 | 14°45 | T 8 |
| W 9 | 21 36 12 | 22°27'18 | 7♐10 | 7°58 | 10°22 | 10°20 | 15°37 | 25°29 | 28°47 | 11°59 | 24°53 | 20°32 | 19° 2 | 17°51 | 14°44 | W 9 |
| T 10 | 21 40 8 | 23°25'18 | 20°45 | 9°44 | 11°29 | 10°59 | 15°30 | 25°28 | 28°47 | 12° 0 | 24°53 | 20°33 | 18°59 | 17°58 | 14°43 | T 10 |
| F 11 | 21 44 5 | 24°23'19 | 4♑ 5 | 11°33 | 12°37 | 11°37 | 15°23 | 25°27 | 28°47 | 12° 1 | 24°53 | 20°35 | 18°56 | 18° 5 | 14°41 | F 11 |
| S 12 | 21 48 1 | 25°21'22 | 17°11 | 13°24 | 13°45 | 12°15 | 15°16 | 25°26 | 28°48 | 12° 2 | 24°53 | 20°R36 | 18°52 | 18°11 | 14°39 | S 12 |
| S 13 | 21 51 58 | 26°19'26 | 0♒ 4 | 15°17 | 14°53 | 12°53 | 15° 9 | 25°25 | 28°49 | 12° 3 | 24°53 | 20°35 | 18°49 | 18°18 | 14°38 | S 13 |
| M14 | 21 55 55 | 27°17'32 | 12°46 | 17°11 | 16° 1 | 13°31 | 15° 2 | 25°24 | 28°49 | 12° 3 | 24°53 | 20°33 | 18°46 | 18°25 | 14°36 | M14 |
| T 15 | 21 59 51 | 28°15'40 | 25°16 | 19° 6 | 17° 9 | 14° 9 | 14°54 | 25°22 | 28°50 | 12° 4 | 24°53 | 20°29 | 18°43 | 18°32 | 14°35 | T 15 |
| W16 | 22 3 48 | 29°13'49 | 7♓36 | 21° 2 | 18°17 | 14°47 | 14°47 | 25°21 | 28°51 | 12° 5 | 24°53 | 20°24 | 18°40 | 18°38 | 14°33 | W16 |
| T 17 | 22 7 44 | 0♍12'00 | 19°47 | 22°59 | 19°26 | 15°24 | 14°40 | 25°19 | 28°52 | 12° 6 | 24°53 | 20°17 | 18°37 | 18°45 | 14°31 | T 17 |
| F 18 | 22 11 41 | 1°10'13 | 1♈49 | 24°55 | 20°35 | 16° 2 | 14°32 | 25°18 | 28°52 | 12° 7 | 24°R53 | 20° 9 | 18°33 | 18°52 | 14°29 | F 18 |
| S 19 | 22 15 37 | 2° 8'27 | 13°46 | 26°51 | 21°44 | 16°40 | 14°24 | 25°16 | 28°53 | 12° 8 | 24°53 | 20° 2 | 18°30 | 18°59 | 14°27 | S 19 |
| S 20 | 22 19 34 | 3° 6'44 | 25°38 | 28°47 | 22°53 | 17°17 | 14°17 | 25°14 | 28°54 | 12° 9 | 24°53 | 19°55 | 18°27 | 19° 5 | 14°25 | S 20 |
| M21 | 22 23 30 | 4° 5'03 | 7♉30 | 0♍42 | 24° 2 | 17°55 | 14° 9 | 25°12 | 28°55 | 12°10 | 24°53 | 19°50 | 18°24 | 19°12 | 14°23 | M21 |
| T 22 | 22 27 27 | 5° 3'24 | 19°24 | 2°37 | 25°11 | 18°33 | 14° 1 | 25°10 | 28°56 | 12°11 | 24°53 | 19°47 | 18°21 | 19°19 | 14°21 | T 22 |
| W23 | 22 31 23 | 6° 1'47 | 1♊27 | 4°31 | 26°21 | 19°10 | 13°53 | 25° 7 | 28°57 | 12°13 | 24°53 | 19°D45 | 18°17 | 19°25 | 14°19 | W23 |
| T 24 | 22 35 20 | 7° 0'13 | 13°41 | 6°24 | 27°30 | 19°47 | 13°46 | 25° 5 | 28°59 | 12°14 | 24°53 | 19°45 | 18°14 | 19°32 | 14°17 | T 24 |
| F 25 | 22 39 17 | 7°58'40 | 26°12 | 8°16 | 28°40 | 20°25 | 13°38 | 25° 3 | 29° 0 | 12°15 | 24°53 | 19°46 | 18°11 | 19°39 | 14°15 | F 25 |
| S 26 | 22 43 13 | 8°57'10 | 9♋ 5 | 10° 7 | 29°50 | 21° 2 | 13°30 | 25° 0 | 29° 1 | 12°16 | 24°53 | 19°48 | 18° 8 | 19°46 | 14°13 | S 26 |
| S 27 | 22 47 10 | 9°55'42 | 22°23 | 11°58 | 1♌ 0 | 21°39 | 13°22 | 24°58 | 29° 2 | 12°17 | 24°53 | 19°R48 | 18° 5 | 19°52 | 14°11 | S 27 |
| M28 | 22 51 6 | 10°54'16 | 6♌ 9 | 13°47 | 2°10 | 22°16 | 13°14 | 24°55 | 29° 4 | 12°19 | 24°53 | 19°47 | 18° 2 | 19°59 | 14° 9 | M28 |
| T 29 | 22 55 3 | 11°52'53 | 20°22 | 15°36 | 3°20 | 22°53 | 13° 6 | 24°52 | 29° 5 | 12°20 | 24°52 | 19°43 | 17°58 | 20° 6 | 14° 7 | T 29 |
| W30 | 22 58 59 | 12°51'31 | 4♍59 | 17°23 | 4°31 | 23°30 | 12°58 | 24°49 | 29° 7 | 12°21 | 24°52 | 19°38 | 17°55 | 20°13 | 14° 4 | W30 |
| T 31 | 23 2 56 | 13♍50'11 | 19♍54 | 19♍ 9 | 5♌41 | 24♋ 7 | 12♓50 | 24♈46 | 29♏ 8 | 12♏23 | 24♉52 | 19♋30 | 17♋52 | 20♈19 | 14♈ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n29 | 19n 4 | 1n54 | 20n24 | 0s36 | 21n31 | 2s 1 | 24n 4 | 0n37 | 6s47 | 1s32 | 7n29 | 2s37 | 19s52 | 0n 6 | 13s45 | 1n49 | 7n 6 | 12s19 | 21n56 | 22n 8 | 1n57 | 7n44 | 1n59 |
| W 2 | 16 12 | 15 37 | 3 3 | 20 25 | 0 21 | 21 34 | 1 57 | 24 3 | 0 38 | 6 50 | 1 32 | 7 29 | 2 37 | 19 52 | 0 6 | 13 46 | 1 49 | 7 5 | 12 20 | 21 56 | 22 8 | 1 59 | 7 43 | 1 59 |
| T 3 | 15 55 | 11 11 | 4 1 | 20 25 | 0 7 | 21 36 | 1 54 | 24 2 | 0 38 | 6 52 | 1 32 | 7 28 | 2 38 | 19 52 | 0 6 | 13 46 | 1 48 | 7 5 | 12 20 | 21 57 | 22 9 | 2 2 | 7 43 | 1 59 |
| F 4 | 15 37 | 6 4 | 4 44 | 20 21 | 0n 7 | 21 38 | 1 50 | 24 0 | 0 39 | 6 55 | 1 33 | 7 28 | 2 38 | 19 52 | 0 6 | 13 46 | 1 48 | 7 5 | 12 20 | 21 57 | 22 9 | 2 4 | 7 42 | 1 59 |
| S 5 | 15 19 | 0 37 | 5 8 | 20 15 | 0 20 | 21 39 | 1 46 | 23 59 | 0 40 | 6 57 | 1 33 | 7 28 | 2 38 | 19 52 | 0 6 | 13 46 | 1 48 | 7 5 | 12 20 | 21 58 | 22 10 | 2 7 | 7 42 | 1 59 |
| S 6 | 15 1 | 4s50 | 5 12 | 20 6 | 0 32 | 21 40 | 1 42 | 23 57 | 0 40 | 7 0 | 1 33 | 7 27 | 2 39 | 19 52 | 0 6 | 13 47 | 1 48 | 7 5 | 12 20 | 21 58 | 22 10 | 2 9 | 7 41 | 1 59 |
| M 7 | 14 43 | 9 57 | 4 56 | 19 55 | 0 44 | 21 40 | 1 38 | 23 55 | 0 41 | 7 3 | 1 33 | 7 27 | 2 39 | 19 52 | 0 6 | 13 47 | 1 48 | 7 5 | 12 21 | 21 58 | 22 11 | 2 12 | 7 41 | 1 59 |
| T 8 | 14 24 | 14 26 | 4 23 | 19 40 | 0 54 | 21 39 | 1 34 | 23 53 | 0 42 | 7 5 | 1 33 | 7 26 | 2 39 | 19 52 | 0 6 | 13 47 | 1 48 | 7 4 | 12 21 | 21 58 | 22 11 | 2 14 | 7 40 | 1 59 |
| W 9 | 14 6 | 18 4 | 3 35 | 19 23 | 1 4 | 21 38 | 1 31 | 23 51 | 0 43 | 7 8 | 1 34 | 7 26 | 2 39 | 19 53 | 0 6 | 13 47 | 1 48 | 7 4 | 12 21 | 21 58 | 22 11 | 2 17 | 7 40 | 1 59 |
| T 10 | 13 46 | 20 38 | 2 36 | 19 3 | 1 12 | 21 37 | 1 27 | 23 49 | 0 43 | 7 11 | 1 34 | 7 25 | 2 40 | 19 53 | 0 6 | 13 48 | 1 48 | 7 4 | 12 21 | 21 58 | 22 12 | 2 19 | 7 39 | 1 59 |
| F 11 | 13 27 | 22 0 | 1 29 | 18 40 | 1 20 | 21 35 | 1 23 | 23 46 | 0 44 | 7 14 | 1 34 | 7 25 | 2 40 | 19 53 | 0 6 | 13 48 | 1 48 | 7 4 | 12 22 | 21 58 | 22 12 | 2 22 | 7 39 | 1 59 |
| S 12 | 13 8 | 22 8 | 0 19 | 18 15 | 1 26 | 21 32 | 1 19 | 23 44 | 0 45 | 7 17 | 1 34 | 7 24 | 2 40 | 19 53 | 0 6 | 13 48 | 1 48 | 7 4 | 12 22 | 21 58 | 22 13 | 2 25 | 7 38 | 1 59 |
| S 13 | 12 48 | 21 4 | 0s51 | 17 47 | 1 32 | 21 29 | 1 15 | 23 41 | 0 45 | 7 20 | 1 34 | 7 23 | 2 40 | 19 53 | 0 6 | 13 49 | 1 48 | 7 4 | 12 22 | 21 58 | 22 13 | 2 27 | 7 38 | 1 59 |
| M14 | 12 28 | 18 56 | 1 58 | 17 17 | 1 37 | 21 25 | 1 11 | 23 38 | 0 46 | 7 23 | 1 35 | 7 23 | 2 41 | 19 53 | 0 6 | 13 49 | 1 48 | 7 3 | 12 22 | 21 58 | 22 14 | 2 30 | 7 37 | 1 59 |
| T 15 | 12 8 | 15 56 | 2 57 | 16 45 | 1 41 | 21 20 | 1 7 | 23 34 | 0 47 | 7 26 | 1 35 | 7 22 | 2 41 | 19 53 | 0 6 | 13 49 | 1 48 | 7 3 | 12 23 | 21 59 | 22 14 | 2 32 | 7 36 | 1 59 |
| W16 | 11 48 | 12 16 | 3 47 | 16 11 | 1 44 | 21 15 | 1 3 | 23 31 | 0 48 | 7 29 | 1 35 | 7 21 | 2 41 | 19 54 | 0 6 | 13 50 | 1 48 | 7 3 | 12 23 | 22 0 | 22 15 | 2 35 | 7 36 | 1 59 |
| T 17 | 11 27 | 8 9 | 4 26 | 15 35 | 1 46 | 21 9 | 0 59 | 23 27 | 0 48 | 7 32 | 1 35 | 7 20 | 2 41 | 19 54 | 0 6 | 13 50 | 1 48 | 7 3 | 12 23 | 22 1 | 22 15 | 2 37 | 7 35 | 1 59 |
| F 18 | 11 6 | 3 45 | 4 53 | 14 57 | 1 47 | 21 3 | 0 55 | 23 24 | 0 49 | 7 35 | 1 35 | 7 19 | 2 42 | 19 54 | 0 6 | 13 50 | 1 48 | 7 3 | 12 23 | 22 2 | 22 15 | 2 40 | 7 34 | 1 59 |
| S 19 | 10 46 | 0n45 | 5 7 | 14 18 | 1 48 | 20 56 | 0 51 | 23 20 | 0 50 | 7 38 | 1 35 | 7 18 | 2 42 | 19 54 | 0 6 | 13 51 | 1 48 | 7 2 | 12 23 | 22 3 | 22 16 | 2 42 | 7 33 | 1 59 |
| S 20 | 10 25 | 5 11 | 5 7 | 13 38 | 1 48 | 20 49 | 0 47 | 23 16 | 0 51 | 7 41 | 1 35 | 7 18 | 2 42 | 19 54 | 0 6 | 13 51 | 1 47 | 7 2 | 12 24 | 22 4 | 22 16 | 2 45 | 7 33 | 1 59 |
| M21 | 10 3 | 9 26 | 4 54 | 12 56 | 1 47 | 20 41 | 0 44 | 23 11 | 0 51 | 7 44 | 1 35 | 7 17 | 2 42 | 19 55 | 0 6 | 13 51 | 1 47 | 7 2 | 12 24 | 22 5 | 22 17 | 2 47 | 7 32 | 1 59 |
| T 22 | 9 42 | 13 21 | 4 29 | 12 14 | 1 46 | 20 33 | 0 40 | 23 7 | 0 52 | 7 47 | 1 36 | 7 16 | 2 42 | 19 55 | 0 6 | 13 52 | 1 47 | 7 2 | 12 24 | 22 5 | 22 17 | 2 50 | 7 31 | 1 59 |
| W23 | 9 20 | 16 47 | 3 51 | 11 30 | 1 44 | 20 24 | 0 36 | 23 3 | 0 53 | 7 50 | 1 36 | 7 15 | 2 43 | 19 55 | 0 6 | 13 52 | 1 47 | 7 1 | 12 24 | 22 5 | 22 18 | 2 52 | 7 30 | 1 59 |
| T 24 | 8 59 | 19 32 | 3 2 | 10 46 | 1 41 | 20 14 | 0 32 | 22 58 | 0 53 | 7 53 | 1 36 | 7 13 | 2 43 | 19 55 | 0 6 | 13 53 | 1 47 | 7 1 | 12 25 | 22 5 | 22 18 | 2 55 | 7 30 | 1 59 |
| F 25 | 8 37 | 21 26 | 2 4 | 10 1 | 1 38 | 20 4 | 0 28 | 22 53 | 0 54 | 7 56 | 1 36 | 7 12 | 2 43 | 19 56 | 0 6 | 13 53 | 1 47 | 7 1 | 12 25 | 22 5 | 22 18 | 2 58 | 7 29 | 1 59 |
| S 26 | 8 15 | 22 17 | 0 57 | 9 16 | 1 35 | 19 53 | 0 25 | 22 48 | 0 55 | 8 0 | 1 36 | 7 11 | 2 43 | 19 56 | 0 6 | 13 53 | 1 47 | 7 1 | 12 25 | 22 5 | 22 19 | 3 0 | 7 28 | 1 59 |
| S 27 | 7 53 | 21 55 | 0n14 | 8 30 | 1 31 | 19 41 | 0 21 | 22 43 | 0 56 | 8 3 | 1 36 | 7 10 | 2 44 | 19 56 | 0 6 | 13 54 | 1 47 | 7 0 | 12 25 | 22 5 | 22 19 | 3 3 | 7 27 | 1 59 |
| M28 | 7 31 | 20 13 | 1 27 | 7 44 | 1 27 | 19 29 | 0 17 | 22 38 | 0 56 | 8 6 | 1 36 | 7 9 | 2 44 | 19 57 | 0 6 | 13 54 | 1 47 | 7 0 | 12 25 | 22 5 | 22 20 | 3 5 | 7 26 | 1 59 |
| T 29 | 7 8 | 17 14 | 2 36 | 6 58 | 1 22 | 19 17 | 0 13 | 22 32 | 0 57 | 8 9 | 1 36 | 7 8 | 2 44 | 19 57 | 0 6 | 13 55 | 1 47 | 7 0 | 12 26 | 22 6 | 22 20 | 3 8 | 7 25 | 1 59 |
| W30 | 6 46 | 13 6 | 3 38 | 6 12 | 1 17 | 19 4 | 0 10 | 22 27 | 0 58 | 8 12 | 1 36 | 7 7 | 2 44 | 19 57 | 0 6 | 13 55 | 1 47 | 7 0 | 12 26 | 22 6 | 22 21 | 3 10 | 7 24 | 1 59 |
| T 31 | 6n23 | 8n 5 | 4n26 | 5n25 | 1n12 | 18n50 | 0s 6 | 22n21 | 0n59 | 8s15 | 1s36 | 7n 5 | 2s44 | 19s58 | 0n 6 | 13s56 | 1n47 | 6n59 | 12s26 | 22n 7 | 22n21 | 3n13 | 7n24 | 1n59 |

Julian Day Number = 2139116.5, Delta T = 15m32s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'50, Lahiri = 11°55'51 Julian Calendar 1 Aug. 1144 == Greg. Calendar 8 Aug. 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## SEPTEMBER 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 6 52 | 14♍48'54 | 4♎58 | 20♍55 | 6♌52 | 24♋44 | 12°R42 | 24°R43 | 29♏10 | 12♏24 | 24°R52 | 19°R22 | 17♋49 | 20♈26 | 14°R 0 | F 1 |
| S 2 | 23 10 49 | 15°47'38 | 20° 2 | 22°39 | 8° 2 | 25°21 | 12♓34 | 24♈40 | 29°11 | 12°25 | 24♉51 | 19♋14 | 17°46 | 20°33 | 13♈57 | S 2 |
| S 3 | 23 14 46 | 16°46'24 | 4♏55 | 24°22 | 9°13 | 25°58 | 12°26 | 24°37 | 29°13 | 12°27 | 24°51 | 19° 6 | 17°42 | 20°39 | 13°55 | S 3 |
| M 4 | 23 18 42 | 17°45'11 | 19°31 | 26° 5 | 10°24 | 26°34 | 12°18 | 24°34 | 29°15 | 12°28 | 24°51 | 19° 1 | 17°39 | 20°46 | 13°52 | M 4 |
| T 5 | 23 22 39 | 18°44'01 | 3♐45 | 27°46 | 11°35 | 27°11 | 12°10 | 24°30 | 29°16 | 12°30 | 24°50 | 18°58 | 17°36 | 20°53 | 13°50 | T 5 |
| W 6 | 23 26 35 | 19°42'52 | 17°36 | 29°26 | 12°46 | 27°47 | 12° 2 | 24°27 | 29°18 | 12°31 | 24°50 | 18°D57 | 17°33 | 21° 0 | 13°47 | W 6 |
| T 7 | 23 30 32 | 20°41'45 | 1♑ 4 | 1♎ 6 | 13°57 | 28°24 | 11°54 | 24°23 | 29°20 | 12°33 | 24°49 | 18°57 | 17°30 | 21° 6 | 13°45 | T 7 |
| F 8 | 23 34 28 | 21°40'40 | 14°12 | 2°44 | 15° 9 | 29° 0 | 11°46 | 24°20 | 29°22 | 12°34 | 24°49 | 18°R58 | 17°27 | 21°13 | 13°42 | F 8 |
| S 9 | 23 38 25 | 22°39'37 | 27° 3 | 4°22 | 16°20 | 29°36 | 11°39 | 24°16 | 29°24 | 12°36 | 24°49 | 18°58 | 17°23 | 21°20 | 13°40 | S 9 |
| S 10 | 23 42 21 | 23°38'35 | 9♒39 | 5°59 | 17°32 | 0♌13 | 11°31 | 24°12 | 29°26 | 12°38 | 24°48 | 18°56 | 17°20 | 21°26 | 13°37 | S 10 |
| M11 | 23 46 18 | 24°37'36 | 22° 4 | 7°34 | 18°43 | 0°49 | 11°23 | 24° 8 | 29°28 | 12°39 | 24°48 | 18°51 | 17°17 | 21°33 | 13°35 | M11 |
| T 12 | 23 50 15 | 25°36'38 | 4♓19 | 9°10 | 19°55 | 1°25 | 11°16 | 24° 5 | 29°30 | 12°41 | 24°47 | 18°44 | 17°14 | 21°40 | 13°32 | T 12 |
| W13 | 23 54 11 | 26°35'42 | 16°27 | 10°44 | 21° 7 | 2° 1 | 11° 8 | 24° 1 | 29°32 | 12°43 | 24°47 | 18°34 | 17°11 | 21°47 | 13°29 | W13 |
| T 14 | 23 58 8 | 27°34'48 | 28°29 | 12°17 | 22°19 | 2°37 | 11° 1 | 23°57 | 29°34 | 12°44 | 24°46 | 18°22 | 17° 8 | 21°53 | 13°27 | T 14 |
| F 15 | 0 2 4 | 28°33'56 | 10♈27 | 13°50 | 23°31 | 3°12 | 10°54 | 23°53 | 29°36 | 12°46 | 24°46 | 18° 9 | 17° 4 | 22° 0 | 13°24 | F 15 |
| S 16 | 0 6 1 | 29°33'06 | 22°20 | 15°21 | 24°43 | 3°48 | 10°47 | 23°48 | 29°38 | 12°48 | 24°45 | 17°55 | 17° 1 | 22° 7 | 13°21 | S 16 |
| S 17 | 0 9 57 | 0♎32'19 | 4♉12 | 16°52 | 25°55 | 4°24 | 10°39 | 23°44 | 29°41 | 12°49 | 24°44 | 17°43 | 16°58 | 22°14 | 13°19 | S 17 |
| M18 | 0 13 54 | 1°31'34 | 16° 3 | 18°22 | 27° 7 | 4°59 | 10°32 | 23°40 | 29°43 | 12°51 | 24°44 | 17°33 | 16°55 | 22°20 | 13°16 | M18 |
| T 19 | 0 17 50 | 2°30'51 | 27°58 | 19°52 | 28°20 | 5°35 | 10°26 | 23°36 | 29°45 | 12°53 | 24°43 | 17°26 | 16°52 | 22°27 | 13°13 | T 19 |
| W20 | 0 21 47 | 3°30'10 | 9♊59 | 21°20 | 29°32 | 6°10 | 10°19 | 23°31 | 29°48 | 12°55 | 24°43 | 17°21 | 16°48 | 22°34 | 13°10 | W20 |
| T 21 | 0 25 43 | 4°29'32 | 22°10 | 22°48 | 0♍45 | 6°46 | 10°12 | 23°27 | 29°50 | 12°57 | 24°42 | 17°19 | 16°45 | 22°40 | 13° 8 | T 21 |
| F 22 | 0 29 40 | 5°28'56 | 4♋37 | 24°15 | 1°57 | 7°21 | 10° 6 | 23°22 | 29°53 | 12°59 | 24°41 | 17°D18 | 16°42 | 22°47 | 13° 5 | F 22 |
| S 23 | 0 33 37 | 6°28'23 | 17°24 | 25°41 | 3°10 | 7°56 | 9°59 | 23°18 | 29°55 | 13° 1 | 24°41 | 17°R18 | 16°39 | 22°54 | 13° 2 | S 23 |
| S 24 | 0 37 33 | 7°27'51 | 0♌36 | 27° 6 | 4°23 | 8°31 | 9°53 | 23°13 | 29°58 | 13° 2 | 24°40 | 17°18 | 16°36 | 23° 1 | 12°59 | S 24 |
| M25 | 0 41 30 | 8°27'23 | 14°16 | 28°30 | 5°36 | 9° 7 | 9°47 | 23° 9 | 0♐ 0 | 13° 4 | 24°39 | 17°15 | 16°33 | 23° 7 | 12°56 | M25 |
| T 26 | 0 45 26 | 9°26'56 | 28°27 | 29°53 | 6°49 | 9°42 | 9°41 | 23° 4 | 0° 3 | 13° 6 | 24°38 | 17°11 | 16°29 | 23°14 | 12°54 | T 26 |
| W27 | 0 49 23 | 10°26'32 | 13♍ 6 | 1♏16 | 8° 2 | 10°16 | 9°35 | 23° 0 | 0° 5 | 13° 8 | 24°38 | 17° 3 | 16°26 | 23°21 | 12°51 | W27 |
| T 28 | 0 53 19 | 11°26'10 | 28° 8 | 2°37 | 9°15 | 10°51 | 9°29 | 22°55 | 0° 8 | 13°10 | 24°37 | 16°54 | 16°23 | 23°27 | 12°48 | T 28 |
| F 29 | 0 57 16 | 12°25'50 | 13♎25 | 3°58 | 10°28 | 11°26 | 9°24 | 22°50 | 0°11 | 13°12 | 24°36 | 16°42 | 16°20 | 23°34 | 12°45 | F 29 |
| S 30 | 1 1 12 | 13♎25'32 | 28♎44 | 5♏17 | 11♍42 | 12♌ 0 | 9♓18 | 22♈45 | 0♐14 | 13♏14 | 24♉35 | 16♋31 | 16♋17 | 23♈41 | 12♈42 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n 0 | 2n32 | 4n55 | 4n39 | 1n 7 | 18n36 | 0s 3 | 22n15 | 0n59 | 8s18 | 1s36 | 7n 4 | 2s45 | 19s58 | 0n 6 | 13s56 | 1n47 | 6n59 | 12s26 | 22n 9 | 22n21 | 3n15 | 7n23 | 1n59 |
| S 2 | 5 38 | 3s10 | 5 5 | 3 52 | 1 1 | 18 21 | 0n 1 | 22 9 | 1 0 | 8 22 | 1 36 | 7 3 | 2 45 | 19 58 | 0 6 | 13 57 | 1 47 | 6 59 | 12 27 | 22 10 | 22 22 | 3 18 | 7 22 | 1 59 |
| S 3 | 5 15 | 8 37 | 4 54 | 3 6 | 0 55 | 18 6 | 0 5 | 22 3 | 1 1 | 8 25 | 1 36 | 7 1 | 2 45 | 19 59 | 0 6 | 13 57 | 1 47 | 6 59 | 12 27 | 22 11 | 22 22 | 3 20 | 7 21 | 1 59 |
| M 4 | 4 52 | 13 28 | 4 23 | 2 19 | 0 49 | 17 51 | 0 8 | 21 57 | 1 2 | 8 28 | 1 36 | 7 0 | 2 45 | 19 59 | 0 6 | 13 58 | 1 47 | 6 58 | 12 27 | 22 12 | 22 23 | 3 23 | 7 20 | 1 59 |
| T 5 | 4 29 | 17 27 | 3 37 | 1 33 | 0 43 | 17 34 | 0 11 | 21 50 | 1 2 | 8 31 | 1 36 | 6 59 | 2 45 | 19 59 | 0 6 | 13 58 | 1 47 | 6 58 | 12 27 | 22 12 | 22 23 | 3 26 | 7 19 | 1 59 |
| W 6 | 4 5 | 20 20 | 2 39 | 0 47 | 0 36 | 17 18 | 0 15 | 21 44 | 1 3 | 8 34 | 1 36 | 6 57 | 2 46 | 20 0 | 0 6 | 13 59 | 1 47 | 6 58 | 12 27 | 22 12 | 22 24 | 3 28 | 7 18 | 1 59 |
| T 7 | 3 42 | 21 59 | 1 34 | 0 1 | 0 30 | 17 0 | 0 18 | 21 37 | 1 4 | 8 37 | 1 36 | 6 56 | 2 46 | 20 0 | 0 6 | 13 59 | 1 46 | 6 57 | 12 28 | 22 12 | 22 24 | 3 31 | 7 17 | 1 59 |
| F 8 | 3 19 | 22 22 | 0 25 | 0s44 | 0 23 | 16 42 | 0 21 | 21 30 | 1 5 | 8 40 | 1 36 | 6 54 | 2 46 | 20 1 | 0 6 | 14 0 | 1 46 | 6 57 | 12 28 | 22 12 | 22 24 | 3 33 | 7 16 | 1 59 |
| S 9 | 2 56 | 21 33 | 0s43 | 1 30 | 0 16 | 16 24 | 0 25 | 21 23 | 1 5 | 8 43 | 1 36 | 6 53 | 2 46 | 20 1 | 0 6 | 14 0 | 1 46 | 6 57 | 12 28 | 22 12 | 22 25 | 3 36 | 7 15 | 1 59 |
| S 10 | 2 32 | 19 39 | 1 48 | 2 14 | 0 9 | 16 6 | 0 28 | 21 16 | 1 6 | 8 46 | 1 36 | 6 51 | 2 46 | 20 2 | 0 6 | 14 1 | 1 46 | 6 57 | 12 28 | 22 12 | 22 25 | 3 38 | 7 14 | 1 59 |
| M11 | 2 9 | 16 50 | 2 46 | 2 59 | 0 2 | 15 46 | 0 31 | 21 9 | 1 7 | 8 48 | 1 36 | 6 50 | 2 46 | 20 2 | 0 6 | 14 1 | 1 46 | 6 56 | 12 28 | 22 13 | 22 26 | 3 41 | 7 13 | 1 59 |
| T 12 | 1 45 | 13 19 | 3 36 | 3 43 | 0s 5 | 15 27 | 0 34 | 21 2 | 1 8 | 8 51 | 1 36 | 6 48 | 2 47 | 20 2 | 0 6 | 14 2 | 1 46 | 6 56 | 12 29 | 22 14 | 22 26 | 3 43 | 7 12 | 1 59 |
| W13 | 1 22 | 9 17 | 4 16 | 4 27 | 0 12 | 15 7 | 0 37 | 20 55 | 1 8 | 8 54 | 1 36 | 6 46 | 2 47 | 20 3 | 0 6 | 14 2 | 1 46 | 6 56 | 12 29 | 22 15 | 22 26 | 3 46 | 7 11 | 1 59 |
| T 14 | 0 58 | 4 56 | 4 43 | 5 10 | 0 19 | 14 46 | 0 40 | 20 47 | 1 9 | 8 57 | 1 36 | 6 45 | 2 47 | 20 3 | 0 6 | 14 3 | 1 46 | 6 55 | 12 29 | 22 17 | 22 27 | 3 49 | 7 9 | 1 59 |
| F 15 | 0 34 | 0 25 | 4 58 | 5 53 | 0 26 | 14 25 | 0 43 | 20 40 | 1 10 | 9 0 | 1 36 | 6 43 | 2 47 | 20 4 | 0 6 | 14 3 | 1 46 | 6 55 | 12 29 | 22 19 | 22 27 | 3 51 | 7 8 | 1 59 |
| S 16 | 0 11 | 4n 6 | 5 0 | 6 35 | 0 33 | 14 4 | 0 46 | 20 32 | 1 11 | 9 2 | 1 36 | 6 42 | 2 47 | 20 4 | 0 6 | 14 4 | 1 46 | 6 55 | 12 29 | 22 21 | 22 28 | 3 54 | 7 7 | 1 59 |
| S 17 | 0s13 | 8 27 | 4 49 | 7 17 | 0 40 | 13 42 | 0 48 | 20 24 | 1 11 | 9 5 | 1 36 | 6 40 | 2 47 | 20 5 | 0 6 | 14 4 | 1 46 | 6 54 | 12 29 | 22 22 | 22 28 | 3 56 | 7 6 | 1 59 |
| M18 | 0 37 | 12 29 | 4 25 | 7 58 | 0 47 | 13 20 | 0 51 | 20 16 | 1 12 | 9 7 | 1 36 | 6 38 | 2 47 | 20 5 | 0 6 | 14 5 | 1 46 | 6 54 | 12 30 | 22 24 | 22 28 | 3 59 | 7 5 | 1 59 |
| T 19 | 1 0 | 16 4 | 3 50 | 8 39 | 0 55 | 12 57 | 0 54 | 20 8 | 1 13 | 9 10 | 1 36 | 6 37 | 2 47 | 20 6 | 0 6 | 14 6 | 1 46 | 6 54 | 12 30 | 22 24 | 22 29 | 4 1 | 7 4 | 1 59 |
| W20 | 1 24 | 19 1 | 3 4 | 9 19 | 1 2 | 12 34 | 0 56 | 20 0 | 1 14 | 9 12 | 1 36 | 6 35 | 2 47 | 20 6 | 0 6 | 14 6 | 1 46 | 6 53 | 12 30 | 22 25 | 22 29 | 4 4 | 7 3 | 1 59 |
| T 21 | 1 48 | 21 10 | 2 9 | 9 58 | 1 9 | 12 11 | 0 59 | 19 52 | 1 15 | 9 15 | 1 35 | 6 33 | 2 48 | 20 7 | 0 6 | 14 7 | 1 46 | 6 53 | 12 30 | 22 25 | 22 30 | 4 6 | 7 2 | 1 59 |
| F 22 | 2 11 | 22 21 | 1 7 | 10 37 | 1 16 | 11 47 | 1 1 | 19 44 | 1 15 | 9 17 | 1 35 | 6 31 | 2 48 | 20 7 | 0 6 | 14 7 | 1 46 | 6 53 | 12 30 | 22 25 | 22 30 | 4 9 | 7 1 | 1 59 |
| S 23 | 2 35 | 22 25 | 0n 1 | 11 15 | 1 22 | 11 23 | 1 4 | 19 36 | 1 16 | 9 20 | 1 35 | 6 30 | 2 48 | 20 8 | 0 6 | 14 8 | 1 46 | 6 52 | 12 31 | 22 25 | 22 30 | 4 12 | 6 59 | 1 59 |
| S 24 | 2 59 | 21 15 | 1 10 | 11 52 | 1 29 | 10 58 | 1 6 | 19 27 | 1 17 | 9 22 | 1 35 | 6 28 | 2 48 | 20 9 | 0 6 | 14 9 | 1 46 | 6 52 | 12 31 | 22 26 | 22 31 | 4 14 | 6 58 | 1 59 |
| M25 | 3 22 | 18 49 | 2 17 | 12 29 | 1 36 | 10 33 | 1 8 | 19 19 | 1 18 | 9 24 | 1 35 | 6 26 | 2 48 | 20 9 | 0 6 | 14 9 | 1 46 | 6 52 | 12 31 | 22 26 | 22 31 | 4 17 | 6 57 | 1 59 |
| T 26 | 3 46 | 15 10 | 3 19 | 13 5 | 1 42 | 10 8 | 1 10 | 19 10 | 1 19 | 9 26 | 1 35 | 6 24 | 2 48 | 20 10 | 0 6 | 14 10 | 1 46 | 6 51 | 12 31 | 22 26 | 22 32 | 4 19 | 6 56 | 1 58 |
| W27 | 4 9 | 10 30 | 4 10 | 13 40 | 1 49 | 9 43 | 1 12 | 19 1 | 1 19 | 9 28 | 1 35 | 6 23 | 2 48 | 20 10 | 0 6 | 14 10 | 1 46 | 6 51 | 12 31 | 22 27 | 22 32 | 4 22 | 6 55 | 1 58 |
| T 28 | 4 33 | 5 5 | 4 44 | 14 14 | 1 55 | 9 17 | 1 14 | 18 52 | 1 20 | 9 30 | 1 35 | 6 21 | 2 48 | 20 11 | 0 6 | 14 11 | 1 46 | 6 51 | 12 31 | 22 29 | 22 32 | 4 24 | 6 54 | 1 58 |
| F 29 | 4 56 | 0s43 | 5 0 | 14 48 | 2 1 | 8 51 | 1 16 | 18 44 | 1 21 | 9 32 | 1 34 | 6 19 | 2 48 | 20 11 | 0 6 | 14 12 | 1 46 | 6 51 | 12 31 | 22 30 | 22 33 | 4 27 | 6 52 | 1 58 |
| S 30 | 5s19 | 6s30 | 4n53 | 15s20 | 2s 7 | 8n25 | 1n18 | 18n35 | 1n22 | 9s34 | 1s34 | 6n17 | 2s48 | 20s12 | 0n 6 | 14s12 | 1n46 | 6n50 | 12s32 | 22n31 | 22n33 | 4n29 | 6n51 | 1n58 |

Julian Day Number = 2139147.5, Delta T = 15m32s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'55, Lahiri = 11°55'55 Julian Calendar 1 Sept. 1144 == Greg. Calendar 8 Sept. 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## OCTOBER 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 5 9 | 14♎25'16 | 13♏56 | 6♏35 | 12♍55 | 12♌35 | 9°R13 | 22°R41 | 0♐16 | 13♏16 | 24°R34 | 16°R21 | 16♋13 | 23♈48 | 12°R40 | S 1 |
| M 2 | 1 9 6 | 15°25'02 | 28°49 | 7°52 | 14° 8 | 13° 9 | 9♓ 8 | 22♈36 | 0°19 | 13°18 | 24♉34 | 16♋13 | 16°10 | 23°54 | 12♈37 | M 2 |
| T 3 | 1 13 2 | 16°24'49 | 13♐17 | 9° 8 | 15°22 | 13°44 | 9° 3 | 22°31 | 0°22 | 13°20 | 24°33 | 16° 8 | 16° 7 | 24° 1 | 12°34 | T 3 |
| W 4 | 1 16 59 | 17°24'39 | 27°17 | 10°22 | 16°35 | 14°18 | 8°59 | 22°26 | 0°25 | 13°22 | 24°32 | 16° 5 | 16° 4 | 24° 8 | 12°31 | W 4 |
| T 5 | 1 20 55 | 18°24'30 | 10♑49 | 11°34 | 17°49 | 14°52 | 8°54 | 22°22 | 0°28 | 13°24 | 24°31 | 16° 5 | 16° 1 | 24°15 | 12°28 | T 5 |
| F 6 | 1 24 52 | 19°24'23 | 23°55 | 12°45 | 19° 2 | 15°26 | 8°50 | 22°17 | 0°31 | 13°27 | 24°30 | 16° 5 | 15°58 | 24°21 | 12°26 | F 6 |
| S 7 | 1 28 48 | 20°24'18 | 6♒41 | 13°53 | 20°16 | 16° 0 | 8°46 | 22°12 | 0°34 | 13°29 | 24°29 | 16° 4 | 15°54 | 24°28 | 12°23 | S 7 |
| S 8 | 1 32 45 | 21°24'14 | 19° 9 | 15° 0 | 21°30 | 16°34 | 8°42 | 22° 7 | 0°37 | 13°31 | 24°28 | 16° 1 | 15°51 | 24°35 | 12°20 | S 8 |
| M 9 | 1 36 41 | 22°24'12 | 1♓24 | 16° 4 | 22°44 | 17° 7 | 8°38 | 22° 2 | 0°40 | 13°33 | 24°27 | 15°56 | 15°48 | 24°41 | 12°17 | M 9 |
| T 10 | 1 40 38 | 23°24'12 | 13°30 | 17° 6 | 23°58 | 17°41 | 8°34 | 21°57 | 0°43 | 13°35 | 24°26 | 15°48 | 15°45 | 24°48 | 12°14 | T 10 |
| W11 | 1 44 35 | 24°24'13 | 25°29 | 18° 5 | 25°12 | 18°14 | 8°31 | 21°53 | 0°46 | 13°37 | 24°25 | 15°38 | 15°42 | 24°55 | 12°12 | W11 |
| T 12 | 1 48 31 | 25°24'16 | 7♈25 | 19° 0 | 26°25 | 18°48 | 8°28 | 21°48 | 0°49 | 13°39 | 24°24 | 15°24 | 15°39 | 25° 2 | 12° 9 | T 12 |
| F 13 | 1 52 28 | 26°24'21 | 19°18 | 19°52 | 27°40 | 19°21 | 8°25 | 21°43 | 0°53 | 13°41 | 24°23 | 15°10 | 15°35 | 25° 8 | 12° 6 | F 13 |
| S 14 | 1 56 24 | 27°24'28 | 1♉11 | 20°40 | 28°54 | 19°54 | 8°22 | 21°38 | 0°56 | 13°44 | 24°22 | 14°56 | 15°32 | 25°15 | 12° 4 | S 14 |
| S 15 | 2 0 21 | 28°24'36 | 13° 4 | 21°23 | 0♎ 8 | 20°27 | 8°19 | 21°33 | 0°59 | 13°46 | 24°21 | 14°42 | 15°29 | 25°22 | 12° 1 | S 15 |
| M16 | 2 4 17 | 29°24'47 | 24°59 | 22° 2 | 1°22 | 21° 0 | 8°17 | 21°29 | 1° 2 | 13°48 | 24°20 | 14°31 | 15°26 | 25°28 | 11°58 | M16 |
| T 17 | 2 8 14 | 0♏24'59 | 6♊57 | 22°35 | 2°36 | 21°33 | 8°15 | 21°24 | 1° 5 | 13°50 | 24°19 | 14°23 | 15°23 | 25°35 | 11°56 | T 17 |
| W18 | 2 12 10 | 1°25'14 | 19° 2 | 23° 2 | 3°50 | 22° 6 | 8°12 | 21°19 | 1° 9 | 13°52 | 24°18 | 14°17 | 15°19 | 25°42 | 11°53 | W18 |
| T 19 | 2 16 7 | 2°25'31 | 1♋16 | 23°22 | 5° 5 | 22°39 | 8°11 | 21°14 | 1°12 | 13°55 | 24°17 | 14°14 | 15°16 | 25°49 | 11°50 | T 19 |
| F 20 | 2 20 4 | 3°25'49 | 13°43 | 23°34 | 6°19 | 23°11 | 8° 9 | 21°10 | 1°15 | 13°57 | 24°16 | 14°D14 | 15°13 | 25°55 | 11°48 | F 20 |
| S 21 | 2 24 0 | 4°26'10 | 26°28 | 23°R38 | 7°34 | 23°43 | 8° 8 | 21° 5 | 1°19 | 13°59 | 24°15 | 14°14 | 15°10 | 26° 2 | 11°45 | S 21 |
| S 22 | 2 27 57 | 5°26'33 | 9♌34 | 23°34 | 8°48 | 24°16 | 8° 6 | 21° 0 | 1°22 | 14° 1 | 24°14 | 14°R14 | 15° 7 | 26° 9 | 11°43 | S 22 |
| M23 | 2 31 53 | 6°26'57 | 23° 5 | 23°20 | 10° 3 | 24°48 | 8° 5 | 20°56 | 1°26 | 14° 4 | 24°13 | 14°13 | 15° 4 | 26°16 | 11°40 | M23 |
| T 24 | 2 35 50 | 7°27'24 | 7♍ 4 | 22°56 | 11°17 | 25°20 | 8° 5 | 20°51 | 1°29 | 14° 6 | 24°12 | 14° 9 | 15° 0 | 26°22 | 11°38 | T 24 |
| W25 | 2 39 46 | 8°27'52 | 21°31 | 22°22 | 12°32 | 25°52 | 8° 4 | 20°47 | 1°32 | 14° 8 | 24°11 | 14° 4 | 14°57 | 26°29 | 11°35 | W25 |
| T 26 | 2 43 43 | 9°28'22 | 6♎22 | 21°38 | 13°46 | 26°23 | 8° 4 | 20°42 | 1°36 | 14°10 | 24°10 | 13°55 | 14°54 | 26°36 | 11°33 | T 26 |
| F 27 | 2 47 39 | 10°28'55 | 21°32 | 20°44 | 15° 1 | 26°55 | 8°D 3 | 20°38 | 1°39 | 14°13 | 24° 9 | 13°46 | 14°51 | 26°42 | 11°30 | F 27 |
| S 28 | 2 51 36 | 11°29'28 | 6♏50 | 19°41 | 16°16 | 27°26 | 8° 3 | 20°34 | 1°43 | 14°15 | 24° 8 | 13°36 | 14°48 | 26°49 | 11°28 | S 28 |
| S 29 | 2 55 32 | 12°30'04 | 22° 5 | 18°30 | 17°31 | 27°58 | 8° 4 | 20°29 | 1°46 | 14°17 | 24° 7 | 13°27 | 14°45 | 26°56 | 11°26 | S 29 |
| M30 | 2 59 29 | 13°30'41 | 7♐ 6 | 17°13 | 18°45 | 28°29 | 8° 4 | 20°25 | 1°50 | 14°19 | 24° 5 | 13°20 | 14°41 | 27° 3 | 11°23 | M30 |
| T 31 | 3 3 26 | 14♏31'19 | 21♐45 | 15♏53 | 20♎ 0 | 29♌ 0 | 8♓ 5 | 20♈21 | 1♐53 | 14♏22 | 24♉ 4 | 13♋16 | 14♋38 | 27♈ 9 | 11♈21 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s43 | 11s51 | 4n26 | 15s52 | 2s13 | 7n58 | 1n20 | 18n26 | 1n23 | 9s36 | 1s34 | 6n16 | 2s48 | 20s13 | 0n 6 | 14s13 | 1n46 | 6n50 | 12s32 | 22n33 | 22n34 | 4n32 | 6n50 | 1n58 |
| M 2 | 6 6 | 16 23 | 3 42 | 16 22 | 2 18 | 7 32 | 1 22 | 18 17 | 1 23 | 9 38 | 1 34 | 6 14 | 2 48 | 20 13 | 0 6 | 14 14 | 1 46 | 6 50 | 12 32 | 22 34 | 22 34 | 4 35 | 6 49 | 1 58 |
| T 3 | 6 29 | 19 47 | 2 44 | 16 52 | 2 23 | 7 5 | 1 23 | 18 7 | 1 24 | 9 39 | 1 34 | 6 12 | 2 48 | 20 14 | 0 6 | 14 14 | 1 45 | 6 49 | 12 32 | 22 34 | 22 34 | 4 37 | 6 48 | 1 58 |
| W 4 | 6 52 | 21 54 | 1 38 | 17 20 | 2 28 | 6 37 | 1 25 | 17 58 | 1 25 | 9 41 | 1 34 | 6 10 | 2 48 | 20 15 | 0 6 | 14 15 | 1 45 | 6 49 | 12 32 | 22 35 | 22 35 | 4 40 | 6 47 | 1 58 |
| T 5 | 7 15 | 22 39 | 0 28 | 17 48 | 2 33 | 6 10 | 1 26 | 17 49 | 1 26 | 9 43 | 1 33 | 6 8 | 2 48 | 20 15 | 0 6 | 14 16 | 1 45 | 6 49 | 12 32 | 22 35 | 22 35 | 4 42 | 6 45 | 1 58 |
| F 6 | 7 38 | 22 6 | 0s41 | 18 14 | 2 37 | 5 42 | 1 28 | 17 40 | 1 27 | 9 44 | 1 33 | 6 7 | 2 48 | 20 16 | 0 6 | 14 16 | 1 45 | 6 48 | 12 32 | 22 35 | 22 35 | 4 45 | 6 44 | 1 58 |
| S 7 | 8 0 | 20 24 | 1 47 | 18 38 | 2 41 | 5 14 | 1 29 | 17 30 | 1 28 | 9 45 | 1 33 | 6 5 | 2 48 | 20 16 | 0 6 | 14 17 | 1 45 | 6 48 | 12 33 | 22 35 | 22 36 | 4 47 | 6 43 | 1 58 |
| S 8 | 8 23 | 17 46 | 2 45 | 19 2 | 2 45 | 4 46 | 1 30 | 17 21 | 1 28 | 9 47 | 1 33 | 6 3 | 2 48 | 20 17 | 0 5 | 14 18 | 1 45 | 6 48 | 12 33 | 22 35 | 22 36 | 4 50 | 6 42 | 1 58 |
| M 9 | 8 46 | 14 22 | 3 35 | 19 24 | 2 48 | 4 18 | 1 32 | 17 11 | 1 29 | 9 48 | 1 33 | 6 1 | 2 48 | 20 18 | 0 5 | 14 18 | 1 45 | 6 47 | 12 33 | 22 36 | 22 37 | 4 53 | 6 41 | 1 57 |
| T 10 | 9 8 | 10 25 | 4 14 | 19 44 | 2 50 | 3 50 | 1 33 | 17 2 | 1 30 | 9 49 | 1 32 | 5 59 | 2 48 | 20 18 | 0 5 | 14 19 | 1 45 | 6 47 | 12 33 | 22 37 | 22 37 | 4 55 | 6 40 | 1 57 |
| W11 | 9 30 | 6 6 | 4 42 | 20 3 | 2 52 | 3 21 | 1 34 | 16 52 | 1 31 | 9 50 | 1 32 | 5 58 | 2 48 | 20 19 | 0 5 | 14 20 | 1 45 | 6 47 | 12 33 | 22 38 | 22 37 | 4 58 | 6 38 | 1 57 |
| T 12 | 9 52 | 1 35 | 4 57 | 20 20 | 2 53 | 2 52 | 1 35 | 16 43 | 1 32 | 9 51 | 1 32 | 5 56 | 2 48 | 20 20 | 0 5 | 14 20 | 1 45 | 6 46 | 12 33 | 22 39 | 22 38 | 5 0 | 6 37 | 1 57 |
| F 13 | 10 14 | 2n59 | 4 59 | 20 35 | 2 54 | 2 24 | 1 36 | 16 33 | 1 33 | 9 52 | 1 32 | 5 54 | 2 48 | 20 20 | 0 5 | 14 21 | 1 45 | 6 46 | 12 33 | 22 41 | 22 38 | 5 3 | 6 36 | 1 57 |
| S 14 | 10 36 | 7 26 | 4 48 | 20 48 | 2 54 | 1 55 | 1 36 | 16 23 | 1 33 | 9 53 | 1 31 | 5 52 | 2 48 | 20 21 | 0 5 | 14 21 | 1 45 | 6 46 | 12 33 | 22 43 | 22 38 | 5 5 | 6 35 | 1 57 |
| S 15 | 10 58 | 11 38 | 4 25 | 20 59 | 2 53 | 1 26 | 1 37 | 16 14 | 1 34 | 9 54 | 1 31 | 5 51 | 2 48 | 20 22 | 0 5 | 14 22 | 1 45 | 6 45 | 12 33 | 22 44 | 22 39 | 5 8 | 6 34 | 1 57 |
| M16 | 11 19 | 15 23 | 3 49 | 21 7 | 2 52 | 0 57 | 1 38 | 16 4 | 1 35 | 9 55 | 1 31 | 5 49 | 2 48 | 20 22 | 0 5 | 14 23 | 1 45 | 6 45 | 12 33 | 22 45 | 22 39 | 5 11 | 6 33 | 1 57 |
| T 17 | 11 40 | 18 33 | 3 4 | 21 13 | 2 49 | 0 28 | 1 38 | 15 54 | 1 36 | 9 55 | 1 31 | 5 47 | 2 48 | 20 23 | 0 5 | 14 24 | 1 45 | 6 45 | 12 33 | 22 46 | 22 40 | 5 13 | 6 31 | 1 57 |
| W18 | 12 1 | 20 57 | 2 9 | 21 17 | 2 45 | 0s 2 | 1 39 | 15 44 | 1 37 | 9 56 | 1 31 | 5 45 | 2 48 | 20 24 | 0 5 | 14 24 | 1 45 | 6 44 | 12 34 | 22 47 | 22 40 | 5 16 | 6 30 | 1 57 |
| T 19 | 12 22 | 22 24 | 1 8 | 21 17 | 2 40 | 0 31 | 1 39 | 15 34 | 1 38 | 9 56 | 1 30 | 5 44 | 2 48 | 20 24 | 0 5 | 14 25 | 1 45 | 6 44 | 12 34 | 22 47 | 22 40 | 5 18 | 6 29 | 1 56 |
| F 20 | 12 43 | 22 48 | 0 3 | 21 14 | 2 34 | 1 0 | 1 39 | 15 24 | 1 39 | 9 57 | 1 30 | 5 42 | 2 48 | 20 25 | 0 5 | 14 26 | 1 45 | 6 44 | 12 34 | 22 47 | 22 41 | 5 21 | 6 28 | 1 56 |
| S 21 | 13 3 | 22 1 | 1n 5 | 21 8 | 2 26 | 1 29 | 1 40 | 15 14 | 1 40 | 9 57 | 1 30 | 5 40 | 2 48 | 20 26 | 0 5 | 14 26 | 1 45 | 6 44 | 12 34 | 22 47 | 22 41 | 5 23 | 6 27 | 1 56 |
| S 22 | 13 24 | 20 2 | 2 10 | 20 58 | 2 17 | 1 59 | 1 40 | 15 4 | 1 41 | 9 57 | 1 30 | 5 39 | 2 48 | 20 27 | 0 5 | 14 27 | 1 45 | 6 43 | 12 34 | 22 47 | 22 41 | 5 26 | 6 26 | 1 56 |
| M23 | 13 44 | 16 53 | 3 11 | 20 44 | 2 7 | 2 28 | 1 40 | 14 55 | 1 41 | 9 57 | 1 29 | 5 37 | 2 47 | 20 27 | 0 5 | 14 28 | 1 45 | 6 43 | 12 34 | 22 47 | 22 42 | 5 29 | 6 25 | 1 56 |
| T 24 | 14 4 | 12 42 | 4 2 | 20 26 | 1 54 | 2 57 | 1 40 | 14 45 | 1 42 | 9 57 | 1 29 | 5 36 | 2 47 | 20 28 | 0 5 | 14 28 | 1 45 | 6 43 | 12 34 | 22 48 | 22 42 | 5 31 | 6 24 | 1 56 |
| W25 | 14 23 | 7 40 | 4 40 | 20 4 | 1 40 | 3 27 | 1 40 | 14 35 | 1 43 | 9 57 | 1 29 | 5 34 | 2 47 | 20 29 | 0 5 | 14 29 | 1 45 | 6 42 | 12 34 | 22 48 | 22 42 | 5 34 | 6 23 | 1 56 |
| T 26 | 14 43 | 2 3 | 5 1 | 19 37 | 1 25 | 3 56 | 1 39 | 14 25 | 1 44 | 9 57 | 1 29 | 5 32 | 2 47 | 20 29 | 0 5 | 14 30 | 1 45 | 6 42 | 12 34 | 22 49 | 22 43 | 5 36 | 6 22 | 1 56 |
| F 27 | 15 2 | 3s47 | 5 0 | 19 6 | 1 8 | 4 25 | 1 39 | 14 15 | 1 45 | 9 57 | 1 28 | 5 31 | 2 47 | 20 30 | 0 5 | 14 30 | 1 45 | 6 42 | 12 34 | 22 50 | 22 43 | 5 39 | 6 20 | 1 55 |
| S 28 | 15 21 | 9 28 | 4 39 | 18 31 | 0 49 | 4 54 | 1 39 | 14 5 | 1 46 | 9 57 | 1 28 | 5 29 | 2 47 | 20 31 | 0 5 | 14 31 | 1 45 | 6 42 | 12 34 | 22 51 | 22 43 | 5 41 | 6 19 | 1 55 |
| S 29 | 15 40 | 14 33 | 3 58 | 17 53 | 0 30 | 5 23 | 1 39 | 13 55 | 1 47 | 9 57 | 1 28 | 5 28 | 2 47 | 20 32 | 0 5 | 14 32 | 1 45 | 6 41 | 12 34 | 22 52 | 22 44 | 5 44 | 6 18 | 1 55 |
| M30 | 15 58 | 18 38 | 3 0 | 17 12 | 0 9 | 5 52 | 1 38 | 13 45 | 1 48 | 9 56 | 1 28 | 5 26 | 2 47 | 20 32 | 0 5 | 14 32 | 1 45 | 6 41 | 12 34 | 22 53 | 22 44 | 5 47 | 6 17 | 1 55 |
| T 31 | 16s16 | 21s25 | 1n52 | 16s29 | 0n11 | 6s21 | 1n38 | 13n35 | 1n49 | 9s56 | 1s27 | 5n25 | 2s46 | 20s33 | 0n 5 | 14s33 | 1n45 | 6n41 | 12s34 | 22n53 | 22n44 | 5n49 | 6n16 | 1n55 |

Julian Day Number = 2139177.5, Delta T = 15m32s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°48'59, Lahiri = 11°55'59 Julian Calendar 1 Oct. 1144 == Greg. Calendar 8 Oct. 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## NOVEMBER 1144 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 7 22 | 15♏31'59 | 5♑56 | 14°R31 | 21♎15 | 29♌31 | 8♓ 5 | 20°R17 | 1♐57 | 14♏24 | 24°R 3 | 13°R14 | 14♋35 | 27♈16 | 11°R19 | W 1 |
| T 2 | 3 11 19 | 16°32'40 | 19°38 | 13♏12 | 22°30 | 0♍ 1 | 8° 7 | 20♈13 | 2° 1 | 14°26 | 24♉ 2 | 13°D14 | 14°32 | 27°23 | 11♈17 | T 2 |
| F 3 | 3 15 15 | 17°33'22 | 2♒51 | 11°56 | 23°45 | 0°32 | 8° 8 | 20° 9 | 2° 4 | 14°28 | 24° 1 | 13♋14 | 14°29 | 27°29 | 11°15 | F 3 |
| S 4 | 3 19 12 | 18°34'06 | 15°41 | 10°47 | 25° 0 | 1° 2 | 8° 9 | 20° 5 | 2° 8 | 14°31 | 24° 0 | 13°R15 | 14°25 | 27°36 | 11°13 | S 4 |
| S 5 | 3 23 8 | 19°34'50 | 28°10 | 9°47 | 26°15 | 1°32 | 8°11 | 20° 1 | 2°11 | 14°33 | 23°59 | 13°15 | 14°22 | 27°43 | 11°11 | S 5 |
| M 6 | 3 27 5 | 20°35'35 | 10♓23 | 8°56 | 27°30 | 2° 3 | 8°13 | 19°57 | 2°15 | 14°35 | 23°58 | 13°12 | 14°19 | 27°50 | 11° 8 | M 6 |
| T 7 | 3 31 2 | 21°36'22 | 22°25 | 8°17 | 28°45 | 2°32 | 8°15 | 19°53 | 2°19 | 14°37 | 23°56 | 13° 8 | 14°16 | 27°56 | 11° 7 | T 7 |
| W 8 | 3 34 58 | 22°37'09 | 4♈21 | 7°50 | 29°59 | 3° 2 | 8°17 | 19°49 | 2°22 | 14°40 | 23°55 | 13° 1 | 14°13 | 28° 3 | 11° 5 | W 8 |
| T 9 | 3 38 55 | 23°37'57 | 16°13 | 7°34 | 1♏15 | 3°32 | 8°20 | 19°46 | 2°26 | 14°42 | 23°54 | 12°53 | 14°10 | 28°10 | 11° 3 | T 9 |
| F 10 | 3 42 51 | 24°38'47 | 28° 5 | 7°D29 | 2°30 | 4° 1 | 8°22 | 19°42 | 2°29 | 14°44 | 23°53 | 12°43 | 14° 6 | 28°16 | 11° 1 | F 10 |
| S 11 | 3 46 48 | 25°39'38 | 9♉58 | 7°35 | 3°45 | 4°30 | 8°25 | 19°39 | 2°33 | 14°46 | 23°52 | 12°33 | 14° 3 | 28°23 | 10°59 | S 11 |
| S 12 | 3 50 44 | 26°40'29 | 21°56 | 7°51 | 5° 0 | 4°59 | 8°28 | 19°36 | 2°37 | 14°49 | 23°51 | 12°24 | 14° 0 | 28°30 | 10°57 | S 12 |
| M13 | 3 54 41 | 27°41'22 | 3♊58 | 8°16 | 6°15 | 5°28 | 8°32 | 19°32 | 2°40 | 14°51 | 23°50 | 12°17 | 13°57 | 28°37 | 10°55 | M13 |
| T 14 | 3 58 37 | 28°42'16 | 16° 6 | 8°49 | 7°30 | 5°57 | 8°35 | 19°29 | 2°44 | 14°53 | 23°48 | 12°11 | 13°54 | 28°43 | 10°54 | T 14 |
| W15 | 4 2 34 | 29°43'12 | 28°22 | 9°30 | 8°45 | 6°25 | 8°39 | 19°26 | 2°48 | 14°55 | 23°47 | 12° 8 | 13°51 | 28°50 | 10°52 | W15 |
| T 16 | 4 6 31 | 0♐44'08 | 10♋48 | 10°17 | 10° 0 | 6°53 | 8°43 | 19°23 | 2°51 | 14°57 | 23°46 | 12°D 7 | 13°47 | 28°57 | 10°51 | T 16 |
| F 17 | 4 10 27 | 1°45'06 | 23°25 | 11° 9 | 11°16 | 7°21 | 8°47 | 19°20 | 2°55 | 15° 0 | 23°45 | 12° 8 | 13°44 | 29° 4 | 10°49 | F 17 |
| S 18 | 4 14 24 | 2°46'04 | 6♌16 | 12° 7 | 12°31 | 7°49 | 8°51 | 19°17 | 2°59 | 15° 2 | 23°44 | 12° 9 | 13°41 | 29°10 | 10°48 | S 18 |
| S 19 | 4 18 20 | 3°47'04 | 19°24 | 13° 9 | 13°46 | 8°17 | 8°55 | 19°14 | 3° 2 | 15° 4 | 23°43 | 12°11 | 13°38 | 29°17 | 10°46 | S 19 |
| M20 | 4 22 17 | 4°48'06 | 2♍52 | 14°15 | 15° 1 | 8°44 | 9° 0 | 19°12 | 3° 6 | 15° 6 | 23°42 | 12°R11 | 13°35 | 29°24 | 10°45 | M20 |
| T 21 | 4 26 13 | 5°49'08 | 16°41 | 15°24 | 16°16 | 9°12 | 9° 5 | 19° 9 | 3°10 | 15° 8 | 23°41 | 12°11 | 13°31 | 29°30 | 10°43 | T 21 |
| W22 | 4 30 10 | 6°50'11 | 0♎52 | 16°36 | 17°32 | 9°39 | 9°10 | 19° 7 | 3°13 | 15°10 | 23°39 | 12° 9 | 13°28 | 29°37 | 10°42 | W22 |
| T 23 | 4 34 6 | 7°51'16 | 15°24 | 17°51 | 18°47 | 10° 5 | 9°15 | 19° 4 | 3°17 | 15°12 | 23°38 | 12° 5 | 13°25 | 29°44 | 10°41 | T 23 |
| F 24 | 4 38 3 | 8°52'21 | 0♏12 | 19° 8 | 20° 2 | 10°32 | 9°20 | 19° 2 | 3°21 | 15°15 | 23°37 | 12° 0 | 13°22 | 29°51 | 10°40 | F 24 |
| S 25 | 4 42 0 | 9°53'28 | 15°10 | 20°26 | 21°18 | 10°58 | 9°26 | 19° 0 | 3°24 | 15°17 | 23°36 | 11°55 | 13°19 | 29°57 | 10°39 | S 25 |
| S 26 | 4 45 56 | 10°54'35 | 0♐ 9 | 21°46 | 22°33 | 11°24 | 9°31 | 18°58 | 3°28 | 15°19 | 23°35 | 11°51 | 13°16 | 0♉ 4 | 10°37 | S 26 |
| M27 | 4 49 53 | 11°55'43 | 15° 0 | 23° 8 | 23°48 | 11°50 | 9°37 | 18°56 | 3°32 | 15°21 | 23°34 | 11°47 | 13°12 | 0°11 | 10°36 | M27 |
| T 28 | 4 53 49 | 12°56'52 | 29°35 | 24°31 | 25° 4 | 12°16 | 9°43 | 18°54 | 3°35 | 15°23 | 23°33 | 11°45 | 13° 9 | 0°17 | 10°35 | T 28 |
| W29 | 4 57 46 | 13°58'01 | 13♑49 | 25°55 | 26°19 | 12°41 | 9°50 | 18°52 | 3°39 | 15°25 | 23°32 | 11°D45 | 13° 6 | 0°24 | 10°35 | W29 |
| T 30 | 5 1 42 | 14♐59'11 | 27♑37 | 27♏20 | 27♏34 | 13♍ 6 | 9♓56 | 18♈51 | 3♐43 | 15♏27 | 23♉31 | 11♋46 | 13♋ 3 | 0♉31 | 10♈34 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s34 | 22s46 | 0n39 | 15s46 | 0n32 | 6s50 | 1n37 | 13n25 | 1n50 | 9s55 | 1s27 | 5n24 | 2s46 | 20s34 | 0n 5 | 14s34 | 1n45 | 6n40 | 12s34 | 22n53 | 22n45 | 5n52 | 6n15 | 1n55 |
| T 2 | 16 52 | 22 40 | 0s34 | 15 3 | 0 52 | 7 18 | 1 36 | 13 15 | 1 51 | 9 55 | 1 27 | 5 22 | 2 46 | 20 34 | 0 5 | 14 34 | 1 45 | 6 40 | 12 34 | 22 53 | 22 45 | 5 54 | 6 14 | 1 55 |
| F 3 | 17 9 | 21 17 | 1 43 | 14 22 | 1 11 | 7 47 | 1 36 | 13 5 | 1 52 | 9 54 | 1 27 | 5 21 | 2 46 | 20 35 | 0 5 | 14 35 | 1 45 | 6 40 | 12 34 | 22 53 | 22 46 | 5 57 | 6 13 | 1 55 |
| S 4 | 17 26 | 18 50 | 2 45 | 13 44 | 1 28 | 8 15 | 1 35 | 12 55 | 1 53 | 9 53 | 1 26 | 5 20 | 2 46 | 20 36 | 0 5 | 14 36 | 1 45 | 6 40 | 12 34 | 22 53 | 22 46 | 5 59 | 6 12 | 1 54 |
| S 5 | 17 43 | 15 33 | 3 37 | 13 11 | 1 43 | 8 43 | 1 34 | 12 45 | 1 54 | 9 52 | 1 26 | 5 18 | 2 46 | 20 37 | 0 5 | 14 36 | 1 45 | 6 39 | 12 34 | 22 53 | 22 46 | 6 2 | 6 12 | 1 54 |
| M 6 | 17 59 | 11 41 | 4 18 | 12 42 | 1 57 | 9 11 | 1 33 | 12 35 | 1 55 | 9 51 | 1 26 | 5 17 | 2 45 | 20 37 | 0 5 | 14 37 | 1 45 | 6 39 | 12 34 | 22 53 | 22 47 | 6 5 | 6 11 | 1 54 |
| T 7 | 18 15 | 7 24 | 4 47 | 12 19 | 2 8 | 9 39 | 1 32 | 12 25 | 1 56 | 9 50 | 1 26 | 5 16 | 2 45 | 20 38 | 0 5 | 14 38 | 1 45 | 6 39 | 12 34 | 22 54 | 22 47 | 6 7 | 6 10 | 1 54 |
| W 8 | 18 31 | 2 54 | 5 3 | 12 1 | 2 17 | 10 6 | 1 31 | 12 15 | 1 57 | 9 49 | 1 25 | 5 15 | 2 45 | 20 39 | 0 5 | 14 38 | 1 45 | 6 39 | 12 34 | 22 55 | 22 47 | 6 10 | 6 9 | 1 54 |
| T 9 | 18 46 | 1n42 | 5 6 | 11 49 | 2 24 | 10 34 | 1 30 | 12 5 | 1 58 | 9 48 | 1 25 | 5 13 | 2 45 | 20 40 | 0 5 | 14 39 | 1 45 | 6 38 | 12 34 | 22 55 | 22 48 | 6 12 | 6 8 | 1 54 |
| F 10 | 19 1 | 6 14 | 4 56 | 11 43 | 2 30 | 11 1 | 1 28 | 11 55 | 1 59 | 9 47 | 1 25 | 5 12 | 2 45 | 20 40 | 0 5 | 14 39 | 1 45 | 6 38 | 12 34 | 22 56 | 22 48 | 6 15 | 6 7 | 1 54 |
| S 11 | 19 16 | 10 34 | 4 33 | 11 41 | 2 33 | 11 27 | 1 27 | 11 46 | 2 0 | 9 45 | 1 25 | 5 11 | 2 44 | 20 41 | 0 5 | 14 40 | 1 45 | 6 38 | 12 34 | 22 57 | 22 48 | 6 17 | 6 6 | 1 53 |
| S 12 | 19 30 | 14 30 | 3 57 | 11 45 | 2 35 | 11 54 | 1 26 | 11 36 | 2 1 | 9 44 | 1 24 | 5 10 | 2 44 | 20 42 | 0 5 | 14 41 | 1 45 | 6 38 | 12 34 | 22 58 | 22 49 | 6 20 | 6 5 | 1 53 |
| M13 | 19 44 | 17 54 | 3 11 | 11 52 | 2 36 | 12 20 | 1 25 | 11 26 | 2 2 | 9 43 | 1 24 | 5 9 | 2 44 | 20 42 | 0 5 | 14 41 | 1 45 | 6 38 | 12 34 | 22 59 | 22 49 | 6 23 | 6 5 | 1 53 |
| T 14 | 19 58 | 20 34 | 2 16 | 12 3 | 2 35 | 12 46 | 1 23 | 11 17 | 2 3 | 9 41 | 1 24 | 5 8 | 2 44 | 20 43 | 0 5 | 14 42 | 1 45 | 6 37 | 12 34 | 22 59 | 22 49 | 6 25 | 6 4 | 1 53 |
| W15 | 20 11 | 22 19 | 1 14 | 12 18 | 2 33 | 13 12 | 1 22 | 11 7 | 2 4 | 9 39 | 1 24 | 5 7 | 2 44 | 20 44 | 0 5 | 14 43 | 1 45 | 6 37 | 12 34 | 23 0 | 22 50 | 6 28 | 6 3 | 1 53 |
| T 16 | 20 24 | 22 59 | 0 7 | 12 35 | 2 31 | 13 37 | 1 20 | 10 57 | 2 5 | 9 38 | 1 23 | 5 6 | 2 43 | 20 45 | 0 5 | 14 43 | 1 45 | 6 37 | 12 34 | 23 0 | 22 50 | 6 30 | 6 2 | 1 53 |
| F 17 | 20 36 | 22 31 | 1n 1 | 12 55 | 2 27 | 14 2 | 1 18 | 10 48 | 2 6 | 9 36 | 1 23 | 5 5 | 2 43 | 20 45 | 0 5 | 14 44 | 1 45 | 6 37 | 12 34 | 23 0 | 22 50 | 6 33 | 6 1 | 1 53 |
| S 18 | 20 49 | 20 51 | 2 8 | 13 17 | 2 23 | 14 27 | 1 17 | 10 38 | 2 7 | 9 34 | 1 23 | 5 4 | 2 43 | 20 46 | 0 5 | 14 45 | 1 45 | 6 37 | 12 34 | 22 59 | 22 51 | 6 35 | 6 1 | 1 52 |
| S 19 | 21 0 | 18 3 | 3 9 | 13 40 | 2 18 | 14 51 | 1 15 | 10 29 | 2 8 | 9 32 | 1 23 | 5 4 | 2 43 | 20 47 | 0 5 | 14 45 | 1 45 | 6 36 | 12 33 | 22 59 | 22 51 | 6 38 | 6 0 | 1 52 |
| M20 | 21 12 | 14 15 | 4 1 | 14 5 | 2 12 | 15 15 | 1 13 | 10 20 | 2 9 | 9 30 | 1 22 | 5 3 | 2 42 | 20 47 | 0 5 | 14 46 | 1 45 | 6 36 | 12 33 | 22 59 | 22 51 | 6 41 | 5 59 | 1 52 |
| T 21 | 21 23 | 9 36 | 4 41 | 14 31 | 2 6 | 15 38 | 1 11 | 10 10 | 2 10 | 9 28 | 1 22 | 5 2 | 2 42 | 20 48 | 0 5 | 14 46 | 1 45 | 6 36 | 12 33 | 22 59 | 22 52 | 6 43 | 5 59 | 1 52 |
| W22 | 21 33 | 4 19 | 5 6 | 14 58 | 2 0 | 16 2 | 1 10 | 10 1 | 2 12 | 9 26 | 1 22 | 5 1 | 2 42 | 20 49 | 0 5 | 14 47 | 1 45 | 6 36 | 12 33 | 22 59 | 22 52 | 6 46 | 5 58 | 1 52 |
| T 23 | 21 43 | 1s18 | 5 11 | 15 25 | 1 53 | 16 24 | 1 8 | 9 52 | 2 13 | 9 24 | 1 22 | 5 1 | 2 42 | 20 50 | 0 5 | 14 48 | 1 45 | 6 36 | 12 33 | 23 0 | 22 52 | 6 48 | 5 57 | 1 52 |
| F 24 | 21 53 | 6 58 | 4 56 | 15 53 | 1 46 | 16 47 | 1 6 | 9 43 | 2 14 | 9 22 | 1 21 | 5 0 | 2 41 | 20 50 | 0 5 | 14 48 | 1 45 | 6 36 | 12 33 | 23 0 | 22 52 | 6 51 | 5 57 | 1 51 |
| S 25 | 22 2 | 12 18 | 4 21 | 16 21 | 1 39 | 17 8 | 1 4 | 9 34 | 2 15 | 9 19 | 1 21 | 4 59 | 2 41 | 20 51 | 0 5 | 14 49 | 1 45 | 6 35 | 12 33 | 23 1 | 22 53 | 6 53 | 5 56 | 1 51 |
| S 26 | 22 11 | 16 53 | 3 28 | 16 49 | 1 32 | 17 30 | 1 2 | 9 25 | 2 16 | 9 17 | 1 21 | 4 59 | 2 41 | 20 52 | 0 5 | 14 49 | 1 45 | 6 35 | 12 33 | 23 1 | 22 53 | 6 56 | 5 56 | 1 51 |
| M27 | 22 19 | 20 22 | 2 21 | 17 17 | 1 25 | 17 51 | 1 0 | 9 16 | 2 17 | 9 14 | 1 21 | 4 58 | 2 41 | 20 52 | 0 5 | 14 50 | 1 45 | 6 35 | 12 33 | 23 1 | 22 53 | 6 59 | 5 55 | 1 51 |
| T 28 | 22 27 | 22 27 | 1 6 | 17 44 | 1 17 | 18 11 | 0 58 | 9 7 | 2 18 | 9 12 | 1 20 | 4 58 | 2 40 | 20 53 | 0 5 | 14 51 | 1 45 | 6 35 | 12 32 | 23 2 | 22 54 | 7 1 | 5 54 | 1 51 |
| W29 | 22 35 | 23 1 | 0s11 | 18 12 | 1 10 | 18 31 | 0 56 | 8 59 | 2 20 | 9 9 | 1 20 | 4 58 | 2 40 | 20 54 | 0 5 | 14 51 | 1 45 | 6 35 | 12 32 | 23 2 | 22 54 | 7 4 | 5 54 | 1 51 |
| T 30 | 22s42 | 22s 8 | 1s26 | 18s39 | 1n 2 | 18s51 | 0n53 | 8n50 | 2n21 | 9s 7 | 1s20 | 4n57 | 2s40 | 20s55 | 0n 5 | 14s52 | 1n45 | 6n35 | 12s32 | 23n 2 | 22n54 | 7n 6 | 5n53 | 1n50 |

Julian Day Number = 2139208.5, Delta T = 15m32s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'03, Lahiri = 11°56'03 Julian Calendar 1 Nov. 1144 == Greg. Calendar 8 Nov. 1144


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# ASTRODIENST EPHEMERIS for the year 1144
# geocentric

## DECEMBER 1144 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 5 39 | 16♐ 0'21 | 10♒58 | 28♏46 | 28♏50 | 13♍31 | 10♓ 3 | 18°R49 | 3♐46 | 15♏29 | 23°R30 | 11♋47 | 13♋ 0 | 0♉38 | 10°R33 | F 1 |
| S 2 | 5 9 35 | 17° 1'31 | 23°54 | 0♐13 | 0♐ 5 | 13°55 | 10° 9 | 18♈48 | 3°50 | 15°31 | 23♉29 | 11°49 | 12°57 | 0°44 | 10♈32 | S 2 |
| S 3 | 5 13 32 | 18° 2'41 | 6♓29 | 1°40 | 1°20 | 14°19 | 10°16 | 18°47 | 3°53 | 15°33 | 23°28 | 11°50 | 12°53 | 0°51 | 10°31 | S 3 |
| M 4 | 5 17 29 | 19° 3'51 | 18°46 | 3° 8 | 2°36 | 14°43 | 10°23 | 18°45 | 3°57 | 15°35 | 23°27 | 11°R51 | 12°50 | 0°58 | 10°31 | M 4 |
| T 5 | 5 21 25 | 20° 5'01 | 0♈50 | 4°36 | 3°51 | 15° 7 | 10°31 | 18°44 | 4° 1 | 15°37 | 23°26 | 11°50 | 12°47 | 1° 4 | 10°30 | T 5 |
| W 6 | 5 25 22 | 21° 6'12 | 12°45 | 6° 5 | 5° 6 | 15°30 | 10°38 | 18°43 | 4° 4 | 15°39 | 23°25 | 11°49 | 12°44 | 1°11 | 10°30 | W 6 |
| T 7 | 5 29 18 | 22° 7'22 | 24°37 | 7°34 | 6°22 | 15°53 | 10°45 | 18°42 | 4° 8 | 15°41 | 23°24 | 11°46 | 12°41 | 1°18 | 10°29 | T 7 |
| F 8 | 5 33 15 | 23° 8'32 | 6♉29 | 9° 4 | 7°37 | 16°16 | 10°53 | 18°42 | 4°11 | 15°43 | 23°23 | 11°43 | 12°37 | 1°25 | 10°29 | F 8 |
| S 9 | 5 37 11 | 24° 9'43 | 18°25 | 10°34 | 8°53 | 16°38 | 11° 1 | 18°41 | 4°15 | 15°45 | 23°22 | 11°40 | 12°34 | 1°31 | 10°28 | S 9 |
| S 10 | 5 41 8 | 25°10'53 | 0♊27 | 12° 4 | 10° 8 | 17° 0 | 11° 9 | 18°41 | 4°18 | 15°46 | 23°21 | 11°37 | 12°31 | 1°38 | 10°28 | S 10 |
| M11 | 5 45 4 | 26°12'04 | 12°38 | 13°35 | 11°23 | 17°22 | 11°17 | 18°40 | 4°22 | 15°48 | 23°20 | 11°35 | 12°28 | 1°45 | 10°28 | M11 |
| T 12 | 5 49 1 | 27°13'14 | 24°59 | 15° 7 | 12°39 | 17°43 | 11°25 | 18°40 | 4°25 | 15°50 | 23°19 | 11°34 | 12°25 | 1°51 | 10°28 | T 12 |
| W13 | 5 52 58 | 28°14'25 | 7♋32 | 16°38 | 13°54 | 18° 4 | 11°34 | 18°40 | 4°29 | 15°52 | 23°18 | 11°D33 | 12°22 | 1°58 | 10°28 | W13 |
| T 14 | 5 56 54 | 29°15'36 | 20°16 | 18°10 | 15° 9 | 18°25 | 11°42 | 18°D39 | 4°32 | 15°54 | 23°17 | 11°33 | 12°18 | 2° 5 | 10°28 | T 14 |
| F 15 | 6 0 51 | 0♌16'46 | 3♎14 | 19°43 | 16°25 | 18°45 | 11°51 | 18°40 | 4°35 | 15°55 | 23°16 | 11°34 | 12°15 | 2°12 | 10°D27 | F 15 |
| S 16 | 6 4 47 | 1°17'57 | 16°24 | 21°15 | 17°40 | 19° 5 | 12° 0 | 18°40 | 4°39 | 15°57 | 23°15 | 11°35 | 12°12 | 2°18 | 10°28 | S 16 |
| S 17 | 6 8 44 | 2°19'08 | 29°47 | 22°48 | 18°56 | 19°25 | 12° 9 | 18°40 | 4°42 | 15°59 | 23°15 | 11°36 | 12° 9 | 2°25 | 10°28 | S 17 |
| M18 | 6 12 40 | 3°20'19 | 13♍24 | 24°22 | 20°11 | 19°44 | 12°18 | 18°40 | 4°46 | 16° 0 | 23°14 | 11°36 | 12° 6 | 2°32 | 10°28 | M18 |
| T 19 | 6 16 37 | 4°21'29 | 27°15 | 25°56 | 21°26 | 20° 3 | 12°27 | 18°41 | 4°49 | 16° 2 | 23°13 | 11°37 | 12° 3 | 2°38 | 10°28 | T 19 |
| W20 | 6 20 33 | 5°22'40 | 11♎18 | 27°30 | 22°42 | 20°21 | 12°37 | 18°41 | 4°52 | 16° 4 | 23°12 | 11°R37 | 11°59 | 2°45 | 10°28 | W20 |
| T 21 | 6 24 30 | 6°23'51 | 25°33 | 29° 5 | 23°57 | 20°39 | 12°46 | 18°42 | 4°55 | 16° 5 | 23°11 | 11°37 | 11°56 | 2°52 | 10°29 | T 21 |
| F 22 | 6 28 27 | 7°25'02 | 9♏57 | 0♌40 | 25°12 | 20°57 | 12°56 | 18°43 | 4°59 | 16° 7 | 23°10 | 11°36 | 11°53 | 2°59 | 10°29 | F 22 |
| S 23 | 6 32 23 | 8°26'14 | 24°26 | 2°15 | 26°28 | 21°14 | 13° 6 | 18°44 | 5° 2 | 16° 9 | 23°10 | 11°36 | 11°50 | 3° 5 | 10°29 | S 23 |
| S 24 | 6 36 20 | 9°27'24 | 8♐57 | 3°51 | 27°43 | 21°30 | 13°16 | 18°45 | 5° 5 | 16°10 | 23° 9 | 11°35 | 11°47 | 3°12 | 10°30 | S 24 |
| M25 | 6 40 16 | 10°28'35 | 23°22 | 5°28 | 28°59 | 21°47 | 13°26 | 18°46 | 5° 8 | 16°12 | 23° 8 | 11°35 | 11°43 | 3°19 | 10°31 | M25 |
| T 26 | 6 44 13 | 11°29'46 | 7♑38 | 7° 5 | 0♑14 | 22° 2 | 13°36 | 18°47 | 5°11 | 16°13 | 23° 7 | 11°35 | 11°40 | 3°25 | 10°31 | T 26 |
| W27 | 6 48 9 | 12°30'55 | 21°38 | 8°42 | 1°29 | 22°18 | 13°46 | 18°49 | 5°15 | 16°14 | 23° 7 | 11°35 | 11°37 | 3°32 | 10°32 | W27 |
| T 28 | 6 52 6 | 13°32'05 | 5♒20 | 10°20 | 2°45 | 22°33 | 13°57 | 18°50 | 5°18 | 16°16 | 23° 6 | 11°35 | 11°34 | 3°39 | 10°33 | T 28 |
| F 29 | 6 56 3 | 14°33'13 | 18°40 | 11°59 | 4° 0 | 22°47 | 14° 7 | 18°52 | 5°21 | 16°17 | 23° 5 | 11°35 | 11°31 | 3°46 | 10°33 | F 29 |
| S 30 | 6 59 59 | 15°34'21 | 1♓39 | 13°38 | 5°15 | 23° 1 | 14°18 | 18°53 | 5°24 | 16°19 | 23° 5 | 11°35 | 11°28 | 3°52 | 10°34 | S 30 |
| S 31 | 7 3 56 | 16♑35'28 | 14♓18 | 15♑17 | 6♑31 | 23♍14 | 14♓29 | 18♈55 | 5♐27 | 16♏20 | 23♉ 4 | 11♋34 | 11♋24 | 3♉59 | 10♈35 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s49 | 20s 1 | 2s34 | 19s 5 | 0n55 | 19s 9 | 0n51 | 8n42 | 2n22 | 9s 4 | 1s20 | 4n57 | 2s39 | 20s55 | 0n 5 | 14s52 | 1n45 | 6n35 | 12s32 | 23n 1 | 22n55 | 7n 9 | 5n53 | 1n50 |
| S 2 | 22 55 | 16 56 | 3 31 | 19 31 | 0 47 | 19 28 | 0 49 | 8 33 | 2 23 | 9 1 | 1 20 | 4 57 | 2 39 | 20 56 | 0 5 | 14 53 | 1 46 | 6 35 | 12 32 | 23 1 | 22 55 | 7 11 | 5 53 | 1 50 |
| S 3 | 23 1 | 13 9 | 4 17 | 19 57 | 0 39 | 19 46 | 0 47 | 8 25 | 2 24 | 8 58 | 1 19 | 4 56 | 2 39 | 20 57 | 0 5 | 14 53 | 1 46 | 6 34 | 12 32 | 23 1 | 22 55 | 7 14 | 5 52 | 1 50 |
| M 4 | 23 6 | 8 54 | 4 50 | 20 22 | 0 32 | 20 3 | 0 44 | 8 17 | 2 26 | 8 56 | 1 19 | 4 56 | 2 39 | 20 57 | 0 5 | 14 54 | 1 46 | 6 34 | 12 32 | 23 1 | 22 56 | 7 17 | 5 52 | 1 50 |
| T 5 | 23 11 | 4 23 | 5 9 | 20 45 | 0 24 | 20 20 | 0 42 | 8 9 | 2 27 | 8 53 | 1 19 | 4 56 | 2 38 | 20 58 | 0 5 | 14 54 | 1 46 | 6 34 | 12 32 | 23 1 | 22 56 | 7 19 | 5 51 | 1 50 |
| W 6 | 23 15 | 0n14 | 5 15 | 21 9 | 0 17 | 20 36 | 0 40 | 8 1 | 2 28 | 8 50 | 1 19 | 4 56 | 2 38 | 20 59 | 0 5 | 14 55 | 1 46 | 6 34 | 12 31 | 23 1 | 22 56 | 7 22 | 5 51 | 1 49 |
| T 7 | 23 19 | 4 49 | 5 7 | 21 31 | 0 10 | 20 51 | 0 37 | 7 53 | 2 29 | 8 46 | 1 18 | 4 56 | 2 38 | 20 59 | 0 5 | 14 55 | 1 46 | 6 34 | 12 31 | 23 2 | 22 57 | 7 24 | 5 51 | 1 49 |
| F 8 | 23 22 | 9 14 | 4 46 | 21 52 | 0 2 | 21 6 | 0 35 | 7 45 | 2 31 | 8 43 | 1 18 | 4 56 | 2 37 | 21 0 | 0 5 | 14 56 | 1 46 | 6 34 | 12 31 | 23 2 | 22 57 | 7 27 | 5 50 | 1 49 |
| S 9 | 23 25 | 13 20 | 4 13 | 22 13 | 0s 5 | 21 21 | 0 33 | 7 38 | 2 32 | 8 40 | 1 18 | 4 56 | 2 37 | 21 1 | 0 5 | 14 56 | 1 46 | 6 34 | 12 31 | 23 2 | 22 57 | 7 29 | 5 50 | 1 49 |
| S 10 | 23 28 | 16 57 | 3 28 | 22 32 | 0 12 | 21 34 | 0 30 | 7 30 | 2 33 | 8 37 | 1 18 | 4 56 | 2 37 | 21 1 | 0 5 | 14 57 | 1 46 | 6 34 | 12 31 | 23 2 | 22 57 | 7 32 | 5 50 | 1 49 |
| M11 | 23 30 | 19 53 | 2 33 | 22 51 | 0 19 | 21 47 | 0 28 | 7 23 | 2 34 | 8 34 | 1 18 | 4 56 | 2 37 | 21 2 | 0 5 | 14 57 | 1 46 | 6 34 | 12 31 | 23 3 | 22 58 | 7 35 | 5 49 | 1 49 |
| T 12 | 23 31 | 21 57 | 1 30 | 23 8 | 0 26 | 22 0 | 0 25 | 7 16 | 2 36 | 8 30 | 1 17 | 4 56 | 2 36 | 21 3 | 0 5 | 14 58 | 1 46 | 6 34 | 12 30 | 23 3 | 22 58 | 7 37 | 5 49 | 1 48 |
| W13 | 23 32 | 22 58 | 0 22 | 23 25 | 0 32 | 22 12 | 0 23 | 7 9 | 2 37 | 8 27 | 1 17 | 4 56 | 2 36 | 21 3 | 0 5 | 14 58 | 1 46 | 6 34 | 12 30 | 23 3 | 22 58 | 7 40 | 5 49 | 1 48 |
| T 14 | 23 33 | 22 48 | 0n48 | 23 40 | 0 39 | 22 23 | 0 20 | 7 2 | 2 38 | 8 23 | 1 17 | 4 57 | 2 36 | 21 4 | 0 5 | 14 59 | 1 46 | 6 34 | 12 30 | 23 3 | 22 59 | 7 42 | 5 49 | 1 48 |
| F 15 | 23 33 | 21 25 | 1 57 | 23 54 | 0 45 | 22 33 | 0 18 | 6 55 | 2 40 | 8 20 | 1 17 | 4 57 | 2 35 | 21 5 | 0 5 | 14 59 | 1 46 | 6 34 | 12 30 | 23 3 | 22 59 | 7 45 | 5 49 | 1 48 |
| S 16 | 23 33 | 18 52 | 3 1 | 24 7 | 0 51 | 22 43 | 0 16 | 6 48 | 2 41 | 8 16 | 1 16 | 4 57 | 2 35 | 21 5 | 0 5 | 15 0 | 1 46 | 6 34 | 12 30 | 23 3 | 22 59 | 7 47 | 5 49 | 1 48 |
| S 17 | 23 32 | 15 17 | 3 57 | 24 18 | 0 57 | 22 52 | 0 13 | 6 42 | 2 42 | 8 12 | 1 16 | 4 58 | 2 35 | 21 6 | 0 5 | 15 0 | 1 46 | 6 34 | 12 29 | 23 2 | 22 59 | 7 50 | 5 48 | 1 48 |
| M18 | 23 30 | 10 51 | 4 40 | 24 29 | 1 3 | 23 1 | 0 11 | 6 35 | 2 44 | 8 9 | 1 16 | 4 58 | 2 35 | 21 6 | 0 5 | 15 1 | 1 46 | 6 34 | 12 29 | 23 2 | 23 0 | 7 52 | 5 48 | 1 47 |
| T 19 | 23 29 | 5 48 | 5 7 | 24 38 | 1 9 | 23 8 | 0 8 | 6 29 | 2 45 | 8 5 | 1 16 | 4 58 | 2 34 | 21 7 | 0 5 | 15 1 | 1 46 | 6 34 | 12 29 | 23 2 | 23 0 | 7 55 | 5 48 | 1 47 |
| W20 | 23 26 | 0 22 | 5 17 | 24 46 | 1 14 | 23 15 | 0 6 | 6 23 | 2 47 | 8 1 | 1 16 | 4 59 | 2 34 | 21 8 | 0 5 | 15 2 | 1 46 | 6 34 | 12 29 | 23 2 | 23 0 | 7 58 | 5 48 | 1 47 |
| T 21 | 23 24 | 5s 9 | 5 8 | 24 52 | 1 19 | 23 22 | 0 3 | 6 17 | 2 48 | 7 57 | 1 15 | 5 0 | 2 34 | 21 8 | 0 5 | 15 2 | 1 46 | 6 34 | 12 29 | 23 2 | 23 1 | 8 0 | 5 48 | 1 47 |
| F 22 | 23 20 | 10 27 | 4 39 | 24 57 | 1 24 | 23 27 | 0 1 | 6 12 | 2 49 | 7 53 | 1 15 | 5 0 | 2 33 | 21 9 | 0 5 | 15 2 | 1 46 | 6 34 | 12 28 | 23 2 | 23 1 | 8 3 | 5 48 | 1 47 |
| S 23 | 23 17 | 15 12 | 3 53 | 25 1 | 1 29 | 23 32 | 0s 2 | 6 6 | 2 51 | 7 50 | 1 15 | 5 1 | 2 33 | 21 9 | 0 5 | 15 3 | 1 46 | 6 34 | 12 28 | 23 2 | 23 1 | 8 5 | 5 48 | 1 47 |
| S 24 | 23 13 | 19 4 | 2 51 | 25 3 | 1 33 | 23 36 | 0 4 | 6 1 | 2 52 | 7 46 | 1 15 | 5 1 | 2 33 | 21 10 | 0 5 | 15 3 | 1 46 | 6 34 | 12 28 | 23 2 | 23 1 | 8 8 | 5 48 | 1 46 |
| M25 | 23 8 | 21 44 | 1 39 | 25 4 | 1 38 | 23 39 | 0 7 | 5 56 | 2 54 | 7 41 | 1 15 | 5 2 | 2 32 | 21 11 | 0 5 | 15 4 | 1 46 | 6 34 | 12 28 | 23 2 | 23 2 | 8 10 | 5 48 | 1 46 |
| T 26 | 23 3 | 22 58 | 0 22 | 25 3 | 1 42 | 23 42 | 0 9 | 5 51 | 2 55 | 7 37 | 1 15 | 5 3 | 2 32 | 21 11 | 0 5 | 15 4 | 1 46 | 6 34 | 12 27 | 23 2 | 23 2 | 8 13 | 5 48 | 1 46 |
| W27 | 22 57 | 22 43 | 0s56 | 25 1 | 1 45 | 23 44 | 0 12 | 5 46 | 2 56 | 7 33 | 1 14 | 5 4 | 2 32 | 21 12 | 0 5 | 15 4 | 1 46 | 6 34 | 12 27 | 23 2 | 23 2 | 8 16 | 5 49 | 1 46 |
| T 28 | 22 51 | 21 6 | 2 8 | 24 57 | 1 49 | 23 45 | 0 14 | 5 42 | 2 58 | 7 29 | 1 14 | 5 5 | 2 32 | 21 12 | 0 5 | 15 5 | 1 47 | 6 34 | 12 27 | 23 2 | 23 3 | 8 18 | 5 49 | 1 46 |
| F 29 | 22 45 | 18 20 | 3 12 | 24 52 | 1 52 | 23 46 | 0 16 | 5 37 | 2 59 | 7 25 | 1 14 | 5 5 | 2 31 | 21 13 | 0 5 | 15 5 | 1 47 | 6 34 | 12 27 | 23 3 | 23 3 | 8 21 | 5 49 | 1 46 |
| S 30 | 22 38 | 14 43 | 4 3 | 24 45 | 1 55 | 23 45 | 0 19 | 5 33 | 3 1 | 7 21 | 1 14 | 5 6 | 2 31 | 21 13 | 0 5 | 15 5 | 1 47 | 6 34 | 12 26 | 23 3 | 23 3 | 8 23 | 5 49 | 1 45 |
| S 31 | 22s31 | 10s32 | 4s42 | 24s36 | 1s57 | 23s44 | 0s21 | 5n29 | 3n 2 | 7s16 | 1s14 | 5n 7 | 2s31 | 21s14 | 0n 5 | 15s 6 | 1n47 | 6n34 | 12s26 | 23n 3 | 23n 3 | 8n26 | 5n49 | 1n45 |

Julian Day Number = 2139238.5, Delta T = 15m31s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'07, Lahiri = 11°56'08 Julian Calendar 1 Dec. 1144 == Greg. Calendar 8 Dec. 1144


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## JANUARY 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 7 52 | 17♉36'34 | 26♓39 | 16♉57 | 7♉46 | 23♍27 | 14♓39 | 18♈57 | 5♐30 | 16♏21 | 23°R 4 | 11°R33 | 11♋21 | 4♉ 6 | 10♈36 | M 1 |
| T 2 | 7 11 49 | 18°37'38 | 8♈46 | 18°38 | 9° 2 | 23°39 | 14°50 | 18°59 | 5°33 | 16°23 | 23♉ 3 | 11♋33 | 11°18 | 4°12 | 10°37 | T 2 |
| W 3 | 7 15 45 | 19°38'42 | 20°43 | 20°19 | 10°17 | 23°51 | 15° 1 | 19° 1 | 5°36 | 16°24 | 23° 2 | 11°D33 | 11°15 | 4°19 | 10°38 | W 3 |
| T 4 | 7 19 42 | 20°39'45 | 2♉35 | 22° 1 | 11°32 | 24° 2 | 15°13 | 19° 3 | 5°38 | 16°25 | 23° 2 | 11°33 | 11°12 | 4°26 | 10°39 | T 4 |
| F 5 | 7 23 38 | 21°40'47 | 14°27 | 23°44 | 12°47 | 24°12 | 15°24 | 19° 6 | 5°41 | 16°26 | 23° 1 | 11°34 | 11° 9 | 4°33 | 10°40 | F 5 |
| S 6 | 7 27 35 | 22°41'47 | 26°24 | 25°27 | 14° 3 | 24°22 | 15°35 | 19° 8 | 5°44 | 16°28 | 23° 1 | 11°35 | 11° 5 | 4°39 | 10°42 | S 6 |
| S 7 | 7 31 32 | 23°42'47 | 8♊29 | 27°10 | 15°18 | 24°32 | 15°47 | 19°11 | 5°47 | 16°29 | 23° 0 | 11°36 | 11° 2 | 4°46 | 10°43 | S 7 |
| M 8 | 7 35 28 | 24°43'45 | 20°46 | 28°54 | 16°33 | 24°40 | 15°58 | 19°14 | 5°50 | 16°30 | 23° 0 | 11°37 | 10°59 | 4°53 | 10°44 | M 8 |
| T 9 | 7 39 25 | 25°44'43 | 3♋18 | 0♒39 | 17°49 | 24°49 | 16°10 | 19°16 | 5°52 | 16°31 | 22°59 | 11°38 | 10°56 | 4°59 | 10°46 | T 9 |
| W10 | 7 43 21 | 26°45'39 | 16° 7 | 2°24 | 19° 4 | 24°56 | 16°22 | 19°19 | 5°55 | 16°32 | 22°59 | 11°R38 | 10°53 | 5° 6 | 10°47 | W10 |
| T 11 | 7 47 18 | 27°46'34 | 29°13 | 4°10 | 20°19 | 25° 3 | 16°34 | 19°22 | 5°58 | 16°33 | 22°59 | 11°37 | 10°49 | 5°13 | 10°49 | T 11 |
| F 12 | 7 51 14 | 28°47'28 | 12♌35 | 5°56 | 21°34 | 25° 9 | 16°46 | 19°25 | 6° 0 | 16°34 | 22°58 | 11°36 | 10°46 | 5°20 | 10°50 | F 12 |
| S 13 | 7 55 11 | 29°48'21 | 26°13 | 7°42 | 22°50 | 25°15 | 16°58 | 19°28 | 6° 3 | 16°35 | 22°58 | 11°33 | 10°43 | 5°26 | 10°52 | S 13 |
| S 14 | 7 59 7 | 0♒49'13 | 10♍ 3 | 9°29 | 24° 5 | 25°20 | 17°10 | 19°32 | 6° 5 | 16°36 | 22°57 | 11°31 | 10°40 | 5°33 | 10°54 | S 14 |
| M15 | 8 3 4 | 1°50'04 | 24° 2 | 11°15 | 25°20 | 25°24 | 17°22 | 19°35 | 6° 8 | 16°37 | 22°57 | 11°28 | 10°37 | 5°40 | 10°55 | M15 |
| T 16 | 8 7 1 | 2°50'54 | 8♎ 9 | 13° 2 | 26°35 | 25°28 | 17°34 | 19°38 | 6°10 | 16°38 | 22°57 | 11°25 | 10°34 | 5°46 | 10°57 | T 16 |
| W17 | 8 10 57 | 3°51'43 | 22°18 | 14°48 | 27°51 | 25°31 | 17°46 | 19°42 | 6°12 | 16°38 | 22°56 | 11°24 | 10°30 | 5°53 | 10°59 | W17 |
| T 18 | 8 14 54 | 4°52'31 | 6♏29 | 16°34 | 29° 6 | 25°33 | 17°59 | 19°46 | 6°15 | 16°39 | 22°56 | 11°D24 | 10°27 | 6° 0 | 11° 1 | T 18 |
| F 19 | 8 18 50 | 5°53'18 | 20°39 | 18°19 | 0♒21 | 25°35 | 18°11 | 19°49 | 6°17 | 16°40 | 22°56 | 11°24 | 10°24 | 6° 7 | 11° 3 | F 19 |
| S 20 | 8 22 47 | 6°54'04 | 4♐46 | 20° 4 | 1°36 | 25°36 | 18°24 | 19°53 | 6°19 | 16°41 | 22°56 | 11°25 | 10°21 | 6°13 | 11° 4 | S 20 |
| S 21 | 8 26 43 | 7°54'49 | 18°48 | 21°47 | 2°52 | 25°R36 | 18°37 | 19°57 | 6°22 | 16°41 | 22°56 | 11°27 | 10°18 | 6°20 | 11° 6 | S 21 |
| M22 | 8 30 40 | 8°55'33 | 2♉44 | 23°29 | 4° 7 | 25°35 | 18°49 | 20° 1 | 6°24 | 16°42 | 22°55 | 11°28 | 10°14 | 6°27 | 11° 9 | M22 |
| T 23 | 8 34 36 | 9°56'16 | 16°31 | 25° 8 | 5°22 | 25°33 | 19° 2 | 20° 5 | 6°26 | 16°43 | 22°55 | 11°R28 | 10°11 | 6°33 | 11°11 | T 23 |
| W24 | 8 38 33 | 10°56'58 | 0♒ 7 | 26°45 | 6°37 | 25°31 | 19°15 | 20°10 | 6°28 | 16°43 | 22°55 | 11°27 | 10° 8 | 6°40 | 11°13 | W24 |
| T 25 | 8 42 30 | 11°57'38 | 13°30 | 28°19 | 7°52 | 25°28 | 19°28 | 20°14 | 6°30 | 16°44 | 22°55 | 11°24 | 10° 5 | 6°47 | 11°15 | T 25 |
| F 26 | 8 46 26 | 12°58'16 | 26°38 | 29°50 | 9° 7 | 25°24 | 19°41 | 20°18 | 6°32 | 16°44 | 22°55 | 11°20 | 10° 2 | 6°54 | 11°17 | F 26 |
| S 27 | 8 50 23 | 13°58'53 | 9♓29 | 1♓16 | 10°23 | 25°20 | 19°54 | 20°23 | 6°34 | 16°45 | 22°55 | 11°14 | 9°59 | 7° 0 | 11°19 | S 27 |
| S 28 | 8 54 19 | 14°59'28 | 22° 5 | 2°38 | 11°38 | 25°14 | 20° 7 | 20°27 | 6°36 | 16°45 | 22°55 | 11° 8 | 9°55 | 7° 7 | 11°22 | S 28 |
| M29 | 8 58 16 | 16° 0'02 | 4♈25 | 3°54 | 12°53 | 25° 8 | 20°20 | 20°32 | 6°38 | 16°46 | 22°55 | 11° 2 | 9°52 | 7°14 | 11°24 | M29 |
| T 30 | 9 2 12 | 17° 0'33 | 16°33 | 5° 4 | 14° 8 | 25° 1 | 20°34 | 20°37 | 6°39 | 16°46 | 22°D55 | 10°57 | 9°49 | 7°20 | 11°27 | T 30 |
| W31 | 9 6 9 | 18♒ 1'03 | 28♈30 | 6♓ 7 | 15♒23 | 24♍54 | 20♓47 | 20♈42 | 6♐41 | 16♏46 | 22♉55 | 10♋53 | 9♋46 | 7♉27 | 11♈29 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s23 | 6s 1 | 5s 6 | 24s26 | 1s59 | 23s43 | 0s23 | 5n25 | 3n 4 | 7s12 | 1s14 | 5n 8 | 2s30 | 21s14 | 0n 5 | 15s 6 | 1n47 | 6n34 | 12s26 | 23n 3 | 23n 4 | 8n28 | 5n49 | 1n45 |
| T 2 | 22 15 | 1 22 | 5 17 | 24 15 | 2 1 | 23 40 | 0 26 | 5 22 | 3 5 | 7 7 | 1 13 | 5 9 | 2 30 | 21 15 | 0 5 | 15 6 | 1 47 | 6 35 | 12 26 | 23 3 | 23 4 | 8 31 | 5 50 | 1 45 |
| W 3 | 22 6 | 3n17 | 5 13 | 24 1 | 2 2 | 23 37 | 0 28 | 5 19 | 3 7 | 7 3 | 1 13 | 5 10 | 2 30 | 21 16 | 0 5 | 15 7 | 1 47 | 6 35 | 12 25 | 23 3 | 23 4 | 8 33 | 5 50 | 1 45 |
| T 4 | 21 57 | 7 47 | 4 56 | 23 46 | 2 3 | 23 33 | 0 30 | 5 16 | 3 8 | 6 59 | 1 13 | 5 11 | 2 29 | 21 16 | 0 5 | 15 7 | 1 47 | 6 35 | 12 25 | 23 3 | 23 5 | 8 36 | 5 50 | 1 45 |
| F 5 | 21 48 | 12 0 | 4 26 | 23 29 | 2 4 | 23 28 | 0 33 | 5 13 | 3 10 | 6 54 | 1 13 | 5 13 | 2 29 | 21 17 | 0 5 | 15 7 | 1 47 | 6 35 | 12 25 | 23 3 | 23 5 | 8 39 | 5 51 | 1 44 |
| S 6 | 21 38 | 15 47 | 3 45 | 23 11 | 2 4 | 23 23 | 0 35 | 5 10 | 3 11 | 6 49 | 1 13 | 5 14 | 2 29 | 21 17 | 0 5 | 15 8 | 1 47 | 6 35 | 12 25 | 23 3 | 23 5 | 8 41 | 5 51 | 1 44 |
| S 7 | 21 27 | 18 58 | 2 53 | 22 51 | 2 4 | 23 17 | 0 37 | 5 8 | 3 13 | 6 45 | 1 13 | 5 15 | 2 29 | 21 18 | 0 5 | 15 8 | 1 47 | 6 35 | 12 24 | 23 2 | 23 5 | 8 44 | 5 51 | 1 44 |
| M 8 | 21 17 | 21 21 | 1 53 | 22 29 | 2 3 | 23 10 | 0 39 | 5 6 | 3 14 | 6 40 | 1 12 | 5 16 | 2 28 | 21 18 | 0 5 | 15 8 | 1 47 | 6 35 | 12 24 | 23 2 | 23 6 | 8 46 | 5 52 | 1 44 |
| T 9 | 21 6 | 22 45 | 0 46 | 22 5 | 2 2 | 23 2 | 0 41 | 5 4 | 3 16 | 6 35 | 1 12 | 5 18 | 2 28 | 21 19 | 0 5 | 15 8 | 1 47 | 6 36 | 12 24 | 23 2 | 23 6 | 8 49 | 5 52 | 1 44 |
| W10 | 20 54 | 22 59 | 0n25 | 21 40 | 2 0 | 22 54 | 0 43 | 5 2 | 3 17 | 6 31 | 1 12 | 5 19 | 2 28 | 21 19 | 0 5 | 15 9 | 1 47 | 6 36 | 12 24 | 23 2 | 23 6 | 8 51 | 5 52 | 1 44 |
| T 11 | 20 42 | 21 58 | 1 36 | 21 13 | 1 58 | 22 45 | 0 45 | 5 1 | 3 19 | 6 26 | 1 12 | 5 20 | 2 27 | 21 19 | 0 5 | 15 9 | 1 47 | 6 36 | 12 23 | 23 2 | 23 6 | 8 54 | 5 53 | 1 43 |
| F 12 | 20 30 | 19 42 | 2 43 | 20 44 | 1 55 | 22 35 | 0 47 | 5 0 | 3 20 | 6 21 | 1 12 | 5 22 | 2 27 | 21 20 | 0 5 | 15 9 | 1 47 | 6 36 | 12 23 | 23 2 | 23 7 | 8 57 | 5 53 | 1 43 |
| S 13 | 20 17 | 16 19 | 3 42 | 20 14 | 1 52 | 22 25 | 0 49 | 4 59 | 3 22 | 6 16 | 1 12 | 5 23 | 2 27 | 21 20 | 0 5 | 15 9 | 1 47 | 6 36 | 12 23 | 23 3 | 23 7 | 8 59 | 5 54 | 1 43 |
| S 14 | 20 4 | 11 59 | 4 29 | 19 42 | 1 48 | 22 14 | 0 51 | 4 58 | 3 23 | 6 11 | 1 12 | 5 25 | 2 27 | 21 21 | 0 5 | 15 10 | 1 47 | 6 36 | 12 22 | 23 3 | 23 7 | 9 2 | 5 54 | 1 43 |
| M15 | 19 51 | 6 58 | 5 0 | 19 8 | 1 43 | 22 2 | 0 53 | 4 58 | 3 25 | 6 7 | 1 11 | 5 26 | 2 26 | 21 21 | 0 5 | 15 10 | 1 47 | 6 37 | 12 22 | 23 3 | 23 7 | 9 4 | 5 55 | 1 43 |
| T 16 | 19 37 | 1 34 | 5 14 | 18 33 | 1 38 | 21 50 | 0 55 | 4 58 | 3 26 | 6 2 | 1 11 | 5 28 | 2 26 | 21 22 | 0 5 | 15 10 | 1 48 | 6 37 | 12 22 | 23 3 | 23 8 | 9 7 | 5 55 | 1 43 |
| W17 | 19 23 | 3s56 | 5 9 | 17 56 | 1 32 | 21 37 | 0 57 | 4 58 | 3 28 | 5 57 | 1 11 | 5 29 | 2 26 | 21 22 | 0 5 | 15 10 | 1 48 | 6 37 | 12 22 | 23 3 | 23 8 | 9 9 | 5 56 | 1 42 |
| T 18 | 19 8 | 9 15 | 4 45 | 17 18 | 1 25 | 21 23 | 0 58 | 4 59 | 3 29 | 5 52 | 1 11 | 5 31 | 2 26 | 21 22 | 0 5 | 15 10 | 1 48 | 6 37 | 12 21 | 23 4 | 23 8 | 9 12 | 5 57 | 1 42 |
| F 19 | 18 53 | 14 4 | 4 4 | 16 38 | 1 18 | 21 9 | 1 0 | 4 59 | 3 31 | 5 47 | 1 11 | 5 33 | 2 25 | 21 23 | 0 5 | 15 10 | 1 48 | 6 37 | 12 21 | 23 3 | 23 8 | 9 14 | 5 57 | 1 42 |
| S 20 | 18 38 | 18 6 | 3 8 | 15 58 | 1 10 | 20 54 | 1 2 | 5 0 | 3 32 | 5 42 | 1 11 | 5 34 | 2 25 | 21 23 | 0 5 | 15 11 | 1 48 | 6 38 | 12 21 | 23 3 | 23 9 | 9 17 | 5 58 | 1 42 |
| S 21 | 18 22 | 21 4 | 2 1 | 15 16 | 1 1 | 20 38 | 1 3 | 5 2 | 3 34 | 5 37 | 1 11 | 5 36 | 2 25 | 21 24 | 0 5 | 15 11 | 1 48 | 6 38 | 12 20 | 23 3 | 23 9 | 9 19 | 5 59 | 1 42 |
| M22 | 18 7 | 22 43 | 0 48 | 14 34 | 0 51 | 20 22 | 1 5 | 5 3 | 3 35 | 5 31 | 1 11 | 5 38 | 2 25 | 21 24 | 0 5 | 15 11 | 1 48 | 6 38 | 12 20 | 23 3 | 23 9 | 9 22 | 5 59 | 1 42 |
| T 23 | 17 50 | 22 59 | 0s28 | 13 51 | 0 41 | 20 5 | 1 7 | 5 5 | 3 37 | 5 26 | 1 10 | 5 40 | 2 24 | 21 24 | 0 5 | 15 11 | 1 48 | 6 38 | 12 20 | 23 3 | 23 9 | 9 25 | 6 0 | 1 42 |
| W24 | 17 34 | 21 51 | 1 40 | 13 7 | 0 30 | 19 48 | 1 8 | 5 7 | 3 38 | 5 21 | 1 10 | 5 42 | 2 24 | 21 25 | 0 5 | 15 11 | 1 48 | 6 39 | 12 20 | 23 3 | 23 10 | 9 27 | 6 1 | 1 41 |
| T 25 | 17 17 | 19 30 | 2 46 | 12 24 | 0 18 | 19 30 | 1 9 | 5 10 | 3 39 | 5 16 | 1 10 | 5 43 | 2 24 | 21 25 | 0 5 | 15 11 | 1 48 | 6 39 | 12 19 | 23 3 | 23 10 | 9 30 | 6 1 | 1 41 |
| F 26 | 17 0 | 16 10 | 3 42 | 11 40 | 0 5 | 19 12 | 1 11 | 5 12 | 3 41 | 5 11 | 1 10 | 5 45 | 2 23 | 21 25 | 0 5 | 15 11 | 1 48 | 6 39 | 12 19 | 23 4 | 23 10 | 9 32 | 6 2 | 1 41 |
| S 27 | 16 43 | 12 8 | 4 25 | 10 57 | 0n 8 | 18 53 | 1 12 | 5 16 | 3 42 | 5 5 | 1 10 | 5 47 | 2 23 | 21 26 | 0 5 | 15 11 | 1 48 | 6 39 | 12 19 | 23 4 | 23 10 | 9 35 | 6 3 | 1 41 |
| S 28 | 16 25 | 7 39 | 4 54 | 10 15 | 0 22 | 18 33 | 1 13 | 5 19 | 3 43 | 5 0 | 1 10 | 5 49 | 2 23 | 21 26 | 0 5 | 15 11 | 1 48 | 6 40 | 12 18 | 23 5 | 23 11 | 9 37 | 6 4 | 1 41 |
| M29 | 16 7 | 2 58 | 5 9 | 9 34 | 0 36 | 18 13 | 1 15 | 5 22 | 3 45 | 4 55 | 1 10 | 5 51 | 2 23 | 21 26 | 0 5 | 15 12 | 1 48 | 6 40 | 12 18 | 23 5 | 23 11 | 9 40 | 6 4 | 1 41 |
| T 30 | 15 49 | 1n46 | 5 10 | 8 55 | 0 51 | 17 52 | 1 16 | 5 26 | 3 46 | 4 49 | 1 10 | 5 53 | 2 22 | 21 27 | 0 5 | 15 12 | 1 48 | 6 40 | 12 18 | 23 6 | 23 11 | 9 42 | 6 5 | 1 41 |
| W31 | 15s30 | 6n22 | 4s57 | 8s17 | 1n 6 | 17s31 | 1s17 | 5n31 | 3n47 | 4s44 | 1s10 | 5n55 | 2s22 | 21s27 | 0n 5 | 15s12 | 1n48 | 6n41 | 12s18 | 23n 6 | 23n11 | 9n45 | 6n 6 | 1n40 |

Julian Day Number = 2139269.5, Delta T = 15m31s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'11, Lahiri = 11°56'12 Julian Calendar 1 Jan. 1145 == Greg. Calendar 8 Jan. 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## FEBRUARY 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 10 5 | 19♒ 1'31 | 10♉23 | 7♓ 2 | 16♒38 | 24°R45 | 21♓ 0 | 20♈46 | 6♐43 | 16♏47 | 22♉55 | 10°R51 | 9♋43 | 7♉34 | 11♈31 | T 1 |
| F 2 | 9 14 2 | 20° 1'57 | 22°14 | 7°49 | 17°53 | 24♍36 | 21°14 | 20°51 | 6°45 | 16°47 | 22°55 | 10°D51 | 9°40 | 7°40 | 11°34 | F 2 |
| S 3 | 9 17 59 | 21° 2'21 | 4♊ 9 | 8°28 | 19° 8 | 24°26 | 21°27 | 20°57 | 6°46 | 16°47 | 22°55 | 10♋52 | 9°36 | 7°47 | 11°37 | S 3 |
| S 4 | 9 21 55 | 22° 2'43 | 16°14 | 8°57 | 20°23 | 24°15 | 21°41 | 21° 2 | 6°48 | 16°48 | 22°55 | 10°53 | 9°33 | 7°54 | 11°39 | S 4 |
| M 5 | 9 25 52 | 23° 3'03 | 28°32 | 9°17 | 21°38 | 24° 4 | 21°54 | 21° 7 | 6°49 | 16°48 | 22°55 | 10°55 | 9°30 | 8° 1 | 11°42 | M 5 |
| T 6 | 9 29 48 | 24° 3'22 | 11♋ 9 | 9°27 | 22°53 | 23°51 | 22° 8 | 21°12 | 6°51 | 16°48 | 22°55 | 10°R55 | 9°27 | 8° 7 | 11°44 | T 6 |
| W 7 | 9 33 45 | 25° 3'38 | 24° 7 | 9°R27 | 24° 8 | 23°38 | 22°22 | 21°18 | 6°52 | 16°48 | 22°55 | 10°55 | 9°24 | 8°14 | 11°47 | W 7 |
| T 8 | 9 37 41 | 26° 3'52 | 7♌29 | 9°18 | 25°23 | 23°25 | 22°35 | 21°23 | 6°53 | 16°48 | 22°56 | 10°52 | 9°20 | 8°21 | 11°50 | T 8 |
| F 9 | 9 41 38 | 27° 4'05 | 21°13 | 8°59 | 26°38 | 23°10 | 22°49 | 21°28 | 6°55 | 16°48 | 22°56 | 10°47 | 9°17 | 8°27 | 11°53 | F 9 |
| S 10 | 9 45 34 | 28° 4'15 | 5♍17 | 8°31 | 27°53 | 22°55 | 23° 3 | 21°34 | 6°56 | 16°R48 | 22°56 | 10°40 | 9°14 | 8°34 | 11°56 | S 10 |
| S 11 | 9 49 31 | 29° 4'24 | 19°36 | 7°55 | 29° 8 | 22°39 | 23°17 | 21°40 | 6°57 | 16°48 | 22°56 | 10°32 | 9°11 | 8°41 | 11°58 | S 11 |
| M12 | 9 53 28 | 0♓ 4'30 | 4♎ 5 | 7°12 | 0♓23 | 22°22 | 23°31 | 21°45 | 6°58 | 16°48 | 22°57 | 10°24 | 9° 8 | 8°48 | 12° 1 | M12 |
| T 13 | 9 57 24 | 1° 4'35 | 18°37 | 6°22 | 1°38 | 22° 5 | 23°45 | 21°51 | 6°59 | 16°48 | 22°57 | 10°17 | 9° 5 | 8°54 | 12° 4 | T 13 |
| W14 | 10 1 21 | 2° 4'39 | 3♏ 6 | 5°28 | 2°53 | 21°47 | 23°59 | 21°57 | 7° 1 | 16°48 | 22°57 | 10°11 | 9° 1 | 9° 1 | 12° 7 | W14 |
| T 15 | 10 5 17 | 3° 4'41 | 17°27 | 4°30 | 4° 8 | 21°29 | 24°13 | 22° 3 | 7° 2 | 16°48 | 22°58 | 10° 8 | 8°58 | 9° 8 | 12°10 | T 15 |
| F 16 | 10 9 14 | 4° 4'41 | 1♐37 | 3°31 | 5°22 | 21°10 | 24°27 | 22° 9 | 7° 2 | 16°48 | 22°58 | 10°D 7 | 8°55 | 9°14 | 12°13 | F 16 |
| S 17 | 10 13 10 | 5° 4'40 | 15°35 | 2°30 | 6°37 | 20°50 | 24°41 | 22°15 | 7° 3 | 16°47 | 22°58 | 10° 7 | 8°52 | 9°21 | 12°16 | S 17 |
| S 18 | 10 17 7 | 6° 4'37 | 29°21 | 1°30 | 7°52 | 20°30 | 24°55 | 22°21 | 7° 4 | 16°47 | 22°59 | 10° 8 | 8°49 | 9°28 | 12°19 | S 18 |
| M19 | 10 21 3 | 7° 4'32 | 12♑54 | 0°32 | 9° 7 | 20° 9 | 25° 9 | 22°27 | 7° 5 | 16°47 | 22°59 | 10°R 9 | 8°46 | 9°34 | 12°23 | M19 |
| T 20 | 10 25 0 | 8° 4'26 | 26°16 | 29♒37 | 10°22 | 19°48 | 25°23 | 22°34 | 7° 6 | 16°47 | 23° 0 | 10° 7 | 8°42 | 9°41 | 12°26 | T 20 |
| W21 | 10 28 57 | 9° 4'18 | 9♒27 | 28°47 | 11°36 | 19°27 | 25°37 | 22°40 | 7° 6 | 16°46 | 23° 0 | 10° 4 | 8°39 | 9°48 | 12°29 | W21 |
| T 22 | 10 32 53 | 10° 4'08 | 22°26 | 28° 1 | 12°51 | 19° 5 | 25°52 | 22°46 | 7° 7 | 16°46 | 23° 1 | 9°57 | 8°36 | 9°55 | 12°32 | T 22 |
| F 23 | 10 36 50 | 11° 3'56 | 5♓15 | 27°20 | 14° 6 | 18°42 | 26° 6 | 22°53 | 7° 8 | 16°45 | 23° 1 | 9°48 | 8°33 | 10° 1 | 12°35 | F 23 |
| S 24 | 10 40 46 | 12° 3'42 | 17°52 | 26°46 | 15°21 | 18°20 | 26°20 | 22°59 | 7° 8 | 16°45 | 23° 2 | 9°37 | 8°30 | 10° 8 | 12°38 | S 24 |
| S 25 | 10 44 43 | 13° 3'26 | 0♈17 | 26°17 | 16°35 | 17°57 | 26°34 | 23° 6 | 7° 9 | 16°45 | 23° 2 | 9°25 | 8°26 | 10°15 | 12°42 | S 25 |
| M26 | 10 48 39 | 14° 3'08 | 12°31 | 25°55 | 17°50 | 17°34 | 26°49 | 23°12 | 7° 9 | 16°44 | 23° 3 | 9°13 | 8°23 | 10°21 | 12°45 | M26 |
| T 27 | 10 52 36 | 15° 2'47 | 24°35 | 25°39 | 19° 5 | 17°11 | 27° 3 | 23°19 | 7° 9 | 16°43 | 23° 3 | 9° 2 | 8°20 | 10°28 | 12°48 | T 27 |
| W28 | 10 56 32 | 16♓ 2'25 | 6♉30 | 25♒29 | 20♓19 | 16♍47 | 27♓17 | 23♈25 | 7♐10 | 16♏43 | 23♉ 4 | 8♋53 | 8♋17 | 10♉35 | 12♈52 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s11 | 10n43 | 4s31 | 7s42 | 1n22 | 17s10 | 1s18 | 5n35 | 3n48 | 4s39 | 1s 9 | 5n57 | 2s22 | 21s27 | 0n 5 | 15s12 | 1n48 | 6n41 | 12s17 | 23n 6 | 23n12 | 9n47 | 6n 7 | 1n40 |
| F 2 | 14 52 | 14 39 | 3 54 | 7 10 | 1 37 | 16 47 | 1 19 | 5 40 | 3 49 | 4 33 | 1 9 | 5 59 | 2 22 | 21 28 | 0 5 | 15 12 | 1 49 | 6 41 | 12 17 | 23 6 | 23 12 | 9 50 | 6 8 | 1 40 |
| S 3 | 14 33 | 18 1 | 3 6 | 6 42 | 1 53 | 16 25 | 1 20 | 5 45 | 3 51 | 4 28 | 1 9 | 6 1 | 2 22 | 21 28 | 0 5 | 15 12 | 1 49 | 6 41 | 12 17 | 23 6 | 23 12 | 9 53 | 6 9 | 1 40 |
| S 4 | 14 14 | 20 41 | 2 10 | 6 16 | 2 8 | 16 2 | 1 21 | 5 50 | 3 52 | 4 22 | 1 9 | 6 4 | 2 21 | 21 28 | 0 5 | 15 12 | 1 49 | 6 42 | 12 16 | 23 6 | 23 12 | 9 55 | 6 10 | 1 40 |
| M 5 | 13 54 | 22 26 | 1 7 | 5 55 | 2 23 | 15 38 | 1 21 | 5 55 | 3 53 | 4 17 | 1 9 | 6 6 | 2 21 | 21 28 | 0 5 | 15 12 | 1 49 | 6 42 | 12 16 | 23 6 | 23 12 | 9 58 | 6 10 | 1 40 |
| T 6 | 13 34 | 23 6 | 0n 1 | 5 38 | 2 37 | 15 14 | 1 22 | 6 1 | 3 53 | 4 11 | 1 9 | 6 8 | 2 21 | 21 29 | 0 5 | 15 12 | 1 49 | 6 42 | 12 16 | 23 6 | 23 13 | 10 0 | 6 11 | 1 40 |
| W 7 | 13 14 | 22 33 | 1 11 | 5 25 | 2 51 | 14 50 | 1 23 | 6 7 | 3 54 | 4 6 | 1 9 | 6 10 | 2 21 | 21 29 | 0 5 | 15 12 | 1 49 | 6 43 | 12 15 | 23 6 | 23 13 | 10 3 | 6 12 | 1 39 |
| T 8 | 12 53 | 20 43 | 2 19 | 5 17 | 3 3 | 14 25 | 1 23 | 6 13 | 3 55 | 4 0 | 1 9 | 6 12 | 2 20 | 21 29 | 0 5 | 15 12 | 1 49 | 6 43 | 12 15 | 23 6 | 23 13 | 10 5 | 6 13 | 1 39 |
| F 9 | 12 33 | 17 39 | 3 20 | 5 14 | 3 15 | 14 0 | 1 24 | 6 20 | 3 56 | 3 55 | 1 9 | 6 15 | 2 20 | 21 29 | 0 4 | 15 12 | 1 49 | 6 43 | 12 15 | 23 7 | 23 13 | 10 8 | 6 14 | 1 39 |
| S 10 | 12 12 | 13 30 | 4 11 | 5 15 | 3 24 | 13 35 | 1 24 | 6 27 | 3 57 | 3 49 | 1 9 | 6 17 | 2 20 | 21 30 | 0 4 | 15 12 | 1 49 | 6 44 | 12 15 | 23 7 | 23 14 | 10 10 | 6 15 | 1 39 |
| S 11 | 11 51 | 8 31 | 4 47 | 5 21 | 3 32 | 13 9 | 1 25 | 6 34 | 3 57 | 3 44 | 1 9 | 6 19 | 2 20 | 21 30 | 0 4 | 15 12 | 1 49 | 6 44 | 12 14 | 23 8 | 23 14 | 10 13 | 6 16 | 1 39 |
| M12 | 11 30 | 3 2 | 5 5 | 5 32 | 3 38 | 12 43 | 1 25 | 6 41 | 3 58 | 3 38 | 1 9 | 6 22 | 2 20 | 21 30 | 0 4 | 15 11 | 1 49 | 6 44 | 12 14 | 23 8 | 23 14 | 10 15 | 6 17 | 1 39 |
| T 13 | 11 8 | 2s39 | 5 4 | 5 46 | 3 43 | 12 16 | 1 25 | 6 48 | 3 58 | 3 33 | 1 9 | 6 24 | 2 19 | 21 30 | 0 4 | 15 11 | 1 49 | 6 45 | 12 14 | 23 9 | 23 14 | 10 18 | 6 18 | 1 39 |
| W14 | 10 47 | 8 10 | 4 43 | 6 4 | 3 45 | 11 50 | 1 26 | 6 55 | 3 59 | 3 27 | 1 8 | 6 26 | 2 19 | 21 30 | 0 4 | 15 11 | 1 49 | 6 45 | 12 13 | 23 9 | 23 14 | 10 20 | 6 19 | 1 39 |
| T 15 | 10 25 | 13 13 | 4 4 | 6 25 | 3 45 | 11 22 | 1 26 | 7 3 | 3 59 | 3 21 | 1 8 | 6 29 | 2 19 | 21 31 | 0 4 | 15 11 | 1 49 | 6 46 | 12 13 | 23 10 | 23 15 | 10 23 | 6 20 | 1 38 |
| F 16 | 10 4 | 17 27 | 3 11 | 6 48 | 3 43 | 10 55 | 1 26 | 7 11 | 3 59 | 3 16 | 1 8 | 6 31 | 2 19 | 21 31 | 0 4 | 15 11 | 1 49 | 6 46 | 12 13 | 23 10 | 23 15 | 10 25 | 6 22 | 1 38 |
| S 17 | 9 42 | 20 39 | 2 8 | 7 14 | 3 38 | 10 27 | 1 26 | 7 19 | 3 59 | 3 10 | 1 8 | 6 34 | 2 19 | 21 31 | 0 4 | 15 11 | 1 49 | 6 46 | 12 13 | 23 10 | 23 15 | 10 28 | 6 23 | 1 38 |
| S 18 | 9 19 | 22 35 | 0 58 | 7 41 | 3 32 | 9 59 | 1 26 | 7 27 | 3 59 | 3 4 | 1 8 | 6 36 | 2 18 | 21 31 | 0 4 | 15 11 | 1 49 | 6 47 | 12 12 | 23 10 | 23 15 | 10 31 | 6 24 | 1 38 |
| M19 | 8 57 | 23 10 | 0s15 | 8 9 | 3 24 | 9 31 | 1 26 | 7 35 | 3 59 | 2 59 | 1 8 | 6 38 | 2 18 | 21 31 | 0 4 | 15 11 | 1 50 | 6 47 | 12 12 | 23 10 | 23 16 | 10 33 | 6 25 | 1 38 |
| T 20 | 8 35 | 22 23 | 1 25 | 8 37 | 3 15 | 9 2 | 1 26 | 7 43 | 3 59 | 2 53 | 1 8 | 6 41 | 2 18 | 21 31 | 0 4 | 15 11 | 1 50 | 6 47 | 12 12 | 23 10 | 23 16 | 10 36 | 6 26 | 1 38 |
| W21 | 8 12 | 20 23 | 2 30 | 9 5 | 3 4 | 8 33 | 1 25 | 7 51 | 3 59 | 2 47 | 1 8 | 6 43 | 2 18 | 21 31 | 0 4 | 15 10 | 1 50 | 6 48 | 12 11 | 23 10 | 23 16 | 10 38 | 6 27 | 1 38 |
| T 22 | 7 50 | 17 20 | 3 26 | 9 32 | 2 52 | 8 4 | 1 25 | 8 0 | 3 59 | 2 42 | 1 8 | 6 46 | 2 18 | 21 32 | 0 4 | 15 10 | 1 50 | 6 48 | 12 11 | 23 10 | 23 16 | 10 41 | 6 28 | 1 38 |
| F 23 | 7 27 | 13 30 | 4 10 | 9 58 | 2 39 | 7 35 | 1 25 | 8 8 | 3 58 | 2 36 | 1 8 | 6 48 | 2 17 | 21 32 | 0 4 | 15 10 | 1 50 | 6 49 | 12 11 | 23 11 | 23 16 | 10 43 | 6 29 | 1 37 |
| S 24 | 7 4 | 9 8 | 4 41 | 10 22 | 2 25 | 7 6 | 1 24 | 8 17 | 3 58 | 2 30 | 1 8 | 6 51 | 2 17 | 21 32 | 0 4 | 15 10 | 1 50 | 6 49 | 12 11 | 23 12 | 23 17 | 10 46 | 6 31 | 1 37 |
| S 25 | 6 41 | 4 27 | 4 59 | 10 45 | 2 11 | 6 36 | 1 24 | 8 25 | 3 57 | 2 24 | 1 8 | 6 54 | 2 17 | 21 32 | 0 4 | 15 10 | 1 50 | 6 49 | 12 10 | 23 13 | 23 17 | 10 48 | 6 32 | 1 37 |
| M26 | 6 18 | 0n20 | 5 2 | 11 6 | 1 57 | 6 7 | 1 23 | 8 34 | 3 57 | 2 19 | 1 8 | 6 56 | 2 17 | 21 32 | 0 4 | 15 10 | 1 50 | 6 50 | 12 10 | 23 14 | 23 17 | 10 51 | 6 33 | 1 37 |
| T 27 | 5 55 | 5 3 | 4 52 | 11 26 | 1 42 | 5 37 | 1 23 | 8 42 | 3 56 | 2 13 | 1 8 | 6 59 | 2 17 | 21 32 | 0 4 | 15 9 | 1 50 | 6 50 | 12 10 | 23 14 | 23 17 | 10 53 | 6 34 | 1 37 |
| W28 | 5s32 | 9n31 | 4s29 | 11s43 | 1n27 | 5s 7 | 1s22 | 8n50 | 3n55 | 2s 7 | 1s 8 | 7n 1 | 2s17 | 21s32 | 0n 4 | 15s 9 | 1n50 | 6n51 | 12s 9 | 23n15 | 23n17 | 10n56 | 6n35 | 1n37 |

Julian Day Number = 2139300.5, Delta T = 15m31s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'16, Lahiri = 11°56'16 Julian Calendar 1 Feb. 1145 == Greg. Calendar 8 Feb. 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## MARCH 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 0 29 | 17♓ 2'00 | 18♉21 | 25°D26 | 21♓34 | 16°R24 | 27♓32 | 23♈32 | 7♐10 | 16°R42 | 23♉ 5 | 8°R47 | 8♋14 | 10♉41 | 12♈55 | T 1 |
| F 2 | 11 4 25 | 18° 1'33 | 0♊11 | 25♒28 | 22°49 | 16♍ 0 | 27°46 | 23°39 | 7°10 | 16♏42 | 23° 5 | 8♋43 | 8°11 | 10°48 | 12°58 | F 2 |
| S 3 | 11 8 22 | 19° 1'04 | 12° 4 | 25°36 | 24° 3 | 15°37 | 28° 1 | 23°46 | 7°10 | 16°41 | 23° 6 | 8°41 | 8° 7 | 10°55 | 13° 2 | S 3 |
| S 4 | 11 12 19 | 20° 0'32 | 24° 6 | 25°50 | 25°18 | 15°14 | 28°15 | 23°53 | 7°10 | 16°40 | 23° 7 | 8°D41 | 8° 4 | 11° 2 | 13° 5 | S 4 |
| M 5 | 11 16 15 | 20°59'58 | 6♋22 | 26° 8 | 26°32 | 14°50 | 28°29 | 23°59 | 7°R11 | 16°40 | 23° 7 | 8°R42 | 8° 1 | 11° 8 | 13° 9 | M 5 |
| T 6 | 11 20 12 | 21°59'22 | 18°57 | 26°32 | 27°47 | 14°27 | 28°44 | 24° 6 | 7°11 | 16°39 | 23° 8 | 8°41 | 7°58 | 11°15 | 13°12 | T 6 |
| W 7 | 11 24 8 | 22°58'43 | 1♌57 | 27° 0 | 29° 1 | 14° 4 | 28°58 | 24°13 | 7°10 | 16°38 | 23° 9 | 8°39 | 7°55 | 11°22 | 13°16 | W 7 |
| T 8 | 11 28 5 | 23°58'02 | 15°23 | 27°33 | 0♈16 | 13°42 | 29°13 | 24°20 | 7°10 | 16°37 | 23° 9 | 8°35 | 7°52 | 11°28 | 13°19 | T 8 |
| F 9 | 11 32 1 | 24°57'19 | 29°17 | 28°10 | 1°30 | 13°19 | 29°27 | 24°27 | 7°10 | 16°36 | 23°10 | 8°28 | 7°48 | 11°35 | 13°23 | F 9 |
| S 10 | 11 35 58 | 25°56'33 | 13♍38 | 28°51 | 2°45 | 12°57 | 29°42 | 24°35 | 7°10 | 16°36 | 23°11 | 8°18 | 7°45 | 11°42 | 13°26 | S 10 |
| S 11 | 11 39 54 | 26°55'45 | 28°19 | 29°35 | 3°59 | 12°35 | 29°56 | 24°42 | 7°10 | 16°35 | 23°12 | 8° 7 | 7°42 | 11°48 | 13°30 | S 11 |
| M12 | 11 43 51 | 27°54'55 | 13♎13 | 0♓23 | 5°14 | 12°14 | 0♈11 | 24°49 | 7° 9 | 16°34 | 23°13 | 7°56 | 7°39 | 11°55 | 13°33 | M12 |
| T 13 | 11 47 48 | 28°54'03 | 28°12 | 1°15 | 6°28 | 11°53 | 0°25 | 24°56 | 7° 9 | 16°33 | 23°14 | 7°45 | 7°36 | 12° 2 | 13°37 | T 13 |
| W14 | 11 51 44 | 29°53'10 | 13♏ 5 | 2° 9 | 7°42 | 11°32 | 0°40 | 25° 3 | 7° 9 | 16°32 | 23°14 | 7°37 | 7°32 | 12° 9 | 13°41 | W14 |
| T 15 | 11 55 41 | 0♈52'14 | 27°45 | 3° 7 | 8°57 | 11°12 | 0°54 | 25°11 | 7° 8 | 16°31 | 23°15 | 7°32 | 7°29 | 12°15 | 13°44 | T 15 |
| F 16 | 11 59 37 | 1°51'17 | 12♐ 8 | 4° 7 | 10°11 | 10°53 | 1° 9 | 25°18 | 7° 8 | 16°30 | 23°16 | 7°29 | 7°26 | 12°22 | 13°48 | F 16 |
| S 17 | 12 3 34 | 2°50'18 | 26°11 | 5°10 | 11°25 | 10°34 | 1°23 | 25°25 | 7° 7 | 16°29 | 23°17 | 7°28 | 7°23 | 12°29 | 13°51 | S 17 |
| S 18 | 12 7 30 | 3°49'17 | 9♑53 | 6°16 | 12°40 | 10°15 | 1°37 | 25°33 | 7° 6 | 16°28 | 23°18 | 7°28 | 7°20 | 12°35 | 13°55 | S 18 |
| M19 | 12 11 27 | 4°48'14 | 23°17 | 7°24 | 13°54 | 9°58 | 1°52 | 25°40 | 7° 6 | 16°27 | 23°19 | 7°27 | 7°17 | 12°42 | 13°59 | M19 |
| T 20 | 12 15 23 | 5°47'10 | 6♒24 | 8°34 | 15° 8 | 9°41 | 2° 6 | 25°47 | 7° 5 | 16°26 | 23°20 | 7°25 | 7°13 | 12°49 | 14° 2 | T 20 |
| W21 | 12 19 20 | 6°46'04 | 19°17 | 9°46 | 16°22 | 9°24 | 2°21 | 25°55 | 7° 4 | 16°24 | 23°21 | 7°20 | 7°10 | 12°55 | 14° 6 | W21 |
| T 22 | 12 23 17 | 7°44'56 | 1♓58 | 11° 1 | 17°36 | 9° 8 | 2°35 | 26° 2 | 7° 3 | 16°23 | 23°22 | 7°13 | 7° 7 | 13° 2 | 14°10 | T 22 |
| F 23 | 12 27 13 | 8°43'46 | 14°28 | 12°18 | 18°51 | 8°53 | 2°50 | 26°10 | 7° 3 | 16°22 | 23°23 | 7° 2 | 7° 4 | 13° 9 | 14°13 | F 23 |
| S 24 | 12 31 10 | 9°42'34 | 26°49 | 13°37 | 20° 5 | 8°39 | 3° 4 | 26°17 | 7° 2 | 16°21 | 23°24 | 6°49 | 7° 1 | 13°16 | 14°17 | S 24 |
| S 25 | 12 35 6 | 10°41'20 | 9♈ 1 | 14°58 | 21°19 | 8°25 | 3°19 | 26°25 | 7° 1 | 16°20 | 23°25 | 6°35 | 6°57 | 13°22 | 14°21 | S 25 |
| M26 | 12 39 3 | 11°40'04 | 21° 6 | 16°20 | 22°33 | 8°12 | 3°33 | 26°32 | 7° 0 | 16°18 | 23°26 | 6°21 | 6°54 | 13°29 | 14°24 | M26 |
| T 27 | 12 42 59 | 12°38'46 | 3♉ 3 | 17°45 | 23°47 | 8° 0 | 3°47 | 26°40 | 6°59 | 16°17 | 23°27 | 6° 8 | 6°51 | 13°36 | 14°28 | T 27 |
| W28 | 12 46 56 | 13°37'26 | 14°55 | 19°11 | 25° 1 | 7°49 | 4° 2 | 26°48 | 6°58 | 16°16 | 23°28 | 5°57 | 6°48 | 13°42 | 14°32 | W28 |
| T 29 | 12 50 52 | 14°36'04 | 26°44 | 20°39 | 26°15 | 7°38 | 4°16 | 26°55 | 6°56 | 16°15 | 23°29 | 5°49 | 6°45 | 13°49 | 14°35 | T 29 |
| F 30 | 12 54 49 | 15°34'40 | 8♊33 | 22° 9 | 27°29 | 7°29 | 4°30 | 27° 3 | 6°55 | 16°13 | 23°30 | 5°44 | 6°42 | 13°56 | 14°39 | F 30 |
| S 31 | 12 58 45 | 16♈33'14 | 20♊25 | 23♓41 | 28♈43 | 7♍20 | 4♈45 | 27♈11 | 6♐54 | 16♏12 | 23♉31 | 5♋41 | 6♋38 | 14♉ 2 | 14♈43 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 5s 9 | 13n37 | 3s54 | 11s58 | 1n13 | 4s36 | 1s21 | 8n59 | 3n54 | 2s 1 | 1s 8 | 7n 4 | 2s16 | 21s32 | 0n 4 | 15s 9 | 1n50 | 6n51 | 12s 9 | 23n15 | 23n18 | 10n58 | 6n37 | 1n37 | |
| F 2 | 4 45 | 17 12 | 3 10 | 12 11 | 0 58 | 4 6 | 1 21 | 9 7 | 3 53 | 1 56 | 1 8 | 7 7 | 2 16 | 21 32 | 0 4 | 15 9 | 1 50 | 6 51 | 12 9 | 23 16 | 23 18 | 11 1 | 6 38 | 1 37 | |
| S 3 | 4 22 | 20 5 | 2 17 | 12 21 | 0 44 | 3 36 | 1 20 | 9 15 | 3 52 | 1 50 | 1 8 | 7 9 | 2 16 | 21 32 | 0 4 | 15 8 | 1 50 | 6 52 | 12 9 | 23 16 | 23 18 | 11 3 | 6 39 | 1 37 | |
| S 4 | 3 58 | 22 8 | 1 17 | 12 30 | 0 30 | 3 5 | 1 19 | 9 23 | 3 50 | 1 44 | 1 8 | 7 12 | 2 16 | 21 32 | 0 4 | 15 8 | 1 50 | 6 52 | 12 8 | 23 16 | 23 18 | 11 6 | 6 40 | 1 37 | |
| M 5 | 3 35 | 23 11 | 0 12 | 12 36 | 0 17 | 2 34 | 1 18 | 9 31 | 3 49 | 1 38 | 1 8 | 7 15 | 2 16 | 21 32 | 0 4 | 15 8 | 1 50 | 6 53 | 12 8 | 23 16 | 23 18 | 11 8 | 6 42 | 1 36 | |
| T 6 | 3 12 | 23 6 | 0n54 | 12 40 | 0 4 | 2 4 | 1 17 | 9 39 | 3 48 | 1 32 | 1 8 | 7 17 | 2 16 | 21 32 | 0 4 | 15 8 | 1 50 | 6 53 | 12 8 | 23 16 | 23 19 | 11 11 | 6 43 | 1 36 | |
| W 7 | 2 48 | 21 46 | 2 0 | 12 42 | 0s 9 | 1 33 | 1 16 | 9 46 | 3 46 | 1 27 | 1 8 | 7 20 | 2 16 | 21 32 | 0 4 | 15 7 | 1 50 | 6 53 | 12 8 | 23 16 | 23 19 | 11 13 | 6 44 | 1 36 | |
| T 8 | 2 24 | 19 11 | 3 1 | 12 43 | 0 21 | 1 2 | 1 15 | 9 53 | 3 44 | 1 21 | 1 8 | 7 23 | 2 15 | 21 32 | 0 4 | 15 7 | 1 50 | 6 54 | 12 7 | 23 16 | 23 19 | 11 16 | 6 45 | 1 36 | |
| F 9 | 2 1 | 15 25 | 3 54 | 12 41 | 0 33 | 0 31 | 1 13 | 10 1 | 3 43 | 1 15 | 1 8 | 7 25 | 2 15 | 21 32 | 0 4 | 15 7 | 1 50 | 6 54 | 12 7 | 23 17 | 23 19 | 11 18 | 6 47 | 1 36 | |
| S 10 | 1 37 | 10 40 | 4 34 | 12 37 | 0 44 | 0 0 | 1 12 | 10 8 | 3 41 | 1 9 | 1 8 | 7 28 | 2 15 | 21 32 | 0 4 | 15 7 | 1 51 | 6 55 | 12 7 | 23 17 | 23 19 | 11 21 | 6 48 | 1 36 | |
| S 11 | 1 14 | 5 12 | 4 56 | 12 31 | 0 55 | 0n30 | 1 11 | 10 14 | 3 39 | 1 3 | 1 8 | 7 31 | 2 15 | 21 32 | 0 4 | 15 6 | 1 51 | 6 55 | 12 7 | 23 18 | 23 20 | 11 23 | 6 49 | 1 36 | |
| M12 | 0 50 | 0s39 | 4 59 | 12 24 | 1 5 | 1 1 | 1 10 | 10 21 | 3 37 | 0 58 | 1 8 | 7 34 | 2 15 | 21 32 | 0 4 | 15 6 | 1 51 | 6 56 | 12 6 | 23 19 | 23 20 | 11 26 | 6 51 | 1 36 | |
| T 13 | 0 26 | 6 29 | 4 42 | 12 14 | 1 14 | 1 32 | 1 8 | 10 27 | 3 35 | 0 52 | 1 8 | 7 36 | 2 15 | 21 32 | 0 4 | 15 6 | 1 51 | 6 56 | 12 6 | 23 19 | 23 20 | 11 28 | 6 52 | 1 36 | |
| W14 | 0 3 | 11 56 | 4 6 | 12 3 | 1 23 | 2 3 | 1 7 | 10 33 | 3 33 | 0 46 | 1 8 | 7 39 | 2 15 | 21 32 | 0 4 | 15 5 | 1 51 | 6 57 | 12 6 | 23 20 | 23 20 | 11 31 | 6 53 | 1 36 | |
| T 15 | 0n21 | 16 37 | 3 13 | 11 50 | 1 32 | 2 34 | 1 5 | 10 39 | 3 31 | 0 40 | 1 8 | 7 42 | 2 15 | 21 32 | 0 4 | 15 5 | 1 51 | 6 57 | 12 6 | 23 20 | 23 20 | 11 33 | 6 55 | 1 36 | |
| F 16 | 0 44 | 20 13 | 2 10 | 11 35 | 1 40 | 3 5 | 1 4 | 10 44 | 3 29 | 0 34 | 1 8 | 7 45 | 2 14 | 21 32 | 0 4 | 15 5 | 1 51 | 6 57 | 12 5 | 23 20 | 23 20 | 11 36 | 6 56 | 1 35 | |
| S 17 | 1 8 | 22 30 | 0 59 | 11 19 | 1 47 | 3 35 | 1 2 | 10 49 | 3 26 | 0 29 | 1 8 | 7 47 | 2 14 | 21 32 | 0 4 | 15 4 | 1 51 | 6 58 | 12 5 | 23 20 | 23 21 | 11 38 | 6 57 | 1 35 | |
| S 18 | 1 32 | 23 24 | 0s13 | 11 1 | 1 54 | 4 6 | 1 0 | 10 54 | 3 24 | 0 23 | 1 8 | 7 50 | 2 14 | 21 32 | 0 4 | 15 4 | 1 51 | 6 58 | 12 5 | 23 20 | 23 21 | 11 41 | 6 59 | 1 35 | |
| M19 | 1 55 | 22 53 | 1 23 | 10 42 | 2 0 | 4 36 | 0 59 | 10 59 | 3 22 | 0 17 | 1 8 | 7 53 | 2 14 | 21 32 | 0 4 | 15 4 | 1 51 | 6 59 | 12 5 | 23 20 | 23 21 | 11 43 | 7 0 | 1 35 | |
| T 20 | 2 19 | 21 7 | 2 26 | 10 21 | 2 6 | 5 7 | 0 57 | 11 3 | 3 19 | 0 11 | 1 8 | 7 56 | 2 14 | 21 31 | 0 4 | 15 3 | 1 51 | 6 59 | 12 5 | 23 20 | 23 21 | 11 46 | 7 1 | 1 35 | |
| W21 | 2 42 | 18 18 | 3 21 | 9 58 | 2 11 | 5 37 | 0 55 | 11 7 | 3 17 | 0 6 | 1 8 | 7 59 | 2 14 | 21 31 | 0 4 | 15 3 | 1 51 | 7 0 | 12 4 | 23 21 | 23 21 | 11 48 | 7 3 | 1 35 | |
| T 22 | 3 5 | 14 38 | 4 6 | 9 34 | 2 16 | 6 7 | 0 53 | 11 11 | 3 14 | 0n 0 | 1 8 | 8 1 | 2 14 | 21 31 | 0 4 | 15 3 | 1 51 | 7 0 | 12 4 | 23 21 | 23 21 | 11 51 | 7 4 | 1 35 | |
| F 23 | 3 29 | 10 24 | 4 37 | 9 8 | 2 20 | 6 38 | 0 51 | 11 14 | 3 12 | 0 6 | 1 8 | 8 4 | 2 14 | 21 31 | 0 4 | 15 2 | 1 51 | 7 0 | 12 4 | 23 22 | 23 22 | 11 53 | 7 5 | 1 35 | |
| S 24 | 3 52 | 5 47 | 4 55 | 8 41 | 2 24 | 7 7 | 0 49 | 11 17 | 3 9 | 0 12 | 1 8 | 8 7 | 2 14 | 21 31 | 0 4 | 15 2 | 1 51 | 7 1 | 12 4 | 23 22 | 23 22 | 11 56 | 7 7 | 1 35 | |
| S 25 | 4 15 | 0 59 | 4 59 | 8 13 | 2 27 | 7 37 | 0 47 | 11 20 | 3 7 | 0 17 | 1 8 | 8 10 | 2 14 | 21 31 | 0 4 | 15 1 | 1 51 | 7 1 | 12 3 | 23 23 | 23 22 | 11 58 | 7 8 | 1 35 | |
| M26 | 4 38 | 3n47 | 4 50 | 7 43 | 2 30 | 8 7 | 0 45 | 11 22 | 3 4 | 0 23 | 1 8 | 8 13 | 2 14 | 21 31 | 0 4 | 15 1 | 1 51 | 7 2 | 12 3 | 23 24 | 23 22 | 12 1 | 7 9 | 1 35 | |
| T 27 | 5 1 | 8 23 | 4 28 | 7 11 | 2 32 | 8 36 | 0 43 | 11 24 | 3 1 | 0 29 | 1 8 | 8 15 | 2 13 | 21 30 | 0 4 | 15 1 | 1 51 | 7 2 | 12 3 | 23 24 | 23 22 | 12 3 | 7 11 | 1 35 | |
| W28 | 5 24 | 12 39 | 3 54 | 6 39 | 2 33 | 9 5 | 0 41 | 11 26 | 2 59 | 0 34 | 1 8 | 8 18 | 2 13 | 21 30 | 0 4 | 15 0 | 1 51 | 7 3 | 12 3 | 23 25 | 23 22 | 12 6 | 7 12 | 1 35 | |
| T 29 | 5 47 | 16 26 | 3 10 | 6 5 | 2 34 | 9 34 | 0 39 | 11 28 | 2 56 | 0 40 | 1 8 | 8 21 | 2 13 | 21 30 | 0 4 | 15 0 | 1 51 | 7 3 | 12 3 | 23 25 | 23 23 | 12 8 | 7 14 | 1 34 | |
| F 30 | 6 10 | 19 33 | 2 18 | 5 29 | 2 35 | 10 3 | 0 37 | 11 29 | 2 53 | 0 46 | 1 8 | 8 24 | 2 13 | 21 30 | 0 4 | 14 59 | 1 51 | 7 4 | 12 2 | 23 26 | 23 23 | 12 11 | 7 15 | 1 34 | |
| S 31 | 6n32 | 21n52 | 1s20 | 4s53 | 2s34 | 10n32 | 0s35 | 11n30 | 2n51 | 0n52 | 1s 8 | 8n27 | 2s13 | 21s30 | 0n 4 | 14s59 | 1n51 | 7n 4 | 12s 2 | 23n26 | 23n23 | 12n13 | 7n16 | 1n34 | |

Julian Day Number = 2139328.5, Delta T = 15m31s
Ecliptic obliquity = 23°33'00, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'19, Lahiri = 11°56'20 Julian Calendar 1 March 1145 == Greg. Calendar 8 March 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## APRIL 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 2 42 | 17♈31'45 | 2♋26 | 25♓15 | 29♈57 | 7°R11 | 4♈59 | 27♈18 | 6°R53 | 16°R11 | 23♉33 | 5°D40 | 6♋35 | 14♉ 9 | 14♈46 | S 1 |
| M 2 | 13 6 39 | 18°30'14 | 14°40 | 26°50 | 1♉11 | 7♍ 4 | 5°13 | 27°26 | 6♐51 | 16♏ 9 | 23°34 | 5°R40 | 6°32 | 14°16 | 14°50 | M 2 |
| T 3 | 13 10 35 | 19°28'42 | 27°12 | 28°27 | 2°25 | 6°57 | 5°28 | 27°34 | 6°50 | 16° 8 | 23°35 | 5♋40 | 6°29 | 14°22 | 14°54 | T 3 |
| W 4 | 13 14 32 | 20°27'06 | 10♌ 7 | 0♈ 5 | 3°39 | 6°52 | 5°42 | 27°41 | 6°49 | 16° 6 | 23°36 | 5°39 | 6°26 | 14°29 | 14°57 | W 4 |
| T 5 | 13 18 28 | 21°25'29 | 23°30 | 1°46 | 4°53 | 6°47 | 5°56 | 27°49 | 6°47 | 16° 5 | 23°37 | 5°35 | 6°23 | 14°36 | 15° 1 | T 5 |
| F 6 | 13 22 25 | 22°23'50 | 7♍23 | 3°28 | 6° 7 | 6°43 | 6°10 | 27°57 | 6°46 | 16° 3 | 23°38 | 5°29 | 6°19 | 14°43 | 15° 5 | F 6 |
| S 7 | 13 26 21 | 23°22'08 | 21°46 | 5°12 | 7°20 | 6°39 | 6°24 | 28° 4 | 6°44 | 16° 2 | 23°40 | 5°21 | 6°16 | 14°49 | 15° 8 | S 7 |
| S 8 | 13 30 18 | 24°20'24 | 6♎33 | 6°57 | 8°34 | 6°37 | 6°39 | 28°12 | 6°43 | 16° 1 | 23°41 | 5°11 | 6°13 | 14°56 | 15°12 | S 8 |
| M 9 | 13 34 14 | 25°18'39 | 21°40 | 8°44 | 9°48 | 6°35 | 6°53 | 28°20 | 6°41 | 15°59 | 23°42 | 5° 1 | 6°10 | 15° 3 | 15°15 | M 9 |
| T 10 | 13 38 11 | 26°16'52 | 6♏54 | 10°33 | 11° 2 | 6°34 | 7° 7 | 28°28 | 6°39 | 15°58 | 23°43 | 4°51 | 6° 7 | 15° 9 | 15°19 | T 10 |
| W11 | 13 42 8 | 27°15'02 | 22° 6 | 12°24 | 12°15 | 6°D33 | 7°21 | 28°35 | 6°38 | 15°56 | 23°44 | 4°44 | 6° 3 | 15°16 | 15°23 | W11 |
| T 12 | 13 46 4 | 28°13'12 | 7♐ 5 | 14°17 | 13°29 | 6°34 | 7°35 | 28°43 | 6°36 | 15°55 | 23°46 | 4°39 | 6° 0 | 15°23 | 15°26 | T 12 |
| F 13 | 13 50 1 | 29°11'20 | 21°44 | 16°11 | 14°43 | 6°35 | 7°49 | 28°51 | 6°34 | 15°53 | 23°47 | 4°36 | 5°57 | 15°29 | 15°30 | F 13 |
| S 14 | 13 53 57 | 0♑ 9'26 | 6♑ 0 | 18° 7 | 15°56 | 6°37 | 8° 3 | 28°59 | 6°32 | 15°51 | 23°48 | 4°D36 | 5°54 | 15°36 | 15°33 | S 14 |
| S 15 | 13 57 54 | 1° 7'31 | 19°49 | 20° 5 | 17°10 | 6°39 | 8°16 | 29° 6 | 6°31 | 15°50 | 23°49 | 4°36 | 5°51 | 15°43 | 15°37 | S 15 |
| M16 | 14 1 50 | 2° 5'35 | 3♒15 | 22° 4 | 18°23 | 6°43 | 8°30 | 29°14 | 6°29 | 15°48 | 23°51 | 4°R36 | 5°48 | 15°50 | 15°41 | M16 |
| T 17 | 14 5 47 | 3° 3'37 | 16°19 | 24° 5 | 19°37 | 6°47 | 8°44 | 29°22 | 6°27 | 15°47 | 23°52 | 4°35 | 5°44 | 15°56 | 15°44 | T 17 |
| W18 | 14 9 43 | 4° 1'38 | 29° 4 | 26° 8 | 20°51 | 6°51 | 8°58 | 29°30 | 6°25 | 15°45 | 23°53 | 4°33 | 5°41 | 16° 3 | 15°48 | W18 |
| T 19 | 14 13 40 | 4°59'37 | 11♓35 | 28°12 | 22° 4 | 6°57 | 9°12 | 29°37 | 6°23 | 15°44 | 23°55 | 4°27 | 5°38 | 16°10 | 15°51 | T 19 |
| F 20 | 14 17 37 | 5°57'35 | 23°53 | 0♉18 | 23°18 | 7° 3 | 9°25 | 29°45 | 6°21 | 15°42 | 23°56 | 4°20 | 5°35 | 16°16 | 15°55 | F 20 |
| S 21 | 14 21 33 | 6°55'31 | 6♈ 2 | 2°25 | 24°31 | 7°10 | 9°39 | 29°53 | 6°19 | 15°40 | 23°57 | 4°10 | 5°32 | 16°23 | 15°58 | S 21 |
| S 22 | 14 25 30 | 7°53'26 | 18° 4 | 4°33 | 25°44 | 7°17 | 9°53 | 0♉ 0 | 6°17 | 15°39 | 23°59 | 4° 0 | 5°28 | 16°30 | 16° 2 | S 22 |
| M23 | 14 29 26 | 8°51'19 | 29°59 | 6°42 | 26°58 | 7°25 | 10° 6 | 0° 8 | 6°15 | 15°37 | 24° 0 | 3°49 | 5°25 | 16°36 | 16° 5 | M23 |
| T 24 | 14 33 23 | 9°49'12 | 11♉52 | 8°52 | 28°11 | 7°34 | 10°20 | 0°16 | 6°13 | 15°36 | 24° 1 | 3°39 | 5°22 | 16°43 | 16° 9 | T 24 |
| W25 | 14 37 19 | 10°47'02 | 23°41 | 11° 3 | 29°25 | 7°43 | 10°33 | 0°23 | 6°11 | 15°34 | 24° 2 | 3°31 | 5°19 | 16°50 | 16°12 | W25 |
| T 26 | 14 41 16 | 11°44'51 | 5♊31 | 13°14 | 0♊38 | 7°53 | 10°46 | 0°31 | 6° 8 | 15°32 | 24° 4 | 3°25 | 5°16 | 16°56 | 16°15 | T 26 |
| F 27 | 14 45 12 | 12°42'39 | 17°21 | 15°25 | 1°51 | 8° 4 | 11° 0 | 0°39 | 6° 6 | 15°31 | 24° 5 | 3°21 | 5°13 | 17° 3 | 16°19 | F 27 |
| S 28 | 14 49 9 | 13°40'25 | 29°17 | 17°36 | 3° 5 | 8°15 | 11°13 | 0°46 | 6° 4 | 15°29 | 24° 6 | 3°D20 | 5° 9 | 17°10 | 16°22 | S 28 |
| S 29 | 14 53 6 | 14°38'09 | 11♋20 | 19°47 | 4°18 | 8°27 | 11°26 | 0°54 | 6° 2 | 15°27 | 24° 8 | 3°20 | 5° 6 | 17°16 | 16°26 | S 29 |
| M30 | 14 57 2 | 15♉35'52 | 23♋36 | 21♉56 | 5♊31 | 8♍39 | 11♈40 | 1♉ 2 | 6♐ 0 | 15♏26 | 24♉ 9 | 3♋21 | 5♋ 3 | 17♉23 | 16♈29 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n55 | 23n14 | 0s17 | 4s15 | 2s34 | 11n 0 | 0s32 | 11n30 | 2n48 | 0n57 | 1s 8 | 8n29 | 2s13 | 21s29 | 0n 4 | 14s59 | 1n51 | 7n 4 | 12s 2 | 23n26 | 23n23 | 12n16 | 7n18 | 1n34 |
| M 2 | 7 17 | 23 32 | 0n48 | 3 36 | 2 33 | 11 28 | 0 30 | 11 31 | 2 45 | 1 3 | 1 8 | 8 32 | 2 13 | 21 29 | 0 4 | 14 58 | 1 51 | 7 5 | 12 2 | 23 26 | 23 23 | 12 18 | 7 19 | 1 34 |
| T 3 | 7 39 | 22 38 | 1 52 | 2 56 | 2 31 | 11 56 | 0 28 | 11 31 | 2 43 | 1 9 | 1 8 | 8 35 | 2 13 | 21 29 | 0 4 | 14 58 | 1 51 | 7 5 | 12 2 | 23 26 | 23 23 | 12 21 | 7 20 | 1 34 |
| W 4 | 8 2 | 20 33 | 2 52 | 2 14 | 2 29 | 12 23 | 0 25 | 11 30 | 2 40 | 1 14 | 1 8 | 8 38 | 2 13 | 21 29 | 0 4 | 14 57 | 1 51 | 7 6 | 12 2 | 23 26 | 23 24 | 12 23 | 7 22 | 1 34 |
| T 5 | 8 24 | 17 17 | 3 45 | 1 32 | 2 26 | 12 51 | 0 23 | 11 30 | 2 37 | 1 20 | 1 8 | 8 41 | 2 13 | 21 28 | 0 4 | 14 57 | 1 51 | 7 6 | 12 1 | 23 26 | 23 24 | 12 25 | 7 23 | 1 34 |
| F 6 | 8 45 | 12 58 | 4 27 | 0 48 | 2 23 | 13 18 | 0 21 | 11 29 | 2 34 | 1 25 | 1 8 | 8 43 | 2 13 | 21 28 | 0 4 | 14 56 | 1 52 | 7 7 | 12 1 | 23 26 | 23 24 | 12 28 | 7 25 | 1 34 |
| S 7 | 9 7 | 7 47 | 4 54 | 0 3 | 2 19 | 13 44 | 0 18 | 11 27 | 2 32 | 1 31 | 1 8 | 8 46 | 2 13 | 21 28 | 0 4 | 14 56 | 1 52 | 7 7 | 12 1 | 23 26 | 23 24 | 12 30 | 7 26 | 1 34 |
| S 8 | 9 29 | 2 0 | 5 2 | 0n43 | 2 15 | 14 10 | 0 16 | 11 26 | 2 29 | 1 36 | 1 8 | 8 49 | 2 13 | 21 28 | 0 4 | 14 56 | 1 52 | 7 8 | 12 1 | 23 27 | 23 24 | 12 33 | 7 27 | 1 34 |
| M 9 | 9 50 | 4s 0 | 4 50 | 1 30 | 2 10 | 14 36 | 0 13 | 11 24 | 2 26 | 1 42 | 1 8 | 8 52 | 2 13 | 21 27 | 0 4 | 14 55 | 1 52 | 7 8 | 12 1 | 23 27 | 23 24 | 12 35 | 7 29 | 1 34 |
| T 10 | 10 11 | 9 50 | 4 17 | 2 17 | 2 4 | 15 2 | 0 11 | 11 22 | 2 24 | 1 48 | 1 8 | 8 55 | 2 13 | 21 27 | 0 4 | 14 55 | 1 52 | 7 8 | 12 1 | 23 28 | 23 24 | 12 38 | 7 30 | 1 34 |
| W11 | 10 32 | 15 4 | 3 26 | 3 6 | 1 59 | 15 27 | 0 9 | 11 20 | 2 21 | 1 53 | 1 8 | 8 57 | 2 13 | 21 27 | 0 4 | 14 54 | 1 52 | 7 9 | 12 0 | 23 28 | 23 25 | 12 40 | 7 31 | 1 34 |
| T 12 | 10 53 | 19 17 | 2 21 | 3 56 | 1 52 | 15 52 | 0 6 | 11 17 | 2 18 | 1 59 | 1 8 | 9 0 | 2 13 | 21 27 | 0 4 | 14 54 | 1 52 | 7 9 | 12 0 | 23 28 | 23 25 | 12 43 | 7 33 | 1 34 |
| F 13 | 11 14 | 22 10 | 1 8 | 4 46 | 1 45 | 16 16 | 0 4 | 11 14 | 2 16 | 2 4 | 1 8 | 9 3 | 2 13 | 21 26 | 0 4 | 14 53 | 1 52 | 7 10 | 12 0 | 23 28 | 23 25 | 12 45 | 7 34 | 1 34 |
| S 14 | 11 35 | 23 32 | 0s 7 | 5 38 | 1 38 | 16 40 | 0 1 | 11 11 | 2 13 | 2 9 | 1 8 | 9 6 | 2 13 | 21 26 | 0 4 | 14 53 | 1 52 | 7 10 | 12 0 | 23 28 | 23 25 | 12 48 | 7 35 | 1 34 |
| S 15 | 11 55 | 23 24 | 1 20 | 6 29 | 1 30 | 17 4 | 0n 1 | 11 8 | 2 11 | 2 15 | 1 8 | 9 8 | 2 13 | 21 26 | 0 4 | 14 52 | 1 52 | 7 11 | 12 0 | 23 28 | 23 25 | 12 50 | 7 37 | 1 34 |
| M16 | 12 15 | 21 54 | 2 27 | 7 22 | 1 22 | 17 27 | 0 4 | 11 4 | 2 8 | 2 20 | 1 9 | 9 11 | 2 13 | 21 25 | 0 4 | 14 52 | 1 52 | 7 11 | 12 0 | 23 28 | 23 25 | 12 53 | 7 38 | 1 34 |
| T 17 | 12 35 | 19 15 | 3 23 | 8 15 | 1 13 | 17 49 | 0 7 | 11 0 | 2 6 | 2 26 | 1 9 | 9 14 | 2 13 | 21 25 | 0 4 | 14 51 | 1 52 | 7 11 | 12 0 | 23 28 | 23 25 | 12 55 | 7 39 | 1 33 |
| W18 | 12 55 | 15 44 | 4 9 | 9 8 | 1 4 | 18 12 | 0 9 | 10 56 | 2 3 | 2 31 | 1 9 | 9 17 | 2 13 | 21 25 | 0 4 | 14 51 | 1 52 | 7 12 | 11 59 | 23 28 | 23 26 | 12 57 | 7 41 | 1 33 |
| T 19 | 13 15 | 11 34 | 4 41 | 10 2 | 0 55 | 18 33 | 0 12 | 10 52 | 2 1 | 2 36 | 1 9 | 9 19 | 2 13 | 21 24 | 0 4 | 14 50 | 1 52 | 7 12 | 11 59 | 23 28 | 23 26 | 13 0 | 7 42 | 1 33 |
| F 20 | 13 34 | 7 1 | 4 59 | 10 55 | 0 45 | 18 55 | 0 14 | 10 47 | 1 58 | 2 42 | 1 9 | 9 22 | 2 13 | 21 24 | 0 4 | 14 50 | 1 52 | 7 13 | 11 59 | 23 29 | 23 26 | 13 2 | 7 43 | 1 33 |
| S 21 | 13 53 | 2 15 | 5 4 | 11 49 | 0 35 | 19 15 | 0 17 | 10 43 | 1 56 | 2 47 | 1 9 | 9 25 | 2 13 | 21 24 | 0 4 | 14 50 | 1 52 | 7 13 | 11 59 | 23 29 | 23 26 | 13 5 | 7 45 | 1 33 |
| S 22 | 14 12 | 2n34 | 4 55 | 12 42 | 0 25 | 19 36 | 0 19 | 10 37 | 1 53 | 2 52 | 1 9 | 9 27 | 2 13 | 21 23 | 0 4 | 14 49 | 1 52 | 7 13 | 11 59 | 23 29 | 23 26 | 13 7 | 7 46 | 1 33 |
| M23 | 14 31 | 7 15 | 4 34 | 13 35 | 0 15 | 19 55 | 0 22 | 10 32 | 1 51 | 2 58 | 1 9 | 9 30 | 2 13 | 21 23 | 0 4 | 14 49 | 1 52 | 7 14 | 11 59 | 23 30 | 23 26 | 13 10 | 7 47 | 1 33 |
| T 24 | 14 49 | 11 39 | 4 0 | 14 27 | 0 4 | 20 15 | 0 24 | 10 27 | 1 48 | 3 3 | 1 9 | 9 33 | 2 13 | 21 23 | 0 4 | 14 48 | 1 52 | 7 14 | 11 59 | 23 30 | 23 26 | 13 12 | 7 49 | 1 33 |
| W25 | 15 8 | 15 37 | 3 16 | 15 19 | 0n 6 | 20 33 | 0 27 | 10 21 | 1 46 | 3 8 | 1 9 | 9 35 | 2 13 | 21 22 | 0 4 | 14 48 | 1 52 | 7 15 | 11 59 | 23 30 | 23 27 | 13 15 | 7 50 | 1 33 |
| T 26 | 15 26 | 18 58 | 2 24 | 16 9 | 0 17 | 20 51 | 0 29 | 10 15 | 1 44 | 3 13 | 1 9 | 9 38 | 2 13 | 21 22 | 0 4 | 14 47 | 1 52 | 7 15 | 11 59 | 23 30 | 23 27 | 13 17 | 7 51 | 1 33 |
| F 27 | 15 43 | 21 32 | 1 25 | 16 58 | 0 27 | 21 9 | 0 32 | 10 9 | 1 41 | 3 18 | 1 9 | 9 41 | 2 13 | 21 22 | 0 4 | 14 47 | 1 52 | 7 15 | 11 59 | 23 30 | 23 27 | 13 19 | 7 53 | 1 33 |
| S 28 | 16 1 | 23 11 | 0 22 | 17 46 | 0 38 | 21 26 | 0 34 | 10 3 | 1 39 | 3 24 | 1 9 | 9 43 | 2 13 | 21 21 | 0 4 | 14 46 | 1 52 | 7 16 | 11 58 | 23 30 | 23 27 | 13 22 | 7 54 | 1 33 |
| S 29 | 16 18 | 23 47 | 0n43 | 18 32 | 0 48 | 21 42 | 0 37 | 9 56 | 1 37 | 3 29 | 1 10 | 9 46 | 2 13 | 21 21 | 0 4 | 14 46 | 1 52 | 7 16 | 11 58 | 23 30 | 23 27 | 13 24 | 7 55 | 1 33 |
| M30 | 16n35 | 23n14 | 1n47 | 19n16 | 0n58 | 21n58 | 0n39 | 9n49 | 1n35 | 3n34 | 1s10 | 9n49 | 2s13 | 21s20 | 0n 4 | 14s45 | 1n52 | 7n17 | 11s58 | 23n30 | 23n27 | 13n27 | 7n56 | 1n33 |

Julian Day Number = 2139359.5, Delta T = 15m30s
Ecliptic obliquity = 23°33'00, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'24, Lahiri = 11°56'24 Julian Calendar 1 Apr. 1145 == Greg. Calendar 8 Apr. 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## MAY 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 0 59 | 16♉33'33 | 6♌ 8 | 24♉ 5 | 6♊44 | 8♍52 | 11♈53 | 1♉ 9 | 5°R57 | 15°R24 | 24♉11 | 3♋23 | 5♋ 0 | 17♉30 | 16♈32 | T 1 |
| W 2 | 15 4 55 | 17°31'12 | 19° 1 | 26°13 | 7°58 | 9° 5 | 12° 6 | 1°17 | 5♐55 | 15♏23 | 24°12 | 3°R23 | 4°57 | 17°37 | 16°35 | W 2 |
| T 3 | 15 8 52 | 18°28'50 | 2♍19 | 28°19 | 9°11 | 9°19 | 12°19 | 1°24 | 5°53 | 15°21 | 24°13 | 3°22 | 4°54 | 17°43 | 16°39 | T 3 |
| F 4 | 15 12 48 | 19°26'26 | 16° 4 | 0♊23 | 10°24 | 9°34 | 12°32 | 1°32 | 5°50 | 15°19 | 24°15 | 3°19 | 4°50 | 17°50 | 16°42 | F 4 |
| S 5 | 15 16 45 | 20°24'01 | 0♎18 | 2°25 | 11°37 | 9°49 | 12°45 | 1°39 | 5°48 | 15°18 | 24°16 | 3°15 | 4°47 | 17°57 | 16°45 | S 5 |
| S 6 | 15 20 41 | 21°21'34 | 14°59 | 4°25 | 12°50 | 10° 5 | 12°57 | 1°47 | 5°46 | 15°16 | 24°17 | 3° 9 | 4°44 | 18° 3 | 16°48 | S 6 |
| M 7 | 15 24 38 | 22°19'06 | 29°59 | 6°23 | 14° 3 | 10°21 | 13°10 | 1°54 | 5°43 | 15°14 | 24°19 | 3° 3 | 4°41 | 18°10 | 16°51 | M 7 |
| T 8 | 15 28 35 | 23°16'37 | 15♏14 | 8°18 | 15°16 | 10°37 | 13°23 | 2° 2 | 5°41 | 15°13 | 24°20 | 2°58 | 4°38 | 18°17 | 16°55 | T 8 |
| W 9 | 15 32 31 | 24°14'06 | 0♐29 | 10°11 | 16°29 | 10°54 | 13°35 | 2° 9 | 5°39 | 15°11 | 24°21 | 2°53 | 4°34 | 18°23 | 16°58 | W 9 |
| T 10 | 15 36 28 | 25°11'34 | 15°37 | 12° 2 | 17°42 | 11°12 | 13°48 | 2°16 | 5°36 | 15°10 | 24°23 | 2°51 | 4°31 | 18°30 | 17° 1 | T 10 |
| F 11 | 15 40 24 | 26° 9'02 | 0♑28 | 13°49 | 18°55 | 11°30 | 14° 0 | 2°24 | 5°34 | 15° 8 | 24°24 | 2°D50 | 4°28 | 18°37 | 17° 4 | F 11 |
| S 12 | 15 44 21 | 27° 6'29 | 14°55 | 15°34 | 20° 8 | 11°48 | 14°13 | 2°31 | 5°31 | 15° 6 | 24°26 | 2°50 | 4°25 | 18°43 | 17° 7 | S 12 |
| S 13 | 15 48 17 | 28° 3'54 | 28°55 | 17°16 | 21°21 | 12° 7 | 14°25 | 2°38 | 5°29 | 15° 5 | 24°27 | 2°51 | 4°22 | 18°50 | 17°10 | S 13 |
| M14 | 15 52 14 | 29° 1'19 | 12♒29 | 18°56 | 22°34 | 12°26 | 14°38 | 2°45 | 5°26 | 15° 3 | 24°28 | 2°53 | 4°19 | 18°57 | 17°13 | M14 |
| T 15 | 15 56 10 | 29°58'44 | 25°37 | 20°32 | 23°46 | 12°46 | 14°50 | 2°53 | 5°24 | 15° 2 | 24°30 | 2°R54 | 4°15 | 19° 3 | 17°16 | T 15 |
| W16 | 16 0 7 | 0♊56'07 | 8♓24 | 22° 6 | 24°59 | 13° 6 | 15° 2 | 3° 0 | 5°22 | 15° 0 | 24°31 | 2°53 | 4°12 | 19°10 | 17°19 | W16 |
| T 17 | 16 4 4 | 1°53'30 | 20°52 | 23°37 | 26°12 | 13°26 | 15°14 | 3° 7 | 5°19 | 14°59 | 24°32 | 2°52 | 4° 9 | 19°17 | 17°21 | T 17 |
| F 18 | 16 8 0 | 2°50'52 | 3♈ 5 | 25° 5 | 27°25 | 13°47 | 15°26 | 3°14 | 5°17 | 14°57 | 24°34 | 2°49 | 4° 6 | 19°24 | 17°24 | F 18 |
| S 19 | 16 11 57 | 3°48'14 | 15° 8 | 26°30 | 28°37 | 14° 8 | 15°38 | 3°21 | 5°14 | 14°56 | 24°35 | 2°45 | 4° 3 | 19°30 | 17°27 | S 19 |
| S 20 | 16 15 53 | 4°45'35 | 27° 4 | 27°51 | 29°50 | 14°30 | 15°50 | 3°28 | 5°12 | 14°54 | 24°36 | 2°41 | 4° 0 | 19°37 | 17°30 | S 20 |
| M21 | 16 19 50 | 5°42'55 | 8♉55 | 29°10 | 1♋ 3 | 14°52 | 16° 1 | 3°35 | 5° 9 | 14°53 | 24°38 | 2°36 | 3°56 | 19°44 | 17°32 | M21 |
| T 22 | 16 23 46 | 6°40'15 | 20°44 | 0♋26 | 2°15 | 15°14 | 16°13 | 3°42 | 5° 7 | 14°51 | 24°39 | 2°32 | 3°53 | 19°50 | 17°35 | T 22 |
| W23 | 16 27 43 | 7°37'34 | 2♊34 | 1°39 | 3°28 | 15°37 | 16°24 | 3°49 | 5° 4 | 14°50 | 24°40 | 2°28 | 3°50 | 19°57 | 17°38 | W23 |
| T 24 | 16 31 39 | 8°34'53 | 14°26 | 2°49 | 4°41 | 16° 0 | 16°36 | 3°56 | 5° 2 | 14°48 | 24°42 | 2°26 | 3°47 | 20° 4 | 17°40 | T 24 |
| F 25 | 16 35 36 | 9°32'10 | 26°23 | 3°55 | 5°53 | 16°24 | 16°47 | 4° 3 | 4°59 | 14°47 | 24°43 | 2°25 | 3°44 | 20°10 | 17°43 | F 25 |
| S 26 | 16 39 33 | 10°29'28 | 8♋27 | 4°58 | 7° 6 | 16°48 | 16°58 | 4° 9 | 4°57 | 14°45 | 24°44 | 2°D25 | 3°40 | 20°17 | 17°46 | S 26 |
| S 27 | 16 43 29 | 11°26'44 | 20°39 | 5°58 | 8°18 | 17°12 | 17°10 | 4°16 | 4°54 | 14°44 | 24°46 | 2°25 | 3°37 | 20°24 | 17°48 | S 27 |
| M28 | 16 47 26 | 12°24'00 | 3♌ 4 | 6°54 | 9°31 | 17°36 | 17°21 | 4°23 | 4°52 | 14°42 | 24°47 | 2°27 | 3°34 | 20°30 | 17°50 | M28 |
| T 29 | 16 51 22 | 13°21'14 | 15°43 | 7°47 | 10°43 | 18° 1 | 17°32 | 4°30 | 4°50 | 14°41 | 24°48 | 2°28 | 3°31 | 20°37 | 17°53 | T 29 |
| W30 | 16 55 19 | 14°18'29 | 28°39 | 8°36 | 11°55 | 18°26 | 17°43 | 4°36 | 4°47 | 14°40 | 24°50 | 2°29 | 3°28 | 20°44 | 17°55 | W30 |
| T 31 | 16 59 15 | 15♊15'42 | 11♍57 | 9♋21 | 13♋ 8 | 18♍52 | 17♈53 | 4♉43 | 4♐45 | 14♏38 | 24♉51 | 2°R30 | 3♋25 | 20♉50 | 17♈58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n52 | 21n32 | 2n48 | 19n58 | 1n 7 | 22n13 | 0n42 | 9n42 | 1n32 | 3n39 | 1s10 | 9n51 | 2s13 | 21s20 | 0n 4 | 14s45 | 1n52 | 7n17 | 11s58 | 23n30 | 23n27 | 13n29 | 7n58 | 1n33 |
| W 2 | 17 8 | 18 42 | 3 42 | 20 37 | 1 16 | 22 28 | 0 44 | 9 35 | 1 30 | 3 44 | 1 10 | 9 54 | 2 13 | 21 20 | 0 4 | 14 44 | 1 52 | 7 17 | 11 58 | 23 30 | 23 27 | 13 32 | 7 59 | 1 33 |
| T 3 | 17 24 | 14 49 | 4 25 | 21 15 | 1 24 | 22 42 | 0 47 | 9 28 | 1 28 | 3 49 | 1 10 | 9 56 | 2 13 | 21 19 | 0 4 | 14 44 | 1 52 | 7 18 | 11 58 | 23 30 | 23 28 | 13 34 | 8 0 | 1 33 |
| F 4 | 17 40 | 10 3 | 4 56 | 21 50 | 1 32 | 22 55 | 0 49 | 9 21 | 1 26 | 3 54 | 1 10 | 9 59 | 2 13 | 21 19 | 0 4 | 14 43 | 1 52 | 7 18 | 11 58 | 23 30 | 23 28 | 13 36 | 8 1 | 1 33 |
| S 5 | 17 56 | 4 36 | 5 9 | 22 22 | 1 39 | 23 8 | 0 51 | 9 13 | 1 24 | 3 59 | 1 10 | 10 2 | 2 13 | 21 19 | 0 4 | 14 43 | 1 52 | 7 18 | 11 58 | 23 31 | 23 28 | 13 39 | 8 3 | 1 33 |
| S 6 | 18 11 | 1s16 | 5 3 | 22 52 | 1 46 | 23 20 | 0 54 | 9 5 | 1 22 | 4 4 | 1 10 | 10 4 | 2 13 | 21 18 | 0 4 | 14 42 | 1 52 | 7 19 | 11 58 | 23 31 | 23 28 | 13 41 | 8 4 | 1 33 |
| M 7 | 18 26 | 7 13 | 4 36 | 23 19 | 1 52 | 23 31 | 0 56 | 8 57 | 1 20 | 4 9 | 1 10 | 10 7 | 2 13 | 21 18 | 0 4 | 14 42 | 1 52 | 7 19 | 11 58 | 23 31 | 23 28 | 13 44 | 8 5 | 1 33 |
| T 8 | 18 41 | 12 49 | 3 50 | 23 43 | 1 57 | 23 42 | 0 58 | 8 49 | 1 18 | 4 13 | 1 10 | 10 9 | 2 13 | 21 17 | 0 4 | 14 42 | 1 52 | 7 20 | 11 58 | 23 31 | 23 28 | 13 46 | 8 6 | 1 33 |
| W 9 | 18 55 | 17 38 | 2 47 | 24 5 | 2 2 | 23 52 | 1 1 | 8 40 | 1 16 | 4 18 | 1 11 | 10 12 | 2 13 | 21 17 | 0 4 | 14 41 | 1 52 | 7 20 | 11 58 | 23 31 | 23 28 | 13 48 | 8 7 | 1 33 |
| T 10 | 19 9 | 21 14 | 1 32 | 24 24 | 2 5 | 24 1 | 1 3 | 8 32 | 1 13 | 4 23 | 1 11 | 10 14 | 2 13 | 21 16 | 0 4 | 14 41 | 1 52 | 7 20 | 11 58 | 23 31 | 23 28 | 13 51 | 8 8 | 1 33 |
| F 11 | 19 23 | 23 20 | 0 13 | 24 41 | 2 8 | 24 10 | 1 5 | 8 23 | 1 12 | 4 28 | 1 11 | 10 16 | 2 13 | 21 16 | 0 4 | 14 40 | 1 52 | 7 21 | 11 58 | 23 31 | 23 28 | 13 53 | 8 10 | 1 33 |
| S 12 | 19 36 | 23 48 | 1s 5 | 24 56 | 2 10 | 24 18 | 1 7 | 8 14 | 1 10 | 4 32 | 1 11 | 10 19 | 2 13 | 21 16 | 0 4 | 14 40 | 1 52 | 7 21 | 11 58 | 23 31 | 23 29 | 13 56 | 8 11 | 1 33 |
| S 13 | 19 49 | 22 43 | 2 18 | 25 8 | 2 12 | 24 25 | 1 9 | 8 5 | 1 8 | 4 37 | 1 11 | 10 21 | 2 13 | 21 15 | 0 4 | 14 39 | 1 52 | 7 21 | 11 58 | 23 31 | 23 29 | 13 58 | 8 12 | 1 33 |
| M14 | 20 2 | 20 20 | 3 20 | 25 17 | 2 13 | 24 31 | 1 11 | 7 56 | 1 6 | 4 42 | 1 11 | 10 24 | 2 13 | 21 15 | 0 4 | 14 39 | 1 52 | 7 22 | 11 58 | 23 31 | 23 29 | 14 0 | 8 13 | 1 33 |
| T 15 | 20 14 | 16 56 | 4 9 | 25 25 | 2 12 | 24 37 | 1 13 | 7 47 | 1 4 | 4 46 | 1 11 | 10 26 | 2 14 | 21 14 | 0 4 | 14 38 | 1 52 | 7 22 | 11 58 | 23 31 | 23 29 | 14 3 | 8 14 | 1 33 |
| W16 | 20 26 | 12 51 | 4 45 | 25 30 | 2 11 | 24 42 | 1 15 | 7 38 | 1 2 | 4 51 | 1 11 | 10 28 | 2 14 | 21 14 | 0 4 | 14 38 | 1 52 | 7 22 | 11 58 | 23 31 | 23 29 | 14 5 | 8 15 | 1 33 |
| T 17 | 20 38 | 8 19 | 5 6 | 25 33 | 2 10 | 24 47 | 1 17 | 7 28 | 1 0 | 4 56 | 1 12 | 10 31 | 2 14 | 21 13 | 0 4 | 14 38 | 1 52 | 7 23 | 11 58 | 23 31 | 23 29 | 14 8 | 8 16 | 1 33 |
| F 18 | 20 49 | 3 33 | 5 13 | 25 35 | 2 7 | 24 50 | 1 19 | 7 18 | 0 58 | 5 0 | 1 12 | 10 33 | 2 14 | 21 13 | 0 4 | 14 37 | 1 52 | 7 23 | 11 58 | 23 31 | 23 29 | 14 10 | 8 17 | 1 33 |
| S 19 | 21 1 | 1n18 | 5 5 | 25 34 | 2 4 | 24 53 | 1 21 | 7 8 | 0 56 | 5 4 | 1 12 | 10 36 | 2 14 | 21 13 | 0 4 | 14 37 | 1 52 | 7 23 | 11 58 | 23 31 | 23 29 | 14 12 | 8 19 | 1 33 |
| S 20 | 21 11 | 6 2 | 4 45 | 25 32 | 2 0 | 24 56 | 1 23 | 6 58 | 0 55 | 5 9 | 1 12 | 10 38 | 2 14 | 21 12 | 0 4 | 14 36 | 1 52 | 7 23 | 11 58 | 23 31 | 23 29 | 14 15 | 8 20 | 1 33 |
| M21 | 21 21 | 10 33 | 4 12 | 25 28 | 1 55 | 24 57 | 1 24 | 6 48 | 0 53 | 5 13 | 1 12 | 10 40 | 2 14 | 21 12 | 0 4 | 14 36 | 1 52 | 7 24 | 11 58 | 23 31 | 23 29 | 14 17 | 8 21 | 1 33 |
| T 22 | 21 31 | 14 39 | 3 29 | 25 23 | 1 50 | 24 58 | 1 26 | 6 38 | 0 51 | 5 18 | 1 12 | 10 42 | 2 14 | 21 11 | 0 4 | 14 35 | 1 51 | 7 24 | 11 58 | 23 32 | 23 30 | 14 20 | 8 22 | 1 33 |
| W23 | 21 41 | 18 12 | 2 37 | 25 16 | 1 44 | 24 58 | 1 28 | 6 27 | 0 49 | 5 22 | 1 12 | 10 45 | 2 14 | 21 11 | 0 4 | 14 35 | 1 51 | 7 24 | 11 58 | 23 32 | 23 30 | 14 22 | 8 23 | 1 33 |
| T 24 | 21 50 | 21 2 | 1 37 | 25 8 | 1 37 | 24 57 | 1 29 | 6 17 | 0 48 | 5 26 | 1 13 | 10 47 | 2 14 | 21 10 | 0 4 | 14 35 | 1 51 | 7 25 | 11 58 | 23 32 | 23 30 | 14 24 | 8 24 | 1 33 |
| F 25 | 21 59 | 22 57 | 0 33 | 24 58 | 1 29 | 24 56 | 1 31 | 6 6 | 0 46 | 5 30 | 1 13 | 10 49 | 2 14 | 21 10 | 0 4 | 14 34 | 1 51 | 7 25 | 11 58 | 23 32 | 23 30 | 14 27 | 8 25 | 1 33 |
| S 26 | 22 7 | 23 50 | 0n33 | 24 48 | 1 21 | 24 53 | 1 32 | 5 55 | 0 44 | 5 35 | 1 13 | 10 51 | 2 15 | 21 10 | 0 4 | 14 34 | 1 51 | 7 25 | 11 58 | 23 32 | 23 30 | 14 29 | 8 26 | 1 33 |
| S 27 | 22 15 | 23 35 | 1 39 | 24 36 | 1 11 | 24 51 | 1 33 | 5 44 | 0 43 | 5 39 | 1 13 | 10 53 | 2 15 | 21 9 | 0 4 | 14 33 | 1 51 | 7 25 | 11 58 | 23 32 | 23 30 | 14 32 | 8 27 | 1 33 |
| M28 | 22 23 | 22 11 | 2 41 | 24 24 | 1 2 | 24 47 | 1 35 | 5 33 | 0 41 | 5 43 | 1 13 | 10 55 | 2 15 | 21 9 | 0 4 | 14 33 | 1 51 | 7 26 | 11 58 | 23 32 | 23 30 | 14 34 | 8 28 | 1 33 |
| T 29 | 22 30 | 19 39 | 3 37 | 24 10 | 0 51 | 24 43 | 1 36 | 5 22 | 0 40 | 5 47 | 1 13 | 10 58 | 2 15 | 21 8 | 0 4 | 14 33 | 1 51 | 7 26 | 11 58 | 23 32 | 23 30 | 14 36 | 8 28 | 1 33 |
| W30 | 22 37 | 16 6 | 4 23 | 23 56 | 0 40 | 24 38 | 1 37 | 5 11 | 0 38 | 5 51 | 1 13 | 11 0 | 2 15 | 21 8 | 0 4 | 14 32 | 1 51 | 7 26 | 11 58 | 23 32 | 23 30 | 14 39 | 8 29 | 1 33 |
| T 31 | 22n44 | 11n40 | 4n56 | 23n42 | 0n29 | 24n32 | 1n38 | 4n59 | 0n36 | 5n55 | 1s14 | 11n 2 | 2s15 | 21s 7 | 0n 4 | 14s32 | 1n51 | 7n26 | 11s58 | 23n32 | 23n30 | 14n41 | 8n30 | 1n33 |

Julian Day Number = 2139389.5, Delta T = 15m30s
Ecliptic obliquity = 23°33'00, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'28, Lahiri = 11°56'28 Julian Calendar 1 May 1145 == Greg. Calendar 8 May 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## JUNE 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 3 12 | 16♊12'54 | 25♍36 | 10♋ 2 | 14♋20 | 19♍18 | 18♈ 4 | 4♉49 | 4°R42 | 14°R37 | 24♉52 | 2°R30 | 3♋21 | 20♉57 | 18♈ 0 | F 1 |
| S 2 | 17 7 8 | 17°10'06 | 9♎40 | 10°40 | 15°32 | 19°44 | 18°15 | 4°56 | 4♐40 | 14♏36 | 24°54 | 2♋29 | 3°18 | 21° 4 | 18° 2 | S 2 |
| S 3 | 17 11 5 | 18° 7'17 | 24° 6 | 11°13 | 16°44 | 20°10 | 18°25 | 5° 2 | 4°38 | 14°34 | 24°55 | 2°27 | 3°15 | 21°10 | 18° 4 | S 3 |
| M 4 | 17 15 2 | 19° 4'28 | 8♏51 | 11°42 | 17°57 | 20°37 | 18°35 | 5° 8 | 4°35 | 14°33 | 24°56 | 2°26 | 3°12 | 21°17 | 18° 7 | M 4 |
| T 5 | 17 18 58 | 20° 1'38 | 23°49 | 12° 7 | 19° 9 | 21° 4 | 18°46 | 5°15 | 4°33 | 14°32 | 24°57 | 2°24 | 3° 9 | 21°24 | 18° 9 | T 5 |
| W 6 | 17 22 55 | 20°58'47 | 8♐53 | 12°28 | 20°21 | 21°31 | 18°56 | 5°21 | 4°31 | 14°31 | 24°59 | 2°23 | 3° 6 | 21°30 | 18°11 | W 6 |
| T 7 | 17 26 51 | 21°55'57 | 23°53 | 12°44 | 21°33 | 21°58 | 19° 6 | 5°27 | 4°28 | 14°29 | 25° 0 | 2°23 | 3° 2 | 21°37 | 18°13 | T 7 |
| F 8 | 17 30 48 | 22°53'06 | 8♑42 | 12°55 | 22°45 | 22°26 | 19°16 | 5°33 | 4°26 | 14°28 | 25° 1 | 2°D23 | 2°59 | 21°44 | 18°15 | F 8 |
| S 9 | 17 34 44 | 23°50'15 | 23°12 | 13° 2 | 23°57 | 22°54 | 19°26 | 5°39 | 4°24 | 14°27 | 25° 2 | 2°23 | 2°56 | 21°51 | 18°17 | S 9 |
| S 10 | 17 38 41 | 24°47'24 | 7♒19 | 13°R 4 | 25° 9 | 23°22 | 19°35 | 5°45 | 4°21 | 14°26 | 25° 4 | 2°24 | 2°53 | 21°57 | 18°19 | S 10 |
| M11 | 17 42 38 | 25°44'33 | 21° 0 | 13° 2 | 26°21 | 23°51 | 19°45 | 5°51 | 4°19 | 14°25 | 25° 5 | 2°24 | 2°50 | 22° 4 | 18°21 | M11 |
| T 12 | 17 46 34 | 26°41'42 | 4♓14 | 12°55 | 27°33 | 24°20 | 19°54 | 5°57 | 4°17 | 14°24 | 25° 6 | 2°25 | 2°46 | 22°11 | 18°22 | T 12 |
| W13 | 17 50 31 | 27°38'52 | 17° 5 | 12°44 | 28°44 | 24°49 | 20° 4 | 6° 3 | 4°15 | 14°23 | 25° 7 | 2°25 | 2°43 | 22°17 | 18°24 | W13 |
| T 14 | 17 54 27 | 28°36'01 | 29°36 | 12°28 | 29°56 | 25°18 | 20°13 | 6° 8 | 4°12 | 14°22 | 25° 8 | 2°R25 | 2°40 | 22°24 | 18°26 | T 14 |
| F 15 | 17 58 24 | 29°33'11 | 11♈50 | 12° 8 | 1♌ 8 | 25°47 | 20°22 | 6°14 | 4°10 | 14°20 | 25° 9 | 2°25 | 2°37 | 22°31 | 18°27 | F 15 |
| S 16 | 18 2 20 | 0♋30'21 | 23°51 | 11°44 | 2°20 | 26°17 | 20°31 | 6°20 | 4° 8 | 14°19 | 25°11 | 2°25 | 2°34 | 22°37 | 18°29 | S 16 |
| S 17 | 18 6 17 | 1°27'32 | 5♉45 | 11°17 | 3°31 | 26°47 | 20°40 | 6°25 | 4° 6 | 14°18 | 25°12 | 2°25 | 2°31 | 22°44 | 18°31 | S 17 |
| M18 | 18 10 13 | 2°24'43 | 17°34 | 10°46 | 4°43 | 27°17 | 20°49 | 6°31 | 4° 4 | 14°18 | 25°13 | 2°D25 | 2°27 | 22°51 | 18°32 | M18 |
| T 19 | 18 14 10 | 3°21'54 | 29°24 | 10°13 | 5°54 | 27°48 | 20°57 | 6°36 | 4° 2 | 14°17 | 25°14 | 2°25 | 2°24 | 22°57 | 18°34 | T 19 |
| W20 | 18 18 7 | 4°19'06 | 11♊16 | 9°37 | 7° 6 | 28°18 | 21° 6 | 6°42 | 4° 0 | 14°16 | 25°15 | 2°25 | 2°21 | 23° 4 | 18°35 | W20 |
| T 21 | 18 22 3 | 5°16'18 | 23°15 | 9° 0 | 8°18 | 28°49 | 21°14 | 6°47 | 3°58 | 14°15 | 25°16 | 2°25 | 2°18 | 23°11 | 18°37 | T 21 |
| F 22 | 18 26 0 | 6°13'30 | 5♋21 | 8°21 | 9°29 | 29°20 | 21°22 | 6°52 | 3°56 | 14°14 | 25°17 | 2°R25 | 2°15 | 23°17 | 18°38 | F 22 |
| S 23 | 18 29 56 | 7°10'42 | 17°38 | 7°43 | 10°40 | 29°52 | 21°30 | 6°57 | 3°54 | 14°13 | 25°18 | 2°25 | 2°12 | 23°24 | 18°39 | S 23 |
| S 24 | 18 33 53 | 8° 7'55 | 0♌ 6 | 7° 4 | 11°52 | 0♎23 | 21°38 | 7° 2 | 3°52 | 14°12 | 25°19 | 2°25 | 2° 8 | 23°31 | 18°40 | S 24 |
| M25 | 18 37 49 | 9° 5'08 | 12°46 | 6°26 | 13° 3 | 0°55 | 21°46 | 7° 7 | 3°50 | 14°11 | 25°20 | 2°24 | 2° 5 | 23°37 | 18°42 | M25 |
| T 26 | 18 41 46 | 10° 2'21 | 25°41 | 5°50 | 14°14 | 1°27 | 21°54 | 7°12 | 3°48 | 14°11 | 25°21 | 2°23 | 2° 2 | 23°44 | 18°43 | T 26 |
| W27 | 18 45 42 | 10°59'35 | 8♍50 | 5°16 | 15°25 | 1°59 | 22° 1 | 7°17 | 3°47 | 14°10 | 25°22 | 2°22 | 1°59 | 23°51 | 18°44 | W27 |
| T 28 | 18 49 39 | 11°56'48 | 22°15 | 4°45 | 16°37 | 2°31 | 22° 9 | 7°22 | 3°45 | 14° 9 | 25°23 | 2°21 | 1°56 | 23°57 | 18°45 | T 28 |
| F 29 | 18 53 36 | 12°54'02 | 5♎56 | 4°17 | 17°48 | 3° 4 | 22°16 | 7°26 | 3°43 | 14° 9 | 25°24 | 2°21 | 1°52 | 24° 4 | 18°46 | F 29 |
| S 30 | 18 57 32 | 13♋51'15 | 19♎54 | 3♋54 | 18♌59 | 3♎37 | 22♈23 | 7♉31 | 3♐41 | 14♏ 8 | 25♉25 | 2°D21 | 1♋49 | 24♉11 | 18♈47 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n50 | 6n33 | 5n14 | 23n26 | 0n16 | 24n25 | 1n39 | 4n47 | 0n35 | 5n59 | 1s14 | 11n 4 | 2s15 | 21s 7 | 0n 4 | 14s32 | 1n51 | 7n27 | 11s58 | 23n32 | 23n30 | 14n43 | 8n31 | 1n33 |
| S 2 | 22 56 | 0 58 | 5 14 | 23 11 | 0 3 | 24 18 | 1 40 | 4 36 | 0 33 | 6 3 | 1 14 | 11 6 | 2 15 | 21 7 | 0 4 | 14 31 | 1 51 | 7 27 | 11 58 | 23 32 | 23 31 | 14 46 | 8 32 | 1 33 |
| S 3 | 23 1 | 4s50 | 4 54 | 22 54 | 0s10 | 24 10 | 1 41 | 4 24 | 0 32 | 6 7 | 1 14 | 11 8 | 2 16 | 21 6 | 0 4 | 14 31 | 1 51 | 7 27 | 11 58 | 23 32 | 23 31 | 14 48 | 8 33 | 1 33 |
| M 4 | 23 6 | 10 29 | 4 15 | 22 38 | 0 24 | 24 2 | 1 42 | 4 12 | 0 30 | 6 10 | 1 14 | 11 10 | 2 16 | 21 6 | 0 4 | 14 31 | 1 51 | 7 27 | 11 58 | 23 32 | 23 31 | 14 51 | 8 34 | 1 33 |
| T 5 | 23 10 | 15 37 | 3 18 | 22 21 | 0 38 | 23 53 | 1 43 | 4 0 | 0 29 | 6 14 | 1 14 | 11 12 | 2 16 | 21 5 | 0 4 | 14 30 | 1 51 | 7 28 | 11 58 | 23 32 | 23 31 | 14 53 | 8 35 | 1 33 |
| W 6 | 23 14 | 19 48 | 2 7 | 22 5 | 0 53 | 23 43 | 1 44 | 3 48 | 0 27 | 6 18 | 1 15 | 11 14 | 2 16 | 21 5 | 0 4 | 14 30 | 1 51 | 7 28 | 11 58 | 23 32 | 23 31 | 14 55 | 8 35 | 1 33 |
| T 7 | 23 18 | 22 38 | 0 47 | 21 48 | 1 9 | 23 32 | 1 44 | 3 36 | 0 26 | 6 22 | 1 15 | 11 16 | 2 16 | 21 4 | 0 4 | 14 30 | 1 51 | 7 28 | 11 58 | 23 32 | 23 31 | 14 58 | 8 36 | 1 33 |
| F 8 | 23 21 | 23 51 | 0s35 | 21 32 | 1 24 | 23 21 | 1 45 | 3 23 | 0 24 | 6 25 | 1 15 | 11 18 | 2 16 | 21 4 | 0 4 | 14 29 | 1 51 | 7 28 | 11 59 | 23 32 | 23 31 | 15 0 | 8 37 | 1 33 |
| S 9 | 23 24 | 23 24 | 1 53 | 21 15 | 1 40 | 23 9 | 1 45 | 3 11 | 0 23 | 6 29 | 1 15 | 11 19 | 2 16 | 21 4 | 0 4 | 14 29 | 1 51 | 7 28 | 11 59 | 23 32 | 23 31 | 15 2 | 8 38 | 1 33 |
| S 10 | 23 27 | 21 27 | 3 2 | 20 59 | 1 56 | 22 56 | 1 46 | 2 58 | 0 22 | 6 32 | 1 15 | 11 21 | 2 16 | 21 3 | 0 4 | 14 29 | 1 51 | 7 29 | 11 59 | 23 32 | 23 31 | 15 5 | 8 38 | 1 33 |
| M11 | 23 29 | 18 19 | 3 58 | 20 44 | 2 12 | 22 43 | 1 46 | 2 46 | 0 20 | 6 36 | 1 16 | 11 23 | 2 17 | 21 3 | 0 4 | 14 28 | 1 51 | 7 29 | 11 59 | 23 32 | 23 31 | 15 7 | 8 39 | 1 33 |
| T 12 | 23 30 | 14 20 | 4 40 | 20 28 | 2 27 | 22 29 | 1 46 | 2 33 | 0 19 | 6 39 | 1 16 | 11 25 | 2 17 | 21 2 | 0 4 | 14 28 | 1 51 | 7 29 | 11 59 | 23 32 | 23 31 | 15 9 | 8 40 | 1 33 |
| W13 | 23 32 | 9 49 | 5 6 | 20 14 | 2 43 | 22 15 | 1 47 | 2 20 | 0 17 | 6 42 | 1 16 | 11 27 | 2 17 | 21 2 | 0 4 | 14 28 | 1 51 | 7 29 | 11 59 | 23 32 | 23 31 | 15 12 | 8 41 | 1 33 |
| T 14 | 23 33 | 5 0 | 5 17 | 20 0 | 2 58 | 22 0 | 1 47 | 2 7 | 0 16 | 6 46 | 1 16 | 11 28 | 2 17 | 21 2 | 0 4 | 14 28 | 1 51 | 7 29 | 11 59 | 23 32 | 23 31 | 15 14 | 8 41 | 1 33 |
| F 15 | 23 33 | 0 6 | 5 13 | 19 47 | 3 13 | 21 44 | 1 47 | 1 54 | 0 15 | 6 49 | 1 16 | 11 30 | 2 17 | 21 1 | 0 3 | 14 27 | 1 51 | 7 30 | 11 59 | 23 32 | 23 31 | 15 16 | 8 42 | 1 33 |
| S 16 | 23 33 | 4n43 | 4 56 | 19 35 | 3 28 | 21 28 | 1 47 | 1 41 | 0 13 | 6 52 | 1 16 | 11 32 | 2 17 | 21 1 | 0 3 | 14 27 | 1 51 | 7 30 | 11 59 | 23 32 | 23 31 | 15 19 | 8 43 | 1 33 |
| S 17 | 23 32 | 9 19 | 4 25 | 19 24 | 3 41 | 21 11 | 1 46 | 1 28 | 0 12 | 6 55 | 1 17 | 11 33 | 2 18 | 21 0 | 0 3 | 14 27 | 1 50 | 7 30 | 11 59 | 23 32 | 23 32 | 15 21 | 8 43 | 1 33 |
| M18 | 23 32 | 13 34 | 3 44 | 19 13 | 3 54 | 20 53 | 1 46 | 1 15 | 0 11 | 6 59 | 1 17 | 11 35 | 2 18 | 21 0 | 0 3 | 14 27 | 1 50 | 7 30 | 12 0 | 23 32 | 23 32 | 15 23 | 8 44 | 1 33 |
| T 19 | 23 30 | 17 18 | 2 53 | 19 4 | 4 6 | 20 35 | 1 46 | 1 2 | 0 10 | 7 2 | 1 17 | 11 37 | 2 18 | 21 0 | 0 3 | 14 26 | 1 50 | 7 30 | 12 0 | 23 32 | 23 32 | 15 26 | 8 44 | 1 33 |
| W20 | 23 29 | 20 20 | 1 55 | 18 57 | 4 16 | 20 17 | 1 46 | 0 48 | 0 8 | 7 5 | 1 17 | 11 38 | 2 18 | 20 59 | 0 3 | 14 26 | 1 50 | 7 30 | 12 0 | 23 32 | 23 32 | 15 28 | 8 45 | 1 33 |
| T 21 | 23 27 | 22 32 | 0 51 | 18 50 | 4 25 | 19 58 | 1 45 | 0 35 | 0 7 | 7 7 | 1 17 | 11 40 | 2 18 | 20 59 | 0 3 | 14 26 | 1 50 | 7 30 | 12 0 | 23 32 | 23 32 | 15 30 | 8 45 | 1 33 |
| F 22 | 23 24 | 23 43 | 0n16 | 18 44 | 4 33 | 19 38 | 1 44 | 0 21 | 0 6 | 7 10 | 1 18 | 11 41 | 2 18 | 20 59 | 0 3 | 14 26 | 1 50 | 7 30 | 12 0 | 23 32 | 23 32 | 15 33 | 8 46 | 1 33 |
| S 23 | 23 21 | 23 46 | 1 23 | 18 40 | 4 39 | 19 18 | 1 44 | 0 8 | 0 5 | 7 13 | 1 18 | 11 43 | 2 19 | 20 58 | 0 3 | 14 26 | 1 50 | 7 31 | 12 0 | 23 32 | 23 32 | 15 35 | 8 46 | 1 33 |
| S 24 | 23 18 | 22 38 | 2 28 | 18 38 | 4 44 | 18 58 | 1 43 | 0s 6 | 0 3 | 7 16 | 1 18 | 11 44 | 2 19 | 20 58 | 0 3 | 14 25 | 1 50 | 7 31 | 12 0 | 23 32 | 23 32 | 15 37 | 8 47 | 1 33 |
| M25 | 23 14 | 20 20 | 3 26 | 18 37 | 4 47 | 18 37 | 1 42 | 0 20 | 0 2 | 7 19 | 1 18 | 11 46 | 2 19 | 20 58 | 0 3 | 14 25 | 1 50 | 7 31 | 12 0 | 23 32 | 23 32 | 15 40 | 8 47 | 1 33 |
| T 26 | 23 10 | 17 0 | 4 14 | 18 37 | 4 49 | 18 15 | 1 41 | 0 34 | 0 1 | 7 21 | 1 19 | 11 47 | 2 19 | 20 57 | 0 3 | 14 25 | 1 50 | 7 31 | 12 1 | 23 32 | 23 32 | 15 42 | 8 48 | 1 33 |
| W27 | 23 6 | 12 47 | 4 51 | 18 38 | 4 49 | 17 53 | 1 40 | 0 48 | 0s 0 | 7 24 | 1 19 | 11 49 | 2 19 | 20 57 | 0 3 | 14 25 | 1 50 | 7 31 | 12 1 | 23 32 | 23 32 | 15 44 | 8 48 | 1 33 |
| T 28 | 23 1 | 7 51 | 5 12 | 18 41 | 4 47 | 17 30 | 1 39 | 1 2 | 0 1 | 7 27 | 1 19 | 11 50 | 2 20 | 20 57 | 0 3 | 14 25 | 1 50 | 7 31 | 12 1 | 23 32 | 23 32 | 15 46 | 8 49 | 1 33 |
| F 29 | 22 55 | 2 28 | 5 16 | 18 46 | 4 43 | 17 7 | 1 38 | 1 16 | 0 3 | 7 29 | 1 19 | 11 51 | 2 20 | 20 56 | 0 3 | 14 25 | 1 50 | 7 31 | 12 1 | 23 32 | 23 32 | 15 49 | 8 49 | 1 33 |
| S 30 | 22n50 | 3s 9 | 5n 2 | 18n51 | 4s38 | 16n44 | 1n37 | 1s30 | 0s 4 | 7n31 | 1s19 | 11n53 | 2s20 | 20s56 | 0n 3 | 14s24 | 1n50 | 7n31 | 12s 1 | 23n32 | 23n32 | 15n51 | 8n49 | 1n33 |

Julian Day Number = 2139420.5, Delta T = 15m30s
Ecliptic obliquity = 23°33'00, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'32, Lahiri = 11°56'33 Julian Calendar 1 June 1145 == Greg. Calendar 8 June 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## JULY 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 1 29 | 14♋48'30 | 4♏ 6 | 3°R34 | 20♌10 | 4♎ 9 | 22♈30 | 7♉35 | 3°R40 | 14°R 7 | 25♉26 | 2♋21 | 1♋46 | 24♉17 | 18♈47 | S 1 |
| M 2 | 19 5 25 | 15°45'44 | 18°32 | 3♋20 | 21°21 | 4°43 | 22°37 | 7°40 | 3♐38 | 14♏ 7 | 25°27 | 2°22 | 1°43 | 24°24 | 18°48 | M 2 |
| T 3 | 19 9 22 | 16°42'59 | 3♐ 8 | 3°10 | 22°31 | 5°16 | 22°43 | 7°44 | 3°37 | 14° 6 | 25°28 | 2°23 | 1°40 | 24°31 | 18°49 | T 3 |
| W 4 | 19 13 18 | 17°40'14 | 17°49 | 3°D 6 | 23°42 | 5°49 | 22°50 | 7°48 | 3°35 | 14° 6 | 25°29 | 2°24 | 1°37 | 24°37 | 18°50 | W 4 |
| T 5 | 19 17 15 | 18°37'30 | 2♑30 | 3° 8 | 24°53 | 6°23 | 22°56 | 7°53 | 3°34 | 14° 5 | 25°30 | 2°R24 | 1°33 | 24°44 | 18°50 | T 5 |
| F 6 | 19 21 11 | 19°34'46 | 17° 3 | 3°15 | 26° 4 | 6°57 | 23° 2 | 7°57 | 3°32 | 14° 5 | 25°31 | 2°24 | 1°30 | 24°51 | 18°51 | F 6 |
| S 7 | 19 25 8 | 20°32'03 | 1♒23 | 3°29 | 27°14 | 7°31 | 23° 8 | 8° 1 | 3°31 | 14° 4 | 25°32 | 2°23 | 1°27 | 24°57 | 18°52 | S 7 |
| S 8 | 19 29 5 | 21°29'21 | 15°25 | 3°48 | 28°25 | 8° 5 | 23°14 | 8° 5 | 3°29 | 14° 4 | 25°33 | 2°21 | 1°24 | 25° 4 | 18°52 | S 8 |
| M 9 | 19 33 1 | 22°26'40 | 29° 6 | 4°14 | 29°35 | 8°39 | 23°19 | 8° 8 | 3°28 | 14° 4 | 25°33 | 2°18 | 1°21 | 25°11 | 18°53 | M 9 |
| T 10 | 19 36 58 | 23°23'59 | 12♓22 | 4°45 | 0♍46 | 9°14 | 23°25 | 8°12 | 3°27 | 14° 3 | 25°34 | 2°15 | 1°18 | 25°17 | 18°53 | T 10 |
| W11 | 19 40 54 | 24°21'20 | 25°16 | 5°23 | 1°56 | 9°48 | 23°30 | 8°16 | 3°25 | 14° 3 | 25°35 | 2°12 | 1°14 | 25°24 | 18°53 | W11 |
| T 12 | 19 44 51 | 25°18'42 | 7♈49 | 6° 7 | 3° 6 | 10°23 | 23°35 | 8°19 | 3°24 | 14° 3 | 25°36 | 2°10 | 1°11 | 25°31 | 18°53 | T 12 |
| F 13 | 19 48 47 | 26°16'05 | 20° 5 | 6°57 | 4°16 | 10°58 | 23°40 | 8°23 | 3°23 | 14° 3 | 25°37 | 2° 9 | 1° 8 | 25°37 | 18°54 | F 13 |
| S 14 | 19 52 44 | 27°13'29 | 2♉ 7 | 7°52 | 5°27 | 11°33 | 23°45 | 8°26 | 3°22 | 14° 2 | 25°37 | 2°D 9 | 1° 5 | 25°44 | 18°54 | S 14 |
| S 15 | 19 56 40 | 28°10'54 | 14° 0 | 8°54 | 6°37 | 12° 8 | 23°50 | 8°30 | 3°21 | 14° 2 | 25°38 | 2°10 | 1° 2 | 25°51 | 18°54 | S 15 |
| M16 | 20 0 37 | 29° 8'21 | 25°50 | 10° 1 | 7°47 | 12°44 | 23°54 | 8°33 | 3°20 | 14° 2 | 25°39 | 2°12 | 0°58 | 25°58 | 18°54 | M16 |
| T 17 | 20 4 34 | 0♌ 5'49 | 7♊41 | 11°13 | 8°56 | 13°19 | 23°58 | 8°36 | 3°19 | 14° 2 | 25°39 | 2°13 | 0°55 | 26° 4 | 18°R54 | T 17 |
| W18 | 20 8 30 | 1° 3'18 | 19°37 | 12°31 | 10° 6 | 13°55 | 24° 3 | 8°39 | 3°18 | 14° 2 | 25°40 | 2°15 | 0°52 | 26°11 | 18°54 | W18 |
| T 19 | 20 12 27 | 2° 0'49 | 1♋42 | 13°55 | 11°16 | 14°31 | 24° 6 | 8°42 | 3°17 | 14° 2 | 25°41 | 2°R15 | 0°49 | 26°18 | 18°54 | T 19 |
| F 20 | 20 16 23 | 2°58'20 | 13°59 | 15°23 | 12°26 | 15° 7 | 24°10 | 8°45 | 3°16 | 14°D 2 | 25°41 | 2°15 | 0°46 | 26°24 | 18°54 | F 20 |
| S 21 | 20 20 20 | 3°55'53 | 26°31 | 16°55 | 13°35 | 15°43 | 24°14 | 8°47 | 3°15 | 14° 2 | 25°42 | 2°13 | 0°43 | 26°31 | 18°54 | S 21 |
| S 22 | 20 24 16 | 4°53'28 | 9♌17 | 18°32 | 14°45 | 16°20 | 24°17 | 8°50 | 3°14 | 14° 2 | 25°43 | 2° 9 | 0°39 | 26°38 | 18°53 | S 22 |
| M23 | 20 28 13 | 5°51'03 | 22°20 | 20°13 | 15°54 | 16°56 | 24°20 | 8°52 | 3°14 | 14° 2 | 25°43 | 2° 4 | 0°36 | 26°44 | 18°53 | M23 |
| T 24 | 20 32 9 | 6°48'39 | 5♍37 | 21°58 | 17° 4 | 17°33 | 24°23 | 8°55 | 3°13 | 14° 2 | 25°44 | 1°59 | 0°33 | 26°51 | 18°53 | T 24 |
| W25 | 20 36 6 | 7°46'17 | 19° 8 | 23°46 | 18°13 | 18° 9 | 24°26 | 8°57 | 3°12 | 14° 2 | 25°44 | 1°53 | 0°30 | 26°58 | 18°52 | W25 |
| T 26 | 20 40 3 | 8°43'55 | 2♎51 | 25°37 | 19°22 | 18°46 | 24°29 | 8°59 | 3°12 | 14° 2 | 25°45 | 1°48 | 0°27 | 27° 4 | 18°52 | T 26 |
| F 27 | 20 43 59 | 9°41'35 | 16°43 | 27°30 | 20°31 | 19°23 | 24°31 | 9° 1 | 3°11 | 14° 2 | 25°45 | 1°45 | 0°24 | 27°11 | 18°51 | F 27 |
| S 28 | 20 47 56 | 10°39'16 | 0♏44 | 29°26 | 21°40 | 20° 1 | 24°33 | 9° 3 | 3°11 | 14° 3 | 25°46 | 1°43 | 0°20 | 27°18 | 18°50 | S 28 |
| S 29 | 20 51 52 | 11°36'57 | 14°51 | 1♌23 | 22°49 | 20°38 | 24°35 | 9° 5 | 3°11 | 14° 3 | 25°46 | 1°D42 | 0°17 | 27°24 | 18°50 | S 29 |
| M30 | 20 55 49 | 12°34'40 | 29° 3 | 3°22 | 23°58 | 21°15 | 24°37 | 9° 7 | 3°10 | 14° 3 | 25°47 | 1°43 | 0°14 | 27°31 | 18°49 | M30 |
| T 31 | 20 59 45 | 13♌32'24 | 13♐19 | 5♌22 | 25♍ 7 | 21♎53 | 24♈39 | 9♉ 9 | 3♐10 | 14♏ 4 | 25♉47 | 1♋45 | 0♋11 | 27♉38 | 18♈48 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n43 | 8s43 | 4n30 | 18n58 | 4s32 | 16n20 | 1n35 | 1s44 | 0s 5 | 7n34 | 1s20 | 11n54 | 2s20 | 20s56 | 0n 3 | 14s24 | 1n50 | 7n31 | 12s 1 | 23n32 | 23n32 | 15n53 | 8n50 | 1n33 |
| M 2 | 22 37 | 13 54 | 3 40 | 19 6 | 4 24 | 15 56 | 1 34 | 1 58 | 0 6 | 7 36 | 1 20 | 11 55 | 2 20 | 20 55 | 0 3 | 14 24 | 1 50 | 7 31 | 12 1 | 23 32 | 23 32 | 15 56 | 8 50 | 1 33 |
| T 3 | 22 30 | 18 21 | 2 35 | 19 15 | 4 15 | 15 32 | 1 32 | 2 12 | 0 7 | 7 38 | 1 20 | 11 56 | 2 21 | 20 55 | 0 3 | 14 24 | 1 50 | 7 31 | 12 2 | 23 32 | 23 32 | 15 58 | 8 50 | 1 33 |
| W 4 | 22 23 | 21 40 | 1 20 | 19 26 | 4 5 | 15 7 | 1 31 | 2 27 | 0 8 | 7 41 | 1 20 | 11 58 | 2 21 | 20 55 | 0 3 | 14 24 | 1 50 | 7 31 | 12 2 | 23 32 | 23 32 | 16 0 | 8 51 | 1 33 |
| T 5 | 22 15 | 23 32 | 0s 0 | 19 37 | 3 54 | 14 41 | 1 29 | 2 41 | 0 9 | 7 43 | 1 20 | 11 59 | 2 21 | 20 55 | 0 3 | 14 24 | 1 50 | 7 31 | 12 2 | 23 32 | 23 32 | 16 3 | 8 51 | 1 33 |
| F 6 | 22 7 | 23 47 | 1 20 | 19 49 | 3 42 | 14 16 | 1 27 | 2 56 | 0 10 | 7 45 | 1 21 | 12 0 | 2 21 | 20 54 | 0 3 | 14 24 | 1 49 | 7 32 | 12 2 | 23 32 | 23 32 | 16 5 | 8 51 | 1 33 |
| S 7 | 21 58 | 22 26 | 2 33 | 20 1 | 3 29 | 13 49 | 1 25 | 3 10 | 0 11 | 7 47 | 1 21 | 12 1 | 2 21 | 20 54 | 0 3 | 14 24 | 1 49 | 7 32 | 12 2 | 23 32 | 23 33 | 16 7 | 8 51 | 1 33 |
| S 8 | 21 49 | 19 43 | 3 36 | 20 14 | 3 16 | 13 23 | 1 24 | 3 25 | 0 12 | 7 49 | 1 21 | 12 2 | 2 22 | 20 54 | 0 3 | 14 24 | 1 49 | 7 32 | 12 2 | 23 32 | 23 33 | 16 9 | 8 52 | 1 33 |
| M 9 | 21 40 | 15 57 | 4 24 | 20 27 | 3 2 | 12 56 | 1 21 | 3 39 | 0 13 | 7 51 | 1 21 | 12 3 | 2 22 | 20 54 | 0 3 | 14 24 | 1 49 | 7 32 | 12 3 | 23 32 | 23 33 | 16 12 | 8 52 | 1 33 |
| T 10 | 21 31 | 11 30 | 4 56 | 20 41 | 2 47 | 12 29 | 1 19 | 3 54 | 0 14 | 7 52 | 1 22 | 12 4 | 2 22 | 20 53 | 0 3 | 14 24 | 1 49 | 7 32 | 12 3 | 23 32 | 23 33 | 16 14 | 8 52 | 1 33 |
| W11 | 21 21 | 6 40 | 5 13 | 20 54 | 2 32 | 12 2 | 1 17 | 4 8 | 0 16 | 7 54 | 1 22 | 12 5 | 2 22 | 20 53 | 0 3 | 14 24 | 1 49 | 7 32 | 12 3 | 23 32 | 23 33 | 16 16 | 8 52 | 1 33 |
| T 12 | 21 10 | 1 41 | 5 13 | 21 7 | 2 17 | 11 34 | 1 15 | 4 23 | 0 17 | 7 56 | 1 22 | 12 6 | 2 22 | 20 53 | 0 3 | 14 24 | 1 49 | 7 32 | 12 3 | 23 32 | 23 33 | 16 19 | 8 52 | 1 33 |
| F 13 | 21 0 | 3n15 | 5 0 | 21 20 | 2 2 | 11 7 | 1 12 | 4 38 | 0 18 | 7 57 | 1 22 | 12 7 | 2 23 | 20 53 | 0 3 | 14 23 | 1 49 | 7 32 | 12 3 | 23 32 | 23 33 | 16 21 | 8 52 | 1 33 |
| S 14 | 20 49 | 7 59 | 4 33 | 21 32 | 1 47 | 10 39 | 1 10 | 4 52 | 0 19 | 7 59 | 1 23 | 12 8 | 2 23 | 20 52 | 0 3 | 14 23 | 1 49 | 7 32 | 12 4 | 23 32 | 23 33 | 16 23 | 8 52 | 1 33 |
| S 15 | 20 37 | 12 23 | 3 55 | 21 44 | 1 31 | 10 10 | 1 7 | 5 7 | 0 20 | 8 0 | 1 23 | 12 8 | 2 23 | 20 52 | 0 3 | 14 23 | 1 49 | 7 32 | 12 4 | 23 32 | 23 33 | 16 25 | 8 53 | 1 33 |
| M16 | 20 25 | 16 17 | 3 7 | 21 54 | 1 16 | 9 42 | 1 5 | 5 22 | 0 20 | 8 2 | 1 23 | 12 9 | 2 23 | 20 52 | 0 3 | 14 24 | 1 49 | 7 32 | 12 4 | 23 32 | 23 33 | 16 28 | 8 53 | 1 33 |
| T 17 | 20 13 | 19 32 | 2 11 | 22 3 | 1 1 | 9 13 | 1 2 | 5 37 | 0 21 | 8 3 | 1 23 | 12 10 | 2 24 | 20 52 | 0 3 | 14 24 | 1 49 | 7 31 | 12 4 | 23 32 | 23 33 | 16 30 | 8 53 | 1 33 |
| W18 | 20 1 | 22 0 | 1 9 | 22 11 | 0 46 | 8 44 | 0 59 | 5 52 | 0 22 | 8 4 | 1 24 | 12 11 | 2 24 | 20 52 | 0 3 | 14 24 | 1 49 | 7 31 | 12 4 | 23 32 | 23 33 | 16 32 | 8 53 | 1 33 |
| T 19 | 19 48 | 23 29 | 0 3 | 22 17 | 0 32 | 8 14 | 0 56 | 6 6 | 0 23 | 8 6 | 1 24 | 12 12 | 2 24 | 20 52 | 0 3 | 14 24 | 1 49 | 7 31 | 12 4 | 23 32 | 23 33 | 16 34 | 8 53 | 1 34 |
| F 20 | 19 35 | 23 52 | 1n 4 | 22 22 | 0 18 | 7 45 | 0 53 | 6 21 | 0 24 | 8 7 | 1 24 | 12 12 | 2 24 | 20 51 | 0 3 | 14 24 | 1 49 | 7 31 | 12 5 | 23 32 | 23 33 | 16 37 | 8 53 | 1 34 |
| S 21 | 19 22 | 23 3 | 2 9 | 22 24 | 0 5 | 7 15 | 0 50 | 6 36 | 0 25 | 8 8 | 1 24 | 12 13 | 2 24 | 20 51 | 0 3 | 14 24 | 1 49 | 7 31 | 12 5 | 23 32 | 23 33 | 16 39 | 8 52 | 1 34 |
| S 22 | 19 8 | 21 2 | 3 9 | 22 24 | 0n 8 | 6 45 | 0 47 | 6 51 | 0 26 | 8 9 | 1 25 | 12 13 | 2 25 | 20 51 | 0 3 | 14 24 | 1 48 | 7 31 | 12 5 | 23 32 | 23 33 | 16 41 | 8 52 | 1 34 |
| M23 | 18 54 | 17 54 | 4 0 | 22 21 | 0 20 | 6 15 | 0 44 | 7 6 | 0 27 | 8 10 | 1 25 | 12 14 | 2 25 | 20 51 | 0 3 | 14 24 | 1 48 | 7 31 | 12 5 | 23 32 | 23 33 | 16 43 | 8 52 | 1 34 |
| T 24 | 18 39 | 13 48 | 4 39 | 22 16 | 0 32 | 5 45 | 0 41 | 7 21 | 0 28 | 8 11 | 1 25 | 12 15 | 2 25 | 20 51 | 0 3 | 14 24 | 1 48 | 7 31 | 12 5 | 23 32 | 23 33 | 16 46 | 8 52 | 1 34 |
| W25 | 18 25 | 8 58 | 5 3 | 22 9 | 0 43 | 5 15 | 0 37 | 7 36 | 0 29 | 8 11 | 1 25 | 12 15 | 2 25 | 20 51 | 0 3 | 14 24 | 1 48 | 7 31 | 12 6 | 23 32 | 23 33 | 16 48 | 8 52 | 1 34 |
| T 26 | 18 10 | 3 37 | 5 11 | 21 59 | 0 53 | 4 45 | 0 34 | 7 51 | 0 30 | 8 12 | 1 26 | 12 16 | 2 26 | 20 51 | 0 3 | 14 24 | 1 48 | 7 31 | 12 6 | 23 32 | 23 33 | 16 50 | 8 52 | 1 34 |
| F 27 | 17 54 | 1s59 | 5 0 | 21 46 | 1 2 | 4 14 | 0 30 | 8 6 | 0 31 | 8 13 | 1 26 | 12 16 | 2 26 | 20 51 | 0 3 | 14 24 | 1 48 | 7 31 | 12 6 | 23 32 | 23 33 | 16 52 | 8 52 | 1 34 |
| S 28 | 17 39 | 7 32 | 4 32 | 21 30 | 1 10 | 3 44 | 0 27 | 8 21 | 0 31 | 8 13 | 1 26 | 12 16 | 2 26 | 20 50 | 0 3 | 14 24 | 1 48 | 7 31 | 12 6 | 23 32 | 23 33 | 16 54 | 8 51 | 1 34 |
| S 29 | 17 23 | 12 45 | 3 47 | 21 12 | 1 17 | 3 13 | 0 23 | 8 36 | 0 32 | 8 14 | 1 26 | 12 17 | 2 26 | 20 50 | 0 3 | 14 25 | 1 48 | 7 31 | 12 7 | 23 32 | 23 33 | 16 57 | 8 51 | 1 34 |
| M30 | 17 7 | 17 18 | 2 48 | 20 51 | 1 24 | 2 42 | 0 19 | 8 50 | 0 33 | 8 14 | 1 27 | 12 17 | 2 27 | 20 50 | 0 3 | 14 25 | 1 48 | 7 31 | 12 7 | 23 32 | 23 33 | 16 59 | 8 51 | 1 34 |
| T 31 | 16n50 | 20s52 | 1n38 | 20n28 | 1n30 | 2n11 | 0n16 | 9s 5 | 0s34 | 8n15 | 1s27 | 12n18 | 2s27 | 20s50 | 0n 3 | 14s25 | 1n48 | 7n30 | 12s 7 | 23n32 | 23n33 | 17n 1 | 8n51 | 1n34 |

Julian Day Number = 2139450.5, Delta T = 15m30s
Ecliptic obliquity = 23°33'00, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'36, Lahiri = 11°56'37 Julian Calendar 1 July 1145 == Greg. Calendar 8 July 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## AUGUST 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 3 42 | 14♌30'09 | 27♐35 | 7♌22 | 26♍15 | 22♎31 | 24♈40 | 9♉10 | 3°R10 | 14♏ 4 | 25♉48 | 1°R45 | 0♋ 8 | 27♉44 | 18°R48 | W 1 |
| T 2 | 21 7 38 | 15°27'56 | 11♑49 | 9°22 | 27°24 | 23° 9 | 24°41 | 9°12 | 3♐ 9 | 14° 4 | 25°48 | 1♋45 | 0° 4 | 27°51 | 18♈47 | T 2 |
| F 3 | 21 11 35 | 16°25'43 | 25°58 | 11°23 | 28°32 | 23°47 | 24°43 | 9°13 | 3° 9 | 14° 5 | 25°48 | 1°43 | 0° 1 | 27°58 | 18°46 | F 3 |
| S 4 | 21 15 32 | 17°23'33 | 9♒58 | 13°24 | 29°40 | 24°25 | 24°43 | 9°15 | 3° 9 | 14° 5 | 25°49 | 1°39 | 29♊58 | 28° 4 | 18°45 | S 4 |
| S 5 | 21 19 28 | 18°21'23 | 23°44 | 15°24 | 0♎49 | 25° 3 | 24°44 | 9°16 | 3° 9 | 14° 6 | 25°49 | 1°32 | 29°55 | 28°11 | 18°44 | S 5 |
| M 6 | 21 23 25 | 19°19'15 | 7♓13 | 17°23 | 1°57 | 25°41 | 24°44 | 9°17 | 3°D 9 | 14° 6 | 25°49 | 1°25 | 29°52 | 28°18 | 18°43 | M 6 |
| T 7 | 21 27 21 | 20°17'09 | 20°24 | 19°22 | 3° 5 | 26°20 | 24°45 | 9°18 | 3° 9 | 14° 7 | 25°50 | 1°16 | 29°49 | 28°24 | 18°42 | T 7 |
| W 8 | 21 31 18 | 21°15'04 | 3♈15 | 21°20 | 4°12 | 26°58 | 24°R45 | 9°19 | 3° 9 | 14° 8 | 25°50 | 1° 8 | 29°45 | 28°31 | 18°40 | W 8 |
| T 9 | 21 35 14 | 22°13'01 | 15°47 | 23°17 | 5°20 | 27°37 | 24°45 | 9°19 | 3° 9 | 14° 8 | 25°50 | 1° 1 | 29°42 | 28°38 | 18°39 | T 9 |
| F 10 | 21 39 11 | 23°11'00 | 28° 2 | 25°13 | 6°28 | 28°16 | 24°44 | 9°20 | 3° 9 | 14° 9 | 25°50 | 0°56 | 29°39 | 28°44 | 18°38 | F 10 |
| S 11 | 21 43 7 | 24° 9'01 | 10♉ 4 | 27° 8 | 7°35 | 28°55 | 24°44 | 9°21 | 3°10 | 14°10 | 25°50 | 0°53 | 29°36 | 28°51 | 18°37 | S 11 |
| S 12 | 21 47 4 | 25° 7'04 | 21°57 | 29° 2 | 8°42 | 29°34 | 24°43 | 9°21 | 3°10 | 14°10 | 25°51 | 0°D52 | 29°33 | 28°58 | 18°35 | S 12 |
| M13 | 21 51 1 | 26° 5'09 | 3♊46 | 0♍54 | 9°49 | 0♏13 | 24°42 | 9°21 | 3°10 | 14°11 | 25°51 | 0°52 | 29°29 | 29° 4 | 18°34 | M13 |
| T 14 | 21 54 57 | 27° 3'16 | 15°38 | 2°46 | 10°56 | 0°52 | 24°41 | 9°22 | 3°11 | 14°12 | 25°51 | 0°53 | 29°26 | 29°11 | 18°32 | T 14 |
| W15 | 21 58 54 | 28° 1'25 | 27°35 | 4°36 | 12° 3 | 1°32 | 24°40 | 9°22 | 3°11 | 14°13 | 25°51 | 0°R54 | 29°23 | 29°18 | 18°31 | W15 |
| T 16 | 22 2 50 | 28°59'36 | 9♋45 | 6°25 | 13°10 | 2°11 | 24°38 | 9°R22 | 3°12 | 14°13 | 25°51 | 0°53 | 29°20 | 29°24 | 18°29 | T 16 |
| F 17 | 22 6 47 | 29°57'49 | 22°10 | 8°13 | 14°17 | 2°51 | 24°36 | 9°22 | 3°12 | 14°14 | 25°51 | 0°51 | 29°17 | 29°31 | 18°28 | F 17 |
| S 18 | 22 10 43 | 0♍56'04 | 4♌54 | 9°59 | 15°23 | 3°31 | 24°34 | 9°21 | 3°13 | 14°15 | 25°51 | 0°47 | 29°14 | 29°38 | 18°26 | S 18 |
| S 19 | 22 14 40 | 1°54'20 | 17°58 | 11°45 | 16°29 | 4°11 | 24°32 | 9°21 | 3°14 | 14°16 | 25°51 | 0°40 | 29°10 | 29°44 | 18°24 | S 19 |
| M20 | 22 18 36 | 2°52'39 | 1♍23 | 13°29 | 17°35 | 4°51 | 24°30 | 9°21 | 3°14 | 14°17 | 25°R51 | 0°31 | 29° 7 | 29°51 | 18°23 | M20 |
| T 21 | 22 22 33 | 3°50'59 | 15° 6 | 15°12 | 18°41 | 5°31 | 24°27 | 9°20 | 3°15 | 14°18 | 25°51 | 0°20 | 29° 4 | 29°58 | 18°21 | T 21 |
| W22 | 22 26 30 | 4°49'22 | 29° 3 | 16°54 | 19°47 | 6°11 | 24°25 | 9°19 | 3°16 | 14°19 | 25°51 | 0°10 | 29° 1 | 0♊ 4 | 18°19 | W22 |
| T 23 | 22 30 26 | 5°47'46 | 13♎11 | 18°35 | 20°53 | 6°51 | 24°22 | 9°19 | 3°17 | 14°20 | 25°51 | 0° 0 | 28°58 | 0°11 | 18°17 | T 23 |
| F 24 | 22 34 23 | 6°46'11 | 27°25 | 20°14 | 21°58 | 7°32 | 24°19 | 9°18 | 3°18 | 14°21 | 25°51 | 29♊53 | 28°55 | 0°18 | 18°15 | F 24 |
| S 25 | 22 38 19 | 7°44'39 | 11♏40 | 21°53 | 23° 4 | 8°12 | 24°15 | 9°17 | 3°19 | 14°22 | 25°51 | 29°48 | 28°51 | 0°24 | 18°13 | S 25 |
| S 26 | 22 42 16 | 8°43'08 | 25°53 | 23°31 | 24° 9 | 8°53 | 24°12 | 9°16 | 3°20 | 14°24 | 25°51 | 29°46 | 28°48 | 0°31 | 18°11 | S 26 |
| M27 | 22 46 12 | 9°41'38 | 10♐ 2 | 25° 7 | 25°14 | 9°34 | 24° 8 | 9°15 | 3°21 | 14°25 | 25°51 | 29°D45 | 28°45 | 0°38 | 18° 9 | M27 |
| T 28 | 22 50 9 | 10°40'11 | 24° 5 | 26°42 | 26°18 | 10°15 | 24° 4 | 9°13 | 3°22 | 14°26 | 25°50 | 29°R45 | 28°42 | 0°44 | 18° 7 | T 28 |
| W29 | 22 54 5 | 11°38'45 | 8♑ 3 | 28°17 | 27°23 | 10°56 | 24° 0 | 9°12 | 3°23 | 14°27 | 25°50 | 29°45 | 28°39 | 0°51 | 18° 5 | W29 |
| T 30 | 22 58 2 | 12°37'20 | 21°54 | 29°50 | 28°27 | 11°37 | 23°56 | 9°10 | 3°24 | 14°28 | 25°50 | 29°43 | 28°35 | 0°57 | 18° 3 | T 30 |
| F 31 | 23 1 59 | 13♍35'58 | 5♒37 | 1♎22 | 29♎31 | 12♏18 | 23♈52 | 9♉ 9 | 3♐25 | 14♏30 | 25♉50 | 29♊39 | 28♊32 | 1♊ 4 | 18♈ 1 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n33 | 23s 9 | 0n23 | 20n 2 | 1n34 | 1n41 | 0n12 | 9s20 | 0s35 | 8n15 | 1s27 | 12n18 | 2s27 | 20s50 | 0n 3 | 14s25 | 1n48 | 7n30 | 12s 7 | 23n32 | 23n33 | 17n 3 | 8n50 | 1n34 |
| T 2 | 16 16 | 23 55 | 0s54 | 19 34 | 1 38 | 1 10 | 0 8 | 9 35 | 0 36 | 8 15 | 1 27 | 12 18 | 2 27 | 20 50 | 0 3 | 14 25 | 1 48 | 7 30 | 12 7 | 23 32 | 23 33 | 17 6 | 8 50 | 1 34 |
| F 3 | 15 59 | 23 8 | 2 7 | 19 4 | 1 42 | 0 39 | 0 4 | 9 50 | 0 36 | 8 15 | 1 28 | 12 18 | 2 27 | 20 50 | 0 3 | 14 25 | 1 48 | 7 30 | 12 8 | 23 32 | 23 33 | 17 8 | 8 50 | 1 34 |
| S 4 | 15 42 | 20 54 | 3 12 | 18 32 | 1 44 | 0 8 | 0s 0 | 10 5 | 0 37 | 8 16 | 1 28 | 12 18 | 2 28 | 20 50 | 0 3 | 14 26 | 1 48 | 7 30 | 12 8 | 23 32 | 23 33 | 17 10 | 8 49 | 1 34 |
| S 5 | 15 24 | 17 30 | 4 3 | 17 58 | 1 45 | 0s23 | 0 4 | 10 20 | 0 38 | 8 16 | 1 28 | 12 19 | 2 28 | 20 50 | 0 3 | 14 26 | 1 48 | 7 30 | 12 8 | 23 32 | 23 33 | 17 12 | 8 49 | 1 34 |
| M 6 | 15 6 | 13 14 | 4 41 | 17 23 | 1 46 | 0 54 | 0 8 | 10 35 | 0 39 | 8 15 | 1 28 | 12 19 | 2 28 | 20 50 | 0 3 | 14 26 | 1 48 | 7 30 | 12 8 | 23 33 | 23 33 | 17 14 | 8 49 | 1 34 |
| T 7 | 14 47 | 8 26 | 5 2 | 16 46 | 1 46 | 1 25 | 0 13 | 10 49 | 0 40 | 8 15 | 1 29 | 12 19 | 2 28 | 20 50 | 0 3 | 14 26 | 1 47 | 7 29 | 12 8 | 23 33 | 23 33 | 17 17 | 8 48 | 1 34 |
| W 8 | 14 29 | 3 24 | 5 7 | 16 8 | 1 46 | 1 56 | 0 17 | 11 4 | 0 40 | 8 15 | 1 29 | 12 19 | 2 29 | 20 50 | 0 3 | 14 27 | 1 47 | 7 29 | 12 9 | 23 33 | 23 33 | 17 19 | 8 48 | 1 34 |
| T 9 | 14 10 | 1n40 | 4 57 | 15 28 | 1 45 | 2 27 | 0 21 | 11 19 | 0 41 | 8 15 | 1 29 | 12 19 | 2 29 | 20 50 | 0 3 | 14 27 | 1 47 | 7 29 | 12 9 | 23 33 | 23 33 | 17 21 | 8 47 | 1 34 |
| F 10 | 13 51 | 6 34 | 4 34 | 14 48 | 1 43 | 2 58 | 0 26 | 11 33 | 0 42 | 8 15 | 1 29 | 12 19 | 2 29 | 20 50 | 0 3 | 14 27 | 1 47 | 7 29 | 12 9 | 23 33 | 23 33 | 17 23 | 8 47 | 1 34 |
| S 11 | 13 32 | 11 7 | 3 59 | 14 6 | 1 41 | 3 29 | 0 30 | 11 48 | 0 43 | 8 14 | 1 29 | 12 19 | 2 29 | 20 50 | 0 3 | 14 27 | 1 47 | 7 29 | 12 9 | 23 33 | 23 33 | 17 25 | 8 46 | 1 34 |
| S 12 | 13 13 | 15 13 | 3 14 | 13 24 | 1 38 | 4 0 | 0 35 | 12 3 | 0 43 | 8 14 | 1 30 | 12 19 | 2 30 | 20 50 | 0 3 | 14 28 | 1 47 | 7 29 | 12 10 | 23 33 | 23 33 | 17 28 | 8 46 | 1 34 |
| M13 | 12 53 | 18 42 | 2 20 | 12 41 | 1 35 | 4 30 | 0 39 | 12 17 | 0 44 | 8 13 | 1 30 | 12 19 | 2 30 | 20 51 | 0 3 | 14 28 | 1 47 | 7 28 | 12 10 | 23 33 | 23 33 | 17 30 | 8 45 | 1 34 |
| T 14 | 12 33 | 21 26 | 1 21 | 11 57 | 1 31 | 5 1 | 0 44 | 12 32 | 0 45 | 8 12 | 1 30 | 12 18 | 2 30 | 20 51 | 0 3 | 14 28 | 1 47 | 7 28 | 12 10 | 23 33 | 23 33 | 17 32 | 8 45 | 1 34 |
| W15 | 12 13 | 23 14 | 0 18 | 11 13 | 1 27 | 5 32 | 0 48 | 12 46 | 0 46 | 8 12 | 1 30 | 12 18 | 2 30 | 20 51 | 0 3 | 14 28 | 1 47 | 7 28 | 12 10 | 23 33 | 23 33 | 17 34 | 8 44 | 1 34 |
| T 16 | 11 53 | 23 59 | 0n47 | 10 29 | 1 23 | 6 2 | 0 53 | 13 1 | 0 46 | 8 11 | 1 31 | 12 18 | 2 31 | 20 51 | 0 3 | 14 29 | 1 47 | 7 28 | 12 10 | 23 33 | 23 33 | 17 36 | 8 43 | 1 34 |
| F 17 | 11 32 | 23 33 | 1 51 | 9 44 | 1 18 | 6 32 | 0 58 | 13 15 | 0 47 | 8 10 | 1 31 | 12 18 | 2 31 | 20 51 | 0 3 | 14 29 | 1 47 | 7 28 | 12 11 | 23 33 | 23 33 | 17 38 | 8 43 | 1 34 |
| S 18 | 11 12 | 21 54 | 2 51 | 8 59 | 1 13 | 7 3 | 1 2 | 13 29 | 0 48 | 8 9 | 1 31 | 12 17 | 2 31 | 20 51 | 0 3 | 14 29 | 1 47 | 7 27 | 12 11 | 23 33 | 23 33 | 17 41 | 8 42 | 1 34 |
| S 19 | 10 51 | 19 4 | 3 44 | 8 14 | 1 8 | 7 33 | 1 7 | 13 44 | 0 48 | 8 8 | 1 31 | 12 17 | 2 31 | 20 51 | 0 3 | 14 30 | 1 47 | 7 27 | 12 11 | 23 33 | 23 33 | 17 43 | 8 41 | 1 34 |
| M20 | 10 30 | 15 10 | 4 25 | 7 28 | 1 2 | 8 3 | 1 12 | 13 58 | 0 49 | 8 7 | 1 32 | 12 17 | 2 31 | 20 51 | 0 3 | 14 30 | 1 47 | 7 27 | 12 11 | 23 33 | 23 33 | 17 45 | 8 41 | 1 34 |
| T 21 | 10 9 | 10 23 | 4 53 | 6 43 | 0 56 | 8 32 | 1 17 | 14 12 | 0 50 | 8 6 | 1 32 | 12 16 | 2 32 | 20 52 | 0 3 | 14 30 | 1 47 | 7 27 | 12 12 | 23 33 | 23 33 | 17 47 | 8 40 | 1 34 |
| W22 | 9 47 | 5 0 | 5 3 | 5 58 | 0 50 | 9 2 | 1 22 | 14 26 | 0 50 | 8 5 | 1 32 | 12 16 | 2 32 | 20 52 | 0 3 | 14 31 | 1 47 | 7 27 | 12 12 | 23 33 | 23 33 | 17 49 | 8 39 | 1 34 |
| T 23 | 9 26 | 0s42 | 4 55 | 5 12 | 0 43 | 9 31 | 1 26 | 14 40 | 0 51 | 8 4 | 1 32 | 12 15 | 2 32 | 20 52 | 0 3 | 14 31 | 1 47 | 7 26 | 12 12 | 23 33 | 23 33 | 17 51 | 8 39 | 1 34 |
| F 24 | 9 4 | 6 25 | 4 29 | 4 27 | 0 37 | 10 1 | 1 31 | 14 54 | 0 52 | 8 2 | 1 32 | 12 15 | 2 32 | 20 52 | 0 3 | 14 32 | 1 46 | 7 26 | 12 12 | 23 33 | 23 33 | 17 53 | 8 38 | 1 34 |
| S 25 | 8 42 | 11 49 | 3 46 | 3 42 | 0 30 | 10 30 | 1 36 | 15 8 | 0 52 | 8 1 | 1 33 | 12 14 | 2 33 | 20 52 | 0 3 | 14 32 | 1 46 | 7 26 | 12 12 | 23 33 | 23 33 | 17 56 | 8 37 | 1 34 |
| S 26 | 8 20 | 16 34 | 2 50 | 2 57 | 0 23 | 10 58 | 1 41 | 15 22 | 0 53 | 7 59 | 1 33 | 12 14 | 2 33 | 20 52 | 0 3 | 14 32 | 1 46 | 7 26 | 12 13 | 23 33 | 23 33 | 17 58 | 8 36 | 1 34 |
| M27 | 7 58 | 20 22 | 1 43 | 2 12 | 0 16 | 11 27 | 1 46 | 15 35 | 0 53 | 7 58 | 1 33 | 12 13 | 2 33 | 20 53 | 0 3 | 14 33 | 1 46 | 7 25 | 12 13 | 23 33 | 23 33 | 18 0 | 8 36 | 1 34 |
| T 28 | 7 36 | 22 55 | 0 30 | 1 27 | 0 9 | 11 55 | 1 51 | 15 49 | 0 54 | 7 56 | 1 33 | 12 13 | 2 33 | 20 53 | 0 3 | 14 33 | 1 46 | 7 25 | 12 13 | 23 33 | 23 33 | 18 2 | 8 35 | 1 34 |
| W29 | 7 14 | 24 2 | 0s44 | 0 43 | 0 2 | 12 24 | 1 56 | 16 2 | 0 55 | 7 54 | 1 33 | 12 12 | 2 34 | 20 53 | 0 3 | 14 34 | 1 46 | 7 25 | 12 13 | 23 33 | 23 33 | 18 4 | 8 34 | 1 34 |
| T 30 | 6 51 | 23 39 | 1 55 | 0s 1 | 0s 6 | 12 51 | 2 1 | 16 16 | 0 55 | 7 53 | 1 34 | 12 11 | 2 34 | 20 53 | 0 3 | 14 34 | 1 46 | 7 25 | 12 14 | 23 33 | 23 33 | 18 6 | 8 33 | 1 34 |
| F 31 | 6n29 | 21s50 | 2s58 | 0s45 | 0s13 | 13s19 | 2s 6 | 16s29 | 0s56 | 7n51 | 1s34 | 12n11 | 2s34 | 20s54 | 0n 3 | 14s34 | 1n46 | 7n24 | 12s14 | 23n33 | 23n33 | 18n 8 | 8n32 | 1n34 |

Julian Day Number = 2139481.5, Delta T = 15m30s
Ecliptic obliquity = 23°33'00, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'40, Lahiri = 11°56'41 Julian Calendar 1 Aug. 1145 == Greg. Calendar 8 Aug. 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## SEPTEMBER 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 5 55 | 14♍34'37 | 19♒12 | 2♎53 | 0♏35 | 12♏59 | 23°R47 | 9°R 7 | 3♐27 | 14♏31 | 25°R50 | 29°R32 | 28♊29 | 1♊11 | 17°R59 | S 1 |
| S 2 | 23 9 52 | 15°33'18 | 2♓35 | 4°24 | 1°39 | 13°41 | 23♈42 | 9♉ 5 | 3°28 | 14°32 | 25♉49 | 29♊22 | 28°26 | 1°17 | 17♈56 | S 2 |
| M 3 | 23 13 48 | 16°32'01 | 15°46 | 5°53 | 2°42 | 14°22 | 23°37 | 9° 3 | 3°29 | 14°34 | 25°49 | 29°10 | 28°23 | 1°24 | 17°54 | M 3 |
| T 4 | 23 17 45 | 17°30'46 | 28°42 | 7°21 | 3°45 | 15° 4 | 23°32 | 9° 1 | 3°31 | 14°35 | 25°49 | 28°58 | 28°20 | 1°31 | 17°52 | T 4 |
| W 5 | 23 21 41 | 18°29'33 | 11♈23 | 8°48 | 4°48 | 15°45 | 23°27 | 8°59 | 3°32 | 14°37 | 25°48 | 28°45 | 28°16 | 1°37 | 17°49 | W 5 |
| T 6 | 23 25 38 | 19°28'22 | 23°48 | 10°14 | 5°50 | 16°27 | 23°22 | 8°57 | 3°34 | 14°38 | 25°48 | 28°34 | 28°13 | 1°44 | 17°47 | T 6 |
| F 7 | 23 29 34 | 20°27'13 | 5♉59 | 11°39 | 6°53 | 17° 9 | 23°16 | 8°55 | 3°36 | 14°40 | 25°48 | 28°24 | 28°10 | 1°51 | 17°44 | F 7 |
| S 8 | 23 33 31 | 21°26'07 | 17°59 | 13° 3 | 7°55 | 17°51 | 23°10 | 8°52 | 3°37 | 14°41 | 25°47 | 28°18 | 28° 7 | 1°57 | 17°42 | S 8 |
| S 9 | 23 37 27 | 22°25'03 | 29°51 | 14°26 | 8°56 | 18°33 | 23° 4 | 8°50 | 3°39 | 14°43 | 25°47 | 28°14 | 28° 4 | 2° 4 | 17°40 | S 9 |
| M10 | 23 41 24 | 23°24'01 | 11♊39 | 15°47 | 9°58 | 19°15 | 22°58 | 8°47 | 3°41 | 14°44 | 25°46 | 28°12 | 28° 1 | 2°11 | 17°37 | M10 |
| T 11 | 23 45 21 | 24°23'02 | 23°28 | 17° 8 | 10°59 | 19°57 | 22°52 | 8°45 | 3°42 | 14°46 | 25°46 | 28°12 | 27°57 | 2°17 | 17°35 | T 11 |
| W12 | 23 49 17 | 25°22'05 | 5♋25 | 18°27 | 12° 0 | 20°39 | 22°46 | 8°42 | 3°44 | 14°47 | 25°46 | 28°12 | 27°54 | 2°24 | 17°32 | W12 |
| T 13 | 23 53 14 | 26°21'10 | 17°35 | 19°45 | 13° 0 | 21°22 | 22°39 | 8°39 | 3°46 | 14°49 | 25°45 | 28°11 | 27°51 | 2°31 | 17°29 | T 13 |
| F 14 | 23 57 10 | 27°20'18 | 0♌ 3 | 21° 1 | 14° 0 | 22° 4 | 22°33 | 8°36 | 3°48 | 14°51 | 25°45 | 28° 8 | 27°48 | 2°37 | 17°27 | F 14 |
| S 15 | 0 1 7 | 28°19'28 | 12°52 | 22°17 | 15° 0 | 22°47 | 22°26 | 8°33 | 3°50 | 14°52 | 25°44 | 28° 3 | 27°45 | 2°44 | 17°24 | S 15 |
| S 16 | 0 5 3 | 29°18'40 | 26° 6 | 23°30 | 15°59 | 23°30 | 22°19 | 8°30 | 3°52 | 14°54 | 25°43 | 27°55 | 27°41 | 2°51 | 17°22 | S 16 |
| M17 | 0 9 0 | 0♎17'54 | 9♍46 | 24°42 | 16°59 | 24°12 | 22°12 | 8°27 | 3°54 | 14°56 | 25°43 | 27°45 | 27°38 | 2°57 | 17°19 | M17 |
| T 18 | 0 12 56 | 1°17'11 | 23°49 | 25°52 | 17°57 | 24°55 | 22° 5 | 8°23 | 3°56 | 14°57 | 25°42 | 27°33 | 27°35 | 3° 4 | 17°16 | T 18 |
| W19 | 0 16 53 | 2°16'30 | 8♎11 | 27° 1 | 18°55 | 25°38 | 21°58 | 8°20 | 3°58 | 14°59 | 25°42 | 27°21 | 27°32 | 3°11 | 17°13 | W19 |
| T 20 | 0 20 50 | 3°15'50 | 22°46 | 28° 7 | 19°53 | 26°21 | 21°51 | 8°16 | 4° 1 | 15° 1 | 25°41 | 27° 9 | 27°29 | 3°17 | 17°11 | T 20 |
| F 21 | 0 24 46 | 4°15'13 | 7♏26 | 29°12 | 20°51 | 27° 4 | 21°43 | 8°13 | 4° 3 | 15° 3 | 25°40 | 27° 0 | 27°26 | 3°24 | 17° 8 | F 21 |
| S 22 | 0 28 43 | 5°14'38 | 22° 3 | 0♏14 | 21°48 | 27°48 | 21°36 | 8° 9 | 4° 5 | 15° 4 | 25°40 | 26°54 | 27°22 | 3°31 | 17° 5 | S 22 |
| S 23 | 0 32 39 | 6°14'04 | 6♐33 | 1°13 | 22°44 | 28°31 | 21°28 | 8° 6 | 4° 7 | 15° 6 | 25°39 | 26°51 | 27°19 | 3°37 | 17° 2 | S 23 |
| M24 | 0 36 36 | 7°13'33 | 20°52 | 2° 9 | 23°40 | 29°14 | 21°21 | 8° 2 | 4°10 | 15° 8 | 25°38 | 26°50 | 27°16 | 3°44 | 17° 0 | M24 |
| T 25 | 0 40 32 | 8°13'03 | 4♑56 | 3° 3 | 24°36 | 29°58 | 21°13 | 7°58 | 4°12 | 15°10 | 25°38 | 26°50 | 27°13 | 3°51 | 16°57 | T 25 |
| W26 | 0 44 29 | 9°12'35 | 18°47 | 3°53 | 25°31 | 0♐41 | 21° 5 | 7°54 | 4°15 | 15°12 | 25°37 | 26°50 | 27°10 | 3°57 | 16°54 | W26 |
| T 27 | 0 48 25 | 10°12'09 | 2♒24 | 4°39 | 26°25 | 1°25 | 20°57 | 7°50 | 4°17 | 15°14 | 25°36 | 26°48 | 27° 6 | 4° 4 | 16°51 | T 27 |
| F 28 | 0 52 22 | 11°11'44 | 15°48 | 5°22 | 27°19 | 2° 9 | 20°50 | 7°46 | 4°20 | 15°16 | 25°35 | 26°44 | 27° 3 | 4°11 | 16°48 | F 28 |
| S 29 | 0 56 19 | 12°11'21 | 29° 1 | 5°59 | 28°12 | 2°52 | 20°42 | 7°42 | 4°22 | 15°18 | 25°35 | 26°37 | 27° 0 | 4°17 | 16°46 | S 29 |
| S 30 | 1 0 15 | 13♎11'00 | 12♓ 2 | 6♏32 | 29♏ 5 | 3♐36 | 20♈34 | 7♉38 | 4♐25 | 15♏20 | 25♉34 | 26♊27 | 26♊57 | 4♊24 | 16♈43 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n 6 | 18s47 | 3s50 | 1s28 | 0s21 | 13s46 | 2s11 | 16s42 | 0s56 | 7n49 | 1s34 | 12n10 | 2s34 | 20s54 | 0n 3 | 14s35 | 1n46 | 7n24 | 12s14 | 23n33 | 23n32 | 18n11 | 8n31 | 1n34 |
| S 2 | 5 43 | 14 47 | 4 29 | 2 11 | 0 28 | 14 13 | 2 16 | 16 55 | 0 57 | 7 47 | 1 34 | 12 9 | 2 34 | 20 54 | 0 3 | 14 35 | 1 46 | 7 24 | 12 14 | 23 33 | 23 32 | 18 13 | 8 31 | 1 34 |
| M 3 | 5 20 | 10 8 | 4 53 | 2 54 | 0 36 | 14 40 | 2 21 | 17 8 | 0 57 | 7 45 | 1 34 | 12 8 | 2 35 | 20 54 | 0 3 | 14 36 | 1 46 | 7 24 | 12 14 | 23 33 | 23 32 | 18 15 | 8 30 | 1 34 |
| T 4 | 4 57 | 5 7 | 5 1 | 3 36 | 0 43 | 15 7 | 2 26 | 17 21 | 0 58 | 7 43 | 1 34 | 12 8 | 2 35 | 20 55 | 0 3 | 14 36 | 1 46 | 7 23 | 12 15 | 23 33 | 23 32 | 18 17 | 8 29 | 1 34 |
| W 5 | 4 34 | 0n 1 | 4 54 | 4 17 | 0 51 | 15 33 | 2 31 | 17 34 | 0 59 | 7 41 | 1 35 | 12 7 | 2 35 | 20 55 | 0 3 | 14 37 | 1 46 | 7 23 | 12 15 | 23 33 | 23 32 | 18 19 | 8 28 | 1 33 |
| T 6 | 4 11 | 5 4 | 4 32 | 4 58 | 0 59 | 15 59 | 2 36 | 17 47 | 0 59 | 7 39 | 1 35 | 12 6 | 2 35 | 20 55 | 0 3 | 14 37 | 1 46 | 7 23 | 12 15 | 23 33 | 23 32 | 18 21 | 8 27 | 1 33 |
| F 7 | 3 48 | 9 49 | 3 59 | 5 39 | 1 6 | 16 24 | 2 41 | 17 59 | 1 0 | 7 37 | 1 35 | 12 5 | 2 35 | 20 56 | 0 2 | 14 38 | 1 46 | 7 22 | 12 15 | 23 32 | 23 32 | 18 23 | 8 26 | 1 33 |
| S 8 | 3 25 | 14 8 | 3 16 | 6 18 | 1 14 | 16 49 | 2 46 | 18 12 | 1 0 | 7 34 | 1 35 | 12 4 | 2 36 | 20 56 | 0 2 | 14 38 | 1 46 | 7 22 | 12 15 | 23 32 | 23 32 | 18 25 | 8 25 | 1 33 |
| S 9 | 3 1 | 17 52 | 2 24 | 6 58 | 1 21 | 17 14 | 2 51 | 18 24 | 1 1 | 7 32 | 1 35 | 12 3 | 2 36 | 20 56 | 0 2 | 14 39 | 1 46 | 7 22 | 12 16 | 23 32 | 23 32 | 18 27 | 8 24 | 1 33 |
| M10 | 2 38 | 20 51 | 1 27 | 7 36 | 1 29 | 17 38 | 2 55 | 18 36 | 1 1 | 7 30 | 1 35 | 12 2 | 2 36 | 20 57 | 0 2 | 14 39 | 1 46 | 7 22 | 12 16 | 23 32 | 23 32 | 18 29 | 8 23 | 1 33 |
| T 11 | 2 14 | 22 58 | 0 25 | 8 14 | 1 36 | 18 3 | 3 0 | 18 48 | 1 2 | 7 27 | 1 35 | 12 1 | 2 36 | 20 57 | 0 2 | 14 40 | 1 46 | 7 21 | 12 16 | 23 32 | 23 32 | 18 32 | 8 22 | 1 33 |
| W12 | 1 51 | 24 4 | 0n38 | 8 51 | 1 44 | 18 26 | 3 5 | 19 0 | 1 2 | 7 25 | 1 36 | 12 0 | 2 36 | 20 57 | 0 2 | 14 40 | 1 45 | 7 21 | 12 16 | 23 32 | 23 32 | 18 34 | 8 21 | 1 33 |
| T 13 | 1 27 | 24 3 | 1 41 | 9 28 | 1 51 | 18 50 | 3 10 | 19 12 | 1 3 | 7 22 | 1 36 | 11 59 | 2 36 | 20 58 | 0 2 | 14 41 | 1 45 | 7 21 | 12 16 | 23 32 | 23 32 | 18 36 | 8 20 | 1 33 |
| F 14 | 1 4 | 22 50 | 2 40 | 10 3 | 1 58 | 19 12 | 3 15 | 19 23 | 1 3 | 7 20 | 1 36 | 11 58 | 2 37 | 20 58 | 0 2 | 14 41 | 1 45 | 7 20 | 12 17 | 23 32 | 23 32 | 18 38 | 8 19 | 1 33 |
| S 15 | 0 40 | 20 26 | 3 33 | 10 38 | 2 5 | 19 35 | 3 19 | 19 35 | 1 4 | 7 17 | 1 36 | 11 57 | 2 37 | 20 59 | 0 2 | 14 42 | 1 45 | 7 20 | 12 17 | 23 32 | 23 32 | 18 40 | 8 18 | 1 33 |
| S 16 | 0 17 | 16 53 | 4 16 | 11 12 | 2 11 | 19 57 | 3 24 | 19 46 | 1 4 | 7 15 | 1 36 | 11 55 | 2 37 | 20 59 | 0 2 | 14 42 | 1 45 | 7 20 | 12 17 | 23 32 | 23 32 | 18 42 | 8 17 | 1 33 |
| M17 | 0s 7 | 12 21 | 4 46 | 11 45 | 2 18 | 20 19 | 3 28 | 19 57 | 1 4 | 7 12 | 1 36 | 11 54 | 2 37 | 20 59 | 0 2 | 14 43 | 1 45 | 7 20 | 12 17 | 23 32 | 23 32 | 18 44 | 8 16 | 1 33 |
| T 18 | 0 31 | 7 3 | 5 0 | 12 17 | 2 24 | 20 40 | 3 33 | 20 8 | 1 5 | 7 9 | 1 36 | 11 53 | 2 37 | 21 0 | 0 2 | 14 43 | 1 45 | 7 19 | 12 17 | 23 32 | 23 32 | 18 46 | 8 15 | 1 33 |
| W19 | 0 55 | 1 15 | 4 55 | 12 48 | 2 30 | 21 1 | 3 37 | 20 19 | 1 5 | 7 6 | 1 36 | 11 52 | 2 37 | 21 0 | 0 2 | 14 44 | 1 45 | 7 19 | 12 18 | 23 31 | 23 32 | 18 48 | 8 13 | 1 33 |
| T 20 | 1 18 | 4s42 | 4 31 | 13 17 | 2 36 | 21 21 | 3 42 | 20 30 | 1 6 | 7 4 | 1 36 | 11 51 | 2 38 | 21 1 | 0 2 | 14 44 | 1 45 | 7 19 | 12 18 | 23 31 | 23 32 | 18 50 | 8 12 | 1 33 |
| F 21 | 1 42 | 10 26 | 3 50 | 13 46 | 2 42 | 21 41 | 3 46 | 20 40 | 1 6 | 7 1 | 1 36 | 11 49 | 2 38 | 21 1 | 0 2 | 14 45 | 1 45 | 7 18 | 12 18 | 23 31 | 23 32 | 18 52 | 8 11 | 1 33 |
| S 22 | 2 6 | 15 35 | 2 53 | 14 13 | 2 47 | 22 0 | 3 50 | 20 50 | 1 7 | 6 58 | 1 36 | 11 48 | 2 38 | 21 1 | 0 2 | 14 46 | 1 45 | 7 18 | 12 18 | 23 31 | 23 31 | 18 54 | 8 10 | 1 33 |
| S 23 | 2 29 | 19 47 | 1 45 | 14 38 | 2 52 | 22 19 | 3 54 | 21 1 | 1 7 | 6 55 | 1 37 | 11 47 | 2 38 | 21 2 | 0 2 | 14 46 | 1 45 | 7 18 | 12 18 | 23 31 | 23 31 | 18 56 | 8 9 | 1 33 |
| M24 | 2 53 | 22 42 | 0 32 | 15 2 | 2 57 | 22 37 | 3 58 | 21 10 | 1 7 | 6 52 | 1 37 | 11 45 | 2 38 | 21 2 | 0 2 | 14 47 | 1 45 | 7 17 | 12 18 | 23 31 | 23 31 | 18 58 | 8 8 | 1 33 |
| T 25 | 3 16 | 24 10 | 0s43 | 15 25 | 3 1 | 22 55 | 4 2 | 21 20 | 1 8 | 6 49 | 1 37 | 11 44 | 2 38 | 21 3 | 0 2 | 14 47 | 1 45 | 7 17 | 12 19 | 23 31 | 23 31 | 19 0 | 8 7 | 1 33 |
| W26 | 3 40 | 24 6 | 1 53 | 15 45 | 3 4 | 23 13 | 4 6 | 21 30 | 1 8 | 6 46 | 1 37 | 11 43 | 2 38 | 21 3 | 0 2 | 14 48 | 1 45 | 7 17 | 12 19 | 23 31 | 23 31 | 19 2 | 8 6 | 1 33 |
| T 27 | 4 4 | 22 35 | 2 56 | 16 4 | 3 7 | 23 30 | 4 10 | 21 39 | 1 8 | 6 43 | 1 37 | 11 41 | 2 38 | 21 4 | 0 2 | 14 48 | 1 45 | 7 16 | 12 19 | 23 31 | 23 31 | 19 4 | 8 4 | 1 33 |
| F 28 | 4 27 | 19 48 | 3 49 | 16 21 | 3 10 | 23 46 | 4 14 | 21 49 | 1 9 | 6 40 | 1 37 | 11 40 | 2 39 | 21 4 | 0 2 | 14 49 | 1 45 | 7 16 | 12 19 | 23 31 | 23 31 | 19 7 | 8 3 | 1 32 |
| S 29 | 4 50 | 16 3 | 4 28 | 16 35 | 3 11 | 24 2 | 4 18 | 21 58 | 1 9 | 6 37 | 1 37 | 11 38 | 2 39 | 21 5 | 0 2 | 14 50 | 1 45 | 7 16 | 12 19 | 23 30 | 23 31 | 19 9 | 8 2 | 1 32 |
| S 30 | 5s14 | 11s34 | 4s52 | 16s47 | 3s12 | 24s17 | 4s21 | 22s 6 | 1s 9 | 6n34 | 1s37 | 11n37 | 2s39 | 21s 5 | 0n 2 | 14s50 | 1n45 | 7n15 | 12s19 | 23n30 | 23n31 | 19n11 | 8n 1 | 1n32 |

Julian Day Number = 2139512.5, Delta T = 15m29s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'45, Lahiri = 11°56'45 Julian Calendar 1 Sept. 1145 == Greg. Calendar 8 Sept. 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## OCTOBER 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 4 12 | 14♎10'41 | 24♓51 | 6♏59 | 29♏57 | 4♐20 | 20°R26 | 7°R34 | 4♐27 | 15♏22 | 25°R33 | 26°R15 | 26♊54 | 4♊31 | 16°R40 | M 1 |
| T 2 | 1 8 8 | 15°10'24 | 7♈29 | 7°21 | 0♐48 | 5° 4 | 20♈17 | 7♉29 | 4°30 | 15°24 | 25♉32 | 26♊ 3 | 26°51 | 4°37 | 16♈37 | T 2 |
| W 3 | 1 12 5 | 16°10'09 | 19°55 | 7°36 | 1°39 | 5°48 | 20° 9 | 7°25 | 4°33 | 15°26 | 25°31 | 25°50 | 26°47 | 4°44 | 16°34 | W 3 |
| T 4 | 1 16 1 | 17° 9'56 | 2♉10 | 7°43 | 2°29 | 6°32 | 20° 1 | 7°21 | 4°35 | 15°28 | 25°31 | 25°38 | 26°44 | 4°51 | 16°31 | T 4 |
| F 5 | 1 19 58 | 18° 9'45 | 14°14 | 7°R43 | 3°18 | 7°17 | 19°53 | 7°16 | 4°38 | 15°30 | 25°30 | 25°29 | 26°41 | 4°57 | 16°29 | F 5 |
| S 6 | 1 23 54 | 19° 9'36 | 26° 9 | 7°35 | 4° 6 | 8° 1 | 19°45 | 7°12 | 4°41 | 15°32 | 25°29 | 25°22 | 26°38 | 5° 4 | 16°26 | S 6 |
| S 7 | 1 27 51 | 20° 9'29 | 7♊58 | 7°18 | 4°54 | 8°45 | 19°37 | 7° 7 | 4°44 | 15°34 | 25°28 | 25°18 | 26°35 | 5°10 | 16°23 | S 7 |
| M 8 | 1 31 48 | 21° 9'24 | 19°44 | 6°52 | 5°40 | 9°30 | 19°29 | 7° 2 | 4°47 | 15°36 | 25°27 | 25°17 | 26°32 | 5°17 | 16°20 | M 8 |
| T 9 | 1 35 44 | 22° 9'22 | 1♋33 | 6°17 | 6°26 | 10°14 | 19°21 | 6°58 | 4°50 | 15°38 | 25°26 | 25°D17 | 26°28 | 5°24 | 16°17 | T 9 |
| W10 | 1 39 41 | 23° 9'22 | 13°28 | 5°33 | 7°11 | 10°59 | 19°12 | 6°53 | 4°52 | 15°40 | 25°25 | 25°17 | 26°25 | 5°30 | 16°14 | W10 |
| T 11 | 1 43 37 | 24° 9'24 | 25°35 | 4°39 | 7°55 | 11°43 | 19° 4 | 6°49 | 4°55 | 15°42 | 25°24 | 25°R18 | 26°22 | 5°37 | 16°12 | T 11 |
| F 12 | 1 47 34 | 25° 9'28 | 8♌ 0 | 3°38 | 8°38 | 12°28 | 18°56 | 6°44 | 4°58 | 15°44 | 25°23 | 25°17 | 26°19 | 5°44 | 16° 9 | F 12 |
| S 13 | 1 51 30 | 26° 9'35 | 20°47 | 2°30 | 9°20 | 13°13 | 18°48 | 6°39 | 5° 1 | 15°47 | 25°22 | 25°14 | 26°16 | 5°50 | 16° 6 | S 13 |
| S 14 | 1 55 27 | 27° 9'43 | 4♍ 1 | 1°16 | 10° 1 | 13°58 | 18°40 | 6°34 | 5° 5 | 15°49 | 25°21 | 25° 9 | 26°12 | 5°57 | 16° 3 | S 14 |
| M15 | 1 59 23 | 28° 9'54 | 17°43 | 29♎58 | 10°41 | 14°42 | 18°32 | 6°30 | 5° 8 | 15°51 | 25°20 | 25° 1 | 26° 9 | 6° 4 | 16° 0 | M15 |
| T 16 | 2 3 20 | 29°10'06 | 1♎54 | 28°40 | 11°19 | 15°27 | 18°25 | 6°25 | 5°11 | 15°53 | 25°19 | 24°53 | 26° 6 | 6°10 | 15°58 | T 16 |
| W17 | 2 7 17 | 0♏10'21 | 16°28 | 27°23 | 11°57 | 16°12 | 18°17 | 6°20 | 5°14 | 15°55 | 25°18 | 24°44 | 26° 3 | 6°17 | 15°55 | W17 |
| T 18 | 2 11 13 | 1°10'37 | 1♏21 | 26° 9 | 12°33 | 16°58 | 18° 9 | 6°15 | 5°17 | 15°57 | 25°17 | 24°35 | 26° 0 | 6°24 | 15°52 | T 18 |
| F 19 | 2 15 10 | 2°10'55 | 16°23 | 25° 2 | 13° 8 | 17°43 | 18° 1 | 6°10 | 5°20 | 16° 0 | 25°16 | 24°28 | 25°57 | 6°30 | 15°50 | F 19 |
| S 20 | 2 19 6 | 3°11'15 | 1♐25 | 24° 2 | 13°41 | 18°28 | 17°54 | 6° 5 | 5°23 | 16° 2 | 25°15 | 24°24 | 25°53 | 6°37 | 15°47 | S 20 |
| S 21 | 2 23 3 | 4°11'37 | 16°17 | 23°13 | 14°13 | 19°13 | 17°46 | 6° 0 | 5°27 | 16° 4 | 25°14 | 24°22 | 25°50 | 6°44 | 15°44 | S 21 |
| M22 | 2 26 59 | 5°12'00 | 0♑55 | 22°34 | 14°44 | 19°59 | 17°39 | 5°55 | 5°30 | 16° 6 | 25°13 | 24°D22 | 25°47 | 6°50 | 15°42 | M22 |
| T 23 | 2 30 56 | 6°12'25 | 15°12 | 22° 7 | 15°13 | 20°44 | 17°31 | 5°51 | 5°33 | 16° 9 | 25°12 | 24°23 | 25°44 | 6°57 | 15°39 | T 23 |
| W24 | 2 34 52 | 7°12'51 | 29° 9 | 21°51 | 15°40 | 21°30 | 17°24 | 5°46 | 5°37 | 16°11 | 25°11 | 24°24 | 25°41 | 7° 4 | 15°36 | W24 |
| T 25 | 2 38 49 | 8°13'19 | 12♒45 | 21°D47 | 16° 6 | 22°15 | 17°17 | 5°41 | 5°40 | 16°13 | 25°10 | 24°R24 | 25°38 | 7°10 | 15°34 | T 25 |
| F 26 | 2 42 46 | 9°13'47 | 26° 2 | 21°54 | 16°30 | 23° 1 | 17°10 | 5°36 | 5°43 | 16°15 | 25° 9 | 24°22 | 25°34 | 7°17 | 15°31 | F 26 |
| S 27 | 2 46 42 | 10°14'17 | 9♓ 1 | 22°12 | 16°52 | 23°46 | 17° 3 | 5°31 | 5°47 | 16°17 | 25° 8 | 24°19 | 25°31 | 7°24 | 15°29 | S 27 |
| S 28 | 2 50 39 | 11°14'48 | 21°46 | 22°39 | 17°13 | 24°32 | 16°56 | 5°26 | 5°50 | 16°20 | 25° 7 | 24°13 | 25°28 | 7°30 | 15°26 | S 28 |
| M29 | 2 54 35 | 12°15'21 | 4♈18 | 23°15 | 17°31 | 25°18 | 16°50 | 5°21 | 5°53 | 16°22 | 25° 6 | 24° 6 | 25°25 | 7°37 | 15°24 | M29 |
| T 30 | 2 58 32 | 13°15'55 | 16°39 | 23°58 | 17°47 | 26° 3 | 16°43 | 5°17 | 5°57 | 16°24 | 25° 4 | 23°59 | 25°22 | 7°44 | 15°21 | T 30 |
| W31 | 3 2 28 | 14♏16'31 | 28♈50 | 24♎49 | 18♐ 2 | 26♐49 | 16♈37 | 5♉12 | 6♐ 0 | 16♏26 | 25♉ 3 | 23♊51 | 25♊18 | 7♊50 | 15♈19 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s37 | 6s39 | 5s 1 | 16s56 | 3s12 | 24s32 | 4s24 | 22s15 | 1s10 | 6n31 | 1s37 | 11n36 | 2s39 | 21s 6 | 0n 2 | 14s51 | 1n45 | 7n15 | 12s19 | 23n30 | 23n31 | 19n13 | 8n 0 | 1n32 |
| T 2 | 6 0 | 1 32 | 4 56 | 17 2 | 3 11 | 24 46 | 4 28 | 22 24 | 1 10 | 6 28 | 1 37 | 11 34 | 2 39 | 21 6 | 0 2 | 14 51 | 1 45 | 7 15 | 12 20 | 23 29 | 23 31 | 19 15 | 7 59 | 1 32 |
| W 3 | 6 23 | 3n34 | 4 36 | 17 5 | 3 9 | 25 0 | 4 31 | 22 32 | 1 10 | 6 25 | 1 37 | 11 33 | 2 39 | 21 7 | 0 2 | 14 52 | 1 45 | 7 14 | 12 20 | 23 29 | 23 31 | 19 17 | 7 58 | 1 32 |
| T 4 | 6 46 | 8 28 | 4 3 | 17 5 | 3 6 | 25 13 | 4 34 | 22 40 | 1 11 | 6 22 | 1 37 | 11 31 | 2 39 | 21 7 | 0 2 | 14 53 | 1 45 | 7 14 | 12 20 | 23 29 | 23 31 | 19 19 | 7 56 | 1 32 |
| F 5 | 7 9 | 13 0 | 3 20 | 17 0 | 3 1 | 25 26 | 4 37 | 22 48 | 1 11 | 6 19 | 1 37 | 11 30 | 2 39 | 21 8 | 0 2 | 14 53 | 1 45 | 7 14 | 12 20 | 23 28 | 23 31 | 19 21 | 7 55 | 1 32 |
| S 6 | 7 32 | 16 58 | 2 29 | 16 52 | 2 55 | 25 38 | 4 39 | 22 55 | 1 11 | 6 16 | 1 37 | 11 28 | 2 39 | 21 8 | 0 2 | 14 54 | 1 45 | 7 14 | 12 20 | 23 28 | 23 30 | 19 23 | 7 54 | 1 32 |
| S 7 | 7 55 | 20 14 | 1 31 | 16 39 | 2 48 | 25 50 | 4 42 | 23 3 | 1 12 | 6 13 | 1 36 | 11 27 | 2 39 | 21 9 | 0 2 | 14 55 | 1 45 | 7 13 | 12 20 | 23 28 | 23 30 | 19 25 | 7 53 | 1 32 |
| M 8 | 8 17 | 22 40 | 0 30 | 16 22 | 2 39 | 26 1 | 4 44 | 23 10 | 1 12 | 6 10 | 1 36 | 11 25 | 2 39 | 21 9 | 0 2 | 14 55 | 1 45 | 7 13 | 12 20 | 23 28 | 23 30 | 19 27 | 7 52 | 1 32 |
| T 9 | 8 40 | 24 6 | 0n33 | 16 0 | 2 28 | 26 11 | 4 46 | 23 17 | 1 12 | 6 7 | 1 36 | 11 24 | 2 39 | 21 10 | 0 2 | 14 56 | 1 44 | 7 13 | 12 20 | 23 28 | 23 30 | 19 29 | 7 51 | 1 32 |
| W10 | 9 2 | 24 27 | 1 36 | 15 33 | 2 15 | 26 21 | 4 48 | 23 23 | 1 12 | 6 4 | 1 36 | 11 22 | 2 39 | 21 10 | 0 2 | 14 56 | 1 44 | 7 12 | 12 21 | 23 28 | 23 30 | 19 31 | 7 49 | 1 32 |
| T 11 | 9 25 | 23 40 | 2 35 | 15 2 | 2 1 | 26 30 | 4 50 | 23 30 | 1 13 | 6 1 | 1 36 | 11 20 | 2 39 | 21 11 | 0 2 | 14 57 | 1 44 | 7 12 | 12 21 | 23 28 | 23 30 | 19 33 | 7 48 | 1 31 |
| F 12 | 9 47 | 21 42 | 3 28 | 14 25 | 1 45 | 26 39 | 4 52 | 23 36 | 1 13 | 5 58 | 1 36 | 11 19 | 2 39 | 21 11 | 0 2 | 14 58 | 1 44 | 7 12 | 12 21 | 23 28 | 23 30 | 19 35 | 7 47 | 1 31 |
| S 13 | 10 9 | 18 37 | 4 13 | 13 45 | 1 27 | 26 47 | 4 53 | 23 42 | 1 13 | 5 55 | 1 36 | 11 17 | 2 40 | 21 12 | 0 2 | 14 58 | 1 44 | 7 11 | 12 21 | 23 28 | 23 30 | 19 37 | 7 46 | 1 31 |
| S 14 | 10 31 | 14 30 | 4 45 | 13 2 | 1 8 | 26 54 | 4 54 | 23 48 | 1 13 | 5 52 | 1 36 | 11 16 | 2 40 | 21 13 | 0 2 | 14 59 | 1 44 | 7 11 | 12 21 | 23 28 | 23 30 | 19 38 | 7 45 | 1 31 |
| M15 | 10 52 | 9 31 | 5 3 | 12 16 | 0 48 | 27 1 | 4 55 | 23 53 | 1 14 | 5 49 | 1 36 | 11 14 | 2 40 | 21 13 | 0 2 | 15 0 | 1 44 | 7 11 | 12 21 | 23 27 | 23 30 | 19 40 | 7 44 | 1 31 |
| T 16 | 11 14 | 3 53 | 5 3 | 11 29 | 0 27 | 27 8 | 4 56 | 23 58 | 1 14 | 5 47 | 1 36 | 11 13 | 2 40 | 21 14 | 0 2 | 15 0 | 1 44 | 7 10 | 12 21 | 23 27 | 23 30 | 19 42 | 7 42 | 1 31 |
| W17 | 11 35 | 2s 8 | 4 44 | 10 41 | 0 7 | 27 13 | 4 57 | 24 3 | 1 14 | 5 44 | 1 35 | 11 11 | 2 40 | 21 14 | 0 2 | 15 1 | 1 44 | 7 10 | 12 21 | 23 27 | 23 29 | 19 44 | 7 41 | 1 31 |
| T 18 | 11 56 | 8 9 | 4 6 | 9 56 | 0n14 | 27 19 | 4 57 | 24 8 | 1 14 | 5 41 | 1 35 | 11 9 | 2 40 | 21 15 | 0 2 | 15 2 | 1 44 | 7 10 | 12 21 | 23 26 | 23 29 | 19 46 | 7 40 | 1 31 |
| F 19 | 12 17 | 13 47 | 3 10 | 9 13 | 0 33 | 27 23 | 4 57 | 24 13 | 1 14 | 5 38 | 1 35 | 11 8 | 2 40 | 21 15 | 0 2 | 15 2 | 1 44 | 7 10 | 12 21 | 23 26 | 23 29 | 19 48 | 7 39 | 1 31 |
| S 20 | 12 38 | 18 34 | 2 0 | 8 34 | 0 52 | 27 27 | 4 56 | 24 17 | 1 15 | 5 35 | 1 35 | 11 6 | 2 39 | 21 16 | 0 2 | 15 3 | 1 44 | 7 9 | 12 21 | 23 26 | 23 29 | 19 50 | 7 38 | 1 31 |
| S 21 | 12 59 | 22 7 | 0 43 | 8 0 | 1 9 | 27 31 | 4 56 | 24 21 | 1 15 | 5 33 | 1 35 | 11 5 | 2 39 | 21 17 | 0 2 | 15 4 | 1 44 | 7 9 | 12 21 | 23 26 | 23 29 | 19 52 | 7 37 | 1 31 |
| M22 | 13 19 | 24 8 | 0s35 | 7 31 | 1 24 | 27 33 | 4 55 | 24 25 | 1 15 | 5 30 | 1 35 | 11 3 | 2 39 | 21 17 | 0 2 | 15 4 | 1 44 | 7 9 | 12 22 | 23 26 | 23 29 | 19 54 | 7 36 | 1 30 |
| T 23 | 13 39 | 24 30 | 1 50 | 7 8 | 1 38 | 27 36 | 4 54 | 24 28 | 1 15 | 5 27 | 1 35 | 11 1 | 2 39 | 21 18 | 0 2 | 15 5 | 1 44 | 7 8 | 12 22 | 23 26 | 23 29 | 19 56 | 7 34 | 1 30 |
| W24 | 13 59 | 23 18 | 2 57 | 6 52 | 1 49 | 27 37 | 4 52 | 24 32 | 1 15 | 5 25 | 1 34 | 11 0 | 2 39 | 21 18 | 0 2 | 15 5 | 1 44 | 7 8 | 12 22 | 23 26 | 23 29 | 19 58 | 7 33 | 1 30 |
| T 25 | 14 19 | 20 46 | 3 51 | 6 41 | 1 59 | 27 38 | 4 50 | 24 34 | 1 15 | 5 22 | 1 34 | 10 58 | 2 39 | 21 19 | 0 2 | 15 6 | 1 44 | 7 8 | 12 22 | 23 26 | 23 29 | 20 0 | 7 32 | 1 30 |
| F 26 | 14 38 | 17 10 | 4 32 | 6 37 | 2 7 | 27 38 | 4 48 | 24 37 | 1 15 | 5 20 | 1 34 | 10 57 | 2 39 | 21 20 | 0 2 | 15 7 | 1 44 | 7 7 | 12 22 | 23 26 | 23 29 | 20 2 | 7 31 | 1 30 |
| S 27 | 14 57 | 12 49 | 4 58 | 6 37 | 2 13 | 27 38 | 4 46 | 24 40 | 1 16 | 5 17 | 1 34 | 10 55 | 2 39 | 21 20 | 0 2 | 15 7 | 1 44 | 7 7 | 12 22 | 23 26 | 23 28 | 20 4 | 7 30 | 1 30 |
| S 28 | 15 16 | 8 0 | 5 9 | 6 43 | 2 18 | 27 37 | 4 43 | 24 42 | 1 16 | 5 15 | 1 34 | 10 54 | 2 39 | 21 21 | 0 2 | 15 8 | 1 44 | 7 7 | 12 22 | 23 25 | 23 28 | 20 6 | 7 29 | 1 30 |
| M29 | 15 35 | 2 56 | 5 4 | 6 54 | 2 21 | 27 36 | 4 39 | 24 44 | 1 16 | 5 12 | 1 33 | 10 52 | 2 39 | 21 21 | 0 2 | 15 9 | 1 44 | 7 7 | 12 22 | 23 25 | 23 28 | 20 8 | 7 28 | 1 30 |
| T 30 | 15 54 | 2n11 | 4 46 | 7 8 | 2 22 | 27 33 | 4 35 | 24 45 | 1 16 | 5 10 | 1 33 | 10 51 | 2 39 | 21 22 | 0 2 | 15 9 | 1 44 | 7 6 | 12 22 | 23 25 | 23 28 | 20 9 | 7 27 | 1 30 |
| W31 | 16s12 | 7n 9 | 4s14 | 7s26 | 2n23 | 27s30 | 4s31 | 24s47 | 1s16 | 5n 8 | 1s33 | 10n49 | 2s39 | 21s23 | 0n 2 | 15s10 | 1n44 | 7n 6 | 12s22 | 23n24 | 23n28 | 20n11 | 7n26 | 1n29 |

Julian Day Number = 2139542.5, Delta T = 15m29s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'49, Lahiri = 11°56'49 Julian Calendar 1 Oct. 1145 == Greg. Calendar 8 Oct. 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## NOVEMBER 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 6 25 | 15♏17'07 | 10♉53 | 25♎45 | 18♐14 | 27♐35 | 16°R31 | 5°R 7 | 6♐ 4 | 16♏29 | 25°R 2 | 23°R44 | 25♊15 | 7♊57 | 15°R16 | T 1 |
| F 2 | 3 10 21 | 16°17'46 | 22°49 | 26°47 | 18°24 | 28°21 | 16♈25 | 5♉ 2 | 6° 7 | 16°31 | 25♉ 1 | 23♊38 | 25°12 | 8° 3 | 15♈14 | F 2 |
| S 3 | 3 14 18 | 17°18'26 | 4♊40 | 27°54 | 18°32 | 29° 7 | 16°19 | 4°57 | 6°11 | 16°33 | 25° 0 | 23°35 | 25° 9 | 8°10 | 15°12 | S 3 |
| S 4 | 3 18 14 | 18°19'07 | 16°27 | 29° 4 | 18°37 | 29°53 | 16°13 | 4°53 | 6°14 | 16°36 | 24°59 | 23°33 | 25° 6 | 8°17 | 15°10 | S 4 |
| M 5 | 3 22 11 | 19°19'50 | 28°14 | 0♏18 | 18°40 | 0♑39 | 16° 7 | 4°48 | 6°18 | 16°38 | 24°58 | 23°D32 | 25° 3 | 8°23 | 15° 7 | M 5 |
| T 6 | 3 26 8 | 20°20'34 | 10♋ 3 | 1°35 | 18°R41 | 1°25 | 16° 2 | 4°43 | 6°21 | 16°40 | 24°57 | 23°34 | 24°59 | 8°30 | 15° 5 | T 6 |
| W 7 | 3 30 4 | 21°21'20 | 21°59 | 2°55 | 18°39 | 2°12 | 15°57 | 4°39 | 6°25 | 16°42 | 24°55 | 23°35 | 24°56 | 8°37 | 15° 3 | W 7 |
| T 8 | 3 34 1 | 22°22'08 | 4♌ 6 | 4°16 | 18°35 | 2°58 | 15°51 | 4°34 | 6°28 | 16°45 | 24°54 | 23°37 | 24°53 | 8°43 | 15° 1 | T 8 |
| F 9 | 3 37 57 | 23°22'57 | 16°28 | 5°40 | 18°28 | 3°44 | 15°46 | 4°30 | 6°32 | 16°47 | 24°53 | 23°38 | 24°50 | 8°50 | 14°59 | F 9 |
| S 10 | 3 41 54 | 24°23'47 | 29°11 | 7° 5 | 18°19 | 4°30 | 15°42 | 4°25 | 6°36 | 16°49 | 24°52 | 23°R38 | 24°47 | 8°57 | 14°57 | S 10 |
| S 11 | 3 45 50 | 25°24'39 | 12♍17 | 8°31 | 18° 8 | 5°17 | 15°37 | 4°21 | 6°39 | 16°51 | 24°51 | 23°37 | 24°44 | 9° 3 | 14°55 | S 11 |
| M12 | 3 49 47 | 26°25'33 | 25°52 | 9°58 | 17°54 | 6° 3 | 15°33 | 4°17 | 6°43 | 16°54 | 24°50 | 23°35 | 24°40 | 9°10 | 14°53 | M12 |
| T 13 | 3 53 44 | 27°26'27 | 9♎55 | 11°26 | 17°38 | 6°49 | 15°28 | 4°12 | 6°46 | 16°56 | 24°49 | 23°31 | 24°37 | 9°17 | 14°51 | T 13 |
| W14 | 3 57 40 | 28°27'24 | 24°25 | 12°55 | 17°19 | 7°36 | 15°24 | 4° 8 | 6°50 | 16°58 | 24°48 | 23°28 | 24°34 | 9°23 | 14°49 | W14 |
| T 15 | 4 1 37 | 29°28'21 | 9♏18 | 14°25 | 16°58 | 8°22 | 15°21 | 4° 4 | 6°54 | 17° 0 | 24°46 | 23°24 | 24°31 | 9°30 | 14°47 | T 15 |
| F 16 | 4 5 33 | 0♐29'20 | 24°27 | 15°55 | 16°35 | 9° 9 | 15°17 | 4° 0 | 6°57 | 17° 2 | 24°45 | 23°21 | 24°28 | 9°37 | 14°45 | F 16 |
| S 17 | 4 9 30 | 1°30'19 | 9♐41 | 17°26 | 16°10 | 9°56 | 15°13 | 3°56 | 7° 1 | 17° 5 | 24°44 | 23°20 | 24°24 | 9°43 | 14°44 | S 17 |
| S 18 | 4 13 26 | 2°31'20 | 24°51 | 18°57 | 15°42 | 10°42 | 15°10 | 3°52 | 7° 5 | 17° 7 | 24°43 | 23°D19 | 24°21 | 9°50 | 14°42 | S 18 |
| M19 | 4 17 23 | 3°32'22 | 9♑48 | 20°28 | 15°13 | 11°29 | 15° 7 | 3°48 | 7° 8 | 17° 9 | 24°42 | 23°20 | 24°18 | 9°57 | 14°40 | M19 |
| T 20 | 4 21 19 | 4°33'24 | 24°24 | 21°59 | 14°42 | 12°16 | 15° 4 | 3°44 | 7°12 | 17°11 | 24°41 | 23°21 | 24°15 | 10° 3 | 14°39 | T 20 |
| W21 | 4 25 16 | 5°34'27 | 8♒36 | 23°31 | 14°10 | 13° 2 | 15° 2 | 3°40 | 7°16 | 17°13 | 24°40 | 23°22 | 24°12 | 10°10 | 14°37 | W21 |
| T 22 | 4 29 13 | 6°35'30 | 22°22 | 25° 3 | 13°37 | 13°49 | 14°59 | 3°37 | 7°19 | 17°16 | 24°39 | 23°24 | 24° 9 | 10°16 | 14°36 | T 22 |
| F 23 | 4 33 9 | 7°36'34 | 5♓43 | 26°35 | 13° 2 | 14°36 | 14°57 | 3°33 | 7°23 | 17°18 | 24°37 | 23°R24 | 24° 5 | 10°23 | 14°34 | F 23 |
| S 24 | 4 37 6 | 8°37'38 | 18°41 | 28° 8 | 12°27 | 15°23 | 14°55 | 3°29 | 7°27 | 17°20 | 24°36 | 23°24 | 24° 2 | 10°30 | 14°33 | S 24 |
| S 25 | 4 41 2 | 9°38'43 | 1♈20 | 29°40 | 11°50 | 16°10 | 14°53 | 3°26 | 7°30 | 17°22 | 24°35 | 23°23 | 23°59 | 10°36 | 14°31 | S 25 |
| M26 | 4 44 59 | 10°39'48 | 13°42 | 1♐13 | 11°14 | 16°56 | 14°51 | 3°23 | 7°34 | 17°24 | 24°34 | 23°21 | 23°56 | 10°43 | 14°30 | M26 |
| T 27 | 4 48 55 | 11°40'54 | 25°52 | 2°46 | 10°37 | 17°43 | 14°50 | 3°19 | 7°38 | 17°26 | 24°33 | 23°20 | 23°53 | 10°50 | 14°29 | T 27 |
| W28 | 4 52 52 | 12°42'00 | 7♉52 | 4°19 | 10° 1 | 18°30 | 14°49 | 3°16 | 7°41 | 17°28 | 24°32 | 23°18 | 23°49 | 10°56 | 14°28 | W28 |
| T 29 | 4 56 48 | 13°43'06 | 19°46 | 5°52 | 9°25 | 19°17 | 14°48 | 3°13 | 7°45 | 17°30 | 24°31 | 23°16 | 23°46 | 11° 3 | 14°26 | T 29 |
| F 30 | 5 0 45 | 14♐44'13 | 1♊36 | 7♐25 | 8♐50 | 20♑ 4 | 14♈47 | 3♉10 | 7♐49 | 17♏32 | 24♉30 | 23♊15 | 23♊43 | 11♊10 | 14♈25 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s30 | 11n49 | 3s31 | 7s47 | 2n22 | 27s27 | 4s26 | 24s48 | 1s16 | 5n 6 | 1s33 | 10n48 | 2s39 | 21s23 | 0n 2 | 15s11 | 1n44 | 7n 6 | 12s22 | 23n24 | 23n28 | 20n13 | 7n25 | 1n29 |
| F 2 | 16 47 | 15 59 | 2 40 | 8 11 | 2 21 | 27 23 | 4 21 | 24 48 | 1 16 | 5 4 | 1 32 | 10 46 | 2 39 | 21 24 | 0 2 | 15 11 | 1 44 | 7 6 | 12 22 | 23 24 | 23 28 | 20 15 | 7 24 | 1 29 |
| S 3 | 17 5 | 19 31 | 1 41 | 8 37 | 2 18 | 27 18 | 4 16 | 24 49 | 1 16 | 5 1 | 1 32 | 10 45 | 2 39 | 21 25 | 0 2 | 15 12 | 1 44 | 7 5 | 12 22 | 23 24 | 23 28 | 20 17 | 7 23 | 1 29 |
| S 4 | 17 22 | 22 13 | 0 39 | 9 5 | 2 15 | 27 12 | 4 9 | 24 49 | 1 16 | 5 0 | 1 32 | 10 43 | 2 38 | 21 25 | 0 2 | 15 13 | 1 44 | 7 5 | 12 22 | 23 24 | 23 28 | 20 19 | 7 22 | 1 29 |
| M 5 | 17 38 | 23 58 | 0n26 | 9 35 | 2 11 | 27 6 | 4 3 | 24 49 | 1 16 | 4 58 | 1 32 | 10 42 | 2 38 | 21 26 | 0 2 | 15 13 | 1 44 | 7 5 | 12 22 | 23 24 | 23 27 | 20 21 | 7 21 | 1 29 |
| T 6 | 17 55 | 24 39 | 1 29 | 10 6 | 2 7 | 26 58 | 3 55 | 24 49 | 1 16 | 4 56 | 1 31 | 10 40 | 2 38 | 21 26 | 0 2 | 15 14 | 1 44 | 7 5 | 12 22 | 23 24 | 23 27 | 20 23 | 7 20 | 1 29 |
| W 7 | 18 11 | 24 12 | 2 30 | 10 38 | 2 2 | 26 51 | 3 48 | 24 48 | 1 16 | 4 54 | 1 31 | 10 39 | 2 38 | 21 27 | 0 2 | 15 15 | 1 44 | 7 4 | 12 22 | 23 24 | 23 27 | 20 25 | 7 19 | 1 29 |
| T 8 | 18 27 | 22 38 | 3 24 | 11 10 | 1 57 | 26 42 | 3 39 | 24 47 | 1 16 | 4 52 | 1 31 | 10 38 | 2 38 | 21 28 | 0 2 | 15 15 | 1 44 | 7 4 | 12 22 | 23 24 | 23 27 | 20 26 | 7 18 | 1 28 |
| F 9 | 18 42 | 19 57 | 4 11 | 11 43 | 1 51 | 26 33 | 3 31 | 24 46 | 1 16 | 4 51 | 1 31 | 10 36 | 2 38 | 21 28 | 0 2 | 15 16 | 1 44 | 7 4 | 12 22 | 23 24 | 23 27 | 20 28 | 7 17 | 1 28 |
| S 10 | 18 57 | 16 17 | 4 46 | 12 17 | 1 45 | 26 22 | 3 21 | 24 45 | 1 16 | 4 49 | 1 30 | 10 35 | 2 38 | 21 29 | 0 2 | 15 16 | 1 44 | 7 4 | 12 22 | 23 24 | 23 27 | 20 30 | 7 16 | 1 28 |
| S 11 | 19 12 | 11 43 | 5 8 | 12 51 | 1 39 | 26 11 | 3 11 | 24 43 | 1 16 | 4 47 | 1 30 | 10 33 | 2 37 | 21 29 | 0 2 | 15 17 | 1 44 | 7 3 | 12 22 | 23 24 | 23 27 | 20 32 | 7 15 | 1 28 |
| M12 | 19 27 | 6 27 | 5 14 | 13 25 | 1 33 | 26 0 | 3 1 | 24 41 | 1 16 | 4 46 | 1 30 | 10 32 | 2 37 | 21 30 | 0 2 | 15 18 | 1 44 | 7 3 | 12 22 | 23 24 | 23 27 | 20 34 | 7 14 | 1 28 |
| T 13 | 19 41 | 0 41 | 5 2 | 13 58 | 1 26 | 25 47 | 2 50 | 24 39 | 1 16 | 4 45 | 1 30 | 10 31 | 2 37 | 21 31 | 0 2 | 15 18 | 1 44 | 7 3 | 12 22 | 23 23 | 23 26 | 20 36 | 7 13 | 1 28 |
| W14 | 19 54 | 5s19 | 4 30 | 14 32 | 1 19 | 25 34 | 2 38 | 24 36 | 1 16 | 4 43 | 1 29 | 10 30 | 2 37 | 21 31 | 0 2 | 15 19 | 1 44 | 7 3 | 12 22 | 23 23 | 23 26 | 20 38 | 7 13 | 1 28 |
| T 15 | 20 8 | 11 12 | 3 39 | 15 5 | 1 12 | 25 20 | 2 26 | 24 33 | 1 16 | 4 42 | 1 29 | 10 28 | 2 37 | 21 32 | 0 2 | 15 20 | 1 44 | 7 3 | 12 22 | 23 23 | 23 26 | 20 39 | 7 12 | 1 28 |
| F 16 | 20 21 | 16 30 | 2 33 | 15 38 | 1 5 | 25 5 | 2 13 | 24 30 | 1 16 | 4 41 | 1 29 | 10 27 | 2 37 | 21 33 | 0 2 | 15 20 | 1 44 | 7 2 | 12 21 | 23 23 | 23 26 | 20 41 | 7 11 | 1 27 |
| S 17 | 20 33 | 20 47 | 1 15 | 16 11 | 0 58 | 24 49 | 2 0 | 24 26 | 1 16 | 4 40 | 1 28 | 10 26 | 2 36 | 21 33 | 0 2 | 15 21 | 1 44 | 7 2 | 12 21 | 23 23 | 23 26 | 20 43 | 7 10 | 1 27 |
| S 18 | 20 46 | 23 35 | 0s 8 | 16 43 | 0 51 | 24 32 | 1 46 | 24 23 | 1 16 | 4 39 | 1 28 | 10 25 | 2 36 | 21 34 | 0 2 | 15 21 | 1 44 | 7 2 | 12 21 | 23 23 | 23 26 | 20 45 | 7 9 | 1 27 |
| M19 | 20 58 | 24 41 | 1 30 | 17 15 | 0 44 | 24 15 | 1 32 | 24 19 | 1 16 | 4 38 | 1 28 | 10 24 | 2 36 | 21 34 | 0 2 | 15 22 | 1 44 | 7 2 | 12 21 | 23 23 | 23 26 | 20 47 | 7 9 | 1 27 |
| T 20 | 21 9 | 24 1 | 2 44 | 17 46 | 0 37 | 23 57 | 1 18 | 24 14 | 1 16 | 4 37 | 1 27 | 10 23 | 2 36 | 21 35 | 0 2 | 15 23 | 1 44 | 7 2 | 12 21 | 23 23 | 23 25 | 20 49 | 7 8 | 1 27 |
| W21 | 21 20 | 21 49 | 3 45 | 18 16 | 0 30 | 23 39 | 1 3 | 24 10 | 1 16 | 4 36 | 1 27 | 10 21 | 2 36 | 21 36 | 0 2 | 15 23 | 1 44 | 7 1 | 12 21 | 23 23 | 23 25 | 20 50 | 7 7 | 1 27 |
| T 22 | 21 31 | 18 24 | 4 32 | 18 45 | 0 22 | 23 20 | 0 48 | 24 5 | 1 16 | 4 36 | 1 27 | 10 20 | 2 35 | 21 36 | 0 2 | 15 24 | 1 44 | 7 1 | 12 21 | 23 23 | 23 25 | 20 52 | 7 6 | 1 27 |
| F 23 | 21 41 | 14 8 | 5 2 | 19 14 | 0 15 | 23 0 | 0 33 | 24 0 | 1 16 | 4 35 | 1 27 | 10 19 | 2 35 | 21 37 | 0 2 | 15 24 | 1 44 | 7 1 | 12 21 | 23 23 | 23 25 | 20 54 | 7 6 | 1 26 |
| S 24 | 21 51 | 9 20 | 5 16 | 19 42 | 0 8 | 22 41 | 0 17 | 23 55 | 1 15 | 4 35 | 1 26 | 10 18 | 2 35 | 21 38 | 0 2 | 15 25 | 1 44 | 7 1 | 12 21 | 23 23 | 23 25 | 20 56 | 7 5 | 1 26 |
| S 25 | 22 0 | 4 16 | 5 14 | 20 9 | 0 1 | 22 20 | 0 2 | 23 49 | 1 15 | 4 34 | 1 26 | 10 17 | 2 35 | 21 38 | 0 2 | 15 26 | 1 44 | 7 1 | 12 21 | 23 23 | 23 25 | 20 58 | 7 4 | 1 26 |
| M26 | 22 9 | 0n52 | 4 57 | 20 35 | 0s 6 | 22 0 | 0n14 | 23 43 | 1 15 | 4 34 | 1 26 | 10 17 | 2 35 | 21 39 | 0 2 | 15 26 | 1 44 | 7 1 | 12 21 | 23 23 | 23 25 | 20 59 | 7 4 | 1 26 |
| T 27 | 22 17 | 5 53 | 4 27 | 21 1 | 0 12 | 21 39 | 0 30 | 23 37 | 1 15 | 4 34 | 1 25 | 10 16 | 2 34 | 21 39 | 0 2 | 15 27 | 1 44 | 7 1 | 12 21 | 23 23 | 23 24 | 21 1 | 7 3 | 1 26 |
| W28 | 22 26 | 10 38 | 3 46 | 21 25 | 0 19 | 21 19 | 0 45 | 23 30 | 1 15 | 4 33 | 1 25 | 10 15 | 2 34 | 21 40 | 0 2 | 15 27 | 1 44 | 7 0 | 12 20 | 23 23 | 23 24 | 21 3 | 7 3 | 1 26 |
| T 29 | 22 33 | 14 57 | 2 55 | 21 48 | 0 26 | 20 58 | 1 1 | 23 23 | 1 15 | 4 33 | 1 25 | 10 14 | 2 34 | 21 41 | 0 2 | 15 28 | 1 44 | 7 0 | 12 20 | 23 23 | 23 24 | 21 5 | 7 2 | 1 26 |
| F 30 | 22s40 | 18n40 | 1s57 | 22s11 | 0s32 | 20s38 | 1n16 | 23s16 | 1s15 | 4n33 | 1s24 | 10n13 | 2s34 | 21s41 | 0n 2 | 15s28 | 1n44 | 7n 0 | 12s20 | 23n23 | 23n24 | 21n 7 | 7n 1 | 1n25 |

Julian Day Number = 2139573.5, Delta T = 15m29s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'53, Lahiri = 11°56'54 Julian Calendar 1 Nov. 1145 == Greg. Calendar 8 Nov. 1145


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# ASTRODIENST EPHEMERIS for the year 1145
# geocentric

## DECEMBER 1145 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 4 42 | 15♐45'21 | 13♊24 | 8♐59 | 8°R15 | 20♑51 | 14°R46 | 3°R 7 | 7♐52 | 17♏34 | 24°R29 | 23°R15 | 23♊40 | 11♊16 | 14°R24 | S 1 |
| S 2 | 5 8 38 | 16°46'28 | 25°12 | 10°32 | 7♐42 | 21°38 | 14♈46 | 3♉ 4 | 7°56 | 17°37 | 24♉28 | 23°D15 | 23°37 | 11°23 | 14♈23 | S 2 |
| M 3 | 5 12 35 | 17°47'37 | 7♋ 3 | 12° 6 | 7°10 | 22°25 | 14°D46 | 3° 1 | 7°59 | 17°39 | 24°27 | 23♊15 | 23°34 | 11°30 | 14°22 | M 3 |
| T 4 | 5 16 31 | 18°48'46 | 18°58 | 13°40 | 6°40 | 23°12 | 14°46 | 2°59 | 8° 3 | 17°41 | 24°26 | 23°15 | 23°30 | 11°36 | 14°22 | T 4 |
| W 5 | 5 20 28 | 19°49'55 | 1♌ 1 | 15°14 | 6°11 | 23°59 | 14°46 | 2°56 | 8° 7 | 17°43 | 24°25 | 23°16 | 23°27 | 11°43 | 14°21 | W 5 |
| T 6 | 5 24 24 | 20°51'05 | 13°14 | 16°49 | 5°45 | 24°46 | 14°46 | 2°54 | 8°10 | 17°45 | 24°24 | 23°16 | 23°24 | 11°50 | 14°20 | T 6 |
| F 7 | 5 28 21 | 21°52'15 | 25°40 | 18°23 | 5°20 | 25°33 | 14°47 | 2°51 | 8°14 | 17°46 | 24°23 | 23°16 | 23°21 | 11°56 | 14°19 | F 7 |
| S 8 | 5 32 17 | 22°53'26 | 8♍22 | 19°58 | 4°58 | 26°20 | 14°48 | 2°49 | 8°17 | 17°48 | 24°22 | 23°R16 | 23°18 | 12° 3 | 14°19 | S 8 |
| S 9 | 5 36 14 | 23°54'37 | 21°24 | 21°33 | 4°38 | 27° 8 | 14°49 | 2°47 | 8°21 | 17°50 | 24°21 | 23°D16 | 23°15 | 12°10 | 14°18 | S 9 |
| M10 | 5 40 11 | 24°55'49 | 4♎49 | 23° 9 | 4°20 | 27°55 | 14°50 | 2°45 | 8°25 | 17°52 | 24°20 | 23°16 | 23°11 | 12°16 | 14°18 | M10 |
| T 11 | 5 44 7 | 25°57'01 | 18°38 | 24°45 | 4° 5 | 28°42 | 14°52 | 2°43 | 8°28 | 17°54 | 24°19 | 23°16 | 23° 8 | 12°23 | 14°17 | T 11 |
| W12 | 5 48 4 | 26°58'13 | 2♏52 | 26°21 | 3°52 | 29°29 | 14°53 | 2°41 | 8°32 | 17°56 | 24°18 | 23°17 | 23° 5 | 12°29 | 14°17 | W12 |
| T 13 | 5 52 0 | 27°59'26 | 17°29 | 27°57 | 3°41 | 0♒16 | 14°55 | 2°39 | 8°35 | 17°58 | 24°17 | 23°17 | 23° 2 | 12°36 | 14°16 | T 13 |
| F 14 | 5 55 57 | 29° 0'40 | 2♐25 | 29°34 | 3°34 | 1° 3 | 14°57 | 2°38 | 8°39 | 18° 0 | 24°16 | 23°18 | 22°59 | 12°43 | 14°16 | F 14 |
| S 15 | 5 59 53 | 0♑ 1'53 | 17°33 | 1♑11 | 3°28 | 1°51 | 15° 0 | 2°36 | 8°42 | 18° 1 | 24°15 | 23°R18 | 22°55 | 12°49 | 14°16 | S 15 |
| S 16 | 6 3 50 | 1° 3'06 | 2♑43 | 2°48 | 3°25 | 2°38 | 15° 2 | 2°35 | 8°46 | 18° 3 | 24°14 | 23°18 | 22°52 | 12°56 | 14°16 | S 16 |
| M17 | 6 7 47 | 2° 4'20 | 17°47 | 4°26 | 3°D25 | 3°25 | 15° 5 | 2°34 | 8°49 | 18° 5 | 24°13 | 23°17 | 22°49 | 13° 3 | 14°15 | M17 |
| T 18 | 6 11 43 | 3° 5'33 | 2♒35 | 6° 4 | 3°27 | 4°12 | 15° 8 | 2°32 | 8°52 | 18° 7 | 24°12 | 23°16 | 22°46 | 13° 9 | 14°15 | T 18 |
| W19 | 6 15 40 | 4° 6'45 | 17° 1 | 7°43 | 3°31 | 5° 0 | 15°11 | 2°31 | 8°56 | 18° 8 | 24°12 | 23°15 | 22°43 | 13°16 | 14°D15 | W19 |
| T 20 | 6 19 36 | 5° 7'57 | 1♓ 0 | 9°22 | 3°38 | 5°47 | 15°14 | 2°30 | 8°59 | 18°10 | 24°11 | 23°14 | 22°40 | 13°23 | 14°15 | T 20 |
| F 21 | 6 23 33 | 6° 9'09 | 14°31 | 11° 1 | 3°47 | 6°34 | 15°18 | 2°29 | 9° 3 | 18°12 | 24°10 | 23°12 | 22°36 | 13°29 | 14°16 | F 21 |
| S 22 | 6 27 29 | 7°10'20 | 27°36 | 12°41 | 3°58 | 7°21 | 15°21 | 2°29 | 9° 6 | 18°13 | 24° 9 | 23°11 | 22°33 | 13°36 | 14°16 | S 22 |
| S 23 | 6 31 26 | 8°11'30 | 10♈17 | 14°21 | 4°12 | 8° 9 | 15°25 | 2°28 | 9° 9 | 18°15 | 24° 8 | 23°D11 | 22°30 | 13°43 | 14°16 | S 23 |
| M24 | 6 35 22 | 9°12'40 | 22°38 | 16° 1 | 4°27 | 8°56 | 15°29 | 2°28 | 9°13 | 18°17 | 24° 8 | 23°12 | 22°27 | 13°49 | 14°16 | M24 |
| T 25 | 6 39 19 | 10°13'49 | 4♉44 | 17°42 | 4°45 | 9°43 | 15°33 | 2°27 | 9°16 | 18°18 | 24° 7 | 23°13 | 22°24 | 13°56 | 14°17 | T 25 |
| W26 | 6 43 16 | 11°14'57 | 16°39 | 19°23 | 5° 4 | 10°30 | 15°38 | 2°27 | 9°19 | 18°20 | 24° 6 | 23°14 | 22°21 | 14° 3 | 14°17 | W26 |
| T 27 | 6 47 12 | 12°16'05 | 28°28 | 21° 4 | 5°26 | 11°18 | 15°43 | 2°27 | 9°22 | 18°21 | 24° 5 | 23°16 | 22°17 | 14° 9 | 14°17 | T 27 |
| F 28 | 6 51 9 | 13°17'12 | 10♊15 | 22°46 | 5°49 | 12° 5 | 15°47 | 2°D27 | 9°26 | 18°23 | 24° 5 | 23°17 | 22°14 | 14°16 | 14°18 | F 28 |
| S 29 | 6 55 5 | 14°18'18 | 22° 3 | 24°27 | 6°14 | 12°52 | 15°52 | 2°27 | 9°29 | 18°24 | 24° 4 | 23°R18 | 22°11 | 14°22 | 14°18 | S 29 |
| S 30 | 6 59 2 | 15°19'24 | 3♋55 | 26° 9 | 6°41 | 13°39 | 15°58 | 2°27 | 9°32 | 18°26 | 24° 3 | 23°17 | 22° 8 | 14°29 | 14°19 | S 30 |
| M31 | 7 2 58 | 16♑20'28 | 15♋53 | 27♑50 | 7♐ 9 | 14♒27 | 16♈ 3 | 2♉27 | 9♐35 | 18♏27 | 24♉ 3 | 23♊16 | 22♊ 5 | 14♊36 | 14♈20 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s47 | 21n37 | 0s54 | 22s32 | 0s39 | 20s18 | 1n31 | 23s 9 | 1s14 | 4n33 | 1s24 | 10n12 | 2s33 | 21s42 | 0n 2 | 15s29 | 1n44 | 7n 0 | 12s20 | 23n23 | 23n24 | 21n 8 | 7n 1 | 1n25 |
| S 2 | 22 53 | 23 39 | 0n11 | 22 52 | 0 45 | 19 58 | 1 45 | 23 2 | 1 14 | 4 33 | 1 24 | 10 12 | 2 33 | 21 42 | 0 2 | 15 29 | 1 45 | 7 0 | 12 20 | 23 23 | 23 24 | 21 10 | 7 0 | 1 25 |
| M 3 | 22 59 | 24 38 | 1 16 | 23 11 | 0 51 | 19 39 | 2 0 | 22 54 | 1 14 | 4 34 | 1 23 | 10 11 | 2 33 | 21 43 | 0 2 | 15 30 | 1 45 | 7 0 | 12 20 | 23 23 | 23 24 | 21 12 | 7 0 | 1 25 |
| T 4 | 23 5 | 24 29 | 2 18 | 23 29 | 0 57 | 19 20 | 2 13 | 22 46 | 1 14 | 4 34 | 1 23 | 10 10 | 2 33 | 21 44 | 0 2 | 15 31 | 1 45 | 7 0 | 12 20 | 23 23 | 23 23 | 21 14 | 6 59 | 1 25 |
| W 5 | 23 10 | 23 12 | 3 15 | 23 46 | 1 3 | 19 2 | 2 27 | 22 37 | 1 14 | 4 34 | 1 23 | 10 10 | 2 32 | 21 44 | 0 2 | 15 31 | 1 45 | 7 0 | 12 19 | 23 23 | 23 23 | 21 15 | 6 59 | 1 25 |
| T 6 | 23 14 | 20 49 | 4 4 | 24 1 | 1 8 | 18 45 | 2 39 | 22 29 | 1 14 | 4 35 | 1 22 | 10 9 | 2 32 | 21 45 | 0 2 | 15 32 | 1 45 | 7 0 | 12 19 | 23 23 | 23 23 | 21 17 | 6 58 | 1 25 |
| F 7 | 23 18 | 17 26 | 4 42 | 24 16 | 1 14 | 18 28 | 2 52 | 22 20 | 1 13 | 4 35 | 1 22 | 10 9 | 2 32 | 21 45 | 0 2 | 15 32 | 1 45 | 6 59 | 12 19 | 23 23 | 23 23 | 21 19 | 6 58 | 1 24 |
| S 8 | 23 21 | 13 13 | 5 7 | 24 29 | 1 19 | 18 13 | 3 4 | 22 11 | 1 13 | 4 36 | 1 22 | 10 8 | 2 32 | 21 46 | 0 2 | 15 33 | 1 45 | 6 59 | 12 19 | 23 23 | 23 23 | 21 21 | 6 58 | 1 24 |
| S 9 | 23 25 | 8 17 | 5 18 | 24 40 | 1 24 | 17 58 | 3 15 | 22 1 | 1 13 | 4 37 | 1 21 | 10 8 | 2 31 | 21 46 | 0 2 | 15 33 | 1 45 | 6 59 | 12 19 | 23 23 | 23 23 | 21 22 | 6 57 | 1 24 |
| M10 | 23 27 | 2 51 | 5 12 | 24 51 | 1 29 | 17 45 | 3 25 | 21 52 | 1 13 | 4 38 | 1 21 | 10 7 | 2 31 | 21 47 | 0 2 | 15 34 | 1 45 | 6 59 | 12 19 | 23 23 | 23 22 | 21 24 | 6 57 | 1 24 |
| T 11 | 23 29 | 2s54 | 4 48 | 25 0 | 1 33 | 17 32 | 3 35 | 21 42 | 1 12 | 4 38 | 1 21 | 10 7 | 2 31 | 21 48 | 0 2 | 15 34 | 1 45 | 6 59 | 12 18 | 23 23 | 23 22 | 21 26 | 6 57 | 1 24 |
| W12 | 23 31 | 8 41 | 4 5 | 25 7 | 1 37 | 17 20 | 3 45 | 21 32 | 1 12 | 4 39 | 1 20 | 10 6 | 2 30 | 21 48 | 0 2 | 15 35 | 1 45 | 6 59 | 12 18 | 23 23 | 23 22 | 21 27 | 6 56 | 1 24 |
| T 13 | 23 32 | 14 9 | 3 6 | 25 14 | 1 42 | 17 10 | 3 54 | 21 21 | 1 12 | 4 40 | 1 20 | 10 6 | 2 30 | 21 49 | 0 2 | 15 35 | 1 45 | 6 59 | 12 18 | 23 23 | 23 22 | 21 29 | 6 56 | 1 24 |
| F 14 | 23 33 | 18 53 | 1 54 | 25 18 | 1 45 | 17 0 | 4 2 | 21 11 | 1 12 | 4 41 | 1 20 | 10 6 | 2 30 | 21 49 | 0 2 | 15 36 | 1 45 | 6 59 | 12 18 | 23 23 | 23 22 | 21 31 | 6 56 | 1 23 |
| S 15 | 23 33 | 22 26 | 0 32 | 25 22 | 1 49 | 16 52 | 4 10 | 21 0 | 1 11 | 4 43 | 1 20 | 10 5 | 2 30 | 21 50 | 0 2 | 15 36 | 1 45 | 6 59 | 12 18 | 23 23 | 23 22 | 21 33 | 6 56 | 1 23 |
| S 16 | 23 33 | 24 23 | 0s52 | 25 23 | 1 52 | 16 44 | 4 17 | 20 49 | 1 11 | 4 44 | 1 19 | 10 5 | 2 29 | 21 50 | 0 2 | 15 36 | 1 45 | 6 59 | 12 18 | 23 23 | 23 21 | 21 34 | 6 55 | 1 23 |
| M17 | 23 32 | 24 33 | 2 12 | 25 24 | 1 55 | 16 38 | 4 23 | 20 38 | 1 11 | 4 45 | 1 19 | 10 5 | 2 29 | 21 51 | 0 1 | 15 37 | 1 45 | 6 59 | 12 17 | 23 23 | 23 21 | 21 36 | 6 55 | 1 23 |
| T 18 | 23 31 | 22 56 | 3 21 | 25 22 | 1 58 | 16 32 | 4 29 | 20 26 | 1 11 | 4 47 | 1 19 | 10 5 | 2 29 | 21 51 | 0 1 | 15 37 | 1 45 | 6 59 | 12 17 | 23 23 | 23 21 | 21 38 | 6 55 | 1 23 |
| W19 | 23 29 | 19 52 | 4 16 | 25 19 | 2 0 | 16 28 | 4 35 | 20 15 | 1 10 | 4 48 | 1 18 | 10 5 | 2 28 | 21 52 | 0 1 | 15 38 | 1 45 | 6 59 | 12 17 | 23 23 | 23 21 | 21 39 | 6 55 | 1 23 |
| T 20 | 23 27 | 15 44 | 4 54 | 25 15 | 2 2 | 16 24 | 4 40 | 20 3 | 1 10 | 4 50 | 1 18 | 10 5 | 2 28 | 21 53 | 0 1 | 15 38 | 1 45 | 6 59 | 12 17 | 23 23 | 23 21 | 21 41 | 6 55 | 1 22 |
| F 21 | 23 24 | 10 56 | 5 14 | 25 9 | 2 4 | 16 21 | 4 44 | 19 50 | 1 10 | 4 51 | 1 18 | 10 5 | 2 28 | 21 53 | 0 1 | 15 39 | 1 45 | 6 59 | 12 17 | 23 22 | 23 21 | 21 43 | 6 55 | 1 22 |
| S 22 | 23 21 | 5 47 | 5 16 | 25 1 | 2 5 | 16 19 | 4 48 | 19 38 | 1 9 | 4 53 | 1 17 | 10 5 | 2 28 | 21 54 | 0 1 | 15 39 | 1 45 | 6 59 | 12 16 | 23 22 | 23 20 | 21 44 | 6 55 | 1 22 |
| S 23 | 23 18 | 0 33 | 5 3 | 24 51 | 2 6 | 16 18 | 4 52 | 19 26 | 1 9 | 4 55 | 1 17 | 10 5 | 2 27 | 21 54 | 0 1 | 15 39 | 1 45 | 6 59 | 12 16 | 23 22 | 23 20 | 21 46 | 6 55 | 1 22 |
| M24 | 23 14 | 4n34 | 4 36 | 24 40 | 2 6 | 16 18 | 4 55 | 19 13 | 1 9 | 4 57 | 1 17 | 10 5 | 2 27 | 21 55 | 0 1 | 15 40 | 1 45 | 6 59 | 12 16 | 23 22 | 23 20 | 21 48 | 6 55 | 1 22 |
| T 25 | 23 9 | 9 26 | 3 58 | 24 27 | 2 6 | 16 18 | 4 58 | 19 0 | 1 8 | 4 59 | 1 16 | 10 5 | 2 27 | 21 55 | 0 1 | 15 40 | 1 45 | 6 59 | 12 16 | 23 23 | 23 20 | 21 49 | 6 55 | 1 22 |
| W26 | 23 4 | 13 52 | 3 9 | 24 13 | 2 5 | 16 19 | 5 0 | 18 47 | 1 8 | 5 1 | 1 16 | 10 5 | 2 26 | 21 56 | 0 1 | 15 41 | 1 45 | 6 59 | 12 15 | 23 23 | 23 20 | 21 51 | 6 55 | 1 22 |
| T 27 | 22 59 | 17 45 | 2 13 | 23 56 | 2 4 | 16 21 | 5 2 | 18 33 | 1 8 | 5 3 | 1 16 | 10 6 | 2 26 | 21 56 | 0 1 | 15 41 | 1 45 | 6 59 | 12 15 | 23 23 | 23 19 | 21 53 | 6 55 | 1 21 |
| F 28 | 22 53 | 20 55 | 1 12 | 23 38 | 2 3 | 16 24 | 5 3 | 18 20 | 1 7 | 5 5 | 1 15 | 10 6 | 2 26 | 21 57 | 0 1 | 15 41 | 1 45 | 6 59 | 12 15 | 23 23 | 23 19 | 21 54 | 6 55 | 1 21 |
| S 29 | 22 47 | 23 12 | 0 7 | 23 18 | 2 1 | 16 27 | 5 4 | 18 6 | 1 7 | 5 7 | 1 15 | 10 6 | 2 25 | 21 57 | 0 1 | 15 42 | 1 46 | 6 59 | 12 15 | 23 23 | 23 19 | 21 56 | 6 55 | 1 21 |
| S 30 | 22 40 | 24 28 | 0n58 | 22 57 | 1 58 | 16 31 | 5 5 | 17 52 | 1 7 | 5 9 | 1 15 | 10 6 | 2 25 | 21 58 | 0 1 | 15 42 | 1 46 | 7 0 | 12 15 | 23 23 | 23 19 | 21 58 | 6 55 | 1 21 |
| M31 | 22s33 | 24n37 | 2n 1 | 22s34 | 1s55 | 16s35 | 5n 6 | 17s38 | 1s 6 | 5n12 | 1s15 | 10n 7 | 2s25 | 21s58 | 0n 1 | 15s42 | 1n46 | 7n 0 | 12s14 | 23n23 | 23n19 | 21n59 | 6n55 | 1n21 |

Julian Day Number = 2139603.5, Delta T = 15m29s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°49'57, Lahiri = 11°56'58 Julian Calendar 1 Dec. 1145 == Greg. Calendar 8 Dec. 1145


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## JANUARY 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 6 55 | 17♑21'33 | 28♋ 0 | 29♑31 | 7♐40 | 15♒14 | 16♈ 8 | 2♉28 | 9♐38 | 18♏29 | 24°R 2 | 23°R13 | 22♊ 2 | 14♊42 | 14♈21 | T 1 |
| W 2 | 7 10 51 | 18°22'36 | 10♌16 | 1♒12 | 8°11 | 16° 1 | 16°14 | 2°28 | 9°41 | 18°30 | 24♉ 1 | 23♊ 9 | 21°58 | 14°49 | 14°21 | W 2 |
| T 3 | 7 14 48 | 19°23'39 | 22°43 | 2°52 | 8°44 | 16°48 | 16°20 | 2°29 | 9°44 | 18°31 | 24° 1 | 23° 4 | 21°55 | 14°56 | 14°22 | T 3 |
| F 4 | 7 18 45 | 20°24'41 | 5♍22 | 4°31 | 9°19 | 17°35 | 16°26 | 2°29 | 9°47 | 18°32 | 24° 0 | 23° 0 | 21°52 | 15° 2 | 14°23 | F 4 |
| S 5 | 7 22 41 | 21°25'43 | 18°15 | 6° 9 | 9°55 | 18°23 | 16°32 | 2°30 | 9°50 | 18°34 | 24° 0 | 22°56 | 21°49 | 15° 9 | 14°24 | S 5 |
| S 6 | 7 26 38 | 22°26'44 | 1♎22 | 7°46 | 10°32 | 19°10 | 16°39 | 2°31 | 9°53 | 18°35 | 23°59 | 22°53 | 21°46 | 15°16 | 14°25 | S 6 |
| M 7 | 7 30 34 | 23°27'44 | 14°45 | 9°21 | 11°11 | 19°57 | 16°45 | 2°32 | 9°56 | 18°36 | 23°59 | 22°51 | 21°42 | 15°22 | 14°26 | M 7 |
| T 8 | 7 34 31 | 24°28'44 | 28°26 | 10°54 | 11°51 | 20°44 | 16°52 | 2°33 | 9°59 | 18°37 | 23°58 | 22°D51 | 21°39 | 15°29 | 14°27 | T 8 |
| W 9 | 7 38 27 | 25°29'43 | 12♏25 | 12°24 | 12°32 | 21°31 | 16°59 | 2°35 | 10° 2 | 18°39 | 23°58 | 22°52 | 21°36 | 15°36 | 14°29 | W 9 |
| T 10 | 7 42 24 | 26°30'41 | 26°41 | 13°50 | 13°14 | 22°18 | 17° 6 | 2°36 | 10° 5 | 18°40 | 23°57 | 22°53 | 21°33 | 15°42 | 14°30 | T 10 |
| F 11 | 7 46 20 | 27°31'39 | 11♐14 | 15°13 | 13°57 | 23° 5 | 17°13 | 2°38 | 10° 7 | 18°41 | 23°57 | 22°54 | 21°30 | 15°49 | 14°31 | F 11 |
| S 12 | 7 50 17 | 28°32'36 | 25°59 | 16°32 | 14°42 | 23°53 | 17°20 | 2°39 | 10°10 | 18°42 | 23°56 | 22°R55 | 21°27 | 15°56 | 14°32 | S 12 |
| S 13 | 7 54 14 | 29°33'32 | 10♑51 | 17°45 | 15°27 | 24°40 | 17°28 | 2°41 | 10°13 | 18°43 | 23°56 | 22°54 | 21°23 | 16° 2 | 14°34 | S 13 |
| M14 | 7 58 10 | 0♒34'27 | 25°42 | 18°52 | 16°13 | 25°27 | 17°36 | 2°43 | 10°15 | 18°44 | 23°56 | 22°51 | 21°20 | 16° 9 | 14°35 | M14 |
| T 15 | 8 2 7 | 1°35'21 | 10♒25 | 19°53 | 17° 0 | 26°14 | 17°43 | 2°45 | 10°18 | 18°45 | 23°55 | 22°46 | 21°17 | 16°15 | 14°37 | T 15 |
| W16 | 8 6 3 | 2°36'13 | 24°51 | 20°46 | 17°48 | 27° 1 | 17°51 | 2°47 | 10°21 | 18°46 | 23°55 | 22°39 | 21°14 | 16°22 | 14°38 | W16 |
| T 17 | 8 10 0 | 3°37'05 | 8♓55 | 21°30 | 18°37 | 27°48 | 18° 0 | 2°49 | 10°23 | 18°47 | 23°55 | 22°32 | 21°11 | 16°29 | 14°40 | T 17 |
| F 18 | 8 13 56 | 4°37'54 | 22°33 | 22° 6 | 19°27 | 28°35 | 18° 8 | 2°51 | 10°26 | 18°48 | 23°54 | 22°26 | 21° 8 | 16°35 | 14°42 | F 18 |
| S 19 | 8 17 53 | 5°38'42 | 5♈45 | 22°32 | 20°17 | 29°22 | 18°16 | 2°54 | 10°28 | 18°48 | 23°54 | 22°20 | 21° 4 | 16°42 | 14°43 | S 19 |
| S 20 | 8 21 49 | 6°39'29 | 18°32 | 22°47 | 21° 8 | 0♓ 9 | 18°25 | 2°56 | 10°31 | 18°49 | 23°54 | 22°17 | 21° 1 | 16°49 | 14°45 | S 20 |
| M21 | 8 25 46 | 7°40'14 | 0♉56 | 22°R52 | 22° 0 | 0°56 | 18°33 | 2°59 | 10°33 | 18°50 | 23°53 | 22°15 | 20°58 | 16°55 | 14°47 | M21 |
| T 22 | 8 29 43 | 8°40'57 | 13° 3 | 22°47 | 22°53 | 1°43 | 18°42 | 3° 1 | 10°35 | 18°51 | 23°53 | 22°D14 | 20°55 | 17° 2 | 14°49 | T 22 |
| W23 | 8 33 39 | 9°41'39 | 24°59 | 22°30 | 23°46 | 2°30 | 18°51 | 3° 4 | 10°38 | 18°51 | 23°53 | 22°16 | 20°52 | 17° 9 | 14°51 | W23 |
| T 24 | 8 37 36 | 10°42'19 | 6♊47 | 22° 3 | 24°40 | 3°16 | 19° 0 | 3° 7 | 10°40 | 18°52 | 23°53 | 22°17 | 20°48 | 17°15 | 14°53 | T 24 |
| F 25 | 8 41 32 | 11°42'58 | 18°34 | 21°26 | 25°34 | 4° 3 | 19°10 | 3°10 | 10°42 | 18°53 | 23°53 | 22°R18 | 20°45 | 17°22 | 14°55 | F 25 |
| S 26 | 8 45 29 | 12°43'34 | 0♋23 | 20°41 | 26°29 | 4°50 | 19°19 | 3°13 | 10°44 | 18°53 | 23°53 | 22°18 | 20°42 | 17°29 | 14°57 | S 26 |
| S 27 | 8 49 25 | 13°44'09 | 12°20 | 19°47 | 27°25 | 5°37 | 19°28 | 3°17 | 10°47 | 18°54 | 23°53 | 22°15 | 20°39 | 17°35 | 14°59 | S 27 |
| M28 | 8 53 22 | 14°44'43 | 24°27 | 18°48 | 28°21 | 6°24 | 19°38 | 3°20 | 10°49 | 18°54 | 23°52 | 22°11 | 20°36 | 17°42 | 15° 1 | M28 |
| T 29 | 8 57 18 | 15°45'15 | 6♌46 | 17°44 | 29°18 | 7°10 | 19°48 | 3°23 | 10°51 | 18°55 | 23°52 | 22° 4 | 20°33 | 17°49 | 15° 3 | T 29 |
| W30 | 9 1 15 | 16°45'45 | 19°19 | 16°37 | 0♑15 | 7°57 | 19°58 | 3°27 | 10°53 | 18°55 | 23°52 | 21°55 | 20°29 | 17°55 | 15° 6 | W30 |
| T 31 | 9 5 12 | 17♒46'13 | 2♍ 6 | 15♒29 | 1♑12 | 8♓44 | 20♈ 8 | 3♉30 | 10♐55 | 18♏56 | 23°D52 | 21♊44 | 20♊26 | 18♊ 2 | 15♈ 8 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s25 | 23n35 | 3n 0 | 22s 9 | 1s51 | 16s39 | 5n 6 | 17s24 | 1s 6 | 5n14 | 1s14 | 10n 7 | 2s25 | 21s59 | 0n 1 | 15s43 | 1n46 | 7n 0 | 12s14 | 23n23 | 23n19 | 22n 1 | 6n55 | 1n21 |
| W 2 | 22 17 | 21 27 | 3 50 | 21 43 | 1 46 | 16 44 | 5 6 | 17 9 | 1 6 | 5 17 | 1 14 | 10 8 | 2 24 | 21 59 | 0 1 | 15 43 | 1 46 | 7 0 | 12 14 | 23 22 | 23 18 | 22 3 | 6 55 | 1 21 |
| T 3 | 22 8 | 18 16 | 4 31 | 21 15 | 1 41 | 16 50 | 5 5 | 16 54 | 1 5 | 5 19 | 1 14 | 10 8 | 2 24 | 21 59 | 0 1 | 15 43 | 1 46 | 7 0 | 12 14 | 23 22 | 23 18 | 22 4 | 6 56 | 1 20 |
| F 4 | 21 59 | 14 13 | 4 59 | 20 45 | 1 35 | 16 56 | 5 5 | 16 40 | 1 5 | 5 22 | 1 13 | 10 9 | 2 24 | 22 0 | 0 1 | 15 44 | 1 46 | 7 0 | 12 13 | 23 22 | 23 18 | 22 6 | 6 56 | 1 20 |
| S 5 | 21 50 | 9 27 | 5 12 | 20 15 | 1 28 | 17 2 | 5 4 | 16 25 | 1 4 | 5 24 | 1 13 | 10 9 | 2 23 | 22 0 | 0 1 | 15 44 | 1 46 | 7 0 | 12 13 | 23 22 | 23 18 | 22 7 | 6 56 | 1 20 |
| S 6 | 21 40 | 4 11 | 5 10 | 19 43 | 1 21 | 17 8 | 5 3 | 16 9 | 1 4 | 5 27 | 1 13 | 10 10 | 2 23 | 22 1 | 0 1 | 15 44 | 1 46 | 7 0 | 12 13 | 23 21 | 23 18 | 22 9 | 6 56 | 1 20 |
| M 7 | 21 30 | 1s22 | 4 51 | 19 10 | 1 12 | 17 15 | 5 1 | 15 54 | 1 4 | 5 30 | 1 12 | 10 11 | 2 23 | 22 1 | 0 1 | 15 45 | 1 46 | 7 0 | 12 13 | 23 21 | 23 17 | 22 11 | 6 57 | 1 20 |
| T 8 | 21 19 | 7 0 | 4 15 | 18 35 | 1 3 | 17 22 | 4 59 | 15 39 | 1 3 | 5 33 | 1 12 | 10 11 | 2 22 | 22 2 | 0 1 | 15 45 | 1 46 | 7 1 | 12 12 | 23 21 | 23 17 | 22 12 | 6 57 | 1 20 |
| W 9 | 21 8 | 12 24 | 3 24 | 18 1 | 0 53 | 17 29 | 4 58 | 15 23 | 1 3 | 5 36 | 1 12 | 10 12 | 2 22 | 22 2 | 0 1 | 15 45 | 1 46 | 7 1 | 12 12 | 23 21 | 23 17 | 22 14 | 6 57 | 1 20 |
| T 10 | 20 57 | 17 16 | 2 19 | 17 25 | 0 42 | 17 36 | 4 56 | 15 7 | 1 2 | 5 39 | 1 12 | 10 13 | 2 22 | 22 3 | 0 1 | 15 45 | 1 46 | 7 1 | 12 12 | 23 21 | 23 17 | 22 15 | 6 58 | 1 19 |
| F 11 | 20 45 | 21 11 | 1 3 | 16 50 | 0 30 | 17 44 | 4 53 | 14 51 | 1 2 | 5 42 | 1 11 | 10 14 | 2 21 | 22 3 | 0 1 | 15 46 | 1 46 | 7 1 | 12 11 | 23 22 | 23 17 | 22 17 | 6 58 | 1 19 |
| S 12 | 20 33 | 23 46 | 0s17 | 16 14 | 0 18 | 17 51 | 4 51 | 14 35 | 1 1 | 5 45 | 1 11 | 10 14 | 2 21 | 22 3 | 0 1 | 15 46 | 1 46 | 7 1 | 12 11 | 23 22 | 23 16 | 22 19 | 6 58 | 1 19 |
| S 13 | 20 20 | 24 42 | 1 36 | 15 39 | 0 4 | 17 59 | 4 48 | 14 19 | 1 1 | 5 48 | 1 11 | 10 15 | 2 21 | 22 4 | 0 1 | 15 46 | 1 46 | 7 1 | 12 11 | 23 22 | 23 16 | 22 20 | 6 59 | 1 19 |
| M14 | 20 7 | 23 52 | 2 49 | 15 5 | 0n10 | 18 6 | 4 45 | 14 3 | 1 0 | 5 51 | 1 11 | 10 16 | 2 21 | 22 4 | 0 1 | 15 46 | 1 46 | 7 2 | 12 11 | 23 21 | 23 16 | 22 22 | 6 59 | 1 19 |
| T 15 | 19 54 | 21 24 | 3 50 | 14 31 | 0 25 | 18 14 | 4 42 | 13 46 | 1 0 | 5 54 | 1 10 | 10 17 | 2 20 | 22 5 | 0 1 | 15 47 | 1 46 | 7 2 | 12 10 | 23 21 | 23 16 | 22 23 | 7 0 | 1 19 |
| W16 | 19 40 | 17 36 | 4 35 | 14 0 | 0 41 | 18 21 | 4 39 | 13 30 | 1 0 | 5 58 | 1 10 | 10 18 | 2 20 | 22 5 | 0 1 | 15 47 | 1 46 | 7 2 | 12 10 | 23 21 | 23 16 | 22 25 | 7 0 | 1 19 |
| T 17 | 19 26 | 12 55 | 5 1 | 13 30 | 0 57 | 18 29 | 4 36 | 13 13 | 0 59 | 6 1 | 1 10 | 10 19 | 2 20 | 22 5 | 0 1 | 15 47 | 1 46 | 7 2 | 12 10 | 23 20 | 23 15 | 22 26 | 7 1 | 1 18 |
| F 18 | 19 12 | 7 42 | 5 10 | 13 3 | 1 14 | 18 36 | 4 33 | 12 56 | 0 59 | 6 4 | 1 9 | 10 20 | 2 19 | 22 6 | 0 1 | 15 47 | 1 47 | 7 2 | 12 10 | 23 20 | 23 15 | 22 28 | 7 1 | 1 18 |
| S 19 | 18 57 | 2 19 | 5 2 | 12 38 | 1 31 | 18 43 | 4 29 | 12 39 | 0 58 | 6 8 | 1 9 | 10 21 | 2 19 | 22 6 | 0 1 | 15 47 | 1 47 | 7 3 | 12 9 | 23 20 | 23 15 | 22 29 | 7 2 | 1 18 |
| S 20 | 18 42 | 3n 0 | 4 38 | 12 17 | 1 48 | 18 50 | 4 25 | 12 22 | 0 58 | 6 11 | 1 9 | 10 22 | 2 19 | 22 6 | 0 1 | 15 48 | 1 47 | 7 3 | 12 9 | 23 19 | 23 15 | 22 31 | 7 2 | 1 18 |
| M21 | 18 26 | 8 4 | 4 2 | 11 59 | 2 5 | 18 57 | 4 22 | 12 5 | 0 57 | 6 15 | 1 9 | 10 24 | 2 19 | 22 7 | 0 1 | 15 48 | 1 47 | 7 3 | 12 9 | 23 19 | 23 14 | 22 33 | 7 3 | 1 18 |
| T 22 | 18 10 | 12 43 | 3 16 | 11 46 | 2 21 | 19 4 | 4 18 | 11 48 | 0 57 | 6 18 | 1 8 | 10 25 | 2 18 | 22 7 | 0 1 | 15 48 | 1 47 | 7 3 | 12 8 | 23 19 | 23 14 | 22 34 | 7 3 | 1 18 |
| W23 | 17 54 | 16 48 | 2 22 | 11 36 | 2 37 | 19 11 | 4 14 | 11 31 | 0 56 | 6 22 | 1 8 | 10 26 | 2 18 | 22 7 | 0 1 | 15 48 | 1 47 | 7 3 | 12 8 | 23 19 | 23 14 | 22 36 | 7 4 | 1 18 |
| T 24 | 17 38 | 20 11 | 1 23 | 11 31 | 2 52 | 19 17 | 4 10 | 11 13 | 0 56 | 6 26 | 1 8 | 10 27 | 2 18 | 22 8 | 0 1 | 15 48 | 1 47 | 7 4 | 12 8 | 23 19 | 23 14 | 22 37 | 7 5 | 1 17 |
| F 25 | 17 21 | 22 43 | 0 20 | 11 30 | 3 5 | 19 23 | 4 5 | 10 55 | 0 55 | 6 29 | 1 8 | 10 29 | 2 17 | 22 8 | 0 1 | 15 48 | 1 47 | 7 4 | 12 8 | 23 20 | 23 14 | 22 39 | 7 5 | 1 17 |
| S 26 | 17 4 | 24 17 | 0n44 | 11 33 | 3 17 | 19 29 | 4 1 | 10 38 | 0 55 | 6 33 | 1 7 | 10 30 | 2 17 | 22 8 | 0 1 | 15 48 | 1 47 | 7 4 | 12 7 | 23 20 | 23 13 | 22 40 | 7 6 | 1 17 |
| S 27 | 16 47 | 24 44 | 1 46 | 11 40 | 3 27 | 19 35 | 3 57 | 10 20 | 0 54 | 6 37 | 1 7 | 10 31 | 2 17 | 22 9 | 0 1 | 15 48 | 1 47 | 7 4 | 12 7 | 23 19 | 23 13 | 22 42 | 7 7 | 1 17 |
| M28 | 16 29 | 24 1 | 2 44 | 11 51 | 3 35 | 19 40 | 3 52 | 10 2 | 0 54 | 6 41 | 1 7 | 10 33 | 2 16 | 22 9 | 0 1 | 15 49 | 1 47 | 7 5 | 12 7 | 23 19 | 23 13 | 22 43 | 7 8 | 1 17 |
| T 29 | 16 11 | 22 9 | 3 36 | 12 5 | 3 41 | 19 45 | 3 48 | 9 44 | 0 53 | 6 45 | 1 7 | 10 34 | 2 16 | 22 9 | 0 1 | 15 49 | 1 47 | 7 5 | 12 6 | 23 19 | 23 13 | 22 45 | 7 8 | 1 17 |
| W30 | 15 53 | 19 10 | 4 18 | 12 21 | 3 45 | 19 50 | 3 43 | 9 26 | 0 53 | 6 49 | 1 6 | 10 35 | 2 16 | 22 10 | 0 1 | 15 49 | 1 47 | 7 5 | 12 6 | 23 18 | 23 12 | 22 46 | 7 9 | 1 17 |
| T 31 | 15s35 | 15n14 | 4n47 | 12s40 | 3n46 | 19s54 | 3n39 | 9s 8 | 0s52 | 6n53 | 1s 6 | 10n37 | 2s16 | 22s10 | 0n 1 | 15s49 | 1n47 | 7n 6 | 12s 6 | 23n17 | 23n12 | 22n48 | 7n10 | 1n17 |

Julian Day Number = 2139634.5, Delta T = 15m28s
Ecliptic obliquity = 23°33'01, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'01, Lahiri = 11°57'02 Julian Calendar 1 Jan. 1146 == Greg. Calendar 8 Jan. 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## FEBRUARY 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 9 8 | 18♒46'40 | 15♍ 6 | 14°R22 | 2♉11 | 9♓30 | 20♈18 | 3♉34 | 10♐57 | 18♏56 | 23♉52 | 21°R34 | 20♊23 | 18♊ 8 | 15♈10 | F 1 |
| S 2 | 9 13 5 | 19°47'05 | 28°19 | 13♒18 | 3° 9 | 10°17 | 20°28 | 3°38 | 10°58 | 18°57 | 23°52 | 21♊24 | 20°20 | 18°15 | 15°13 | S 2 |
| S 3 | 9 17 1 | 20°47'29 | 11♎43 | 12°17 | 4° 8 | 11° 3 | 20°38 | 3°42 | 11° 0 | 18°57 | 23°52 | 21°16 | 20°17 | 18°22 | 15°15 | S 3 |
| M 4 | 9 20 58 | 21°47'51 | 25°18 | 11°20 | 5° 8 | 11°50 | 20°49 | 3°46 | 11° 2 | 18°57 | 23°53 | 21°11 | 20°13 | 18°28 | 15°18 | M 4 |
| T 5 | 9 24 54 | 22°48'12 | 9♏ 3 | 10°30 | 6° 8 | 12°37 | 20°59 | 3°50 | 11° 4 | 18°58 | 23°53 | 21° 8 | 20°10 | 18°35 | 15°20 | T 5 |
| W 6 | 9 28 51 | 23°48'31 | 22°57 | 9°46 | 7° 8 | 13°23 | 21°10 | 3°54 | 11° 5 | 18°58 | 23°53 | 21°D 7 | 20° 7 | 18°42 | 15°23 | W 6 |
| T 7 | 9 32 47 | 24°48'50 | 7♐ 1 | 9° 9 | 8° 9 | 14° 9 | 21°20 | 3°58 | 11° 7 | 18°58 | 23°53 | 21° 7 | 20° 4 | 18°48 | 15°25 | T 7 |
| F 8 | 9 36 44 | 25°49'06 | 21°15 | 8°39 | 9°10 | 14°56 | 21°31 | 4° 3 | 11° 9 | 18°58 | 23°53 | 21°R 8 | 20° 1 | 18°55 | 15°28 | F 8 |
| S 9 | 9 40 41 | 26°49'21 | 5♑35 | 8°17 | 10°11 | 15°42 | 21°42 | 4° 7 | 11°10 | 18°58 | 23°53 | 21° 7 | 19°58 | 19° 2 | 15°31 | S 9 |
| S 10 | 9 44 37 | 27°49'35 | 20° 1 | 8° 1 | 11°13 | 16°29 | 21°53 | 4°11 | 11°12 | 18°58 | 23°53 | 21° 4 | 19°54 | 19° 8 | 15°33 | S 10 |
| M11 | 9 48 34 | 28°49'47 | 4♒26 | 7°53 | 12°15 | 17°15 | 22° 4 | 4°16 | 11°13 | 18°59 | 23°54 | 20°58 | 19°51 | 19°15 | 15°36 | M11 |
| T 12 | 9 52 30 | 29°49'57 | 18°47 | 7°D51 | 13°17 | 18° 1 | 22°16 | 4°21 | 11°14 | 18°59 | 23°54 | 20°49 | 19°48 | 19°22 | 15°39 | T 12 |
| W13 | 9 56 27 | 0♓50'05 | 2♓57 | 7°55 | 14°20 | 18°48 | 22°27 | 4°26 | 11°16 | 18°R59 | 23°54 | 20°39 | 19°45 | 19°28 | 15°42 | W13 |
| T 14 | 10 0 23 | 1°50'12 | 16°51 | 8° 6 | 15°23 | 19°34 | 22°38 | 4°30 | 11°17 | 18°59 | 23°55 | 20°27 | 19°42 | 19°35 | 15°44 | T 14 |
| F 15 | 10 4 20 | 2°50'16 | 0♈24 | 8°22 | 16°26 | 20°20 | 22°50 | 4°35 | 11°18 | 18°58 | 23°55 | 20°15 | 19°39 | 19°41 | 15°47 | F 15 |
| S 16 | 10 8 16 | 3°50'18 | 13°34 | 8°44 | 17°29 | 21° 6 | 23° 2 | 4°40 | 11°19 | 18°58 | 23°55 | 20° 5 | 19°35 | 19°48 | 15°50 | S 16 |
| S 17 | 10 12 13 | 4°50'19 | 26°21 | 9°11 | 18°33 | 21°52 | 23°13 | 4°45 | 11°21 | 18°58 | 23°56 | 19°57 | 19°32 | 19°55 | 15°53 | S 17 |
| M18 | 10 16 10 | 5°50'17 | 8♉48 | 9°42 | 19°37 | 22°38 | 23°25 | 4°51 | 11°22 | 18°58 | 23°56 | 19°51 | 19°29 | 20° 1 | 15°56 | M18 |
| T 19 | 10 20 6 | 6°50'12 | 20°57 | 10°18 | 20°41 | 23°24 | 23°37 | 4°56 | 11°23 | 18°58 | 23°56 | 19°48 | 19°26 | 20° 8 | 15°59 | T 19 |
| W20 | 10 24 3 | 7°50'06 | 2♊54 | 10°58 | 21°45 | 24°10 | 23°49 | 5° 1 | 11°24 | 18°58 | 23°57 | 19°47 | 19°23 | 20°15 | 16° 2 | W20 |
| T 21 | 10 27 59 | 8°49'58 | 14°43 | 11°42 | 22°50 | 24°56 | 24° 1 | 5° 7 | 11°25 | 18°57 | 23°57 | 19°47 | 19°19 | 20°21 | 16° 5 | T 21 |
| F 22 | 10 31 56 | 9°49'47 | 26°30 | 12°30 | 23°55 | 25°42 | 24°13 | 5°12 | 11°25 | 18°57 | 23°58 | 19°47 | 19°16 | 20°28 | 16° 9 | F 22 |
| S 23 | 10 35 52 | 10°49'34 | 8♋22 | 13°21 | 25° 0 | 26°28 | 24°25 | 5°18 | 11°26 | 18°57 | 23°58 | 19°46 | 19°13 | 20°35 | 16°12 | S 23 |
| S 24 | 10 39 49 | 11°49'18 | 20°22 | 14°15 | 26° 5 | 27°14 | 24°37 | 5°23 | 11°27 | 18°56 | 23°59 | 19°42 | 19°10 | 20°41 | 16°15 | S 24 |
| M25 | 10 43 45 | 12°49'01 | 2♌35 | 15°12 | 27°11 | 27°59 | 24°50 | 5°29 | 11°28 | 18°56 | 23°59 | 19°36 | 19° 7 | 20°48 | 16°18 | M25 |
| T 26 | 10 47 42 | 13°48'41 | 15° 5 | 16°12 | 28°17 | 28°45 | 25° 2 | 5°35 | 11°28 | 18°56 | 24° 0 | 19°28 | 19° 4 | 20°55 | 16°21 | T 26 |
| W27 | 10 51 39 | 14°48'19 | 27°52 | 17°14 | 29°22 | 29°31 | 25°15 | 5°40 | 11°29 | 18°55 | 24° 0 | 19°16 | 19° 0 | 21° 1 | 16°25 | W27 |
| T 28 | 10 55 35 | 15♓47'55 | 10♍58 | 18♒19 | 0♒28 | 0♈16 | 25♈27 | 5♉46 | 11♐30 | 18♏55 | 24♉ 1 | 19♊ 4 | 18♊57 | 21♊ 8 | 16♈28 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s16 | 10n33 | 5n 3 | 13s 0 | 3n45 | 19s58 | 3n34 | 8s50 | 0s52 | 6n57 | 1s 6 | 10n38 | 2s15 | 22s10 | 0n 1 | 15s49 | 1n47 | 7n 6 | 12s 5 | 23n17 | 23n12 | 22n49 | 7n11 | 1n16 |
| S 2 | 14 57 | 5 18 | 5 3 | 13 22 | 3 42 | 20 2 | 3 29 | 8 32 | 0 51 | 7 1 | 1 6 | 10 40 | 2 15 | 22 10 | 0 1 | 15 49 | 1 47 | 7 6 | 12 5 | 23 16 | 23 12 | 22 51 | 7 11 | 1 16 |
| S 3 | 14 38 | 0s16 | 4 46 | 13 44 | 3 37 | 20 5 | 3 24 | 8 14 | 0 51 | 7 5 | 1 6 | 10 42 | 2 15 | 22 11 | 0 1 | 15 49 | 1 47 | 7 6 | 12 5 | 23 16 | 23 12 | 22 52 | 7 12 | 1 16 |
| M 4 | 14 18 | 5 54 | 4 13 | 14 6 | 3 30 | 20 8 | 3 19 | 7 56 | 0 50 | 7 9 | 1 5 | 10 43 | 2 15 | 22 11 | 0 1 | 15 49 | 1 48 | 7 7 | 12 5 | 23 15 | 23 11 | 22 53 | 7 13 | 1 16 |
| T 5 | 13 59 | 11 20 | 3 25 | 14 28 | 3 21 | 20 10 | 3 14 | 7 37 | 0 49 | 7 13 | 1 5 | 10 45 | 2 14 | 22 11 | 0 1 | 15 49 | 1 48 | 7 7 | 12 4 | 23 15 | 23 11 | 22 55 | 7 14 | 1 16 |
| W 6 | 13 39 | 16 16 | 2 24 | 14 49 | 3 11 | 20 12 | 3 10 | 7 19 | 0 49 | 7 17 | 1 5 | 10 46 | 2 14 | 22 12 | 0 1 | 15 49 | 1 48 | 7 7 | 12 4 | 23 15 | 23 11 | 22 56 | 7 15 | 1 16 |
| T 7 | 13 19 | 20 21 | 1 15 | 15 9 | 3 0 | 20 14 | 3 5 | 7 0 | 0 48 | 7 22 | 1 5 | 10 48 | 2 14 | 22 12 | 0 1 | 15 49 | 1 48 | 7 8 | 12 4 | 23 15 | 23 11 | 22 58 | 7 16 | 1 16 |
| F 8 | 12 58 | 23 16 | 0s 1 | 15 28 | 2 48 | 20 15 | 2 59 | 6 42 | 0 48 | 7 26 | 1 4 | 10 50 | 2 14 | 22 12 | 0 1 | 15 49 | 1 48 | 7 8 | 12 3 | 23 15 | 23 10 | 22 59 | 7 17 | 1 16 |
| S 9 | 12 38 | 24 42 | 1 16 | 15 46 | 2 36 | 20 16 | 2 54 | 6 23 | 0 47 | 7 30 | 1 4 | 10 52 | 2 13 | 22 12 | 0 1 | 15 49 | 1 48 | 7 8 | 12 3 | 23 15 | 23 10 | 23 1 | 7 18 | 1 15 |
| S 10 | 12 17 | 24 29 | 2 27 | 16 3 | 2 23 | 20 16 | 2 49 | 6 5 | 0 47 | 7 35 | 1 4 | 10 53 | 2 13 | 22 12 | 0 1 | 15 49 | 1 48 | 7 9 | 12 3 | 23 15 | 23 10 | 23 2 | 7 18 | 1 15 |
| M11 | 11 56 | 22 37 | 3 29 | 16 18 | 2 10 | 20 16 | 2 44 | 5 46 | 0 46 | 7 39 | 1 4 | 10 55 | 2 13 | 22 13 | 0 1 | 15 49 | 1 48 | 7 9 | 12 3 | 23 14 | 23 10 | 23 4 | 7 19 | 1 15 |
| T 12 | 11 35 | 19 19 | 4 17 | 16 31 | 1 56 | 20 15 | 2 39 | 5 27 | 0 46 | 7 43 | 1 4 | 10 57 | 2 13 | 22 13 | 0 1 | 15 49 | 1 48 | 7 9 | 12 2 | 23 14 | 23 9 | 23 5 | 7 20 | 1 15 |
| W13 | 11 14 | 14 56 | 4 48 | 16 43 | 1 43 | 20 14 | 2 34 | 5 9 | 0 45 | 7 48 | 1 3 | 10 59 | 2 12 | 22 13 | 0 1 | 15 49 | 1 48 | 7 10 | 12 2 | 23 13 | 23 9 | 23 6 | 7 21 | 1 15 |
| T 14 | 10 52 | 9 50 | 5 1 | 16 53 | 1 29 | 20 12 | 2 29 | 4 50 | 0 44 | 7 52 | 1 3 | 11 1 | 2 12 | 22 13 | 0 1 | 15 49 | 1 48 | 7 10 | 12 2 | 23 12 | 23 9 | 23 8 | 7 22 | 1 15 |
| F 15 | 10 31 | 4 23 | 4 57 | 17 2 | 1 16 | 20 10 | 2 24 | 4 31 | 0 44 | 7 57 | 1 3 | 11 3 | 2 12 | 22 13 | 0 1 | 15 49 | 1 48 | 7 10 | 12 1 | 23 11 | 23 9 | 23 9 | 7 23 | 1 15 |
| S 16 | 10 9 | 1n 7 | 4 37 | 17 9 | 1 3 | 20 7 | 2 18 | 4 12 | 0 43 | 8 1 | 1 3 | 11 4 | 2 12 | 22 14 | 0 1 | 15 49 | 1 48 | 7 11 | 12 1 | 23 11 | 23 8 | 23 11 | 7 24 | 1 15 |
| S 17 | 9 47 | 6 26 | 4 4 | 17 14 | 0 50 | 20 4 | 2 13 | 3 54 | 0 43 | 8 6 | 1 3 | 11 6 | 2 11 | 22 14 | 0 1 | 15 48 | 1 48 | 7 11 | 12 1 | 23 10 | 23 8 | 23 12 | 7 25 | 1 14 |
| M18 | 9 25 | 11 21 | 3 19 | 17 18 | 0 37 | 20 0 | 2 8 | 3 35 | 0 42 | 8 10 | 1 2 | 11 8 | 2 11 | 22 14 | 0 1 | 15 48 | 1 48 | 7 11 | 12 1 | 23 10 | 23 8 | 23 13 | 7 27 | 1 14 |
| T 19 | 9 3 | 15 43 | 2 27 | 17 20 | 0 25 | 19 55 | 2 3 | 3 16 | 0 42 | 8 15 | 1 2 | 11 10 | 2 11 | 22 14 | 0 1 | 15 48 | 1 48 | 7 12 | 12 0 | 23 9 | 23 8 | 23 15 | 7 28 | 1 14 |
| W20 | 8 40 | 19 23 | 1 28 | 17 21 | 0 13 | 19 51 | 1 58 | 2 57 | 0 41 | 8 19 | 1 2 | 11 12 | 2 11 | 22 14 | 0 1 | 15 48 | 1 48 | 7 12 | 12 0 | 23 9 | 23 7 | 23 16 | 7 29 | 1 14 |
| T 21 | 8 18 | 22 13 | 0 27 | 17 20 | 0 2 | 19 45 | 1 53 | 2 38 | 0 40 | 8 24 | 1 2 | 11 14 | 2 10 | 22 14 | 0 1 | 15 48 | 1 48 | 7 13 | 12 0 | 23 9 | 23 7 | 23 17 | 7 30 | 1 14 |
| F 22 | 7 55 | 24 6 | 0n36 | 17 17 | 0s 9 | 19 39 | 1 48 | 2 19 | 0 40 | 8 29 | 1 2 | 11 16 | 2 10 | 22 14 | 0 1 | 15 48 | 1 49 | 7 13 | 11 59 | 23 9 | 23 7 | 23 19 | 7 31 | 1 14 |
| S 23 | 7 32 | 24 54 | 1 37 | 17 13 | 0 20 | 19 33 | 1 42 | 2 1 | 0 39 | 8 33 | 1 2 | 11 18 | 2 10 | 22 15 | 0 1 | 15 48 | 1 49 | 7 13 | 11 59 | 23 9 | 23 7 | 23 20 | 7 32 | 1 14 |
| S 24 | 7 10 | 24 33 | 2 34 | 17 7 | 0 30 | 19 26 | 1 37 | 1 42 | 0 39 | 8 38 | 1 1 | 11 20 | 2 10 | 22 15 | 0 1 | 15 48 | 1 49 | 7 14 | 11 59 | 23 9 | 23 6 | 23 22 | 7 33 | 1 14 |
| M25 | 6 47 | 23 1 | 3 26 | 17 0 | 0 40 | 19 19 | 1 32 | 1 23 | 0 38 | 8 43 | 1 1 | 11 23 | 2 9 | 22 15 | 0 1 | 15 47 | 1 49 | 7 14 | 11 59 | 23 8 | 23 6 | 23 23 | 7 34 | 1 14 |
| T 26 | 6 24 | 20 21 | 4 9 | 16 51 | 0 50 | 19 11 | 1 27 | 1 4 | 0 37 | 8 47 | 1 1 | 11 25 | 2 9 | 22 15 | 0 1 | 15 47 | 1 49 | 7 14 | 11 58 | 23 8 | 23 6 | 23 24 | 7 35 | 1 14 |
| W27 | 6 1 | 16 38 | 4 40 | 16 40 | 0 59 | 19 2 | 1 22 | 0 45 | 0 37 | 8 52 | 1 1 | 11 27 | 2 9 | 22 15 | 0 1 | 15 47 | 1 49 | 7 15 | 11 58 | 23 7 | 23 6 | 23 26 | 7 37 | 1 13 |
| T 28 | 5s38 | 12n 4 | 4n57 | 16s29 | 1s 7 | 18s53 | 1n17 | 0s27 | 0s36 | 8n57 | 1s 1 | 11n29 | 2s 9 | 22s15 | 0n 1 | 15s47 | 1n49 | 7n15 | 11s58 | 23n 6 | 23n 5 | 23n27 | 7n38 | 1n13 |

Julian Day Number = 2139665.5, Delta T = 15m28s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'06, Lahiri = 11°57'06 Julian Calendar 1 Feb. 1146 == Greg. Calendar 8 Feb. 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## MARCH 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 59 32 | 16♓47'29 | 24♍21 | 19♒26 | 1♒35 | 1♈ 2 | 25♈40 | 5♉52 | 11♐30 | 18°R54 | 24♉ 1 | 18°R51 | 18♊54 | 21♊14 | 16♈31 | F 1 |
| S 2 | 11 3 28 | 17°47'00 | 7♎59 | 20°36 | 2°41 | 1°48 | 25°53 | 5°58 | 11°31 | 18♏54 | 24° 2 | 18♊38 | 18°51 | 21°21 | 16°34 | S 2 |
| S 3 | 11 7 25 | 18°46'30 | 21°49 | 21°47 | 3°48 | 2°33 | 26° 5 | 6° 4 | 11°31 | 18°53 | 24° 3 | 18°28 | 18°48 | 21°28 | 16°38 | S 3 |
| M 4 | 11 11 21 | 19°45'58 | 5♏46 | 23° 1 | 4°54 | 3°18 | 26°18 | 6°11 | 11°31 | 18°52 | 24° 3 | 18°21 | 18°45 | 21°34 | 16°41 | M 4 |
| T 5 | 11 15 18 | 20°45'24 | 19°48 | 24°16 | 6° 1 | 4° 4 | 26°31 | 6°17 | 11°32 | 18°52 | 24° 4 | 18°16 | 18°41 | 21°41 | 16°45 | T 5 |
| W 6 | 11 19 14 | 21°44'48 | 3♐53 | 25°34 | 7° 8 | 4°49 | 26°44 | 6°23 | 11°32 | 18°51 | 24° 5 | 18°14 | 18°38 | 21°48 | 16°48 | W 6 |
| T 7 | 11 23 11 | 22°44'11 | 17°58 | 26°53 | 8°16 | 5°35 | 26°57 | 6°29 | 11°32 | 18°50 | 24° 6 | 18°14 | 18°35 | 21°54 | 16°51 | T 7 |
| F 8 | 11 27 8 | 23°43'32 | 2♑ 4 | 28°14 | 9°23 | 6°20 | 27°10 | 6°36 | 11°32 | 18°50 | 24° 6 | 18°14 | 18°32 | 22° 1 | 16°55 | F 8 |
| S 9 | 11 31 4 | 24°42'51 | 16° 9 | 29°37 | 10°30 | 7° 5 | 27°23 | 6°42 | 11°32 | 18°49 | 24° 7 | 18°13 | 18°29 | 22° 8 | 16°58 | S 9 |
| S 10 | 11 35 1 | 25°42'08 | 0♒13 | 1♓ 1 | 11°38 | 7°50 | 27°36 | 6°49 | 11°R32 | 18°48 | 24° 8 | 18° 9 | 18°25 | 22°14 | 17° 2 | S 10 |
| M11 | 11 38 57 | 26°41'23 | 14°13 | 2°27 | 12°46 | 8°35 | 27°49 | 6°55 | 11°32 | 18°47 | 24° 9 | 18° 3 | 18°22 | 22°21 | 17° 5 | M11 |
| T 12 | 11 42 54 | 27°40'37 | 28° 7 | 3°55 | 13°54 | 9°21 | 28° 3 | 7° 2 | 11°32 | 18°46 | 24° 9 | 17°54 | 18°19 | 22°28 | 17° 9 | T 12 |
| W13 | 11 46 50 | 28°39'48 | 11♓51 | 5°24 | 15° 2 | 10° 6 | 28°16 | 7° 8 | 11°32 | 18°46 | 24°10 | 17°43 | 18°16 | 22°34 | 17°13 | W13 |
| T 14 | 11 50 47 | 29°38'58 | 25°23 | 6°55 | 16°10 | 10°51 | 28°29 | 7°15 | 11°32 | 18°45 | 24°11 | 17°31 | 18°13 | 22°41 | 17°16 | T 14 |
| F 15 | 11 54 43 | 0♈38'05 | 8♈38 | 8°27 | 17°18 | 11°36 | 28°43 | 7°22 | 11°32 | 18°44 | 24°12 | 17°18 | 18°10 | 22°48 | 17°20 | F 15 |
| S 16 | 11 58 40 | 1°37'11 | 21°36 | 10° 1 | 18°26 | 12°20 | 28°56 | 7°29 | 11°31 | 18°43 | 24°13 | 17° 7 | 18° 6 | 22°54 | 17°23 | S 16 |
| S 17 | 12 2 36 | 2°36'14 | 4♉16 | 11°36 | 19°35 | 13° 5 | 29°10 | 7°36 | 11°31 | 18°42 | 24°14 | 16°58 | 18° 3 | 23° 1 | 17°27 | S 17 |
| M18 | 12 6 33 | 3°35'15 | 16°39 | 13°13 | 20°43 | 13°50 | 29°23 | 7°42 | 11°31 | 18°41 | 24°15 | 16°52 | 18° 0 | 23° 7 | 17°30 | M18 |
| T 19 | 12 10 30 | 4°34'13 | 28°46 | 14°51 | 21°52 | 14°35 | 29°37 | 7°49 | 11°30 | 18°40 | 24°16 | 16°48 | 17°57 | 23°14 | 17°34 | T 19 |
| W20 | 12 14 26 | 5°33'10 | 10♊42 | 16°30 | 23° 1 | 15°20 | 29°50 | 7°56 | 11°30 | 18°39 | 24°16 | 16°46 | 17°54 | 23°21 | 17°38 | W20 |
| T 21 | 12 18 23 | 6°32'04 | 22°32 | 18°12 | 24°10 | 16° 4 | 0♉ 4 | 8° 3 | 11°29 | 18°38 | 24°17 | 16°D46 | 17°50 | 23°27 | 17°41 | T 21 |
| F 22 | 12 22 19 | 7°30'56 | 4♋20 | 19°54 | 25°18 | 16°49 | 0°18 | 8°10 | 11°29 | 18°36 | 24°18 | 16°R47 | 17°47 | 23°34 | 17°45 | F 22 |
| S 23 | 12 26 16 | 8°29'46 | 16°12 | 21°38 | 26°27 | 17°33 | 0°32 | 8°18 | 11°28 | 18°35 | 24°19 | 16°46 | 17°44 | 23°41 | 17°49 | S 23 |
| S 24 | 12 30 12 | 9°28'33 | 28°13 | 23°24 | 27°37 | 18°18 | 0°45 | 8°25 | 11°27 | 18°34 | 24°20 | 16°45 | 17°41 | 23°47 | 17°52 | S 24 |
| M25 | 12 34 9 | 10°27'18 | 10♌29 | 25°11 | 28°46 | 19° 2 | 0°59 | 8°32 | 11°27 | 18°33 | 24°21 | 16°41 | 17°38 | 23°54 | 17°56 | M25 |
| T 26 | 12 38 5 | 11°26'01 | 23° 3 | 27° 0 | 29°55 | 19°47 | 1°13 | 8°39 | 11°26 | 18°32 | 24°22 | 16°34 | 17°35 | 24° 1 | 18° 0 | T 26 |
| W27 | 12 42 2 | 12°24'41 | 5♍59 | 28°51 | 1♓ 4 | 20°31 | 1°27 | 8°46 | 11°25 | 18°31 | 24°24 | 16°26 | 17°31 | 24° 7 | 18° 4 | W27 |
| T 28 | 12 45 59 | 13°23'20 | 19°17 | 0♈42 | 2°14 | 21°15 | 1°41 | 8°54 | 11°24 | 18°29 | 24°25 | 16°16 | 17°28 | 24°14 | 18° 7 | T 28 |
| F 29 | 12 49 55 | 14°21'56 | 2♎58 | 2°36 | 3°23 | 22° 0 | 1°55 | 9° 1 | 11°23 | 18°28 | 24°26 | 16° 5 | 17°25 | 24°21 | 18°11 | F 29 |
| S 30 | 12 53 52 | 15°20'30 | 16°58 | 4°31 | 4°33 | 22°44 | 2° 9 | 9° 8 | 11°22 | 18°27 | 24°27 | 15°56 | 17°22 | 24°27 | 18°15 | S 30 |
| S 31 | 12 57 48 | 16♈19'02 | 1♏12 | 6♈27 | 5♓42 | 23♈28 | 2♉22 | 9♉16 | 11♐21 | 18♏26 | 24♉28 | 15♊48 | 17♊19 | 24♊34 | 18♈18 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 5s14 | 6n49 | 4n59 | 16s15 | 1s15 | 18s44 | 1n12 | 0s 8 | 0s36 | 9n 2 | 1s 1 | 11n31 | 2s 9 | 22s15 | 0n 1 | 15s47 | 1n49 | 7n16 | 11s58 | 23n 5 | 23n 5 | 23n28 | 7n39 | 1n13 | F 1 |
| S 2 | 4 51 | 1 9 | 4 44 | 16 0 | 1 23 | 18 34 | 1 7 | 0n11 | 0 35 | 9 6 | 1 0 | 11 33 | 2 8 | 22 15 | 0 1 | 15 46 | 1 49 | 7 16 | 11 57 | 23 4 | 23 5 | 23 30 | 7 40 | 1 13 | S 2 |
| S 3 | 4 28 | 4s39 | 4 12 | 15 44 | 1 30 | 18 23 | 1 2 | 0 30 | 0 34 | 9 11 | 1 0 | 11 35 | 2 8 | 22 15 | 0 1 | 15 46 | 1 49 | 7 16 | 11 57 | 23 3 | 23 5 | 23 31 | 7 41 | 1 13 | S 3 |
| M 4 | 4 4 | 10 18 | 3 24 | 15 26 | 1 37 | 18 12 | 0 57 | 0 48 | 0 34 | 9 16 | 1 0 | 11 38 | 2 8 | 22 15 | 0 1 | 15 46 | 1 49 | 7 17 | 11 57 | 23 2 | 23 4 | 23 32 | 7 43 | 1 13 | M 4 |
| T 5 | 3 41 | 15 27 | 2 24 | 15 7 | 1 43 | 18 0 | 0 53 | 1 7 | 0 33 | 9 21 | 1 0 | 11 40 | 2 8 | 22 15 | 0 1 | 15 46 | 1 49 | 7 17 | 11 56 | 23 2 | 23 4 | 23 33 | 7 44 | 1 13 | T 5 |
| W 6 | 3 17 | 19 48 | 1 15 | 14 46 | 1 49 | 17 48 | 0 48 | 1 26 | 0 32 | 9 26 | 1 0 | 11 42 | 2 8 | 22 15 | 0 1 | 15 46 | 1 49 | 7 18 | 11 56 | 23 2 | 23 4 | 23 35 | 7 45 | 1 13 | W 6 |
| T 7 | 2 54 | 22 59 | 0 1 | 14 24 | 1 55 | 17 35 | 0 43 | 1 44 | 0 32 | 9 30 | 1 0 | 11 44 | 2 7 | 22 15 | 0 1 | 15 45 | 1 49 | 7 18 | 11 56 | 23 2 | 23 3 | 23 36 | 7 46 | 1 13 | T 7 |
| F 8 | 2 30 | 24 45 | 1s13 | 14 1 | 2 0 | 17 22 | 0 38 | 2 3 | 0 31 | 9 35 | 0 59 | 11 47 | 2 7 | 22 15 | 0 1 | 15 45 | 1 49 | 7 19 | 11 56 | 23 2 | 23 3 | 23 37 | 7 47 | 1 13 | F 8 |
| S 9 | 2 7 | 24 55 | 2 22 | 13 36 | 2 4 | 17 9 | 0 34 | 2 21 | 0 31 | 9 40 | 0 59 | 11 49 | 2 7 | 22 15 | 0 1 | 15 45 | 1 49 | 7 19 | 11 55 | 23 2 | 23 3 | 23 39 | 7 49 | 1 12 | S 9 |
| S 10 | 1 43 | 23 30 | 3 22 | 13 10 | 2 8 | 16 54 | 0 29 | 2 40 | 0 30 | 9 45 | 0 59 | 11 51 | 2 7 | 22 16 | 0 1 | 15 45 | 1 49 | 7 19 | 11 55 | 23 1 | 23 3 | 23 40 | 7 50 | 1 12 | S 10 |
| M11 | 1 19 | 20 38 | 4 11 | 12 42 | 2 12 | 16 40 | 0 25 | 2 58 | 0 29 | 9 50 | 0 59 | 11 54 | 2 7 | 22 16 | 0 1 | 15 44 | 1 49 | 7 20 | 11 55 | 23 1 | 23 2 | 23 41 | 7 51 | 1 12 | M11 |
| T 12 | 0 56 | 16 36 | 4 43 | 12 13 | 2 15 | 16 25 | 0 20 | 3 17 | 0 29 | 9 55 | 0 59 | 11 56 | 2 7 | 22 16 | 0 1 | 15 44 | 1 49 | 7 20 | 11 55 | 23 0 | 23 2 | 23 42 | 7 53 | 1 12 | T 12 |
| W13 | 0 32 | 11 45 | 4 59 | 11 42 | 2 18 | 16 9 | 0 16 | 3 35 | 0 28 | 10 0 | 0 59 | 11 58 | 2 6 | 22 16 | 0 1 | 15 44 | 1 50 | 7 21 | 11 54 | 22 59 | 23 2 | 23 44 | 7 54 | 1 12 | W13 |
| T 14 | 0 8 | 6 24 | 4 58 | 11 11 | 2 20 | 15 53 | 0 11 | 3 53 | 0 27 | 10 4 | 0 59 | 12 1 | 2 6 | 22 15 | 0 1 | 15 43 | 1 50 | 7 21 | 11 54 | 22 58 | 23 2 | 23 45 | 7 55 | 1 12 | T 14 |
| F 15 | 0n15 | 0 51 | 4 41 | 10 38 | 2 22 | 15 37 | 0 7 | 4 12 | 0 27 | 10 9 | 0 58 | 12 3 | 2 6 | 22 15 | 0 1 | 15 43 | 1 50 | 7 22 | 11 54 | 22 56 | 23 1 | 23 46 | 7 56 | 1 12 | F 15 |
| S 16 | 0 39 | 4n37 | 4 9 | 10 3 | 2 23 | 15 20 | 0 3 | 4 30 | 0 26 | 10 14 | 0 58 | 12 5 | 2 6 | 22 15 | 0 1 | 15 43 | 1 50 | 7 22 | 11 54 | 22 55 | 23 1 | 23 47 | 7 58 | 1 12 | S 16 |
| S 17 | 1 2 | 9 47 | 3 25 | 9 27 | 2 24 | 15 2 | 0s 1 | 4 48 | 0 26 | 10 19 | 0 58 | 12 8 | 2 6 | 22 15 | 0 1 | 15 43 | 1 50 | 7 22 | 11 54 | 22 55 | 23 1 | 23 49 | 7 59 | 1 12 | S 17 |
| M18 | 1 26 | 14 27 | 2 33 | 8 50 | 2 24 | 14 44 | 0 6 | 5 6 | 0 25 | 10 24 | 0 58 | 12 10 | 2 5 | 22 15 | 0 1 | 15 42 | 1 50 | 7 23 | 11 53 | 22 54 | 23 0 | 23 50 | 8 0 | 1 12 | M18 |
| T 19 | 1 49 | 18 27 | 1 34 | 8 12 | 2 24 | 14 26 | 0 10 | 5 24 | 0 24 | 10 29 | 0 58 | 12 12 | 2 5 | 22 15 | 0 1 | 15 42 | 1 50 | 7 23 | 11 53 | 22 54 | 23 0 | 23 51 | 8 2 | 1 12 | T 19 |
| W20 | 2 13 | 21 37 | 0 32 | 7 33 | 2 23 | 14 7 | 0 14 | 5 42 | 0 24 | 10 34 | 0 58 | 12 15 | 2 5 | 22 15 | 0 1 | 15 42 | 1 50 | 7 24 | 11 53 | 22 53 | 23 0 | 23 52 | 8 3 | 1 11 | W20 |
| T 21 | 2 36 | 23 51 | 0n31 | 6 52 | 2 22 | 13 48 | 0 18 | 6 0 | 0 23 | 10 39 | 0 58 | 12 17 | 2 5 | 22 15 | 0 1 | 15 41 | 1 50 | 7 24 | 11 53 | 22 53 | 23 0 | 23 54 | 8 4 | 1 11 | T 21 |
| F 22 | 3 0 | 25 1 | 1 32 | 6 10 | 2 20 | 13 29 | 0 21 | 6 18 | 0 22 | 10 44 | 0 58 | 12 20 | 2 5 | 22 15 | 0 1 | 15 41 | 1 50 | 7 25 | 11 52 | 22 53 | 22 59 | 23 55 | 8 6 | 1 11 | F 22 |
| S 23 | 3 23 | 25 3 | 2 30 | 5 26 | 2 18 | 13 9 | 0 25 | 6 35 | 0 22 | 10 49 | 0 57 | 12 22 | 2 5 | 22 15 | 0 1 | 15 41 | 1 50 | 7 25 | 11 52 | 22 53 | 22 59 | 23 56 | 8 7 | 1 11 | S 23 |
| S 24 | 3 46 | 23 55 | 3 22 | 4 42 | 2 15 | 12 49 | 0 29 | 6 53 | 0 21 | 10 54 | 0 57 | 12 24 | 2 5 | 22 15 | 0 1 | 15 40 | 1 50 | 7 25 | 11 52 | 22 53 | 22 59 | 23 57 | 8 8 | 1 11 | S 24 |
| M25 | 4 9 | 21 38 | 4 6 | 3 56 | 2 12 | 12 28 | 0 33 | 7 10 | 0 21 | 10 59 | 0 57 | 12 27 | 2 4 | 22 15 | 0 1 | 15 40 | 1 50 | 7 26 | 11 52 | 22 53 | 22 58 | 23 58 | 8 10 | 1 11 | M25 |
| T 26 | 4 33 | 18 17 | 4 39 | 3 9 | 2 8 | 12 7 | 0 36 | 7 28 | 0 20 | 11 4 | 0 57 | 12 29 | 2 4 | 22 15 | 0 1 | 15 39 | 1 50 | 7 26 | 11 52 | 22 52 | 22 58 | 24 0 | 8 11 | 1 11 | T 26 |
| W27 | 4 56 | 13 59 | 4 59 | 2 21 | 2 4 | 11 46 | 0 40 | 7 45 | 0 19 | 11 8 | 0 57 | 12 32 | 2 4 | 22 15 | 0 1 | 15 39 | 1 50 | 7 27 | 11 51 | 22 51 | 22 58 | 24 1 | 8 12 | 1 11 | W27 |
| T 28 | 5 19 | 8 54 | 5 3 | 1 32 | 1 59 | 11 24 | 0 43 | 8 2 | 0 19 | 11 13 | 0 57 | 12 34 | 2 4 | 22 15 | 0 1 | 15 39 | 1 50 | 7 27 | 11 51 | 22 50 | 22 57 | 24 2 | 8 14 | 1 11 | T 28 |
| F 29 | 5 41 | 3 16 | 4 51 | 0 42 | 1 53 | 11 2 | 0 46 | 8 20 | 0 18 | 11 18 | 0 57 | 12 37 | 2 4 | 22 14 | 0 1 | 15 38 | 1 50 | 7 28 | 11 51 | 22 49 | 22 57 | 24 3 | 8 15 | 1 11 | F 29 |
| S 30 | 6 4 | 2s41 | 4 21 | 0n 9 | 1 48 | 10 39 | 0 50 | 8 37 | 0 17 | 11 23 | 0 57 | 12 39 | 2 4 | 22 14 | 0 1 | 15 38 | 1 50 | 7 28 | 11 51 | 22 48 | 22 57 | 24 4 | 8 16 | 1 11 | S 30 |
| S 31 | 6n27 | 8s36 | 3n34 | 1n 2 | 1s41 | 10s17 | 0s53 | 8n54 | 0s17 | 11n28 | 0s57 | 12n42 | 2s 4 | 22s14 | 0n 1 | 15s38 | 1n50 | 7n29 | 11s51 | 22n47 | 22n57 | 24n 5 | 8n18 | 1n11 | S 31 |

Julian Day Number = 2139693.5, Delta T = 15m28s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'10, Lahiri = 11°57'10 Julian Calendar 1 March 1146 == Greg. Calendar 8 March 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## APRIL 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 1 45 | 17♈17'33 | 15♏36 | 8♈26 | 6♓52 | 24♈12 | 2♉36 | 9♉23 | 11°R20 | 18°R24 | 24♉29 | 15°R42 | 17♊16 | 24♊40 | 18♈22 | M 1 |
| T 2 | 13 5 41 | 18°16'01 | 0♐ 3 | 10°25 | 8° 2 | 24°56 | 2°50 | 9°30 | 11♐19 | 18♏23 | 24°30 | 15♊39 | 17°12 | 24°47 | 18°26 | T 2 |
| W 3 | 13 9 38 | 19°14'28 | 14°28 | 12°26 | 9°12 | 25°40 | 3° 5 | 9°38 | 11°18 | 18°22 | 24°31 | 15°D38 | 17° 9 | 24°54 | 18°29 | W 3 |
| T 4 | 13 13 34 | 20°12'54 | 28°49 | 14°29 | 10°22 | 26°24 | 3°19 | 9°45 | 11°17 | 18°20 | 24°32 | 15°38 | 17° 6 | 25° 0 | 18°33 | T 4 |
| F 5 | 13 17 31 | 21°11'18 | 13♑ 1 | 16°33 | 11°32 | 27° 8 | 3°33 | 9°53 | 11°15 | 18°19 | 24°34 | 15°39 | 17° 3 | 25° 7 | 18°37 | F 5 |
| S 6 | 13 21 28 | 22° 9'40 | 27° 4 | 18°38 | 12°42 | 27°52 | 3°47 | 10° 0 | 11°14 | 18°17 | 24°35 | 15°R39 | 17° 0 | 25°14 | 18°41 | S 6 |
| S 7 | 13 25 24 | 23° 8'00 | 10♒57 | 20°44 | 13°52 | 28°36 | 4° 1 | 10° 8 | 11°13 | 18°16 | 24°36 | 15°38 | 16°56 | 25°20 | 18°44 | S 7 |
| M 8 | 13 29 21 | 24° 6'19 | 24°40 | 22°51 | 15° 2 | 29°19 | 4°15 | 10°16 | 11°11 | 18°14 | 24°37 | 15°34 | 16°53 | 25°27 | 18°48 | M 8 |
| T 9 | 13 33 17 | 25° 4'37 | 8♓11 | 24°59 | 16°12 | 0♉ 3 | 4°29 | 10°23 | 11°10 | 18°13 | 24°38 | 15°28 | 16°50 | 25°34 | 18°52 | T 9 |
| W10 | 13 37 14 | 26° 2'53 | 21°31 | 27° 8 | 17°23 | 0°47 | 4°43 | 10°31 | 11° 8 | 18°12 | 24°39 | 15°21 | 16°47 | 25°40 | 18°55 | W10 |
| T 11 | 13 41 10 | 27° 1'07 | 4♈38 | 29°17 | 18°33 | 1°30 | 4°57 | 10°38 | 11° 7 | 18°10 | 24°41 | 15°13 | 16°44 | 25°47 | 18°59 | T 11 |
| F 12 | 13 45 7 | 27°59'19 | 17°31 | 1♉26 | 19°43 | 2°14 | 5°12 | 10°46 | 11° 5 | 18° 9 | 24°42 | 15° 4 | 16°41 | 25°54 | 19° 3 | F 12 |
| S 13 | 13 49 3 | 28°57'30 | 0♉11 | 3°36 | 20°54 | 2°57 | 5°26 | 10°54 | 11° 4 | 18° 7 | 24°43 | 14°57 | 16°37 | 26° 0 | 19° 6 | S 13 |
| S 14 | 13 53 0 | 29°55'39 | 12°36 | 5°45 | 22° 4 | 3°41 | 5°40 | 11° 2 | 11° 2 | 18° 6 | 24°44 | 14°51 | 16°34 | 26° 7 | 19°10 | S 14 |
| M15 | 13 56 57 | 0♉53'46 | 24°49 | 7°53 | 23°15 | 4°24 | 5°54 | 11° 9 | 11° 1 | 18° 4 | 24°46 | 14°46 | 16°31 | 26°14 | 19°14 | M15 |
| T 16 | 14 0 53 | 1°51'52 | 6♊51 | 10° 0 | 24°25 | 5° 7 | 6° 8 | 11°17 | 10°59 | 18° 3 | 24°47 | 14°44 | 16°28 | 26°20 | 19°17 | T 16 |
| W17 | 14 4 50 | 2°49'55 | 18°44 | 12° 7 | 25°36 | 5°51 | 6°23 | 11°25 | 10°57 | 18° 1 | 24°48 | 14°D44 | 16°25 | 26°27 | 19°21 | W17 |
| T 18 | 14 8 46 | 3°47'57 | 0♋33 | 14°11 | 26°47 | 6°34 | 6°37 | 11°32 | 10°55 | 17°59 | 24°49 | 14°45 | 16°22 | 26°33 | 19°25 | T 18 |
| F 19 | 14 12 43 | 4°45'57 | 12°20 | 16°14 | 27°57 | 7°17 | 6°51 | 11°40 | 10°54 | 17°58 | 24°51 | 14°47 | 16°18 | 26°40 | 19°28 | F 19 |
| S 20 | 14 16 39 | 5°43'55 | 24°12 | 18°15 | 29° 8 | 8° 0 | 7° 5 | 11°48 | 10°52 | 17°56 | 24°52 | 14°48 | 16°15 | 26°47 | 19°32 | S 20 |
| S 21 | 14 20 36 | 6°41'51 | 6♌13 | 20°13 | 0♈19 | 8°43 | 7°20 | 11°56 | 10°50 | 17°55 | 24°53 | 14°R49 | 16°12 | 26°53 | 19°36 | S 21 |
| M22 | 14 24 32 | 7°39'46 | 18°28 | 22° 9 | 1°30 | 9°26 | 7°34 | 12° 3 | 10°48 | 17°53 | 24°55 | 14°48 | 16° 9 | 27° 0 | 19°39 | M22 |
| T 23 | 14 28 29 | 8°37'38 | 1♍ 2 | 24° 3 | 2°41 | 10° 9 | 7°48 | 12°11 | 10°46 | 17°51 | 24°56 | 14°46 | 16° 6 | 27° 7 | 19°43 | T 23 |
| W24 | 14 32 26 | 9°35'29 | 13°59 | 25°53 | 3°52 | 10°52 | 8° 2 | 12°19 | 10°44 | 17°50 | 24°57 | 14°42 | 16° 2 | 27°13 | 19°46 | W24 |
| T 25 | 14 36 22 | 10°33'18 | 27°20 | 27°41 | 5° 3 | 11°35 | 8°16 | 12°27 | 10°42 | 17°48 | 24°59 | 14°38 | 15°59 | 27°20 | 19°50 | T 25 |
| F 26 | 14 40 19 | 11°31'05 | 11♎ 8 | 29°25 | 6°14 | 12°18 | 8°31 | 12°35 | 10°40 | 17°47 | 25° 0 | 14°33 | 15°56 | 27°27 | 19°53 | F 26 |
| S 27 | 14 44 15 | 12°28'50 | 25°19 | 1♊ 6 | 7°25 | 13° 1 | 8°45 | 12°42 | 10°38 | 17°45 | 25° 1 | 14°28 | 15°53 | 27°33 | 19°57 | S 27 |
| S 28 | 14 48 12 | 13°26'34 | 9♏51 | 2°44 | 8°36 | 13°44 | 8°59 | 12°50 | 10°36 | 17°43 | 25° 3 | 14°24 | 15°50 | 27°40 | 20° 0 | S 28 |
| M29 | 14 52 8 | 14°24'17 | 24°36 | 4°19 | 9°47 | 14°26 | 9°13 | 12°58 | 10°34 | 17°42 | 25° 4 | 14°21 | 15°47 | 27°47 | 20° 4 | M29 |
| T 30 | 14 56 5 | 15♉21'58 | 9♐27 | 5♊50 | 10♈58 | 15♉ 9 | 9♉27 | 13♉ 6 | 10♐32 | 17♏40 | 25♉ 5 | 14°D20 | 15♊43 | 27♊53 | 20♈ 7 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n49 | 14s 8 | 2n34 | 1n55 | 1s34 | 9s54 | 0s56 | 9n11 | 0s16 | 11n33 | 0s56 | 12n44 | 2s 4 | 22s14 | 0n 1 | 15s37 | 1n50 | 7n29 | 11s50 | 22n47 | 22n56 | 24n 6 | 8n19 | 1n11 |
| T 2 | 7 12 | 18 55 | 1 23 | 2 49 | 1 27 | 9 30 | 0 59 | 9 28 | 0 15 | 11 38 | 0 56 | 12 46 | 2 3 | 22 14 | 0 1 | 15 37 | 1 50 | 7 29 | 11 50 | 22 46 | 22 56 | 24 8 | 8 21 | 1 11 |
| W 3 | 7 34 | 22 32 | 0 6 | 3 43 | 1 19 | 9 7 | 1 2 | 9 44 | 0 15 | 11 43 | 0 56 | 12 49 | 2 3 | 22 14 | 0 1 | 15 36 | 1 50 | 7 30 | 11 50 | 22 46 | 22 56 | 24 9 | 8 22 | 1 10 |
| T 4 | 7 56 | 24 43 | 1s10 | 4 39 | 1 11 | 8 43 | 1 5 | 10 1 | 0 14 | 11 48 | 0 56 | 12 51 | 2 3 | 22 14 | 0 1 | 15 36 | 1 50 | 7 30 | 11 50 | 22 46 | 22 55 | 24 10 | 8 23 | 1 10 |
| F 5 | 8 18 | 25 16 | 2 22 | 5 34 | 1 2 | 8 19 | 1 7 | 10 17 | 0 14 | 11 53 | 0 56 | 12 54 | 2 3 | 22 13 | 0 1 | 15 36 | 1 50 | 7 31 | 11 50 | 22 46 | 22 55 | 24 11 | 8 25 | 1 10 |
| S 6 | 8 40 | 24 10 | 3 24 | 6 31 | 0 53 | 7 54 | 1 10 | 10 34 | 0 13 | 11 57 | 0 56 | 12 56 | 2 3 | 22 13 | 0 1 | 15 35 | 1 50 | 7 31 | 11 49 | 22 46 | 22 55 | 24 12 | 8 26 | 1 10 |
| S 7 | 9 2 | 21 37 | 4 13 | 7 27 | 0 44 | 7 30 | 1 13 | 10 50 | 0 12 | 12 2 | 0 56 | 12 59 | 2 3 | 22 13 | 0 1 | 15 35 | 1 50 | 7 32 | 11 49 | 22 46 | 22 54 | 24 13 | 8 27 | 1 10 |
| M 8 | 9 24 | 17 52 | 4 47 | 8 24 | 0 34 | 7 5 | 1 15 | 11 6 | 0 12 | 12 7 | 0 56 | 13 1 | 2 3 | 22 13 | 0 1 | 15 34 | 1 50 | 7 32 | 11 49 | 22 46 | 22 54 | 24 14 | 8 29 | 1 10 |
| T 9 | 9 45 | 13 14 | 5 5 | 9 21 | 0 24 | 6 40 | 1 18 | 11 22 | 0 11 | 12 12 | 0 56 | 13 4 | 2 3 | 22 13 | 0 1 | 15 34 | 1 50 | 7 32 | 11 49 | 22 45 | 22 54 | 24 15 | 8 30 | 1 10 |
| W10 | 10 6 | 8 3 | 5 5 | 10 17 | 0 13 | 6 14 | 1 20 | 11 38 | 0 10 | 12 17 | 0 56 | 13 6 | 2 3 | 22 13 | 0 1 | 15 33 | 1 51 | 7 33 | 11 49 | 22 44 | 22 53 | 24 17 | 8 31 | 1 10 |
| T 11 | 10 27 | 2 35 | 4 50 | 11 14 | 0 3 | 5 49 | 1 22 | 11 54 | 0 10 | 12 22 | 0 56 | 13 9 | 2 3 | 22 12 | 0 0 | 15 33 | 1 51 | 7 33 | 11 49 | 22 44 | 22 53 | 24 18 | 8 33 | 1 10 |
| F 12 | 10 48 | 2n54 | 4 20 | 12 9 | 0n 8 | 5 23 | 1 24 | 12 10 | 0 9 | 12 27 | 0 55 | 13 11 | 2 2 | 22 12 | 0 0 | 15 33 | 1 51 | 7 34 | 11 49 | 22 43 | 22 53 | 24 19 | 8 34 | 1 10 |
| S 13 | 11 9 | 8 12 | 3 37 | 13 4 | 0 19 | 4 57 | 1 26 | 12 25 | 0 8 | 12 31 | 0 55 | 13 14 | 2 2 | 22 12 | 0 0 | 15 32 | 1 51 | 7 34 | 11 48 | 22 42 | 22 52 | 24 20 | 8 36 | 1 10 |
| S 14 | 11 30 | 13 4 | 2 45 | 13 57 | 0 29 | 4 31 | 1 28 | 12 41 | 0 8 | 12 36 | 0 55 | 13 16 | 2 2 | 22 12 | 0 0 | 15 32 | 1 51 | 7 35 | 11 48 | 22 41 | 22 52 | 24 21 | 8 37 | 1 10 |
| M15 | 11 50 | 17 21 | 1 46 | 14 50 | 0 40 | 4 4 | 1 30 | 12 56 | 0 7 | 12 41 | 0 55 | 13 19 | 2 2 | 22 11 | 0 0 | 15 31 | 1 51 | 7 35 | 11 48 | 22 41 | 22 52 | 24 22 | 8 38 | 1 10 |
| T 16 | 12 11 | 20 51 | 0 43 | 15 41 | 0 50 | 3 38 | 1 32 | 13 11 | 0 6 | 12 46 | 0 55 | 13 21 | 2 2 | 22 11 | 0 0 | 15 31 | 1 51 | 7 35 | 11 48 | 22 40 | 22 52 | 24 23 | 8 40 | 1 10 |
| W17 | 12 31 | 23 26 | 0n22 | 16 30 | 1 0 | 3 11 | 1 34 | 13 26 | 0 6 | 12 50 | 0 55 | 13 23 | 2 2 | 22 11 | 0 0 | 15 30 | 1 51 | 7 36 | 11 48 | 22 40 | 22 51 | 24 24 | 8 41 | 1 10 |
| T 18 | 12 51 | 24 58 | 1 25 | 17 17 | 1 10 | 2 45 | 1 35 | 13 41 | 0 5 | 12 55 | 0 55 | 13 26 | 2 2 | 22 11 | 0 0 | 15 30 | 1 51 | 7 36 | 11 48 | 22 40 | 22 51 | 24 25 | 8 42 | 1 10 |
| F 19 | 13 10 | 25 22 | 2 25 | 18 3 | 1 20 | 2 18 | 1 37 | 13 56 | 0 5 | 13 0 | 0 55 | 13 28 | 2 2 | 22 11 | 0 0 | 15 30 | 1 51 | 7 37 | 11 48 | 22 41 | 22 51 | 24 26 | 8 44 | 1 10 |
| S 20 | 13 30 | 24 38 | 3 18 | 18 46 | 1 29 | 1 51 | 1 38 | 14 11 | 0 4 | 13 5 | 0 55 | 13 31 | 2 2 | 22 10 | 0 0 | 15 29 | 1 51 | 7 37 | 11 47 | 22 41 | 22 50 | 24 27 | 8 45 | 1 9 |
| S 21 | 13 49 | 22 45 | 4 4 | 19 26 | 1 37 | 1 24 | 1 40 | 14 25 | 0 3 | 13 9 | 0 55 | 13 33 | 2 2 | 22 10 | 0 0 | 15 29 | 1 51 | 7 37 | 11 47 | 22 41 | 22 50 | 24 28 | 8 46 | 1 9 |
| M22 | 14 8 | 19 47 | 4 40 | 20 5 | 1 45 | 0 57 | 1 41 | 14 40 | 0 3 | 13 14 | 0 55 | 13 36 | 2 2 | 22 10 | 0 0 | 15 28 | 1 51 | 7 38 | 11 47 | 22 41 | 22 50 | 24 29 | 8 48 | 1 9 |
| T 23 | 14 27 | 15 52 | 5 3 | 20 41 | 1 52 | 0 30 | 1 42 | 14 54 | 0 2 | 13 19 | 0 55 | 13 38 | 2 2 | 22 9 | 0 0 | 15 28 | 1 51 | 7 38 | 11 47 | 22 41 | 22 49 | 24 30 | 8 49 | 1 9 |
| W24 | 14 45 | 11 7 | 5 12 | 21 14 | 1 59 | 0 2 | 1 43 | 15 8 | 0 1 | 13 23 | 0 55 | 13 40 | 2 2 | 22 9 | 0 0 | 15 27 | 1 51 | 7 39 | 11 47 | 22 40 | 22 49 | 24 31 | 8 50 | 1 9 |
| T 25 | 15 3 | 5 43 | 5 4 | 21 45 | 2 5 | 0n25 | 1 44 | 15 22 | 0 1 | 13 28 | 0 55 | 13 43 | 2 2 | 22 9 | 0 0 | 15 27 | 1 51 | 7 39 | 11 47 | 22 40 | 22 49 | 24 32 | 8 51 | 1 9 |
| F 26 | 15 21 | 0s 9 | 4 39 | 22 14 | 2 10 | 0 52 | 1 45 | 15 36 | 0 0 | 13 33 | 0 55 | 13 45 | 2 2 | 22 9 | 0 0 | 15 26 | 1 51 | 7 39 | 11 47 | 22 39 | 22 48 | 24 33 | 8 53 | 1 9 |
| S 27 | 15 39 | 6 10 | 3 57 | 22 40 | 2 14 | 1 20 | 1 46 | 15 49 | 0n 0 | 13 37 | 0 54 | 13 48 | 2 1 | 22 8 | 0 0 | 15 26 | 1 51 | 7 40 | 11 47 | 22 38 | 22 48 | 24 34 | 8 54 | 1 9 |
| S 28 | 15 57 | 12 1 | 2 58 | 23 3 | 2 18 | 1 47 | 1 47 | 16 3 | 0 1 | 13 42 | 0 54 | 13 50 | 2 1 | 22 8 | 0 0 | 15 25 | 1 51 | 7 40 | 11 47 | 22 38 | 22 48 | 24 35 | 8 55 | 1 9 |
| M29 | 16 14 | 17 17 | 1 46 | 23 24 | 2 21 | 2 15 | 1 48 | 16 16 | 0 2 | 13 46 | 0 54 | 13 52 | 2 1 | 22 8 | 0 0 | 15 25 | 1 51 | 7 41 | 11 47 | 22 38 | 22 47 | 24 36 | 8 57 | 1 9 |
| T 30 | 16n31 | 21s32 | 0n27 | 23n43 | 2n22 | 2n42 | 1s48 | 16n30 | 0n 2 | 13n51 | 0s54 | 13n55 | 2s 1 | 22s 7 | 0n 0 | 15s25 | 1n51 | 7n41 | 11s46 | 22n38 | 22n47 | 24n37 | 8n58 | 1n 9 |

Julian Day Number = 2139724.5, Delta T = 15m28s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'14, Lahiri = 11°57'14 Julian Calendar 1 Apr. 1146 == Greg. Calendar 8 Apr. 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## MAY 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 0 1 | 16♉19'39 | 24♐16 | 7♊18 | 12♈ 9 | 15♉51 | 9♉41 | 13♉14 | 10°R30 | 17°R39 | 25♉ 7 | 14♊20 | 15♊40 | 28♊ 0 | 20♈11 | W 1 |
| T 2 | 15 3 58 | 17°17'18 | 8♑58 | 8°43 | 13°20 | 16°34 | 9°56 | 13°21 | 10♐27 | 17♏37 | 25° 8 | 14°21 | 15°37 | 28° 7 | 20°14 | T 2 |
| F 3 | 15 7 55 | 18°14'56 | 23°27 | 10° 4 | 14°32 | 17°16 | 10°10 | 13°29 | 10°25 | 17°35 | 25° 9 | 14°23 | 15°34 | 28°13 | 20°17 | F 3 |
| S 4 | 15 11 51 | 19°12'33 | 7♒39 | 11°21 | 15°43 | 17°59 | 10°24 | 13°37 | 10°23 | 17°34 | 25°11 | 14°24 | 15°31 | 28°20 | 20°21 | S 4 |
| S 5 | 15 15 48 | 20°10'09 | 21°34 | 12°35 | 16°54 | 18°41 | 10°38 | 13°45 | 10°21 | 17°32 | 25°12 | 14°R24 | 15°27 | 28°26 | 20°24 | S 5 |
| M 6 | 15 19 44 | 21° 7'44 | 5♓10 | 13°45 | 18° 6 | 19°23 | 10°52 | 13°52 | 10°19 | 17°30 | 25°13 | 14°24 | 15°24 | 28°33 | 20°28 | M 6 |
| T 7 | 15 23 41 | 22° 5'18 | 18°28 | 14°51 | 19°17 | 20° 6 | 11° 6 | 14° 0 | 10°16 | 17°29 | 25°15 | 14°22 | 15°21 | 28°40 | 20°31 | T 7 |
| W 8 | 15 27 37 | 23° 2'51 | 1♈31 | 15°54 | 20°28 | 20°48 | 11°20 | 14° 8 | 10°14 | 17°27 | 25°16 | 14°20 | 15°18 | 28°46 | 20°34 | W 8 |
| T 9 | 15 31 34 | 24° 0'23 | 14°18 | 16°52 | 21°40 | 21°30 | 11°34 | 14°16 | 10°12 | 17°26 | 25°18 | 14°17 | 15°15 | 28°53 | 20°37 | T 9 |
| F 10 | 15 35 30 | 24°57'54 | 26°51 | 17°47 | 22°51 | 22°12 | 11°48 | 14°23 | 10° 9 | 17°24 | 25°19 | 14°14 | 15°12 | 29° 0 | 20°41 | F 10 |
| S 11 | 15 39 27 | 25°55'24 | 9♉13 | 18°38 | 24° 3 | 22°54 | 12° 2 | 14°31 | 10° 7 | 17°22 | 25°20 | 14°11 | 15° 8 | 29° 6 | 20°44 | S 11 |
| S 12 | 15 43 24 | 26°52'53 | 21°24 | 19°25 | 25°15 | 23°36 | 12°16 | 14°39 | 10° 5 | 17°21 | 25°22 | 14° 9 | 15° 5 | 29°13 | 20°47 | S 12 |
| M13 | 15 47 20 | 27°50'22 | 3♊25 | 20° 7 | 26°26 | 24°18 | 12°30 | 14°46 | 10° 2 | 17°19 | 25°23 | 14° 8 | 15° 2 | 29°20 | 20°50 | M13 |
| T 14 | 15 51 17 | 28°47'49 | 15°20 | 20°46 | 27°38 | 25° 0 | 12°44 | 14°54 | 10° 0 | 17°18 | 25°24 | 14°D 7 | 14°59 | 29°26 | 20°53 | T 14 |
| W15 | 15 55 13 | 29°45'15 | 27° 9 | 21°20 | 28°49 | 25°42 | 12°58 | 15° 2 | 9°57 | 17°16 | 25°26 | 14° 8 | 14°56 | 29°33 | 20°56 | W15 |
| T 16 | 15 59 10 | 0♊42'40 | 8♋56 | 21°49 | 0♉ 1 | 26°24 | 13°12 | 15° 9 | 9°55 | 17°14 | 25°27 | 14° 9 | 14°53 | 29°40 | 20°59 | T 16 |
| F 17 | 16 3 6 | 1°40'05 | 20°44 | 22°15 | 1°13 | 27° 6 | 13°26 | 15°17 | 9°53 | 17°13 | 25°29 | 14°10 | 14°49 | 29°46 | 21° 2 | F 17 |
| S 18 | 16 7 3 | 2°37'28 | 2♌37 | 22°35 | 2°25 | 27°47 | 13°39 | 15°25 | 9°50 | 17°11 | 25°30 | 14°11 | 14°46 | 29°53 | 21° 5 | S 18 |
| S 19 | 16 10 59 | 3°34'49 | 14°38 | 22°52 | 3°36 | 28°29 | 13°53 | 15°32 | 9°48 | 17°10 | 25°31 | 14°12 | 14°43 | 29°59 | 21° 8 | S 19 |
| M20 | 16 14 56 | 4°32'10 | 26°53 | 23° 3 | 4°48 | 29°11 | 14° 7 | 15°40 | 9°45 | 17° 8 | 25°33 | 14°13 | 14°40 | 0♋ 6 | 21°11 | M20 |
| T 21 | 16 18 53 | 5°29'30 | 9♍24 | 23°10 | 6° 0 | 29°52 | 14°21 | 15°47 | 9°43 | 17° 7 | 25°34 | 14°R13 | 14°37 | 0°13 | 21°14 | T 21 |
| W22 | 16 22 49 | 6°26'48 | 22°17 | 23°R13 | 7°12 | 0♊34 | 14°34 | 15°55 | 9°40 | 17° 5 | 25°35 | 14°12 | 14°33 | 0°20 | 21°17 | W22 |
| T 23 | 16 26 46 | 7°24'06 | 5♎35 | 23°11 | 8°24 | 1°15 | 14°48 | 16° 2 | 9°38 | 17° 4 | 25°37 | 14°12 | 14°30 | 0°26 | 21°20 | T 23 |
| F 24 | 16 30 42 | 8°21'22 | 19°19 | 23° 4 | 9°36 | 1°57 | 15° 1 | 16°10 | 9°35 | 17° 2 | 25°38 | 14°11 | 14°27 | 0°33 | 21°23 | F 24 |
| S 25 | 16 34 39 | 9°18'38 | 3♏30 | 22°53 | 10°48 | 2°38 | 15°15 | 16°17 | 9°33 | 17° 1 | 25°39 | 14°10 | 14°24 | 0°39 | 21°25 | S 25 |
| S 26 | 16 38 35 | 10°15'53 | 18° 5 | 22°38 | 11°59 | 3°19 | 15°29 | 16°24 | 9°31 | 16°59 | 25°41 | 14°10 | 14°21 | 0°46 | 21°28 | S 26 |
| M27 | 16 42 32 | 11°13'07 | 2♐59 | 22°19 | 13°11 | 4° 1 | 15°42 | 16°32 | 9°28 | 16°58 | 25°42 | 14°10 | 14°18 | 0°53 | 21°31 | M27 |
| T 28 | 16 46 28 | 12°10'21 | 18° 5 | 21°57 | 14°23 | 4°42 | 15°55 | 16°39 | 9°26 | 16°56 | 25°43 | 14°D10 | 14°14 | 0°59 | 21°33 | T 28 |
| W29 | 16 50 25 | 13° 7'34 | 3♑13 | 21°32 | 15°36 | 5°23 | 16° 9 | 16°46 | 9°23 | 16°55 | 25°45 | 14°10 | 14°11 | 1° 6 | 21°36 | W29 |
| T 30 | 16 54 22 | 14° 4'47 | 18°14 | 21° 3 | 16°48 | 6° 4 | 16°22 | 16°53 | 9°21 | 16°53 | 25°46 | 14°R10 | 14° 8 | 1°13 | 21°39 | T 30 |
| F 31 | 16 58 18 | 15♊ 1'59 | 3♒ 2 | 20♊33 | 18♉ 0 | 6♊45 | 16♉35 | 17♉ 1 | 9♐18 | 16♏52 | 25♉47 | 14♊10 | 14♊ 5 | 1♋19 | 21♈41 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n48 | 24s20 | 0s54 | 23n59 | 2n24 | 3n 9 | 1s49 | 16n43 | 0n 3 | 13n56 | 0s54 | 13n57 | 2s 1 | 22s 7 | 0n 0 | 15s24 | 1n51 | 7n41 | 11s46 | 22n38 | 22n47 | 24n38 | 8n59 | 1n 9 |
| T 2 | 17 4 | 25 26 | 2 11 | 24 13 | 2 24 | 3 37 | 1 49 | 16 55 | 0 4 | 14 0 | 0 54 | 14 0 | 2 1 | 22 7 | 0 0 | 15 24 | 1 51 | 7 42 | 11 46 | 22 38 | 22 46 | 24 39 | 9 0 | 1 9 |
| F 3 | 17 21 | 24 46 | 3 19 | 24 25 | 2 23 | 4 4 | 1 49 | 17 8 | 0 4 | 14 5 | 0 54 | 14 2 | 2 1 | 22 7 | 0 0 | 15 23 | 1 51 | 7 42 | 11 46 | 22 38 | 22 46 | 24 40 | 9 2 | 1 9 |
| S 4 | 17 36 | 22 30 | 4 13 | 24 35 | 2 22 | 4 32 | 1 50 | 17 21 | 0 5 | 14 9 | 0 54 | 14 4 | 2 1 | 22 6 | 0 0 | 15 23 | 1 51 | 7 42 | 11 46 | 22 38 | 22 46 | 24 41 | 9 3 | 1 9 |
| S 5 | 17 52 | 18 57 | 4 50 | 24 43 | 2 19 | 4 59 | 1 50 | 17 33 | 0 5 | 14 14 | 0 54 | 14 7 | 2 1 | 22 6 | 0 0 | 15 22 | 1 51 | 7 43 | 11 46 | 22 38 | 22 45 | 24 42 | 9 4 | 1 9 |
| M 6 | 18 7 | 14 28 | 5 11 | 24 49 | 2 16 | 5 26 | 1 50 | 17 45 | 0 6 | 14 18 | 0 54 | 14 9 | 2 1 | 22 6 | 0 0 | 15 22 | 1 51 | 7 43 | 11 46 | 22 38 | 22 45 | 24 43 | 9 5 | 1 9 |
| T 7 | 18 22 | 9 23 | 5 14 | 24 52 | 2 12 | 5 53 | 1 50 | 17 57 | 0 7 | 14 22 | 0 54 | 14 11 | 2 1 | 22 5 | 0 0 | 15 21 | 1 51 | 7 44 | 11 46 | 22 38 | 22 44 | 24 44 | 9 7 | 1 9 |
| W 8 | 18 37 | 4 0 | 5 1 | 24 54 | 2 7 | 6 20 | 1 50 | 18 9 | 0 7 | 14 27 | 0 54 | 14 14 | 2 1 | 22 5 | 0 0 | 15 21 | 1 51 | 7 44 | 11 46 | 22 38 | 22 44 | 24 45 | 9 8 | 1 9 |
| T 9 | 18 52 | 1n28 | 4 33 | 24 55 | 2 1 | 6 47 | 1 50 | 18 21 | 0 8 | 14 31 | 0 54 | 14 16 | 2 1 | 22 5 | 0 0 | 15 20 | 1 51 | 7 44 | 11 46 | 22 37 | 22 44 | 24 46 | 9 9 | 1 9 |
| F 10 | 19 6 | 6 47 | 3 52 | 24 53 | 1 55 | 7 14 | 1 49 | 18 33 | 0 9 | 14 36 | 0 54 | 14 18 | 2 1 | 22 4 | 0 0 | 15 20 | 1 51 | 7 45 | 11 46 | 22 37 | 22 43 | 24 47 | 9 10 | 1 9 |
| S 11 | 19 20 | 11 46 | 3 1 | 24 50 | 1 47 | 7 41 | 1 49 | 18 44 | 0 9 | 14 40 | 0 54 | 14 20 | 2 1 | 22 4 | 0 0 | 15 20 | 1 51 | 7 45 | 11 46 | 22 37 | 22 43 | 24 48 | 9 11 | 1 9 |
| S 12 | 19 33 | 16 13 | 2 2 | 24 46 | 1 39 | 8 7 | 1 49 | 18 55 | 0 10 | 14 44 | 0 54 | 14 23 | 2 1 | 22 4 | 0 0 | 15 19 | 1 51 | 7 45 | 11 46 | 22 36 | 22 43 | 24 48 | 9 13 | 1 9 |
| M13 | 19 46 | 19 58 | 0 59 | 24 40 | 1 29 | 8 34 | 1 48 | 19 6 | 0 10 | 14 48 | 0 54 | 14 25 | 2 1 | 22 3 | 0 0 | 15 19 | 1 51 | 7 46 | 11 46 | 22 36 | 22 42 | 24 49 | 9 14 | 1 9 |
| T 14 | 19 59 | 22 51 | 0n 7 | 24 33 | 1 19 | 9 0 | 1 48 | 19 17 | 0 11 | 14 53 | 0 54 | 14 27 | 2 1 | 22 3 | 0 0 | 15 18 | 1 51 | 7 46 | 11 46 | 22 36 | 22 42 | 24 50 | 9 15 | 1 9 |
| W15 | 20 12 | 24 43 | 1 12 | 24 24 | 1 8 | 9 26 | 1 47 | 19 28 | 0 12 | 14 57 | 0 54 | 14 29 | 2 1 | 22 3 | 0 0 | 15 18 | 1 51 | 7 46 | 11 46 | 22 36 | 22 42 | 24 51 | 9 16 | 1 8 |
| T 16 | 20 24 | 25 28 | 2 13 | 24 14 | 0 56 | 9 52 | 1 46 | 19 38 | 0 12 | 15 1 | 0 54 | 14 32 | 2 1 | 22 2 | 0 0 | 15 17 | 1 51 | 7 47 | 11 46 | 22 36 | 22 41 | 24 52 | 9 17 | 1 8 |
| F 17 | 20 35 | 25 4 | 3 9 | 24 3 | 0 44 | 10 18 | 1 46 | 19 49 | 0 13 | 15 5 | 0 54 | 14 34 | 2 1 | 22 2 | 0 0 | 15 17 | 1 51 | 7 47 | 11 46 | 22 36 | 22 41 | 24 53 | 9 18 | 1 8 |
| S 18 | 20 47 | 23 31 | 3 58 | 23 51 | 0 31 | 10 44 | 1 45 | 19 59 | 0 13 | 15 9 | 0 54 | 14 36 | 2 1 | 22 2 | 0 0 | 15 17 | 1 51 | 7 47 | 11 46 | 22 37 | 22 41 | 24 54 | 9 19 | 1 8 |
| S 19 | 20 58 | 20 55 | 4 36 | 23 38 | 0 17 | 11 9 | 1 44 | 20 9 | 0 14 | 15 14 | 0 54 | 14 38 | 2 1 | 22 1 | 0 0 | 15 16 | 1 51 | 7 48 | 11 46 | 22 37 | 22 40 | 24 55 | 9 20 | 1 8 |
| M20 | 21 9 | 17 21 | 5 3 | 23 24 | 0 2 | 11 34 | 1 43 | 20 18 | 0 15 | 15 18 | 0 54 | 14 40 | 2 1 | 22 1 | 0 0 | 15 16 | 1 51 | 7 48 | 11 46 | 22 37 | 22 40 | 24 55 | 9 22 | 1 8 |
| T 21 | 21 19 | 12 57 | 5 16 | 23 9 | 0s13 | 11 59 | 1 42 | 20 28 | 0 15 | 15 22 | 0 54 | 14 42 | 2 1 | 22 1 | 0 0 | 15 15 | 1 51 | 7 48 | 11 46 | 22 37 | 22 39 | 24 56 | 9 23 | 1 8 |
| W22 | 21 29 | 7 53 | 5 14 | 22 54 | 0 29 | 12 24 | 1 41 | 20 37 | 0 16 | 15 26 | 0 54 | 14 45 | 2 1 | 22 0 | 0 0 | 15 15 | 1 50 | 7 48 | 11 46 | 22 37 | 22 39 | 24 57 | 9 24 | 1 8 |
| T 23 | 21 39 | 2 18 | 4 56 | 22 37 | 0 45 | 12 48 | 1 39 | 20 47 | 0 16 | 15 30 | 0 54 | 14 47 | 2 1 | 22 0 | 0 0 | 15 15 | 1 50 | 7 49 | 11 46 | 22 37 | 22 39 | 24 58 | 9 25 | 1 8 |
| F 24 | 21 48 | 3s35 | 4 20 | 22 20 | 1 2 | 13 12 | 1 38 | 20 56 | 0 17 | 15 34 | 0 54 | 14 49 | 2 1 | 21 59 | 0 0 | 15 14 | 1 50 | 7 49 | 11 46 | 22 37 | 22 38 | 24 59 | 9 26 | 1 8 |
| S 25 | 21 57 | 9 30 | 3 27 | 22 3 | 1 19 | 13 36 | 1 37 | 21 4 | 0 18 | 15 38 | 0 54 | 14 51 | 2 1 | 21 59 | 0 0 | 15 14 | 1 50 | 7 49 | 11 46 | 22 36 | 22 38 | 25 0 | 9 27 | 1 8 |
| S 26 | 22 6 | 15 3 | 2 20 | 21 45 | 1 36 | 13 59 | 1 36 | 21 13 | 0 18 | 15 42 | 0 54 | 14 53 | 2 1 | 21 59 | 0 0 | 15 13 | 1 50 | 7 50 | 11 46 | 22 36 | 22 38 | 25 0 | 9 28 | 1 8 |
| M27 | 22 14 | 19 51 | 1 2 | 21 27 | 1 52 | 14 23 | 1 34 | 21 21 | 0 19 | 15 46 | 0 54 | 14 55 | 2 1 | 21 58 | 0 0 | 15 13 | 1 50 | 7 50 | 11 46 | 22 36 | 22 37 | 25 1 | 9 29 | 1 8 |
| T 28 | 22 21 | 23 22 | 0s22 | 21 9 | 2 9 | 14 45 | 1 33 | 21 30 | 0 19 | 15 50 | 0 54 | 14 57 | 2 1 | 21 58 | 0 0 | 15 13 | 1 50 | 7 50 | 11 46 | 22 36 | 22 37 | 25 2 | 9 30 | 1 8 |
| W29 | 22 29 | 25 15 | 1 44 | 20 51 | 2 26 | 15 8 | 1 31 | 21 38 | 0 20 | 15 53 | 0 54 | 14 59 | 2 2 | 21 58 | 0 0 | 15 12 | 1 50 | 7 50 | 11 46 | 22 36 | 22 37 | 25 3 | 9 31 | 1 8 |
| T 30 | 22 36 | 25 15 | 2 58 | 20 33 | 2 42 | 15 30 | 1 29 | 21 46 | 0 21 | 15 57 | 0 54 | 15 1 | 2 2 | 21 57 | 0 0 | 15 12 | 1 50 | 7 51 | 11 46 | 22 36 | 22 36 | 25 4 | 9 32 | 1 8 |
| F 31 | 22n42 | 23s27 | 4s 0 | 20n16 | 2s57 | 15n52 | 1s28 | 21n53 | 0n21 | 16n 1 | 0s54 | 15n 3 | 2s 2 | 21s57 | 0n 0 | 15s12 | 1n50 | 7n51 | 11s46 | 22n36 | 22n36 | 25n 4 | 9n33 | 1n 8 |

Julian Day Number = 2139754.5, Delta T = 15m28s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'18, Lahiri = 11°57'18 Julian Calendar 1 May 1146 == Greg. Calendar 8 May 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## JUNE 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 2 15 | 15♊59'11 | 17♒29 | 20°R 0 | 19♉12 | 7♊26 | 16♉49 | 17♉ 8 | 9°R16 | 16°R51 | 25♉49 | 14°R10 | 14♊ 2 | 1♋26 | 21♈44 | S 1 |
| S 2 | 17 6 11 | 16°56'23 | 1♓33 | 19♊26 | 20°24 | 8° 8 | 17° 2 | 17°15 | 9♐13 | 16♏49 | 25°50 | 14♊10 | 13°59 | 1°33 | 21°46 | S 2 |
| M 3 | 17 10 8 | 17°53'35 | 15°12 | 18°52 | 21°36 | 8°48 | 17°15 | 17°22 | 9°11 | 16°48 | 25°51 | 14°D10 | 13°55 | 1°39 | 21°49 | M 3 |
| T 4 | 17 14 4 | 18°50'46 | 28°28 | 18°17 | 22°48 | 9°29 | 17°28 | 17°29 | 9° 9 | 16°47 | 25°52 | 14°10 | 13°52 | 1°46 | 21°51 | T 4 |
| W 5 | 17 18 1 | 19°47'58 | 11♈22 | 17°42 | 24° 1 | 10°10 | 17°41 | 17°36 | 9° 6 | 16°45 | 25°54 | 14°10 | 13°49 | 1°53 | 21°53 | W 5 |
| T 6 | 17 21 57 | 20°45'10 | 23°57 | 17° 9 | 25°13 | 10°51 | 17°54 | 17°43 | 9° 4 | 16°44 | 25°55 | 14°10 | 13°46 | 1°59 | 21°56 | T 6 |
| F 7 | 17 25 54 | 21°42'21 | 6♉18 | 16°37 | 26°25 | 11°32 | 18° 7 | 17°50 | 9° 1 | 16°43 | 25°56 | 14°11 | 13°43 | 2° 6 | 21°58 | F 7 |
| S 8 | 17 29 51 | 22°39'33 | 18°26 | 16° 8 | 27°38 | 12°13 | 18°20 | 17°57 | 8°59 | 16°42 | 25°57 | 14°12 | 13°39 | 2°13 | 22° 0 | S 8 |
| S 9 | 17 33 47 | 23°36'44 | 0♊25 | 15°41 | 28°50 | 12°53 | 18°33 | 18° 4 | 8°57 | 16°40 | 25°59 | 14°13 | 13°36 | 2°19 | 22° 2 | S 9 |
| M10 | 17 37 44 | 24°33'56 | 12°18 | 15°17 | 0♊ 2 | 13°34 | 18°45 | 18°11 | 8°54 | 16°39 | 26° 0 | 14°R13 | 13°33 | 2°26 | 22° 4 | M10 |
| T 11 | 17 41 40 | 25°31'07 | 24° 6 | 14°57 | 1°15 | 14°15 | 18°58 | 18°18 | 8°52 | 16°38 | 26° 1 | 14°13 | 13°30 | 2°33 | 22° 6 | T 11 |
| W12 | 17 45 37 | 26°28'19 | 5♋54 | 14°41 | 2°27 | 14°55 | 19°11 | 18°24 | 8°50 | 16°37 | 26° 2 | 14°12 | 13°27 | 2°39 | 22° 9 | W12 |
| T 13 | 17 49 33 | 27°25'30 | 17°42 | 14°29 | 3°40 | 15°36 | 19°23 | 18°31 | 8°47 | 16°36 | 26° 4 | 14°10 | 13°24 | 2°46 | 22°11 | T 13 |
| F 14 | 17 53 30 | 28°22'41 | 29°33 | 14°21 | 4°52 | 16°16 | 19°36 | 18°38 | 8°45 | 16°35 | 26° 5 | 14° 9 | 13°20 | 2°53 | 22°12 | F 14 |
| S 15 | 17 57 26 | 29°19'52 | 11♌30 | 14°D18 | 6° 5 | 16°57 | 19°48 | 18°44 | 8°43 | 16°33 | 26° 6 | 14° 6 | 13°17 | 2°59 | 22°14 | S 15 |
| S 16 | 18 1 23 | 0♋17'03 | 23°35 | 14°20 | 7°18 | 17°37 | 20° 1 | 18°51 | 8°41 | 16°32 | 26° 7 | 14° 4 | 13°14 | 3° 6 | 22°16 | S 16 |
| M17 | 18 5 20 | 1°14'13 | 5♍52 | 14°27 | 8°30 | 18°17 | 20°13 | 18°57 | 8°38 | 16°31 | 26° 8 | 14° 2 | 13°11 | 3°13 | 22°18 | M17 |
| T 18 | 18 9 16 | 2°11'24 | 18°24 | 14°39 | 9°43 | 18°58 | 20°25 | 19° 4 | 8°36 | 16°30 | 26° 9 | 14° 1 | 13° 8 | 3°19 | 22°20 | T 18 |
| W19 | 18 13 13 | 3° 8'34 | 1♎14 | 14°56 | 10°55 | 19°38 | 20°37 | 19°10 | 8°34 | 16°29 | 26°11 | 14°D 0 | 13° 5 | 3°26 | 22°22 | W19 |
| T 20 | 18 17 9 | 4° 5'44 | 14°26 | 15°18 | 12° 8 | 20°18 | 20°50 | 19°16 | 8°32 | 16°28 | 26°12 | 14° 1 | 13° 1 | 3°32 | 22°23 | T 20 |
| F 21 | 18 21 6 | 5° 2'54 | 28° 2 | 15°46 | 13°21 | 20°58 | 21° 2 | 19°23 | 8°30 | 16°27 | 26°13 | 14° 2 | 12°58 | 3°39 | 22°25 | F 21 |
| S 22 | 18 25 2 | 6° 0'04 | 12♏ 3 | 16°18 | 14°34 | 21°38 | 21°13 | 19°29 | 8°28 | 16°26 | 26°14 | 14° 3 | 12°55 | 3°46 | 22°26 | S 22 |
| S 23 | 18 28 59 | 6°57'14 | 26°30 | 16°56 | 15°46 | 22°19 | 21°25 | 19°35 | 8°26 | 16°26 | 26°15 | 14° 4 | 12°52 | 3°52 | 22°28 | S 23 |
| M24 | 18 32 56 | 7°54'24 | 11♐19 | 17°39 | 16°59 | 22°59 | 21°37 | 19°41 | 8°24 | 16°25 | 26°16 | 14°R 5 | 12°49 | 3°59 | 22°29 | M24 |
| T 25 | 18 36 52 | 8°51'35 | 26°24 | 18°27 | 18°12 | 23°39 | 21°49 | 19°47 | 8°22 | 16°24 | 26°17 | 14° 4 | 12°45 | 4° 6 | 22°31 | T 25 |
| W26 | 18 40 49 | 9°48'45 | 11♑37 | 19°20 | 19°25 | 24°19 | 22° 1 | 19°53 | 8°20 | 16°23 | 26°18 | 14° 3 | 12°42 | 4°12 | 22°32 | W26 |
| T 27 | 18 44 45 | 10°45'57 | 26°48 | 20°17 | 20°38 | 24°58 | 22°12 | 19°59 | 8°18 | 16°22 | 26°19 | 14° 0 | 12°39 | 4°19 | 22°33 | T 27 |
| F 28 | 18 48 42 | 11°43'08 | 11♒48 | 21°20 | 21°51 | 25°38 | 22°24 | 20° 5 | 8°16 | 16°21 | 26°20 | 13°57 | 12°36 | 4°26 | 22°35 | F 28 |
| S 29 | 18 52 38 | 12°40'20 | 26°28 | 22°27 | 23° 4 | 26°18 | 22°35 | 20°11 | 8°14 | 16°21 | 26°21 | 13°53 | 12°33 | 4°32 | 22°36 | S 29 |
| S 30 | 18 56 35 | 13♋37'33 | 10♓43 | 23♊40 | 24♊17 | 26♊58 | 22♉46 | 20♉16 | 8♐12 | 16♏20 | 26♉22 | 13♊49 | 12♊30 | 4♋39 | 22♈37 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n49 | 20s10 | 4s44 | 19n59 | 3s12 | 16n14 | 1s26 | 22n 1 | 0n22 | 16n 5 | 0s54 | 15n 5 | 2s 2 | 21s57 | 0s 0 | 15s11 | 1n50 | 7n51 | 11s46 | 22n36 | 22n35 | 25n 5 | 9n34 | 1n 8 |
| S 2 | 22 54 | 15 48 | 5 10 | 19 43 | 3 26 | 16 35 | 1 24 | 22 8 | 0 22 | 16 9 | 0 54 | 15 7 | 2 2 | 21 56 | 0 0 | 15 11 | 1 50 | 7 51 | 11 46 | 22 36 | 22 35 | 25 6 | 9 34 | 1 8 |
| M 3 | 23 0 | 10 44 | 5 18 | 19 27 | 3 39 | 16 55 | 1 22 | 22 15 | 0 23 | 16 12 | 0 54 | 15 9 | 2 2 | 21 56 | 0 0 | 15 10 | 1 50 | 7 52 | 11 46 | 22 36 | 22 35 | 25 7 | 9 35 | 1 8 |
| T 4 | 23 5 | 5 19 | 5 8 | 19 13 | 3 50 | 17 16 | 1 21 | 22 22 | 0 24 | 16 16 | 0 54 | 15 11 | 2 2 | 21 55 | 0 0 | 15 10 | 1 50 | 7 52 | 11 46 | 22 36 | 22 34 | 25 7 | 9 36 | 1 8 |
| W 5 | 23 9 | 0n11 | 4 43 | 18 59 | 4 1 | 17 36 | 1 19 | 22 29 | 0 24 | 16 20 | 0 54 | 15 13 | 2 2 | 21 55 | 0 0 | 15 10 | 1 50 | 7 52 | 11 46 | 22 36 | 22 34 | 25 8 | 9 37 | 1 8 |
| T 6 | 23 14 | 5 33 | 4 4 | 18 47 | 4 10 | 17 55 | 1 17 | 22 35 | 0 25 | 16 23 | 0 54 | 15 15 | 2 2 | 21 55 | 0 0 | 15 9 | 1 50 | 7 52 | 11 46 | 22 36 | 22 33 | 25 9 | 9 38 | 1 8 |
| F 7 | 23 17 | 10 36 | 3 15 | 18 36 | 4 17 | 18 14 | 1 15 | 22 41 | 0 25 | 16 27 | 0 54 | 15 16 | 2 2 | 21 54 | 0 0 | 15 9 | 1 50 | 7 52 | 11 46 | 22 37 | 22 33 | 25 10 | 9 39 | 1 8 |
| S 8 | 23 21 | 15 11 | 2 18 | 18 27 | 4 24 | 18 33 | 1 13 | 22 47 | 0 26 | 16 30 | 0 54 | 15 18 | 2 2 | 21 54 | 0 0 | 15 9 | 1 50 | 7 53 | 11 46 | 22 37 | 22 33 | 25 10 | 9 40 | 1 8 |
| S 9 | 23 24 | 19 6 | 1 16 | 18 20 | 4 28 | 18 51 | 1 11 | 22 53 | 0 26 | 16 34 | 0 54 | 15 20 | 2 2 | 21 54 | 0 0 | 15 9 | 1 50 | 7 53 | 11 47 | 22 37 | 22 32 | 25 11 | 9 40 | 1 8 |
| M10 | 23 26 | 22 12 | 0 11 | 18 14 | 4 32 | 19 8 | 1 8 | 22 59 | 0 27 | 16 38 | 0 54 | 15 22 | 2 2 | 21 53 | 0 0 | 15 8 | 1 50 | 7 53 | 11 47 | 22 37 | 22 32 | 25 12 | 9 41 | 1 8 |
| T 11 | 23 28 | 24 20 | 0n55 | 18 10 | 4 33 | 19 26 | 1 6 | 23 4 | 0 28 | 16 41 | 0 54 | 15 24 | 2 2 | 21 53 | 0 0 | 15 8 | 1 50 | 7 53 | 11 47 | 22 37 | 22 32 | 25 13 | 9 42 | 1 8 |
| W12 | 23 30 | 25 22 | 1 57 | 18 8 | 4 34 | 19 42 | 1 4 | 23 10 | 0 28 | 16 44 | 0 54 | 15 26 | 2 2 | 21 53 | 0 0 | 15 8 | 1 50 | 7 53 | 11 47 | 22 37 | 22 31 | 25 13 | 9 43 | 1 8 |
| T 13 | 23 32 | 25 16 | 2 55 | 18 8 | 4 33 | 19 58 | 1 2 | 23 15 | 0 29 | 16 48 | 0 54 | 15 27 | 2 2 | 21 52 | 0 0 | 15 7 | 1 50 | 7 54 | 11 47 | 22 36 | 22 31 | 25 14 | 9 43 | 1 8 |
| F 14 | 23 32 | 24 1 | 3 45 | 18 9 | 4 30 | 20 14 | 0 59 | 23 20 | 0 29 | 16 51 | 0 54 | 15 29 | 2 3 | 21 52 | 0 0 | 15 7 | 1 50 | 7 54 | 11 47 | 22 36 | 22 30 | 25 15 | 9 44 | 1 8 |
| S 15 | 23 33 | 21 40 | 4 26 | 18 13 | 4 27 | 20 29 | 0 57 | 23 24 | 0 30 | 16 55 | 0 54 | 15 31 | 2 3 | 21 52 | 0 0 | 15 7 | 1 50 | 7 54 | 11 47 | 22 36 | 22 30 | 25 15 | 9 45 | 1 8 |
| S 16 | 23 33 | 18 22 | 4 56 | 18 18 | 4 22 | 20 44 | 0 55 | 23 29 | 0 30 | 16 58 | 0 54 | 15 32 | 2 3 | 21 51 | 0 0 | 15 7 | 1 50 | 7 54 | 11 47 | 22 36 | 22 30 | 25 16 | 9 46 | 1 8 |
| M17 | 23 33 | 14 14 | 5 13 | 18 24 | 4 16 | 20 58 | 0 52 | 23 33 | 0 31 | 17 1 | 0 54 | 15 34 | 2 3 | 21 51 | 0 0 | 15 6 | 1 50 | 7 54 | 11 47 | 22 35 | 22 29 | 25 17 | 9 46 | 1 8 |
| T 18 | 23 32 | 9 26 | 5 15 | 18 33 | 4 9 | 21 11 | 0 50 | 23 37 | 0 32 | 17 4 | 0 54 | 15 36 | 2 3 | 21 51 | 0 0 | 15 6 | 1 50 | 7 54 | 11 47 | 22 35 | 22 29 | 25 17 | 9 47 | 1 8 |
| W19 | 23 31 | 4 7 | 5 2 | 18 43 | 4 1 | 21 24 | 0 48 | 23 41 | 0 32 | 17 8 | 0 54 | 15 37 | 2 3 | 21 50 | 0 0 | 15 6 | 1 49 | 7 55 | 11 48 | 22 35 | 22 28 | 25 18 | 9 47 | 1 8 |
| T 20 | 23 29 | 1s32 | 4 33 | 18 54 | 3 52 | 21 36 | 0 45 | 23 44 | 0 33 | 17 11 | 0 54 | 15 39 | 2 3 | 21 50 | 0 0 | 15 6 | 1 49 | 7 55 | 11 48 | 22 35 | 22 28 | 25 19 | 9 48 | 1 8 |
| F 21 | 23 27 | 7 17 | 3 47 | 19 6 | 3 42 | 21 48 | 0 43 | 23 48 | 0 33 | 17 14 | 0 54 | 15 41 | 2 3 | 21 50 | 0 0 | 15 5 | 1 49 | 7 55 | 11 48 | 22 35 | 22 28 | 25 19 | 9 49 | 1 8 |
| S 22 | 23 25 | 12 52 | 2 48 | 19 20 | 3 32 | 21 59 | 0 40 | 23 51 | 0 34 | 17 17 | 0 54 | 15 42 | 2 3 | 21 49 | 0 0 | 15 5 | 1 49 | 7 55 | 11 48 | 22 36 | 22 27 | 25 20 | 9 49 | 1 8 |
| S 23 | 23 22 | 17 55 | 1 35 | 19 35 | 3 20 | 22 10 | 0 38 | 23 54 | 0 34 | 17 20 | 0 54 | 15 44 | 2 3 | 21 49 | 0 0 | 15 5 | 1 49 | 7 55 | 11 48 | 22 36 | 22 27 | 25 21 | 9 50 | 1 8 |
| M24 | 23 19 | 21 59 | 0 15 | 19 51 | 3 9 | 22 20 | 0 35 | 23 57 | 0 35 | 17 23 | 0 54 | 15 45 | 2 4 | 21 49 | 0 0 | 15 5 | 1 49 | 7 55 | 11 48 | 22 36 | 22 26 | 25 21 | 9 50 | 1 8 |
| T 25 | 23 15 | 24 37 | 1s 7 | 20 7 | 2 57 | 22 29 | 0 33 | 23 59 | 0 35 | 17 26 | 0 54 | 15 47 | 2 4 | 21 48 | 0 0 | 15 5 | 1 49 | 7 55 | 11 48 | 22 36 | 22 26 | 25 22 | 9 51 | 1 8 |
| W26 | 23 11 | 25 28 | 2 26 | 20 24 | 2 44 | 22 37 | 0 30 | 24 2 | 0 36 | 17 29 | 0 54 | 15 48 | 2 4 | 21 48 | 0 0 | 15 4 | 1 49 | 7 55 | 11 48 | 22 36 | 22 26 | 25 22 | 9 51 | 1 8 |
| T 27 | 23 7 | 24 23 | 3 34 | 20 41 | 2 31 | 22 45 | 0 28 | 24 4 | 0 37 | 17 32 | 0 54 | 15 50 | 2 4 | 21 48 | 0 0 | 15 4 | 1 49 | 7 55 | 11 49 | 22 35 | 22 25 | 25 23 | 9 52 | 1 8 |
| F 28 | 23 2 | 21 35 | 4 26 | 20 59 | 2 18 | 22 53 | 0 25 | 24 6 | 0 37 | 17 35 | 0 54 | 15 51 | 2 4 | 21 47 | 0 0 | 15 4 | 1 49 | 7 56 | 11 49 | 22 35 | 22 25 | 25 24 | 9 52 | 1 8 |
| S 29 | 22 57 | 17 26 | 4 59 | 21 16 | 2 4 | 23 0 | 0 23 | 24 8 | 0 38 | 17 38 | 0 54 | 15 53 | 2 4 | 21 47 | 0 0 | 15 4 | 1 49 | 7 56 | 11 49 | 22 34 | 22 24 | 25 24 | 9 53 | 1 8 |
| S 30 | 22n51 | 12s24 | 5s13 | 21n34 | 1s50 | 23n 6 | 0s20 | 24n 9 | 0n38 | 17n41 | 0s54 | 15n54 | 2s 4 | 21s47 | 0s 0 | 15s 4 | 1n49 | 7n56 | 11s49 | 22n34 | 22n24 | 25n25 | 9n53 | 1n 8 |

Julian Day Number = 2139785.5, Delta T = 15m27s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'22, Lahiri = 11°57'23 Julian Calendar 1 June 1146 == Greg. Calendar 8 June 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## JULY 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 0 31 | 14♋34'47 | 24♓30 | 24♊56 | 25♊30 | 27♊38 | 22♉57 | 20♉22 | 8°R10 | 16°R19 | 26♉23 | 13°R46 | 12♊26 | 4♋46 | 22♈38 | M 1 |
| T 2 | 19 4 28 | 15°32'01 | 7♈49 | 26°18 | 26°43 | 28°17 | 23° 9 | 20°27 | 8♐ 8 | 16♏19 | 26°24 | 13♊45 | 12°23 | 4°52 | 22°39 | T 2 |
| W 3 | 19 8 25 | 16°29'16 | 20°42 | 27°44 | 27°56 | 28°57 | 23°20 | 20°33 | 8° 7 | 16°18 | 26°25 | 13°D45 | 12°20 | 4°59 | 22°40 | W 3 |
| T 4 | 19 12 21 | 17°26'32 | 3♉14 | 29°14 | 29° 9 | 29°37 | 23°30 | 20°38 | 8° 5 | 16°17 | 26°26 | 13°46 | 12°17 | 5° 6 | 22°41 | T 4 |
| F 5 | 19 16 18 | 18°23'49 | 15°28 | 0♋48 | 0♋22 | 0♋16 | 23°41 | 20°44 | 8° 3 | 16°17 | 26°27 | 13°47 | 12°14 | 5°12 | 22°42 | F 5 |
| S 6 | 19 20 14 | 19°21'07 | 27°29 | 2°26 | 1°35 | 0°56 | 23°52 | 20°49 | 8° 2 | 16°16 | 26°28 | 13°49 | 12°11 | 5°19 | 22°43 | S 6 |
| S 7 | 19 24 11 | 20°18'26 | 9♊22 | 4° 8 | 2°49 | 1°35 | 24° 3 | 20°54 | 8° 0 | 16°16 | 26°29 | 13°R50 | 12° 7 | 5°26 | 22°44 | S 7 |
| M 8 | 19 28 7 | 21°15'46 | 21°10 | 5°54 | 4° 2 | 2°15 | 24°13 | 20°59 | 7°58 | 16°15 | 26°30 | 13°50 | 12° 4 | 5°32 | 22°44 | M 8 |
| T 9 | 19 32 4 | 22°13'07 | 2♋57 | 7°43 | 5°15 | 2°54 | 24°24 | 21° 5 | 7°57 | 16°15 | 26°30 | 13°48 | 12° 1 | 5°39 | 22°45 | T 9 |
| W10 | 19 36 0 | 23°10'29 | 14°45 | 9°35 | 6°28 | 3°34 | 24°34 | 21°10 | 7°55 | 16°15 | 26°31 | 13°44 | 11°58 | 5°46 | 22°46 | W10 |
| T 11 | 19 39 57 | 24° 7'51 | 26°38 | 11°30 | 7°42 | 4°13 | 24°44 | 21°14 | 7°54 | 16°14 | 26°32 | 13°39 | 11°55 | 5°52 | 22°46 | T 11 |
| F 12 | 19 43 54 | 25° 5'15 | 8♌36 | 13°27 | 8°55 | 4°53 | 24°54 | 21°19 | 7°52 | 16°14 | 26°33 | 13°32 | 11°51 | 5°59 | 22°47 | F 12 |
| S 13 | 19 47 50 | 26° 2'39 | 20°42 | 15°26 | 10° 9 | 5°32 | 25° 4 | 21°24 | 7°51 | 16°14 | 26°34 | 13°24 | 11°48 | 6° 6 | 22°47 | S 13 |
| S 14 | 19 51 47 | 27° 0'04 | 2♍57 | 17°27 | 11°22 | 6°11 | 25°14 | 21°29 | 7°50 | 16°13 | 26°34 | 13°16 | 11°45 | 6°12 | 22°48 | S 14 |
| M15 | 19 55 43 | 27°57'30 | 15°22 | 19°29 | 12°36 | 6°50 | 25°24 | 21°33 | 7°48 | 16°13 | 26°35 | 13° 9 | 11°42 | 6°19 | 22°48 | M15 |
| T 16 | 19 59 40 | 28°54'56 | 28° 0 | 21°33 | 13°49 | 7°29 | 25°34 | 21°38 | 7°47 | 16°13 | 26°36 | 13° 4 | 11°39 | 6°26 | 22°48 | T 16 |
| W17 | 20 3 36 | 29°52'23 | 10♎53 | 23°37 | 15° 3 | 8° 9 | 25°43 | 21°42 | 7°46 | 16°13 | 26°37 | 13° 0 | 11°36 | 6°32 | 22°49 | W17 |
| T 18 | 20 7 33 | 0♌49'51 | 24° 3 | 25°41 | 16°16 | 8°48 | 25°53 | 21°47 | 7°45 | 16°12 | 26°37 | 12°58 | 11°32 | 6°39 | 22°49 | T 18 |
| F 19 | 20 11 29 | 1°47'20 | 7♏32 | 27°46 | 17°30 | 9°27 | 26° 2 | 21°51 | 7°44 | 16°12 | 26°38 | 12°D58 | 11°29 | 6°46 | 22°49 | F 19 |
| S 20 | 20 15 26 | 2°44'50 | 21°23 | 29°50 | 18°43 | 10° 6 | 26°12 | 21°55 | 7°43 | 16°12 | 26°39 | 12°59 | 11°26 | 6°52 | 22°49 | S 20 |
| S 21 | 20 19 23 | 3°42'20 | 5♐35 | 1♌54 | 19°57 | 10°45 | 26°21 | 21°59 | 7°42 | 16°12 | 26°39 | 13°R 0 | 11°23 | 6°59 | 22°R49 | S 21 |
| M22 | 20 23 19 | 4°39'52 | 20° 9 | 3°57 | 21°11 | 11°24 | 26°30 | 22° 3 | 7°41 | 16°D12 | 26°40 | 13° 0 | 11°20 | 7° 6 | 22°49 | M22 |
| T 23 | 20 27 16 | 5°37'24 | 5♑ 0 | 6° 0 | 22°24 | 12° 2 | 26°38 | 22° 7 | 7°40 | 16°12 | 26°40 | 12°58 | 11°17 | 7°12 | 22°49 | T 23 |
| W24 | 20 31 12 | 6°34'58 | 20° 3 | 8° 1 | 23°38 | 12°41 | 26°47 | 22°11 | 7°39 | 16°12 | 26°41 | 12°54 | 11°13 | 7°19 | 22°49 | W24 |
| T 25 | 20 35 9 | 7°32'33 | 5♒ 8 | 10° 2 | 24°52 | 13°20 | 26°56 | 22°15 | 7°38 | 16°12 | 26°42 | 12°48 | 11°10 | 7°25 | 22°49 | T 25 |
| F 26 | 20 39 5 | 8°30'08 | 20° 7 | 12° 1 | 26° 6 | 13°59 | 27° 4 | 22°19 | 7°37 | 16°12 | 26°42 | 12°40 | 11° 7 | 7°32 | 22°48 | F 26 |
| S 27 | 20 43 2 | 9°27'45 | 4♓50 | 14° 0 | 27°20 | 14°38 | 27°13 | 22°22 | 7°36 | 16°12 | 26°43 | 12°32 | 11° 4 | 7°39 | 22°48 | S 27 |
| S 28 | 20 46 58 | 10°25'24 | 19°10 | 15°57 | 28°33 | 15°16 | 27°21 | 22°26 | 7°36 | 16°13 | 26°43 | 12°23 | 11° 1 | 7°45 | 22°48 | S 28 |
| M29 | 20 50 55 | 11°23'04 | 3♈ 3 | 17°52 | 29°47 | 15°55 | 27°29 | 22°29 | 7°35 | 16°13 | 26°44 | 12°16 | 10°57 | 7°52 | 22°47 | M29 |
| T 30 | 20 54 52 | 12°20'46 | 16°27 | 19°46 | 1♌ 1 | 16°34 | 27°37 | 22°32 | 7°34 | 16°13 | 26°44 | 12°11 | 10°54 | 7°59 | 22°47 | T 30 |
| W31 | 20 58 48 | 13♌18'29 | 29♈23 | 21♌39 | 2♌15 | 17♋12 | 27♉45 | 22♉35 | 7♐34 | 16♏13 | 26♉45 | 12♊ 8 | 10♊51 | 8♋ 5 | 22♈46 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n45 | 6s54 | 5s 8 | 21n51 | 1s36 | 23n11 | 0s17 | 24n11 | 0n39 | 17n43 | 0s54 | 15n55 | 2s 4 | 21s47 | 0s 0 | 15s 4 | 1n49 | 7n56 | 11s49 | 22n34 | 22n24 | 25n25 | 9n54 | 1n 8 |
| T 2 | 22 38 | 1 16 | 4 46 | 22 7 | 1 23 | 23 16 | 0 15 | 24 12 | 0 39 | 17 46 | 0 54 | 15 57 | 2 5 | 21 46 | 0 0 | 15 3 | 1 49 | 7 56 | 11 49 | 22 33 | 22 23 | 25 26 | 9 54 | 1 8 |
| W 3 | 22 32 | 4n15 | 4 11 | 22 23 | 1 9 | 23 20 | 0 12 | 24 13 | 0 40 | 17 49 | 0 54 | 15 58 | 2 5 | 21 46 | 0 0 | 15 3 | 1 49 | 7 56 | 11 49 | 22 33 | 22 23 | 25 26 | 9 54 | 1 8 |
| T 4 | 22 24 | 9 27 | 3 24 | 22 38 | 0 55 | 23 23 | 0 10 | 24 13 | 0 40 | 17 52 | 0 54 | 15 59 | 2 5 | 21 46 | 0 0 | 15 3 | 1 49 | 7 56 | 11 50 | 22 33 | 22 22 | 25 27 | 9 55 | 1 8 |
| F 5 | 22 17 | 14 11 | 2 29 | 22 51 | 0 42 | 23 26 | 0 7 | 24 14 | 0 41 | 17 54 | 0 54 | 16 1 | 2 5 | 21 46 | 0 0 | 15 3 | 1 49 | 7 56 | 11 50 | 22 34 | 22 22 | 25 28 | 9 55 | 1 8 |
| S 6 | 22 9 | 18 16 | 1 28 | 23 3 | 0 28 | 23 28 | 0 5 | 24 14 | 0 41 | 17 57 | 0 54 | 16 2 | 2 5 | 21 45 | 0 0 | 15 3 | 1 49 | 7 56 | 11 50 | 22 34 | 22 21 | 25 28 | 9 55 | 1 8 |
| S 7 | 22 0 | 21 33 | 0 24 | 23 14 | 0 15 | 23 29 | 0 2 | 24 14 | 0 42 | 18 0 | 0 54 | 16 3 | 2 5 | 21 45 | 0 0 | 15 3 | 1 48 | 7 56 | 11 50 | 22 34 | 22 21 | 25 29 | 9 56 | 1 8 |
| M 8 | 21 52 | 23 55 | 0n40 | 23 22 | 0 3 | 23 30 | 0n 0 | 24 14 | 0 43 | 18 2 | 0 54 | 16 4 | 2 5 | 21 45 | 0 0 | 15 3 | 1 48 | 7 56 | 11 50 | 22 34 | 22 21 | 25 29 | 9 56 | 1 8 |
| T 9 | 21 43 | 25 13 | 1 42 | 23 29 | 0n 9 | 23 30 | 0 3 | 24 14 | 0 43 | 18 5 | 0 55 | 16 6 | 2 5 | 21 45 | 0 0 | 15 3 | 1 48 | 7 56 | 11 50 | 22 34 | 22 20 | 25 30 | 9 56 | 1 8 |
| W10 | 21 33 | 25 23 | 2 40 | 23 33 | 0 21 | 23 29 | 0 6 | 24 14 | 0 44 | 18 7 | 0 55 | 16 7 | 2 6 | 21 44 | 0 0 | 15 3 | 1 48 | 7 56 | 11 51 | 22 33 | 22 20 | 25 30 | 9 56 | 1 8 |
| T 11 | 21 23 | 24 23 | 3 31 | 23 35 | 0 32 | 23 28 | 0 8 | 24 13 | 0 44 | 18 10 | 0 55 | 16 8 | 2 6 | 21 44 | 0 0 | 15 3 | 1 48 | 7 56 | 11 51 | 22 33 | 22 19 | 25 31 | 9 57 | 1 8 |
| F 12 | 21 13 | 22 16 | 4 14 | 23 34 | 0 42 | 23 25 | 0 11 | 24 12 | 0 45 | 18 12 | 0 55 | 16 9 | 2 6 | 21 44 | 0 0 | 15 3 | 1 48 | 7 56 | 11 51 | 22 32 | 22 19 | 25 31 | 9 57 | 1 8 |
| S 13 | 21 2 | 19 9 | 4 45 | 23 31 | 0 52 | 23 23 | 0 13 | 24 11 | 0 45 | 18 14 | 0 55 | 16 10 | 2 6 | 21 44 | 0 0 | 15 3 | 1 48 | 7 56 | 11 51 | 22 31 | 22 18 | 25 32 | 9 57 | 1 8 |
| S 14 | 20 51 | 15 11 | 5 4 | 23 24 | 1 1 | 23 19 | 0 15 | 24 10 | 0 46 | 18 17 | 0 55 | 16 11 | 2 6 | 21 43 | 0 0 | 15 3 | 1 48 | 7 56 | 11 51 | 22 30 | 22 18 | 25 32 | 9 57 | 1 8 |
| M15 | 20 40 | 10 31 | 5 8 | 23 16 | 1 9 | 23 15 | 0 18 | 24 9 | 0 46 | 18 19 | 0 55 | 16 12 | 2 6 | 21 43 | 0 0 | 15 3 | 1 48 | 7 56 | 11 51 | 22 29 | 22 18 | 25 33 | 9 57 | 1 8 |
| T 16 | 20 28 | 5 21 | 4 58 | 23 4 | 1 16 | 23 10 | 0 20 | 24 7 | 0 47 | 18 21 | 0 55 | 16 13 | 2 7 | 21 43 | 0 0 | 15 3 | 1 48 | 7 56 | 11 52 | 22 28 | 22 17 | 25 33 | 9 57 | 1 8 |
| W17 | 20 16 | 0s 8 | 4 33 | 22 50 | 1 23 | 23 4 | 0 23 | 24 5 | 0 47 | 18 23 | 0 55 | 16 14 | 2 7 | 21 43 | 0 0 | 15 3 | 1 48 | 7 56 | 11 52 | 22 28 | 22 17 | 25 34 | 9 57 | 1 8 |
| T 18 | 20 4 | 5 46 | 3 53 | 22 33 | 1 28 | 22 58 | 0 25 | 24 3 | 0 48 | 18 26 | 0 55 | 16 15 | 2 7 | 21 43 | 0 0 | 15 3 | 1 48 | 7 56 | 11 52 | 22 28 | 22 16 | 25 34 | 9 58 | 1 8 |
| F 19 | 19 51 | 11 16 | 2 59 | 22 14 | 1 33 | 22 51 | 0 27 | 24 1 | 0 48 | 18 28 | 0 55 | 16 16 | 2 7 | 21 42 | 0 0 | 15 3 | 1 48 | 7 56 | 11 52 | 22 28 | 22 16 | 25 35 | 9 58 | 1 8 |
| S 20 | 19 38 | 16 21 | 1 54 | 21 52 | 1 37 | 22 44 | 0 30 | 23 59 | 0 49 | 18 30 | 0 55 | 16 17 | 2 7 | 21 42 | 0 0 | 15 3 | 1 48 | 7 56 | 11 52 | 22 28 | 22 15 | 25 35 | 9 58 | 1 8 |
| S 21 | 19 25 | 20 41 | 0 40 | 21 28 | 1 41 | 22 35 | 0 32 | 23 56 | 0 49 | 18 32 | 0 55 | 16 18 | 2 7 | 21 42 | 0 0 | 15 3 | 1 48 | 7 56 | 11 53 | 22 28 | 22 15 | 25 35 | 9 58 | 1 8 |
| M22 | 19 11 | 23 49 | 0s38 | 21 2 | 1 43 | 22 26 | 0 34 | 23 53 | 0 50 | 18 34 | 0 55 | 16 19 | 2 7 | 21 42 | 0 1 | 15 3 | 1 48 | 7 56 | 11 53 | 22 28 | 22 15 | 25 36 | 9 58 | 1 8 |
| T 23 | 18 57 | 25 23 | 1 55 | 20 33 | 1 45 | 22 17 | 0 36 | 23 50 | 0 50 | 18 36 | 0 55 | 16 20 | 2 8 | 21 42 | 0 1 | 15 3 | 1 48 | 7 56 | 11 53 | 22 28 | 22 14 | 25 36 | 9 58 | 1 8 |
| W24 | 18 43 | 25 6 | 3 5 | 20 3 | 1 46 | 22 6 | 0 39 | 23 47 | 0 51 | 18 38 | 0 55 | 16 20 | 2 8 | 21 42 | 0 1 | 15 3 | 1 47 | 7 56 | 11 53 | 22 27 | 22 14 | 25 37 | 9 57 | 1 8 |
| T 25 | 18 28 | 22 59 | 4 2 | 19 31 | 1 46 | 21 55 | 0 41 | 23 44 | 0 51 | 18 40 | 0 55 | 16 21 | 2 8 | 21 42 | 0 1 | 15 3 | 1 47 | 7 56 | 11 53 | 22 26 | 22 13 | 25 37 | 9 57 | 1 8 |
| F 26 | 18 13 | 19 18 | 4 42 | 18 58 | 1 46 | 21 44 | 0 43 | 23 40 | 0 52 | 18 42 | 0 56 | 16 22 | 2 8 | 21 41 | 0 1 | 15 3 | 1 47 | 7 56 | 11 54 | 22 25 | 22 13 | 25 38 | 9 57 | 1 8 |
| S 27 | 17 58 | 14 28 | 5 3 | 18 23 | 1 45 | 21 32 | 0 45 | 23 37 | 0 52 | 18 43 | 0 56 | 16 23 | 2 8 | 21 41 | 0 1 | 15 3 | 1 47 | 7 55 | 11 54 | 22 24 | 22 12 | 25 38 | 9 57 | 1 8 |
| S 28 | 17 43 | 8 57 | 5 3 | 17 47 | 1 44 | 21 19 | 0 47 | 23 33 | 0 53 | 18 45 | 0 56 | 16 23 | 2 9 | 21 41 | 0 1 | 15 3 | 1 47 | 7 55 | 11 54 | 22 23 | 22 12 | 25 38 | 9 57 | 1 8 |
| M29 | 17 27 | 3 9 | 4 46 | 17 10 | 1 42 | 21 5 | 0 49 | 23 29 | 0 53 | 18 47 | 0 56 | 16 24 | 2 9 | 21 41 | 0 1 | 15 3 | 1 47 | 7 55 | 11 54 | 22 22 | 22 11 | 25 39 | 9 57 | 1 8 |
| T 30 | 17 11 | 2n36 | 4 13 | 16 31 | 1 39 | 20 51 | 0 51 | 23 25 | 0 54 | 18 49 | 0 56 | 16 25 | 2 9 | 21 41 | 0 1 | 15 3 | 1 47 | 7 55 | 11 54 | 22 22 | 22 11 | 25 39 | 9 57 | 1 8 |
| W31 | 16n54 | 8n 4 | 3s28 | 15n52 | 1n36 | 20n36 | 0n53 | 23n20 | 0n54 | 18n50 | 0s56 | 16n25 | 2s 9 | 21s41 | 0s 1 | 15s 4 | 1n47 | 7n55 | 11s55 | 22n21 | 22n11 | 25n39 | 9n56 | 1n 8 |

Julian Day Number = 2139815.5, Delta T = 15m27s
Ecliptic obliquity = 23°33'02, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'26, Lahiri = 11°57'27 Julian Calendar 1 July 1146 == Greg. Calendar 8 July 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## AUGUST 1146 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 2 45 | 14♌16'14 | 11♉56 | 23♌31 | 3♌29 | 17♋51 | 27♉52 | 22♉39 | 7°R33 | 16♏14 | 26♉45 | 12°D 7 | 10♊48 | 8♋12 | 22°R46 | T 1 |
| F 2 | 21 6 41 | 15°14'01 | 24°10 | 25°21 | 4°43 | 18°29 | 28° 0 | 22°42 | 7♐33 | 16°14 | 26°45 | 12♊ 7 | 10°45 | 8°19 | 22♈45 | F 2 |
| S 3 | 21 10 38 | 16°11'49 | 6♊ 9 | 27°10 | 5°57 | 19° 8 | 28° 7 | 22°44 | 7°33 | 16°14 | 26°46 | 12°R 8 | 10°42 | 8°25 | 22°44 | S 3 |
| S 4 | 21 14 34 | 17° 9'39 | 18° 0 | 28°57 | 7°11 | 19°46 | 28°14 | 22°47 | 7°32 | 16°15 | 26°46 | 12° 8 | 10°38 | 8°32 | 22°44 | S 4 |
| M 5 | 21 18 31 | 18° 7'31 | 29°47 | 0♍43 | 8°26 | 20°25 | 28°22 | 22°50 | 7°32 | 16°15 | 26°47 | 12° 6 | 10°35 | 8°39 | 22°43 | M 5 |
| T 6 | 21 22 27 | 19° 5'25 | 11♋35 | 2°28 | 9°40 | 21° 3 | 28°28 | 22°53 | 7°32 | 16°15 | 26°47 | 12° 3 | 10°32 | 8°45 | 22°42 | T 6 |
| W 7 | 21 26 24 | 20° 3'21 | 23°27 | 4°11 | 10°54 | 21°42 | 28°35 | 22°55 | 7°31 | 16°16 | 26°47 | 11°56 | 10°29 | 8°52 | 22°41 | W 7 |
| T 8 | 21 30 21 | 21° 1'18 | 5♌27 | 5°53 | 12° 8 | 22°20 | 28°42 | 22°58 | 7°31 | 16°16 | 26°47 | 11°47 | 10°26 | 8°59 | 22°40 | T 8 |
| F 9 | 21 34 17 | 21°59'17 | 17°35 | 7°34 | 13°22 | 22°58 | 28°48 | 23° 0 | 7°31 | 16°17 | 26°48 | 11°36 | 10°23 | 9° 5 | 22°39 | F 9 |
| S 10 | 21 38 14 | 22°57'17 | 29°54 | 9°13 | 14°37 | 23°36 | 28°55 | 23° 2 | 7°31 | 16°18 | 26°48 | 11°23 | 10°19 | 9°12 | 22°38 | S 10 |
| S 11 | 21 42 10 | 23°55'19 | 12♍23 | 10°51 | 15°51 | 24°15 | 29° 1 | 23° 4 | 7°D31 | 16°18 | 26°48 | 11°11 | 10°16 | 9°19 | 22°37 | S 11 |
| M12 | 21 46 7 | 24°53'23 | 25° 4 | 12°28 | 17° 5 | 24°53 | 29° 7 | 23° 6 | 7°31 | 16°19 | 26°48 | 10°59 | 10°13 | 9°25 | 22°36 | M12 |
| T 13 | 21 50 3 | 25°51'28 | 7♎56 | 14° 4 | 18°20 | 25°31 | 29°13 | 23° 8 | 7°31 | 16°20 | 26°49 | 10°49 | 10°10 | 9°32 | 22°35 | T 13 |
| W14 | 21 54 0 | 26°49'34 | 21° 1 | 15°38 | 19°34 | 26° 9 | 29°18 | 23°10 | 7°31 | 16°20 | 26°49 | 10°42 | 10° 7 | 9°39 | 22°33 | W14 |
| T 15 | 21 57 56 | 27°47'42 | 4♏17 | 17°11 | 20°48 | 26°47 | 29°24 | 23°12 | 7°32 | 16°21 | 26°49 | 10°38 | 10° 3 | 9°45 | 22°32 | T 15 |
| F 16 | 22 1 53 | 28°45'52 | 17°48 | 18°43 | 22° 3 | 27°25 | 29°29 | 23°13 | 7°32 | 16°22 | 26°49 | 10°36 | 10° 0 | 9°52 | 22°31 | F 16 |
| S 17 | 22 5 50 | 29°44'03 | 1♐34 | 20°14 | 23°17 | 28° 3 | 29°34 | 23°15 | 7°32 | 16°23 | 26°49 | 10°D36 | 9°57 | 9°59 | 22°29 | S 17 |
| S 18 | 22 9 46 | 0♍42'16 | 15°35 | 21°43 | 24°32 | 28°41 | 29°39 | 23°16 | 7°33 | 16°23 | 26°49 | 10°R36 | 9°54 | 10° 5 | 22°28 | S 18 |
| M19 | 22 13 43 | 1°40'30 | 29°52 | 23°11 | 25°46 | 29°19 | 29°44 | 23°17 | 7°33 | 16°24 | 26°49 | 10°35 | 9°51 | 10°12 | 22°26 | M19 |
| T 20 | 22 17 39 | 2°38'46 | 14♑23 | 24°38 | 27° 1 | 29°57 | 29°49 | 23°18 | 7°33 | 16°25 | 26°49 | 10°32 | 9°48 | 10°19 | 22°25 | T 20 |
| W21 | 22 21 36 | 3°37'03 | 29° 5 | 26° 3 | 28°15 | 0♌35 | 29°53 | 23°19 | 7°34 | 16°26 | 26°R49 | 10°26 | 9°44 | 10°25 | 22°23 | W21 |
| T 22 | 22 25 32 | 4°35'22 | 13♒51 | 27°28 | 29°30 | 1°12 | 29°58 | 23°20 | 7°35 | 16°27 | 26°49 | 10°18 | 9°41 | 10°32 | 22°21 | T 22 |
| F 23 | 22 29 29 | 5°33'43 | 28°34 | 28°50 | 0♍44 | 1°50 | 0♊ 2 | 23°21 | 7°35 | 16°28 | 26°49 | 10° 7 | 9°38 | 10°39 | 22°20 | F 23 |
| S 24 | 22 33 25 | 6°32'05 | 13♓ 5 | 0♎12 | 1°59 | 2°28 | 0° 6 | 23°22 | 7°36 | 16°29 | 26°49 | 9°56 | 9°35 | 10°45 | 22°18 | S 24 |
| S 25 | 22 37 22 | 7°30'30 | 27°19 | 1°32 | 3°14 | 3° 6 | 0°10 | 23°23 | 7°37 | 16°30 | 26°49 | 9°44 | 9°32 | 10°52 | 22°16 | S 25 |
| M26 | 22 41 19 | 8°28'56 | 11♈ 9 | 2°51 | 4°28 | 3°43 | 0°13 | 23°23 | 7°37 | 16°31 | 26°49 | 9°34 | 9°29 | 10°59 | 22°14 | M26 |
| T 27 | 22 45 15 | 9°27'24 | 24°32 | 4° 8 | 5°43 | 4°21 | 0°17 | 23°23 | 7°38 | 16°32 | 26°49 | 9°26 | 9°25 | 11° 5 | 22°13 | T 27 |
| W28 | 22 49 12 | 10°25'55 | 7♉30 | 5°23 | 6°57 | 4°58 | 0°20 | 23°24 | 7°39 | 16°33 | 26°49 | 9°21 | 9°22 | 11°12 | 22°11 | W28 |
| T 29 | 22 53 8 | 11°24'28 | 20° 5 | 6°37 | 8°12 | 5°36 | 0°23 | 23°24 | 7°40 | 16°35 | 26°48 | 9°19 | 9°19 | 11°19 | 22° 9 | T 29 |
| F 30 | 22 57 5 | 12°23'03 | 2♊20 | 7°50 | 9°27 | 6°14 | 0°26 | 23°R24 | 7°41 | 16°36 | 26°48 | 9°18 | 9°16 | 11°25 | 22° 7 | F 30 |
| S 31 | 23 1 1 | 13♍21'40 | 14♊21 | 9♎ 0 | 10♍42 | 6♌51 | 0♊28 | 23♉24 | 7♐42 | 16♏37 | 26♉48 | 9♊18 | 9♊13 | 11♋32 | 22♈ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n37 | 13n 2 | 2s34 | 15n12 | 1n33 | 20n21 | 0n55 | 23n16 | 0n55 | 18n52 | 0s56 | 16n26 | 2s 9 | 21s41 | 0s 1 | 15s 4 | 1n47 | 7n55 | 11s55 | 22n21 | 22n10 | 25n40 | 9n56 | 1n 8 |
| F 2 | 16 21 | 17 22 | 1 35 | 14 31 | 1 29 | 20 5 | 0 57 | 23 11 | 0 55 | 18 54 | 0 56 | 16 27 | 2 9 | 21 41 | 0 1 | 15 4 | 1 47 | 7 55 | 11 55 | 22 21 | 22 10 | 25 40 | 9 56 | 1 7 |
| S 3 | 16 3 | 20 55 | 0 32 | 13 50 | 1 24 | 19 49 | 0 58 | 23 6 | 0 56 | 18 55 | 0 56 | 16 27 | 2 10 | 21 41 | 0 1 | 15 4 | 1 47 | 7 55 | 11 55 | 22 21 | 22 9 | 25 41 | 9 56 | 1 7 |
| S 4 | 15 46 | 23 32 | 0n31 | 13 8 | 1 20 | 19 32 | 1 0 | 23 1 | 0 56 | 18 57 | 0 56 | 16 28 | 2 10 | 21 41 | 0 1 | 15 4 | 1 47 | 7 55 | 11 55 | 22 21 | 22 9 | 25 41 | 9 55 | 1 7 |
| M 5 | 15 28 | 25 6 | 1 33 | 12 26 | 1 14 | 19 14 | 1 2 | 22 56 | 0 57 | 18 58 | 0 56 | 16 28 | 2 10 | 21 41 | 0 1 | 15 4 | 1 47 | 7 54 | 11 56 | 22 21 | 22 8 | 25 41 | 9 55 | 1 7 |
| T 6 | 15 10 | 25 32 | 2 30 | 11 43 | 1 9 | 18 56 | 1 3 | 22 50 | 0 57 | 19 0 | 0 56 | 16 29 | 2 10 | 21 41 | 0 1 | 15 5 | 1 47 | 7 54 | 11 56 | 22 20 | 22 8 | 25 42 | 9 55 | 1 7 |
| W 7 | 14 52 | 24 48 | 3 21 | 11 0 | 1 3 | 18 37 | 1 5 | 22 45 | 0 58 | 19 1 | 0 56 | 16 29 | 2 10 | 21 41 | 0 1 | 15 5 | 1 47 | 7 54 | 11 56 | 22 20 | 22 7 | 25 42 | 9 54 | 1 7 |
| T 8 | 14 33 | 22 56 | 4 4 | 10 17 | 0 57 | 18 18 | 1 6 | 22 39 | 0 58 | 19 3 | 0 57 | 16 30 | 2 11 | 21 41 | 0 1 | 15 5 | 1 47 | 7 54 | 11 56 | 22 18 | 22 7 | 25 42 | 9 54 | 1 7 |
| F 9 | 14 15 | 20 0 | 4 36 | 9 33 | 0 51 | 17 58 | 1 8 | 22 33 | 0 59 | 19 4 | 0 57 | 16 30 | 2 11 | 21 41 | 0 1 | 15 5 | 1 46 | 7 54 | 11 56 | 22 17 | 22 6 | 25 43 | 9 54 | 1 7 |
| S 10 | 13 56 | 16 10 | 4 55 | 8 50 | 0 44 | 17 38 | 1 9 | 22 27 | 0 59 | 19 5 | 0 57 | 16 30 | 2 11 | 21 41 | 0 1 | 15 5 | 1 46 | 7 54 | 11 57 | 22 15 | 22 6 | 25 43 | 9 53 | 1 7 |
| S 11 | 13 37 | 11 35 | 5 1 | 8 6 | 0 38 | 17 17 | 1 11 | 22 21 | 1 0 | 19 6 | 0 57 | 16 31 | 2 11 | 21 41 | 0 1 | 15 6 | 1 46 | 7 54 | 11 57 | 22 13 | 22 6 | 25 43 | 9 53 | 1 7 |
| M12 | 13 17 | 6 26 | 4 52 | 7 23 | 0 31 | 16 56 | 1 12 | 22 14 | 1 0 | 19 8 | 0 57 | 16 31 | 2 11 | 21 41 | 0 1 | 15 6 | 1 46 | 7 53 | 11 57 | 22 12 | 22 5 | 25 43 | 9 52 | 1 7 |
| T 13 | 12 58 | 0 57 | 4 29 | 6 39 | 0 23 | 16 34 | 1 13 | 22 8 | 1 1 | 19 9 | 0 57 | 16 31 | 2 11 | 21 41 | 0 1 | 15 6 | 1 46 | 7 53 | 11 57 | 22 10 | 22 5 | 25 44 | 9 52 | 1 7 |
| W14 | 12 38 | 4s40 | 3 51 | 5 56 | 0 16 | 16 12 | 1 14 | 22 1 | 1 1 | 19 10 | 0 57 | 16 32 | 2 12 | 21 41 | 0 1 | 15 6 | 1 46 | 7 53 | 11 58 | 22 9 | 22 4 | 25 44 | 9 51 | 1 7 |
| T 15 | 12 18 | 10 11 | 3 0 | 5 13 | 0 8 | 15 49 | 1 15 | 21 54 | 1 2 | 19 11 | 0 57 | 16 32 | 2 12 | 21 41 | 0 1 | 15 7 | 1 46 | 7 53 | 11 58 | 22 9 | 22 4 | 25 44 | 9 51 | 1 7 |
| F 16 | 11 57 | 15 20 | 1 58 | 4 30 | 0 1 | 15 26 | 1 16 | 21 47 | 1 2 | 19 12 | 0 57 | 16 32 | 2 12 | 21 41 | 0 1 | 15 7 | 1 46 | 7 53 | 11 58 | 22 8 | 22 3 | 25 45 | 9 50 | 1 7 |
| S 17 | 11 37 | 19 47 | 0 48 | 3 47 | 0s 7 | 15 2 | 1 17 | 21 40 | 1 3 | 19 13 | 0 57 | 16 32 | 2 12 | 21 41 | 0 1 | 15 7 | 1 46 | 7 52 | 11 58 | 22 8 | 22 3 | 25 45 | 9 50 | 1 7 |
| S 18 | 11 16 | 23 12 | 0s26 | 3 4 | 0 15 | 14 38 | 1 18 | 21 33 | 1 3 | 19 14 | 0 57 | 16 32 | 2 12 | 21 41 | 0 1 | 15 8 | 1 46 | 7 52 | 11 58 | 22 8 | 22 2 | 25 45 | 9 49 | 1 7 |
| M19 | 10 56 | 25 13 | 1 40 | 2 22 | 0 23 | 14 14 | 1 19 | 21 26 | 1 4 | 19 15 | 0 58 | 16 33 | 2 13 | 21 41 | 0 1 | 15 8 | 1 46 | 7 52 | 11 59 | 22 8 | 22 2 | 25 45 | 9 49 | 1 7 |
| T 20 | 10 35 | 25 34 | 2 48 | 1 40 | 0 31 | 13 49 | 1 20 | 21 18 | 1 4 | 19 16 | 0 58 | 16 33 | 2 13 | 21 41 | 0 1 | 15 8 | 1 46 | 7 52 | 11 59 | 22 8 | 22 1 | 25 45 | 9 48 | 1 7 |
| W21 | 10 14 | 24 8 | 3 46 | 0 59 | 0 39 | 13 24 | 1 21 | 21 10 | 1 5 | 19 17 | 0 58 | 16 33 | 2 13 | 21 41 | 0 1 | 15 8 | 1 46 | 7 52 | 11 59 | 22 7 | 22 1 | 25 46 | 9 47 | 1 7 |
| T 22 | 9 52 | 21 3 | 4 29 | 0 17 | 0 47 | 12 58 | 1 22 | 21 2 | 1 5 | 19 18 | 0 58 | 16 33 | 2 13 | 21 41 | 0 1 | 15 9 | 1 46 | 7 51 | 11 59 | 22 6 | 22 0 | 25 46 | 9 47 | 1 7 |
| F 23 | 9 31 | 16 37 | 4 54 | 0s23 | 0 56 | 12 33 | 1 22 | 20 54 | 1 6 | 19 19 | 0 58 | 16 33 | 2 13 | 21 41 | 0 1 | 15 9 | 1 46 | 7 51 | 12 0 | 22 4 | 22 0 | 25 46 | 9 46 | 1 7 |
| S 24 | 9 9 | 11 17 | 5 0 | 1 3 | 1 4 | 12 6 | 1 23 | 20 46 | 1 6 | 19 19 | 0 58 | 16 33 | 2 14 | 21 42 | 0 1 | 15 9 | 1 46 | 7 51 | 12 0 | 22 3 | 21 59 | 25 46 | 9 45 | 1 7 |
| S 25 | 8 48 | 5 27 | 4 47 | 1 43 | 1 12 | 11 40 | 1 23 | 20 38 | 1 6 | 19 20 | 0 58 | 16 33 | 2 14 | 21 42 | 0 1 | 15 10 | 1 45 | 7 51 | 12 0 | 22 1 | 21 59 | 25 47 | 9 45 | 1 7 |
| M26 | 8 26 | 0n30 | 4 17 | 2 22 | 1 21 | 11 13 | 1 24 | 20 30 | 1 7 | 19 21 | 0 58 | 16 33 | 2 14 | 21 42 | 0 1 | 15 10 | 1 45 | 7 51 | 12 0 | 21 59 | 21 58 | 25 47 | 9 44 | 1 7 |
| T 27 | 8 4 | 6 15 | 3 33 | 3 0 | 1 29 | 10 46 | 1 24 | 20 21 | 1 7 | 19 21 | 0 58 | 16 33 | 2 14 | 21 42 | 0 1 | 15 11 | 1 45 | 7 50 | 12 0 | 21 58 | 21 58 | 25 47 | 9 43 | 1 7 |
| W28 | 7 41 | 11 34 | 2 40 | 3 38 | 1 37 | 10 18 | 1 24 | 20 13 | 1 8 | 19 22 | 0 58 | 16 32 | 2 14 | 21 42 | 0 1 | 15 11 | 1 45 | 7 50 | 12 1 | 21 57 | 21 58 | 25 47 | 9 43 | 1 7 |
| T 29 | 7 19 | 16 14 | 1 40 | 4 15 | 1 45 | 9 50 | 1 25 | 20 4 | 1 8 | 19 22 | 0 58 | 16 32 | 2 15 | 21 42 | 0 1 | 15 11 | 1 45 | 7 50 | 12 1 | 21 57 | 21 57 | 25 47 | 9 42 | 1 7 |
| F 30 | 6 57 | 20 7 | 0 37 | 4 51 | 1 53 | 9 22 | 1 25 | 19 55 | 1 9 | 19 23 | 0 59 | 16 32 | 2 15 | 21 42 | 0 1 | 15 12 | 1 45 | 7 50 | 12 1 | 21 57 | 21 57 | 25 47 | 9 41 | 1 7 |
| S 31 | 6n34 | 23n 4 | 0n27 | 5s27 | 2s 1 | 8n54 | 1n25 | 19n46 | 1n 9 | 19n23 | 0s59 | 16n32 | 2s15 | 21s43 | 0s 1 | 15s12 | 1n45 | 7n49 | 12s 1 | 21n57 | 21n56 | 25n48 | 9n40 | 1n 7 |

Julian Day Number = 2139846.5, Delta T = 15m27s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'31, Lahiri = 11°57'31 Julian Calendar 1 Aug. 1146 == Greg. Calendar 8 Aug. 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## SEPTEMBER 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 4 58 | 14♍20'20 | 26♊12 | 10♎ 9 | 11♍56 | 7♌28 | 0♊31 | 23°R24 | 7♐43 | 16♏38 | 26°R48 | 9°R17 | 9♊ 9 | 11♋39 | 22°R 3 | S 1 |
| M 2 | 23 8 54 | 15°19'02 | 8♋ 1 | 11°16 | 13°11 | 8° 6 | 0°33 | 23♉24 | 7°44 | 16°40 | 26♉48 | 9♊16 | 9° 6 | 11°45 | 22♈ 0 | M 2 |
| T 3 | 23 12 51 | 16°17'46 | 19°51 | 12°20 | 14°26 | 8°43 | 0°35 | 23°23 | 7°45 | 16°41 | 26°47 | 9°12 | 9° 3 | 11°52 | 21°58 | T 3 |
| W 4 | 23 16 48 | 17°16'32 | 1♌47 | 13°22 | 15°41 | 9°21 | 0°37 | 23°23 | 7°46 | 16°42 | 26°47 | 9° 5 | 9° 0 | 11°59 | 21°56 | W 4 |
| T 5 | 23 20 44 | 18°15'21 | 13°53 | 14°22 | 16°56 | 9°58 | 0°39 | 23°22 | 7°48 | 16°43 | 26°47 | 8°56 | 8°57 | 12° 5 | 21°54 | T 5 |
| F 6 | 23 24 41 | 19°14'12 | 26°12 | 15°19 | 18°11 | 10°35 | 0°40 | 23°21 | 7°49 | 16°45 | 26°46 | 8°44 | 8°54 | 12°12 | 21°52 | F 6 |
| S 7 | 23 28 37 | 20°13'04 | 8♍44 | 16°14 | 19°25 | 11°12 | 0°41 | 23°21 | 7°50 | 16°46 | 26°46 | 8°31 | 8°50 | 12°19 | 21°49 | S 7 |
| S 8 | 23 32 34 | 21°11'59 | 21°31 | 17° 5 | 20°40 | 11°50 | 0°43 | 23°20 | 7°52 | 16°48 | 26°46 | 8°18 | 8°47 | 12°25 | 21°47 | S 8 |
| M 9 | 23 36 30 | 22°10'56 | 4♎32 | 17°53 | 21°55 | 12°27 | 0°43 | 23°19 | 7°53 | 16°49 | 26°45 | 8° 6 | 8°44 | 12°32 | 21°44 | M 9 |
| T 10 | 23 40 27 | 23° 9'55 | 17°46 | 18°38 | 23°10 | 13° 4 | 0°44 | 23°17 | 7°55 | 16°51 | 26°45 | 7°56 | 8°41 | 12°39 | 21°42 | T 10 |
| W11 | 23 44 23 | 24° 8'56 | 1♏10 | 19°18 | 24°25 | 13°41 | 0°45 | 23°16 | 7°56 | 16°52 | 26°45 | 7°48 | 8°38 | 12°45 | 21°40 | W11 |
| T 12 | 23 48 20 | 25° 7'59 | 14°45 | 19°54 | 25°40 | 14°18 | 0°45 | 23°15 | 7°58 | 16°54 | 26°44 | 7°44 | 8°34 | 12°52 | 21°37 | T 12 |
| F 13 | 23 52 16 | 26° 7'04 | 28°28 | 20°26 | 26°55 | 14°55 | 0°R45 | 23°13 | 8° 0 | 16°55 | 26°44 | 7°42 | 8°31 | 12°59 | 21°35 | F 13 |
| S 14 | 23 56 13 | 27° 6'10 | 12♐20 | 20°53 | 28°10 | 15°32 | 0°45 | 23°12 | 8° 1 | 16°57 | 26°43 | 7°D42 | 8°28 | 13° 5 | 21°32 | S 14 |
| S 15 | 0 0 10 | 28° 5'19 | 26°19 | 21°14 | 29°25 | 16° 9 | 0°45 | 23°10 | 8° 3 | 16°59 | 26°43 | 7°R42 | 8°25 | 13°12 | 21°30 | S 15 |
| M16 | 0 4 6 | 29° 4'29 | 10♑27 | 21°29 | 0♎40 | 16°46 | 0°44 | 23° 8 | 8° 5 | 17° 0 | 26°42 | 7°42 | 8°22 | 13°19 | 21°27 | M16 |
| T 17 | 0 8 3 | 0♎ 3'41 | 24°41 | 21°38 | 1°55 | 17°22 | 0°43 | 23° 7 | 8° 7 | 17° 2 | 26°42 | 7°39 | 8°19 | 13°25 | 21°24 | T 17 |
| W18 | 0 11 59 | 1° 2'55 | 9♒ 0 | 21°R41 | 3°10 | 17°59 | 0°42 | 23° 5 | 8° 9 | 17° 3 | 26°41 | 7°35 | 8°15 | 13°32 | 21°22 | W18 |
| T 19 | 0 15 56 | 2° 2'10 | 23°20 | 21°36 | 4°25 | 18°36 | 0°41 | 23° 2 | 8°11 | 17° 5 | 26°40 | 7°27 | 8°12 | 13°39 | 21°19 | T 19 |
| F 20 | 0 19 52 | 3° 1'27 | 7♓37 | 21°23 | 5°40 | 19°13 | 0°40 | 23° 0 | 8°13 | 17° 7 | 26°40 | 7°18 | 8° 9 | 13°45 | 21°16 | F 20 |
| S 21 | 0 23 49 | 4° 0'47 | 21°45 | 21° 2 | 6°55 | 19°49 | 0°38 | 22°58 | 8°15 | 17° 9 | 26°39 | 7° 8 | 8° 6 | 13°52 | 21°14 | S 21 |
| S 22 | 0 27 45 | 5° 0'08 | 5♈39 | 20°33 | 8°10 | 20°26 | 0°37 | 22°56 | 8°17 | 17°10 | 26°39 | 6°57 | 8° 3 | 13°59 | 21°11 | S 22 |
| M23 | 0 31 42 | 5°59'31 | 19°15 | 19°56 | 9°25 | 21° 2 | 0°35 | 22°53 | 8°19 | 17°12 | 26°38 | 6°48 | 8° 0 | 14° 5 | 21° 8 | M23 |
| T 24 | 0 35 39 | 6°58'57 | 2♉29 | 19°11 | 10°40 | 21°39 | 0°33 | 22°51 | 8°21 | 17°14 | 26°37 | 6°41 | 7°56 | 14°12 | 21° 6 | T 24 |
| W25 | 0 39 35 | 7°58'25 | 15°22 | 18°18 | 11°55 | 22°15 | 0°30 | 22°48 | 8°23 | 17°16 | 26°37 | 6°37 | 7°53 | 14°19 | 21° 3 | W25 |
| T 26 | 0 43 32 | 8°57'55 | 27°55 | 17°18 | 13°10 | 22°52 | 0°28 | 22°45 | 8°25 | 17°18 | 26°36 | 6°34 | 7°50 | 14°25 | 21° 0 | T 26 |
| F 27 | 0 47 28 | 9°57'27 | 10♊10 | 16°12 | 14°25 | 23°28 | 0°25 | 22°42 | 8°28 | 17°20 | 26°35 | 6°D34 | 7°47 | 14°32 | 20°57 | F 27 |
| S 28 | 0 51 25 | 10°57'02 | 22°12 | 15° 1 | 15°40 | 24° 5 | 0°22 | 22°39 | 8°30 | 17°21 | 26°34 | 6°35 | 7°44 | 14°39 | 20°54 | S 28 |
| S 29 | 0 55 21 | 11°56'39 | 4♋ 5 | 13°48 | 16°55 | 24°41 | 0°19 | 22°36 | 8°32 | 17°23 | 26°34 | 6°36 | 7°40 | 14°45 | 20°52 | S 29 |
| M30 | 0 59 18 | 12♎56'18 | 15♋54 | 12♎34 | 18♎10 | 25♌17 | 0♊16 | 22♉33 | 8♐35 | 17♏25 | 26♉33 | 6°R36 | 7♊37 | 14♋52 | 20♈49 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n12 | 24n58 | 1n28 | 6s 1 | 2s 9 | 8n25 | 1n25 | 19n37 | 1n10 | 19n24 | 0s59 | 16n32 | 2s15 | 21s43 | 0s 1 | 15s13 | 1n45 | 7n49 | 12s 1 | 21n57 | 21n56 | 25n48 | 9n39 | 1n 7 |
| M 2 | 5 49 | 25 44 | 2 26 | 6 34 | 2 17 | 7 57 | 1 25 | 19 27 | 1 10 | 19 24 | 0 59 | 16 32 | 2 15 | 21 43 | 0 1 | 15 13 | 1 45 | 7 49 | 12 2 | 21 57 | 21 55 | 25 48 | 9 39 | 1 7 |
| T 3 | 5 26 | 25 19 | 3 17 | 7 7 | 2 25 | 7 28 | 1 25 | 19 18 | 1 11 | 19 25 | 0 59 | 16 31 | 2 15 | 21 43 | 0 1 | 15 13 | 1 45 | 7 49 | 12 2 | 21 56 | 21 55 | 25 48 | 9 38 | 1 7 |
| W 4 | 5 3 | 23 45 | 4 0 | 7 38 | 2 32 | 6 58 | 1 25 | 19 9 | 1 11 | 19 25 | 0 59 | 16 31 | 2 16 | 21 43 | 0 1 | 15 14 | 1 45 | 7 48 | 12 2 | 21 55 | 21 54 | 25 48 | 9 37 | 1 7 |
| T 5 | 4 40 | 21 5 | 4 33 | 8 8 | 2 39 | 6 29 | 1 24 | 18 59 | 1 12 | 19 25 | 0 59 | 16 31 | 2 16 | 21 44 | 0 1 | 15 14 | 1 45 | 7 48 | 12 2 | 21 53 | 21 54 | 25 48 | 9 36 | 1 7 |
| F 6 | 4 17 | 17 26 | 4 54 | 8 37 | 2 46 | 5 59 | 1 24 | 18 49 | 1 12 | 19 25 | 0 59 | 16 30 | 2 16 | 21 44 | 0 1 | 15 15 | 1 45 | 7 48 | 12 2 | 21 52 | 21 53 | 25 48 | 9 35 | 1 7 |
| S 7 | 3 54 | 12 58 | 5 1 | 9 4 | 2 53 | 5 29 | 1 24 | 18 39 | 1 13 | 19 26 | 0 59 | 16 30 | 2 16 | 21 44 | 0 1 | 15 15 | 1 45 | 7 47 | 12 3 | 21 50 | 21 53 | 25 49 | 9 34 | 1 7 |
| S 8 | 3 30 | 7 51 | 4 53 | 9 30 | 2 59 | 4 59 | 1 23 | 18 29 | 1 13 | 19 26 | 0 59 | 16 30 | 2 16 | 21 44 | 0 1 | 15 16 | 1 45 | 7 47 | 12 3 | 21 48 | 21 52 | 25 49 | 9 33 | 1 7 |
| M 9 | 3 7 | 2 19 | 4 30 | 9 54 | 3 5 | 4 29 | 1 23 | 18 19 | 1 13 | 19 26 | 0 59 | 16 29 | 2 17 | 21 45 | 0 1 | 15 16 | 1 45 | 7 47 | 12 3 | 21 46 | 21 52 | 25 49 | 9 32 | 1 7 |
| T 10 | 2 44 | 3s26 | 3 52 | 10 16 | 3 11 | 3 59 | 1 22 | 18 9 | 1 14 | 19 26 | 0 59 | 16 29 | 2 17 | 21 45 | 0 1 | 15 17 | 1 45 | 7 47 | 12 3 | 21 44 | 21 51 | 25 49 | 9 31 | 1 6 |
| W11 | 2 20 | 9 7 | 3 1 | 10 37 | 3 16 | 3 29 | 1 22 | 17 59 | 1 14 | 19 26 | 1 0 | 16 28 | 2 17 | 21 45 | 0 1 | 15 17 | 1 45 | 7 46 | 12 3 | 21 43 | 21 51 | 25 49 | 9 30 | 1 6 |
| T 12 | 1 57 | 14 27 | 1 59 | 10 55 | 3 21 | 2 58 | 1 21 | 17 49 | 1 15 | 19 26 | 1 0 | 16 28 | 2 17 | 21 45 | 0 1 | 15 17 | 1 45 | 7 46 | 12 4 | 21 42 | 21 50 | 25 49 | 9 29 | 1 6 |
| F 13 | 1 33 | 19 7 | 0 49 | 11 10 | 3 25 | 2 28 | 1 20 | 17 38 | 1 15 | 19 26 | 1 0 | 16 27 | 2 17 | 21 46 | 0 1 | 15 18 | 1 44 | 7 46 | 12 4 | 21 42 | 21 50 | 25 49 | 9 28 | 1 6 |
| S 14 | 1 9 | 22 47 | 0s25 | 11 24 | 3 28 | 1 57 | 1 20 | 17 28 | 1 16 | 19 26 | 1 0 | 16 27 | 2 17 | 21 46 | 0 1 | 15 18 | 1 44 | 7 46 | 12 4 | 21 42 | 21 49 | 25 49 | 9 27 | 1 6 |
| S 15 | 0 46 | 25 7 | 1 37 | 11 34 | 3 31 | 1 26 | 1 19 | 17 17 | 1 16 | 19 26 | 1 0 | 16 26 | 2 18 | 21 46 | 0 1 | 15 19 | 1 44 | 7 45 | 12 4 | 21 42 | 21 49 | 25 49 | 9 26 | 1 6 |
| M16 | 0 22 | 25 53 | 2 45 | 11 42 | 3 32 | 0 56 | 1 18 | 17 6 | 1 17 | 19 25 | 1 0 | 16 25 | 2 18 | 21 46 | 0 1 | 15 19 | 1 44 | 7 45 | 12 4 | 21 42 | 21 48 | 25 49 | 9 25 | 1 6 |
| T 17 | 0s 1 | 24 56 | 3 43 | 11 46 | 3 33 | 0 25 | 1 17 | 16 55 | 1 17 | 19 25 | 1 0 | 16 25 | 2 18 | 21 47 | 0 1 | 15 20 | 1 44 | 7 45 | 12 5 | 21 41 | 21 48 | 25 49 | 9 24 | 1 6 |
| W18 | 0 25 | 22 22 | 4 27 | 11 46 | 3 33 | 0s 6 | 1 16 | 16 44 | 1 18 | 19 25 | 1 0 | 16 24 | 2 18 | 21 47 | 0 1 | 15 20 | 1 44 | 7 44 | 12 5 | 21 41 | 21 47 | 25 49 | 9 23 | 1 6 |
| T 19 | 0 49 | 18 25 | 4 54 | 11 43 | 3 31 | 0 37 | 1 15 | 16 33 | 1 18 | 19 25 | 1 0 | 16 23 | 2 18 | 21 47 | 0 1 | 15 21 | 1 44 | 7 44 | 12 5 | 21 39 | 21 47 | 25 49 | 9 22 | 1 6 |
| F 20 | 1 12 | 13 26 | 5 3 | 11 35 | 3 28 | 1 8 | 1 14 | 16 22 | 1 18 | 19 24 | 1 0 | 16 23 | 2 18 | 21 48 | 0 1 | 15 22 | 1 44 | 7 44 | 12 5 | 21 38 | 21 46 | 25 49 | 9 21 | 1 6 |
| S 21 | 1 36 | 7 46 | 4 53 | 11 23 | 3 24 | 1 39 | 1 13 | 16 11 | 1 19 | 19 24 | 1 0 | 16 22 | 2 18 | 21 48 | 0 1 | 15 22 | 1 44 | 7 43 | 12 5 | 21 36 | 21 46 | 25 49 | 9 20 | 1 6 |
| S 22 | 2 0 | 1 49 | 4 26 | 11 7 | 3 18 | 2 10 | 1 11 | 16 0 | 1 19 | 19 23 | 1 0 | 16 21 | 2 19 | 21 48 | 0 1 | 15 23 | 1 44 | 7 43 | 12 5 | 21 34 | 21 45 | 25 49 | 9 19 | 1 6 |
| M23 | 2 23 | 4n 6 | 3 45 | 10 45 | 3 10 | 2 41 | 1 10 | 15 49 | 1 20 | 19 23 | 1 0 | 16 21 | 2 19 | 21 49 | 0 1 | 15 23 | 1 44 | 7 43 | 12 6 | 21 33 | 21 45 | 25 49 | 9 18 | 1 6 |
| T 24 | 2 47 | 9 42 | 2 52 | 10 19 | 3 0 | 3 11 | 1 9 | 15 37 | 1 20 | 19 22 | 1 0 | 16 20 | 2 19 | 21 49 | 0 1 | 15 24 | 1 44 | 7 43 | 12 6 | 21 32 | 21 44 | 25 49 | 9 17 | 1 6 |
| W25 | 3 11 | 14 45 | 1 51 | 9 48 | 2 49 | 3 42 | 1 7 | 15 26 | 1 21 | 19 22 | 1 1 | 16 19 | 2 19 | 21 49 | 0 1 | 15 24 | 1 44 | 7 42 | 12 6 | 21 31 | 21 44 | 25 49 | 9 16 | 1 6 |
| T 26 | 3 34 | 19 2 | 0 46 | 9 13 | 2 35 | 4 13 | 1 6 | 15 14 | 1 21 | 19 21 | 1 1 | 16 18 | 2 19 | 21 50 | 0 1 | 15 25 | 1 44 | 7 42 | 12 6 | 21 30 | 21 43 | 25 49 | 9 15 | 1 6 |
| F 27 | 3 58 | 22 24 | 0n19 | 8 33 | 2 20 | 4 43 | 1 4 | 15 3 | 1 22 | 19 21 | 1 1 | 16 17 | 2 19 | 21 50 | 0 1 | 15 25 | 1 44 | 7 42 | 12 6 | 21 30 | 21 43 | 25 49 | 9 14 | 1 6 |
| S 28 | 4 21 | 24 42 | 1 23 | 7 50 | 2 3 | 5 14 | 1 3 | 14 51 | 1 22 | 19 20 | 1 1 | 16 16 | 2 19 | 21 51 | 0 1 | 15 26 | 1 44 | 7 41 | 12 6 | 21 31 | 21 42 | 25 49 | 9 13 | 1 6 |
| S 29 | 4 45 | 25 51 | 2 22 | 7 5 | 1 45 | 5 44 | 1 1 | 14 39 | 1 23 | 19 19 | 1 1 | 16 16 | 2 20 | 21 51 | 0 1 | 15 26 | 1 44 | 7 41 | 12 7 | 21 31 | 21 42 | 25 49 | 9 11 | 1 5 |
| M30 | 5s 8 | 25n50 | 3n15 | 6s18 | 1s26 | 6s15 | 0n59 | 14n27 | 1n23 | 19n19 | 1s 1 | 16n15 | 2s20 | 21s51 | 0s 1 | 15s27 | 1n44 | 7n41 | 12s 7 | 21n31 | 21n41 | 25n49 | 9n10 | 1n 5 |

Julian Day Number = 2139877.5, Delta T = 15m27s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'35, Lahiri = 11°57'35 Julian Calendar 1 Sept. 1146 == Greg. Calendar 8 Sept. 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## OCTOBER 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 3 14 | 13♎56'00 | 27♋45 | 11°R21 | 19♎26 | 25♌54 | 0°R12 | 22°R30 | 8♐37 | 17♏27 | 26°R32 | 6°R35 | 7♊34 | 14♋59 | 20°R46 | T 1 |
| W 2 | 1 7 11 | 14°55'44 | 9♌44 | 10♎11 | 20°41 | 26°30 | 0♊ 9 | 22♉27 | 8°40 | 17°29 | 26♉31 | 6♊32 | 7°31 | 15° 6 | 20♈43 | W 2 |
| T 3 | 1 11 8 | 15°55'30 | 21°53 | 9° 8 | 21°56 | 27° 6 | 0° 5 | 22°23 | 8°42 | 17°31 | 26°30 | 6°26 | 7°28 | 15°12 | 20°40 | T 3 |
| F 4 | 1 15 4 | 16°55'18 | 4♍18 | 8°11 | 23°11 | 27°42 | 0° 1 | 22°20 | 8°45 | 17°33 | 26°30 | 6°19 | 7°25 | 15°19 | 20°37 | F 4 |
| S 5 | 1 19 1 | 17°55'09 | 17° 1 | 7°24 | 24°26 | 28°18 | 29♉57 | 22°16 | 8°47 | 17°35 | 26°29 | 6°11 | 7°21 | 15°26 | 20°34 | S 5 |
| S 6 | 1 22 57 | 18°55'01 | 0♎ 2 | 6°47 | 25°41 | 28°54 | 29°52 | 22°13 | 8°50 | 17°37 | 26°28 | 6° 2 | 7°18 | 15°32 | 20°32 | S 6 |
| M 7 | 1 26 54 | 19°54'56 | 13°22 | 6°21 | 26°56 | 29°30 | 29°47 | 22° 9 | 8°53 | 17°39 | 26°27 | 5°54 | 7°15 | 15°39 | 20°29 | M 7 |
| T 8 | 1 30 50 | 20°54'53 | 26°58 | 6° 6 | 28°12 | 0♍ 6 | 29°43 | 22° 5 | 8°55 | 17°41 | 26°26 | 5°47 | 7°12 | 15°46 | 20°26 | T 8 |
| W 9 | 1 34 47 | 21°54'51 | 10♏48 | 6°D 3 | 29°27 | 0°42 | 29°38 | 22° 1 | 8°58 | 17°43 | 26°25 | 5°42 | 7° 9 | 15°52 | 20°23 | W 9 |
| T 10 | 1 38 43 | 22°54'52 | 24°48 | 6°11 | 0♏42 | 1°18 | 29°33 | 21°57 | 9° 1 | 17°45 | 26°24 | 5°40 | 7° 5 | 15°59 | 20°20 | T 10 |
| F 11 | 1 42 40 | 23°54'55 | 8♐55 | 6°30 | 1°57 | 1°53 | 29°27 | 21°53 | 9° 4 | 17°48 | 26°23 | 5°D39 | 7° 2 | 16° 6 | 20°17 | F 11 |
| S 12 | 1 46 37 | 24°54'59 | 23° 6 | 6°58 | 3°12 | 2°29 | 29°22 | 21°49 | 9° 6 | 17°50 | 26°22 | 5°40 | 6°59 | 16°12 | 20°14 | S 12 |
| S 13 | 1 50 33 | 25°55'05 | 7♑17 | 7°36 | 4°27 | 3° 5 | 29°16 | 21°45 | 9° 9 | 17°52 | 26°21 | 5°42 | 6°56 | 16°19 | 20°12 | S 13 |
| M14 | 1 54 30 | 26°55'12 | 21°28 | 8°22 | 5°43 | 3°40 | 29°11 | 21°41 | 9°12 | 17°54 | 26°21 | 5°R43 | 6°53 | 16°26 | 20° 9 | M14 |
| T 15 | 1 58 26 | 27°55'21 | 5♒36 | 9°15 | 6°58 | 4°16 | 29° 5 | 21°37 | 9°15 | 17°56 | 26°20 | 5°43 | 6°50 | 16°32 | 20° 6 | T 15 |
| W16 | 2 2 23 | 28°55'32 | 19°40 | 10°15 | 8°13 | 4°51 | 28°59 | 21°33 | 9°18 | 17°58 | 26°19 | 5°41 | 6°46 | 16°39 | 20° 3 | W16 |
| T 17 | 2 6 19 | 29°55'44 | 3♓37 | 11°21 | 9°28 | 5°27 | 28°52 | 21°28 | 9°21 | 18° 0 | 26°18 | 5°37 | 6°43 | 16°46 | 20° 0 | T 17 |
| F 18 | 2 10 16 | 0♏55'57 | 17°27 | 12°31 | 10°43 | 6° 2 | 28°46 | 21°24 | 9°24 | 18° 3 | 26°17 | 5°33 | 6°40 | 16°52 | 19°57 | F 18 |
| S 19 | 2 14 12 | 1°56'12 | 1♈ 7 | 13°46 | 11°58 | 6°37 | 28°39 | 21°19 | 9°27 | 18° 5 | 26°16 | 5°27 | 6°37 | 16°59 | 19°55 | S 19 |
| S 20 | 2 18 9 | 2°56'29 | 14°34 | 15° 5 | 13°13 | 7°13 | 28°33 | 21°15 | 9°30 | 18° 7 | 26°15 | 5°22 | 6°34 | 17° 6 | 19°52 | S 20 |
| M21 | 2 22 6 | 3°56'47 | 27°47 | 16°27 | 14°29 | 7°48 | 28°26 | 21°10 | 9°33 | 18° 9 | 26°13 | 5°17 | 6°31 | 17°12 | 19°49 | M21 |
| T 22 | 2 26 2 | 4°57'07 | 10♉44 | 17°51 | 15°44 | 8°23 | 28°19 | 21° 6 | 9°37 | 18°11 | 26°12 | 5°13 | 6°27 | 17°19 | 19°46 | T 22 |
| W23 | 2 29 59 | 5°57'29 | 23°25 | 19°17 | 16°59 | 8°58 | 28°12 | 21° 1 | 9°40 | 18°13 | 26°11 | 5°11 | 6°24 | 17°26 | 19°43 | W23 |
| T 24 | 2 33 55 | 6°57'53 | 5♊50 | 20°46 | 18°14 | 9°33 | 28° 5 | 20°56 | 9°43 | 18°16 | 26°10 | 5°D10 | 6°21 | 17°32 | 19°41 | T 24 |
| F 25 | 2 37 52 | 7°58'19 | 18° 1 | 22°15 | 19°29 | 10° 8 | 27°58 | 20°52 | 9°46 | 18°18 | 26° 9 | 5°11 | 6°18 | 17°39 | 19°38 | F 25 |
| S 26 | 2 41 48 | 8°58'46 | 0♋ 2 | 23°46 | 20°44 | 10°43 | 27°51 | 20°47 | 9°49 | 18°20 | 26° 8 | 5°13 | 6°15 | 17°46 | 19°35 | S 26 |
| S 27 | 2 45 45 | 9°59'16 | 11°54 | 25°18 | 22° 0 | 11°18 | 27°43 | 20°42 | 9°53 | 18°22 | 26° 7 | 5°14 | 6°11 | 17°52 | 19°33 | S 27 |
| M28 | 2 49 41 | 10°59'47 | 23°44 | 26°51 | 23°15 | 11°53 | 27°36 | 20°37 | 9°56 | 18°25 | 26° 6 | 5°16 | 6° 8 | 17°59 | 19°30 | M28 |
| T 29 | 2 53 38 | 12° 0'20 | 5♌35 | 28°24 | 24°30 | 12°27 | 27°28 | 20°32 | 9°59 | 18°27 | 26° 5 | 5°17 | 6° 5 | 18° 6 | 19°27 | T 29 |
| W30 | 2 57 35 | 13° 0'55 | 17°33 | 29°58 | 25°45 | 13° 2 | 27°20 | 20°28 | 10° 3 | 18°29 | 26° 4 | 5°R17 | 6° 2 | 18°12 | 19°25 | W30 |
| T 31 | 3 1 31 | 14♏ 1'31 | 29♌41 | 1♏32 | 27♏ 0 | 13♍37 | 27♉13 | 20♉23 | 10♐ 6 | 18♏31 | 26♉ 3 | 5♊16 | 5♊59 | 18♋19 | 19♈22 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s31 | 24n37 | 4n 0 | 5s31 | 1s 5 | 6s45 | 0n58 | 14n15 | 1n23 | 19n18 | 1s 1 | 16n14 | 2s20 | 21s52 | 0s 1 | 15s28 | 1n44 | 7n40 | 12s 7 | 21n31 | 21n40 | 25n49 | 9n 9 | 1n 5 |
| W 2 | 5 54 | 22 18 | 4 35 | 4 44 | 0 45 | 7 15 | 0 56 | 14 3 | 1 24 | 19 17 | 1 1 | 16 13 | 2 20 | 21 52 | 0 1 | 15 28 | 1 44 | 7 40 | 12 7 | 21 30 | 21 40 | 25 49 | 9 8 | 1 5 |
| T 3 | 6 18 | 18 58 | 4 57 | 4 0 | 0 24 | 7 45 | 0 54 | 13 51 | 1 24 | 19 16 | 1 1 | 16 12 | 2 20 | 21 53 | 0 1 | 15 29 | 1 44 | 7 40 | 12 7 | 21 29 | 21 39 | 25 49 | 9 7 | 1 5 |
| F 4 | 6 41 | 14 44 | 5 7 | 3 19 | 0 4 | 8 15 | 0 52 | 13 39 | 1 25 | 19 15 | 1 1 | 16 11 | 2 20 | 21 53 | 0 1 | 15 29 | 1 44 | 7 39 | 12 7 | 21 28 | 21 39 | 25 49 | 9 6 | 1 5 |
| S 5 | 7 4 | 9 47 | 5 2 | 2 43 | 0n15 | 8 44 | 0 50 | 13 27 | 1 25 | 19 14 | 1 1 | 16 10 | 2 20 | 21 53 | 0 1 | 15 30 | 1 44 | 7 39 | 12 7 | 21 26 | 21 38 | 25 49 | 9 5 | 1 5 |
| S 6 | 7 27 | 4 17 | 4 41 | 2 11 | 0 34 | 9 13 | 0 48 | 13 15 | 1 26 | 19 13 | 1 1 | 16 9 | 2 20 | 21 54 | 0 1 | 15 31 | 1 44 | 7 39 | 12 8 | 21 25 | 21 38 | 25 49 | 9 3 | 1 5 |
| M 7 | 7 49 | 1s33 | 4 5 | 1 45 | 0 51 | 9 43 | 0 46 | 13 3 | 1 26 | 19 12 | 1 1 | 16 8 | 2 20 | 21 54 | 0 1 | 15 31 | 1 44 | 7 38 | 12 8 | 21 23 | 21 37 | 25 48 | 9 2 | 1 5 |
| T 8 | 8 12 | 7 26 | 3 14 | 1 26 | 1 6 | 10 11 | 0 44 | 12 50 | 1 27 | 19 11 | 1 1 | 16 7 | 2 20 | 21 55 | 0 1 | 15 32 | 1 44 | 7 38 | 12 8 | 21 22 | 21 37 | 25 48 | 9 1 | 1 5 |
| W 9 | 8 35 | 13 4 | 2 10 | 1 12 | 1 20 | 10 40 | 0 42 | 12 38 | 1 27 | 19 10 | 1 1 | 16 6 | 2 21 | 21 55 | 0 1 | 15 32 | 1 44 | 7 38 | 12 8 | 21 21 | 21 36 | 25 48 | 9 0 | 1 5 |
| T 10 | 8 57 | 18 7 | 0 59 | 1 4 | 1 32 | 11 8 | 0 40 | 12 26 | 1 27 | 19 9 | 1 1 | 16 5 | 2 21 | 21 55 | 0 1 | 15 33 | 1 43 | 7 38 | 12 8 | 21 21 | 21 36 | 25 48 | 8 59 | 1 5 |
| F 11 | 9 19 | 22 11 | 0s18 | 1 2 | 1 42 | 11 37 | 0 38 | 12 13 | 1 28 | 19 8 | 1 1 | 16 3 | 2 21 | 21 56 | 0 1 | 15 34 | 1 43 | 7 37 | 12 8 | 21 21 | 21 35 | 25 48 | 8 58 | 1 5 |
| S 12 | 9 41 | 24 55 | 1 33 | 1 5 | 1 50 | 12 5 | 0 36 | 12 1 | 1 28 | 19 7 | 1 1 | 16 2 | 2 21 | 21 56 | 0 1 | 15 34 | 1 43 | 7 37 | 12 8 | 21 21 | 21 35 | 25 48 | 8 56 | 1 5 |
| S 13 | 10 3 | 26 4 | 2 43 | 1 14 | 1 57 | 12 32 | 0 34 | 11 48 | 1 29 | 19 6 | 1 1 | 16 1 | 2 21 | 21 57 | 0 1 | 15 35 | 1 43 | 7 37 | 12 8 | 21 21 | 21 34 | 25 48 | 8 55 | 1 4 |
| M14 | 10 25 | 25 30 | 3 43 | 1 27 | 2 3 | 12 59 | 0 32 | 11 36 | 1 29 | 19 4 | 1 1 | 16 0 | 2 21 | 21 57 | 0 1 | 15 35 | 1 43 | 7 36 | 12 8 | 21 22 | 21 34 | 25 47 | 8 54 | 1 4 |
| T 15 | 10 47 | 23 19 | 4 29 | 1 44 | 2 7 | 13 26 | 0 29 | 11 23 | 1 30 | 19 3 | 1 1 | 15 59 | 2 21 | 21 58 | 0 1 | 15 36 | 1 43 | 7 36 | 12 9 | 21 21 | 21 33 | 25 47 | 8 53 | 1 4 |
| W16 | 11 9 | 19 43 | 4 59 | 2 5 | 2 10 | 13 53 | 0 27 | 11 10 | 1 30 | 19 2 | 1 1 | 15 58 | 2 21 | 21 58 | 0 1 | 15 37 | 1 43 | 7 36 | 12 9 | 21 21 | 21 33 | 25 47 | 8 52 | 1 4 |
| T 17 | 11 30 | 15 3 | 5 11 | 2 29 | 2 12 | 14 19 | 0 25 | 10 58 | 1 31 | 19 0 | 1 1 | 15 57 | 2 21 | 21 59 | 0 1 | 15 37 | 1 43 | 7 35 | 12 9 | 21 21 | 21 32 | 25 47 | 8 51 | 1 4 |
| F 18 | 11 51 | 9 39 | 5 5 | 2 57 | 2 12 | 14 45 | 0 23 | 10 45 | 1 31 | 18 59 | 1 1 | 15 55 | 2 21 | 21 59 | 0 1 | 15 38 | 1 43 | 7 35 | 12 9 | 21 20 | 21 31 | 25 47 | 8 49 | 1 4 |
| S 19 | 12 12 | 3 51 | 4 41 | 3 26 | 2 12 | 15 11 | 0 20 | 10 32 | 1 31 | 18 58 | 1 1 | 15 54 | 2 21 | 22 0 | 0 1 | 15 39 | 1 43 | 7 35 | 12 9 | 21 19 | 21 31 | 25 47 | 8 48 | 1 4 |
| S 20 | 12 33 | 2n 3 | 4 2 | 3 58 | 2 11 | 15 36 | 0 18 | 10 19 | 1 32 | 18 56 | 1 1 | 15 53 | 2 21 | 22 0 | 0 1 | 15 39 | 1 43 | 7 35 | 12 9 | 21 18 | 21 30 | 25 46 | 8 47 | 1 4 |
| M21 | 12 54 | 7 46 | 3 10 | 4 31 | 2 9 | 16 1 | 0 15 | 10 7 | 1 32 | 18 55 | 1 1 | 15 52 | 2 21 | 22 1 | 0 1 | 15 40 | 1 43 | 7 34 | 12 9 | 21 17 | 21 30 | 25 46 | 8 46 | 1 4 |
| T 22 | 13 14 | 13 3 | 2 10 | 5 6 | 2 6 | 16 25 | 0 13 | 9 54 | 1 33 | 18 53 | 1 1 | 15 51 | 2 21 | 22 1 | 0 1 | 15 40 | 1 43 | 7 34 | 12 9 | 21 16 | 21 29 | 25 46 | 8 45 | 1 4 |
| W23 | 13 34 | 17 41 | 1 4 | 5 42 | 2 3 | 16 49 | 0 11 | 9 41 | 1 33 | 18 52 | 1 1 | 15 49 | 2 21 | 22 1 | 0 1 | 15 41 | 1 43 | 7 34 | 12 9 | 21 16 | 21 29 | 25 46 | 8 44 | 1 4 |
| T 24 | 13 54 | 21 26 | 0n 4 | 6 19 | 1 59 | 17 12 | 0 8 | 9 28 | 1 34 | 18 50 | 1 1 | 15 48 | 2 21 | 22 2 | 0 1 | 15 42 | 1 43 | 7 33 | 12 9 | 21 16 | 21 28 | 25 46 | 8 43 | 1 3 |
| F 25 | 14 14 | 24 10 | 1 10 | 6 56 | 1 54 | 17 35 | 0 6 | 9 15 | 1 34 | 18 49 | 1 1 | 15 47 | 2 21 | 22 2 | 0 1 | 15 42 | 1 43 | 7 33 | 12 9 | 21 16 | 21 28 | 25 45 | 8 42 | 1 3 |
| S 26 | 14 33 | 25 45 | 2 12 | 7 34 | 1 50 | 17 58 | 0 3 | 9 2 | 1 35 | 18 47 | 1 1 | 15 46 | 2 21 | 22 3 | 0 1 | 15 43 | 1 43 | 7 33 | 12 9 | 21 16 | 21 27 | 25 45 | 8 40 | 1 3 |
| S 27 | 14 53 | 26 9 | 3 8 | 8 13 | 1 44 | 18 20 | 0 1 | 8 49 | 1 35 | 18 45 | 1 1 | 15 44 | 2 21 | 22 3 | 0 1 | 15 44 | 1 43 | 7 33 | 12 9 | 21 16 | 21 27 | 25 45 | 8 39 | 1 3 |
| M28 | 15 12 | 25 20 | 3 56 | 8 51 | 1 39 | 18 42 | 0s 2 | 8 37 | 1 36 | 18 44 | 1 1 | 15 43 | 2 21 | 22 4 | 0 1 | 15 44 | 1 43 | 7 32 | 12 9 | 21 17 | 21 26 | 25 45 | 8 38 | 1 3 |
| T 29 | 15 31 | 23 23 | 4 34 | 9 30 | 1 33 | 19 3 | 0 4 | 8 24 | 1 36 | 18 42 | 1 1 | 15 42 | 2 21 | 22 4 | 0 1 | 15 45 | 1 43 | 7 32 | 12 9 | 21 17 | 21 25 | 25 44 | 8 37 | 1 3 |
| W30 | 15 49 | 20 24 | 5 0 | 10 9 | 1 27 | 19 23 | 0 6 | 8 11 | 1 36 | 18 40 | 1 1 | 15 41 | 2 21 | 22 5 | 0 1 | 15 45 | 1 43 | 7 32 | 12 9 | 21 17 | 21 25 | 25 44 | 8 36 | 1 3 |
| T 31 | 16s 7 | 16n31 | 5n14 | 10s48 | 1n21 | 19s43 | 0s 9 | 7n58 | 1n37 | 18n39 | 1s 1 | 15n39 | 2s21 | 22s 5 | 0s 1 | 15s46 | 1n43 | 7n31 | 12s 9 | 21n17 | 21n24 | 25n44 | 8n35 | 1n 3 |

Julian Day Number = 2139907.5, Delta T = 15m26s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'39, Lahiri = 11°57'39 Julian Calendar 1 Oct. 1146 == Greg. Calendar 8 Oct. 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## NOVEMBER 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 5 28 | 15♏ 2'09 | 12♍ 6 | 3♏ 7 | 28♏15 | 14♍11 | 27°R 5 | 20°R18 | 10♐ 9 | 18♏34 | 26°R 2 | 5°R14 | 5♊56 | 18♋26 | 19°R20 | F 1 |
| S 2 | 3 9 24 | 16° 2'49 | 24°50 | 4°41 | 29°31 | 14°46 | 26♉57 | 20♉13 | 10°13 | 18°36 | 26♉ 0 | 5♊12 | 5°52 | 18°33 | 19♈17 | S 2 |
| S 3 | 3 13 21 | 17° 3'31 | 7♎57 | 6°16 | 0♐46 | 15°20 | 26°49 | 20° 8 | 10°16 | 18°38 | 25°59 | 5° 9 | 5°49 | 18°39 | 19°15 | S 3 |
| M 4 | 3 17 17 | 18° 4'14 | 21°26 | 7°51 | 2° 1 | 15°54 | 26°41 | 20° 3 | 10°19 | 18°40 | 25°58 | 5° 6 | 5°46 | 18°46 | 19°12 | M 4 |
| T 5 | 3 21 14 | 19° 4'59 | 5♏19 | 9°26 | 3°16 | 16°29 | 26°33 | 19°58 | 10°23 | 18°43 | 25°57 | 5° 4 | 5°43 | 18°53 | 19°10 | T 5 |
| W 6 | 3 25 10 | 20° 5'46 | 19°30 | 11° 0 | 4°31 | 17° 3 | 26°25 | 19°53 | 10°26 | 18°45 | 25°56 | 5° 3 | 5°40 | 18°59 | 19° 8 | W 6 |
| T 7 | 3 29 7 | 21° 6'33 | 3♐57 | 12°35 | 5°46 | 17°37 | 26°17 | 19°48 | 10°30 | 18°47 | 25°55 | 5°D 3 | 5°37 | 19° 6 | 19° 5 | T 7 |
| F 8 | 3 33 4 | 22° 7'23 | 18°32 | 14°10 | 7° 1 | 18°11 | 26° 9 | 19°43 | 10°33 | 18°49 | 25°54 | 5° 3 | 5°33 | 19°13 | 19° 3 | F 8 |
| S 9 | 3 37 0 | 23° 8'13 | 3♑11 | 15°45 | 8°17 | 18°45 | 26° 0 | 19°38 | 10°37 | 18°52 | 25°53 | 5° 4 | 5°30 | 19°19 | 19° 1 | S 9 |
| S 10 | 3 40 57 | 24° 9'04 | 17°46 | 17°19 | 9°32 | 19°19 | 25°52 | 19°34 | 10°40 | 18°54 | 25°51 | 5° 5 | 5°27 | 19°26 | 18°58 | S 10 |
| M11 | 3 44 53 | 25° 9'56 | 2♒13 | 18°54 | 10°47 | 19°53 | 25°44 | 19°29 | 10°44 | 18°56 | 25°50 | 5° 5 | 5°24 | 19°33 | 18°56 | M11 |
| T 12 | 3 48 50 | 26°10'50 | 16°29 | 20°28 | 12° 2 | 20°26 | 25°36 | 19°24 | 10°48 | 18°58 | 25°49 | 5° 6 | 5°21 | 19°39 | 18°54 | T 12 |
| W13 | 3 52 46 | 27°11'43 | 0♓30 | 22° 3 | 13°17 | 21° 0 | 25°28 | 19°19 | 10°51 | 19° 1 | 25°48 | 5°R 6 | 5°17 | 19°46 | 18°52 | W13 |
| T 14 | 3 56 43 | 28°12'38 | 14°17 | 23°37 | 14°32 | 21°34 | 25°19 | 19°14 | 10°55 | 19° 3 | 25°47 | 5° 6 | 5°14 | 19°53 | 18°50 | T 14 |
| F 15 | 4 0 39 | 29°13'33 | 27°48 | 25°11 | 15°47 | 22° 7 | 25°11 | 19° 9 | 10°58 | 19° 5 | 25°46 | 5° 5 | 5°11 | 19°59 | 18°48 | F 15 |
| S 16 | 4 4 36 | 0♐14'30 | 11♈ 4 | 26°46 | 17° 2 | 22°40 | 25° 3 | 19° 4 | 11° 2 | 19° 7 | 25°45 | 5° 5 | 5° 8 | 20° 6 | 18°46 | S 16 |
| S 17 | 4 8 33 | 1°15'27 | 24° 6 | 28°20 | 18°18 | 23°14 | 24°55 | 19° 0 | 11° 5 | 19°10 | 25°43 | 5° 4 | 5° 5 | 20°13 | 18°44 | S 17 |
| M18 | 4 12 29 | 2°16'24 | 6♉55 | 29°54 | 19°33 | 23°47 | 24°47 | 18°55 | 11° 9 | 19°12 | 25°42 | 5° 4 | 5° 2 | 20°19 | 18°42 | M18 |
| T 19 | 4 16 26 | 3°17'23 | 19°31 | 1♐28 | 20°48 | 24°20 | 24°39 | 18°50 | 11°13 | 19°14 | 25°41 | 5° 3 | 4°58 | 20°26 | 18°40 | T 19 |
| W20 | 4 20 22 | 4°18'23 | 1♊55 | 3° 2 | 22° 3 | 24°53 | 24°31 | 18°46 | 11°16 | 19°16 | 25°40 | 5°D 3 | 4°55 | 20°33 | 18°38 | W20 |
| T 21 | 4 24 19 | 5°19'23 | 14° 8 | 4°37 | 23°18 | 25°26 | 24°23 | 18°41 | 11°20 | 19°18 | 25°39 | 5°R 3 | 4°52 | 20°39 | 18°37 | T 21 |
| F 22 | 4 28 15 | 6°20'25 | 26°12 | 6°11 | 24°33 | 25°59 | 24°15 | 18°36 | 11°24 | 19°21 | 25°38 | 5° 3 | 4°49 | 20°46 | 18°35 | F 22 |
| S 23 | 4 32 12 | 7°21'27 | 8♋ 9 | 7°45 | 25°48 | 26°32 | 24° 7 | 18°32 | 11°27 | 19°23 | 25°37 | 5° 3 | 4°46 | 20°53 | 18°33 | S 23 |
| S 24 | 4 36 8 | 8°22'31 | 20° 1 | 9°20 | 27° 3 | 27° 4 | 24° 0 | 18°27 | 11°31 | 19°25 | 25°36 | 5° 3 | 4°43 | 21° 0 | 18°32 | S 24 |
| M25 | 4 40 5 | 9°23'35 | 1♌50 | 10°54 | 28°18 | 27°37 | 23°52 | 18°23 | 11°34 | 19°27 | 25°34 | 5° 2 | 4°39 | 21° 6 | 18°30 | M25 |
| T 26 | 4 44 2 | 10°24'40 | 13°41 | 12°29 | 29°33 | 28° 9 | 23°45 | 18°18 | 11°38 | 19°29 | 25°33 | 5° 2 | 4°36 | 21°13 | 18°28 | T 26 |
| W27 | 4 47 58 | 11°25'46 | 25°37 | 14° 4 | 0♑48 | 28°42 | 23°37 | 18°14 | 11°42 | 19°31 | 25°32 | 5° 1 | 4°33 | 21°20 | 18°27 | W27 |
| T 28 | 4 51 55 | 12°26'53 | 7♍43 | 15°39 | 2° 3 | 29°14 | 23°30 | 18°10 | 11°45 | 19°34 | 25°31 | 5°D 1 | 4°30 | 21°26 | 18°26 | T 28 |
| F 29 | 4 55 51 | 13°28'00 | 20° 4 | 17°14 | 3°18 | 29°46 | 23°23 | 18° 6 | 11°49 | 19°36 | 25°30 | 5° 1 | 4°27 | 21°33 | 18°24 | F 29 |
| S 30 | 4 59 48 | 14♐29'09 | 2♎43 | 18♐49 | 4♑33 | 0♎18 | 23♉15 | 18♉ 2 | 11♐53 | 19♏38 | 25♉29 | 5♊ 1 | 4♊23 | 21♋40 | 18♈23 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s25 | 11n52 | 5n13 | 11s26 | 1n15 | 20s 3 | 0s11 | 7n45 | 1n37 | 18n37 | 1s 1 | 15n38 | 2s21 | 22s 6 | 0s 1 | 15s47 | 1n43 | 7n31 | 12s 9 | 21n16 | 21n24 | 25n43 | 8n34 | 1n 3 |
| S 2 | 16 43 | 6 36 | 4 57 | 12 4 | 1 8 | 20 22 | 0 14 | 7 32 | 1 38 | 18 35 | 1 0 | 15 37 | 2 21 | 22 6 | 0 1 | 15 47 | 1 43 | 7 31 | 12 9 | 21 16 | 21 23 | 25 43 | 8 33 | 1 3 |
| S 3 | 17 0 | 0 54 | 4 25 | 12 42 | 1 2 | 20 40 | 0 16 | 7 19 | 1 38 | 18 33 | 1 0 | 15 36 | 2 21 | 22 7 | 0 1 | 15 48 | 1 43 | 7 31 | 12 9 | 21 15 | 21 23 | 25 43 | 8 32 | 1 2 |
| M 4 | 17 18 | 5s 2 | 3 38 | 13 19 | 0 55 | 20 58 | 0 19 | 7 6 | 1 39 | 18 32 | 1 0 | 15 34 | 2 21 | 22 7 | 0 1 | 15 49 | 1 43 | 7 30 | 12 9 | 21 15 | 21 22 | 25 43 | 8 31 | 1 2 |
| T 5 | 17 34 | 10 53 | 2 37 | 13 56 | 0 48 | 21 15 | 0 21 | 6 53 | 1 39 | 18 30 | 1 0 | 15 33 | 2 21 | 22 8 | 0 1 | 15 49 | 1 43 | 7 30 | 12 9 | 21 15 | 21 22 | 25 42 | 8 30 | 1 2 |
| W 6 | 17 51 | 16 20 | 1 25 | 14 32 | 0 42 | 21 32 | 0 24 | 6 40 | 1 40 | 18 28 | 1 0 | 15 32 | 2 21 | 22 8 | 0 1 | 15 50 | 1 43 | 7 30 | 12 9 | 21 14 | 21 21 | 25 42 | 8 29 | 1 2 |
| T 7 | 18 7 | 20 56 | 0 6 | 15 8 | 0 35 | 21 48 | 0 26 | 6 27 | 1 40 | 18 26 | 1 0 | 15 31 | 2 21 | 22 9 | 0 1 | 15 50 | 1 43 | 7 30 | 12 9 | 21 14 | 21 20 | 25 42 | 8 28 | 1 2 |
| F 8 | 18 23 | 24 17 | 1s14 | 15 43 | 0 28 | 22 3 | 0 29 | 6 14 | 1 40 | 18 25 | 1 0 | 15 29 | 2 21 | 22 9 | 0 1 | 15 51 | 1 43 | 7 29 | 12 9 | 21 14 | 21 20 | 25 41 | 8 27 | 1 2 |
| S 9 | 18 39 | 26 0 | 2 30 | 16 18 | 0 21 | 22 18 | 0 31 | 6 1 | 1 41 | 18 23 | 1 0 | 15 28 | 2 21 | 22 10 | 0 1 | 15 52 | 1 43 | 7 29 | 12 9 | 21 15 | 21 19 | 25 41 | 8 26 | 1 2 |
| S 10 | 18 54 | 25 55 | 3 35 | 16 51 | 0 14 | 22 32 | 0 33 | 5 48 | 1 41 | 18 21 | 1 0 | 15 27 | 2 21 | 22 11 | 0 1 | 15 52 | 1 43 | 7 29 | 12 9 | 21 15 | 21 19 | 25 41 | 8 25 | 1 2 |
| M11 | 19 9 | 24 5 | 4 27 | 17 24 | 0 7 | 22 45 | 0 36 | 5 35 | 1 42 | 18 19 | 1 0 | 15 26 | 2 20 | 22 11 | 0 1 | 15 53 | 1 43 | 7 29 | 12 9 | 21 15 | 21 18 | 25 40 | 8 24 | 1 2 |
| T 12 | 19 23 | 20 45 | 5 1 | 17 57 | 0 0 | 22 58 | 0 38 | 5 22 | 1 42 | 18 17 | 0 59 | 15 24 | 2 20 | 22 12 | 0 1 | 15 53 | 1 43 | 7 29 | 12 9 | 21 15 | 21 18 | 25 40 | 8 23 | 1 1 |
| W13 | 19 37 | 16 16 | 5 16 | 18 28 | 0s 6 | 23 10 | 0 40 | 5 9 | 1 43 | 18 15 | 0 59 | 15 23 | 2 20 | 22 12 | 0 1 | 15 54 | 1 43 | 7 28 | 12 9 | 21 15 | 21 17 | 25 39 | 8 22 | 1 1 |
| T 14 | 19 51 | 11 1 | 5 13 | 18 58 | 0 13 | 23 22 | 0 43 | 4 56 | 1 43 | 18 14 | 0 59 | 15 22 | 2 20 | 22 13 | 0 1 | 15 55 | 1 43 | 7 28 | 12 9 | 21 15 | 21 16 | 25 39 | 8 21 | 1 1 |
| F 15 | 20 5 | 5 21 | 4 53 | 19 28 | 0 20 | 23 32 | 0 45 | 4 44 | 1 44 | 18 12 | 0 59 | 15 21 | 2 20 | 22 13 | 0 2 | 15 55 | 1 43 | 7 28 | 12 9 | 21 15 | 21 16 | 25 39 | 8 20 | 1 1 |
| S 16 | 20 18 | 0n28 | 4 17 | 19 57 | 0 26 | 23 42 | 0 47 | 4 31 | 1 44 | 18 10 | 0 59 | 15 20 | 2 20 | 22 14 | 0 2 | 15 56 | 1 43 | 7 28 | 12 9 | 21 15 | 21 15 | 25 38 | 8 19 | 1 1 |
| S 17 | 20 30 | 6 10 | 3 28 | 20 24 | 0 32 | 23 51 | 0 50 | 4 18 | 1 45 | 18 8 | 0 59 | 15 18 | 2 20 | 22 14 | 0 2 | 15 56 | 1 43 | 7 28 | 12 9 | 21 15 | 21 15 | 25 38 | 8 19 | 1 1 |
| M18 | 20 43 | 11 31 | 2 30 | 20 51 | 0 39 | 24 0 | 0 52 | 4 5 | 1 45 | 18 6 | 0 59 | 15 17 | 2 20 | 22 15 | 0 2 | 15 57 | 1 43 | 7 27 | 12 9 | 21 15 | 21 14 | 25 37 | 8 18 | 1 1 |
| T 19 | 20 55 | 16 19 | 1 25 | 21 17 | 0 45 | 24 8 | 0 54 | 3 52 | 1 45 | 18 5 | 0 58 | 15 16 | 2 20 | 22 15 | 0 2 | 15 58 | 1 43 | 7 27 | 12 9 | 21 14 | 21 14 | 25 37 | 8 17 | 1 1 |
| W20 | 21 6 | 20 21 | 0 17 | 21 42 | 0 51 | 24 15 | 0 56 | 3 40 | 1 46 | 18 3 | 0 58 | 15 15 | 2 19 | 22 16 | 0 2 | 15 58 | 1 43 | 7 27 | 12 9 | 21 14 | 21 13 | 25 37 | 8 16 | 1 1 |
| T 21 | 21 17 | 23 26 | 0n50 | 22 6 | 0 57 | 24 21 | 0 58 | 3 27 | 1 46 | 18 1 | 0 58 | 15 14 | 2 19 | 22 16 | 0 2 | 15 59 | 1 43 | 7 27 | 12 9 | 21 14 | 21 12 | 25 36 | 8 15 | 1 0 |
| F 22 | 21 28 | 25 25 | 1 55 | 22 28 | 1 3 | 24 27 | 1 0 | 3 14 | 1 47 | 17 59 | 0 58 | 15 13 | 2 19 | 22 17 | 0 2 | 15 59 | 1 43 | 7 27 | 12 9 | 21 14 | 21 12 | 25 36 | 8 15 | 1 0 |
| S 23 | 21 38 | 26 11 | 2 54 | 22 50 | 1 8 | 24 31 | 1 2 | 3 2 | 1 47 | 17 58 | 0 58 | 15 12 | 2 19 | 22 17 | 0 2 | 16 0 | 1 43 | 7 26 | 12 9 | 21 14 | 21 11 | 25 35 | 8 14 | 1 0 |
| S 24 | 21 48 | 25 45 | 3 45 | 23 10 | 1 14 | 24 35 | 1 4 | 2 49 | 1 48 | 17 56 | 0 57 | 15 11 | 2 19 | 22 18 | 0 2 | 16 1 | 1 43 | 7 26 | 12 8 | 21 14 | 21 11 | 25 35 | 8 13 | 1 0 |
| M25 | 21 58 | 24 9 | 4 26 | 23 29 | 1 19 | 24 39 | 1 6 | 2 36 | 1 48 | 17 54 | 0 57 | 15 10 | 2 19 | 22 18 | 0 2 | 16 1 | 1 43 | 7 26 | 12 8 | 21 14 | 21 10 | 25 34 | 8 12 | 1 0 |
| T 26 | 22 7 | 21 30 | 4 56 | 23 47 | 1 24 | 24 41 | 1 8 | 2 24 | 1 49 | 17 52 | 0 57 | 15 8 | 2 18 | 22 19 | 0 2 | 16 2 | 1 43 | 7 26 | 12 8 | 21 14 | 21 10 | 25 34 | 8 12 | 1 0 |
| W27 | 22 15 | 17 56 | 5 13 | 24 4 | 1 29 | 24 43 | 1 10 | 2 11 | 1 49 | 17 51 | 0 57 | 15 7 | 2 18 | 22 19 | 0 2 | 16 2 | 1 43 | 7 26 | 12 8 | 21 14 | 21 9 | 25 33 | 8 11 | 1 0 |
| T 28 | 22 24 | 13 36 | 5 17 | 24 20 | 1 34 | 24 44 | 1 12 | 1 59 | 1 50 | 17 49 | 0 57 | 15 6 | 2 18 | 22 20 | 0 2 | 16 3 | 1 43 | 7 26 | 12 8 | 21 14 | 21 8 | 25 33 | 8 10 | 1 0 |
| F 29 | 22 31 | 8 39 | 5 6 | 24 34 | 1 38 | 24 44 | 1 14 | 1 46 | 1 50 | 17 48 | 0 57 | 15 5 | 2 18 | 22 20 | 0 2 | 16 3 | 1 43 | 7 26 | 12 8 | 21 14 | 21 8 | 25 33 | 8 10 | 0 59 |
| S 30 | 22s39 | 3n13 | 4n41 | 24s47 | 1s43 | 24s44 | 1s16 | 1n34 | 1n50 | 17n46 | 0s56 | 15n 5 | 2s18 | 22s21 | 0s 2 | 16s 4 | 1n43 | 7n26 | 12s 8 | 21n14 | 21n 7 | 25n32 | 8n 9 | 0n59 |

Julian Day Number = 2139938.5, Delta T = 15m26s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'43, Lahiri = 11°57'44 Julian Calendar 1 Nov. 1146 == Greg. Calendar 8 Nov. 1146


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# ASTRODIENST EPHEMERIS for the year 1146
# geocentric

## DECEMBER 1146 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 3 44 | 15♐30'18 | 15♎44 | 20♐24 | 5♑48 | 0♎50 | 23°R 8 | 17°R57 | 11♐56 | 19♏40 | 25°R28 | 5♊ 2 | 4♊20 | 21♋46 | 18°R22 | S 1 |
| M 2 | 5 7 41 | 16°31'28 | 29°11 | 22° 0 | 7° 3 | 1°22 | 23♉ 1 | 17♉53 | 12° 0 | 19°42 | 25♉27 | 5° 3 | 4°17 | 21°53 | 18♈20 | M 2 |
| T 3 | 5 11 37 | 17°32'39 | 13♏ 5 | 23°36 | 8°18 | 1°54 | 22°55 | 17°49 | 12° 4 | 19°44 | 25°26 | 5° 4 | 4°14 | 22° 0 | 18°19 | T 3 |
| W 4 | 5 15 34 | 18°33'50 | 27°25 | 25°12 | 9°33 | 2°25 | 22°48 | 17°46 | 12° 7 | 19°46 | 25°25 | 5° 5 | 4°11 | 22° 6 | 18°18 | W 4 |
| T 5 | 5 19 31 | 19°35'02 | 12♐ 6 | 26°48 | 10°48 | 2°57 | 22°41 | 17°42 | 12°11 | 19°48 | 25°24 | 5°R 5 | 4° 8 | 22°13 | 18°17 | T 5 |
| F 6 | 5 23 27 | 20°36'15 | 27° 3 | 28°24 | 12° 3 | 3°28 | 22°35 | 17°38 | 12°15 | 19°50 | 25°23 | 5° 4 | 4° 4 | 22°20 | 18°16 | F 6 |
| S 7 | 5 27 24 | 21°37'27 | 12♑ 8 | 0♑ 1 | 13°18 | 3°59 | 22°29 | 17°34 | 12°18 | 19°52 | 25°22 | 5° 2 | 4° 1 | 22°27 | 18°15 | S 7 |
| S 8 | 5 31 20 | 22°38'40 | 27°10 | 1°37 | 14°33 | 4°30 | 22°23 | 17°31 | 12°22 | 19°54 | 25°21 | 5° 0 | 3°58 | 22°33 | 18°14 | S 8 |
| M 9 | 5 35 17 | 23°39'53 | 12♒ 2 | 3°14 | 15°48 | 5° 1 | 22°17 | 17°27 | 12°25 | 19°56 | 25°20 | 4°58 | 3°55 | 22°40 | 18°14 | M 9 |
| T 10 | 5 39 13 | 24°41'06 | 26°36 | 4°51 | 17° 3 | 5°32 | 22°11 | 17°24 | 12°29 | 19°58 | 25°19 | 4°55 | 3°52 | 22°47 | 18°13 | T 10 |
| W11 | 5 43 10 | 25°42'18 | 10♓49 | 6°27 | 18°17 | 6° 3 | 22° 5 | 17°21 | 12°33 | 20° 0 | 25°18 | 4°54 | 3°49 | 22°53 | 18°12 | W11 |
| T 12 | 5 47 7 | 26°43'30 | 24°38 | 8° 4 | 19°32 | 6°33 | 22° 0 | 17°17 | 12°36 | 20° 2 | 25°17 | 4°D53 | 3°45 | 23° 0 | 18°11 | T 12 |
| F 13 | 5 51 3 | 27°44'42 | 8♈ 3 | 9°41 | 20°47 | 7° 4 | 21°54 | 17°14 | 12°40 | 20° 4 | 25°16 | 4°53 | 3°42 | 23° 7 | 18°11 | F 13 |
| S 14 | 5 55 0 | 28°45'54 | 21° 8 | 11°18 | 22° 2 | 7°34 | 21°49 | 17°11 | 12°43 | 20° 6 | 25°15 | 4°55 | 3°39 | 23°13 | 18°10 | S 14 |
| S 15 | 5 58 56 | 29°47'05 | 3♉54 | 12°54 | 23°17 | 8° 4 | 21°44 | 17° 8 | 12°47 | 20° 7 | 25°14 | 4°56 | 3°36 | 23°20 | 18°10 | S 15 |
| M16 | 6 2 53 | 0♑48'16 | 16°24 | 14°30 | 24°32 | 8°34 | 21°39 | 17° 5 | 12°50 | 20° 9 | 25°13 | 4°58 | 3°33 | 23°27 | 18° 9 | M16 |
| T 17 | 6 6 49 | 1°49'27 | 28°42 | 16° 5 | 25°46 | 9° 4 | 21°35 | 17° 3 | 12°54 | 20°11 | 25°12 | 4°59 | 3°29 | 23°33 | 18° 9 | T 17 |
| W18 | 6 10 46 | 2°50'38 | 10♊51 | 17°40 | 27° 1 | 9°33 | 21°30 | 17° 0 | 12°57 | 20°13 | 25°11 | 4°R59 | 3°26 | 23°40 | 18° 9 | W18 |
| T 19 | 6 14 42 | 3°51'48 | 22°52 | 19°14 | 28°16 | 10° 3 | 21°26 | 16°57 | 13° 1 | 20°15 | 25°10 | 4°58 | 3°23 | 23°47 | 18° 8 | T 19 |
| F 20 | 6 18 39 | 4°52'58 | 4♋49 | 20°47 | 29°30 | 10°32 | 21°22 | 16°55 | 13° 4 | 20°16 | 25°10 | 4°55 | 3°20 | 23°54 | 18° 8 | F 20 |
| S 21 | 6 22 36 | 5°54'08 | 16°41 | 22°18 | 0♒45 | 11° 2 | 21°18 | 16°53 | 13° 8 | 20°18 | 25° 9 | 4°50 | 3°17 | 24° 0 | 18° 8 | S 21 |
| S 22 | 6 26 32 | 6°55'18 | 28°32 | 23°48 | 2° 0 | 11°31 | 21°14 | 16°50 | 13°11 | 20°20 | 25° 8 | 4°44 | 3°14 | 24° 7 | 18° 8 | S 22 |
| M23 | 6 30 29 | 7°56'27 | 10♌23 | 25°16 | 3°14 | 11°59 | 21°11 | 16°48 | 13°14 | 20°21 | 25° 7 | 4°38 | 3°10 | 24°14 | 18°D 8 | M23 |
| T 24 | 6 34 25 | 8°57'36 | 22°16 | 26°41 | 4°29 | 12°28 | 21° 8 | 16°46 | 13°18 | 20°23 | 25° 6 | 4°31 | 3° 7 | 24°20 | 18° 8 | T 24 |
| W25 | 6 38 22 | 9°58'45 | 4♍14 | 28° 3 | 5°44 | 12°57 | 21° 4 | 16°44 | 13°21 | 20°25 | 25° 6 | 4°26 | 3° 4 | 24°27 | 18° 8 | W25 |
| T 26 | 6 42 18 | 10°59'54 | 16°20 | 29°22 | 6°58 | 13°25 | 21° 2 | 16°42 | 13°25 | 20°26 | 25° 5 | 4°21 | 3° 1 | 24°34 | 18° 8 | T 26 |
| F 27 | 6 46 15 | 12° 1'02 | 28°37 | 0♒37 | 8°13 | 13°53 | 20°59 | 16°40 | 13°28 | 20°28 | 25° 4 | 4°18 | 2°58 | 24°40 | 18° 9 | F 27 |
| S 28 | 6 50 11 | 13° 2'10 | 11♎11 | 1°47 | 9°27 | 14°21 | 20°56 | 16°39 | 13°31 | 20°30 | 25° 3 | 4°D17 | 2°55 | 24°47 | 18° 9 | S 28 |
| S 29 | 6 54 8 | 14° 3'18 | 24° 4 | 2°51 | 10°42 | 14°49 | 20°54 | 16°37 | 13°34 | 20°31 | 25° 3 | 4°18 | 2°51 | 24°54 | 18° 9 | S 29 |
| M30 | 6 58 5 | 15° 4'25 | 7♏21 | 3°49 | 11°56 | 15°16 | 20°52 | 16°36 | 13°38 | 20°33 | 25° 2 | 4°19 | 2°48 | 25° 0 | 18°10 | M30 |
| T 31 | 7 2 1 | 16♑ 5'32 | 21♏ 5 | 4♒39 | 13♒10 | 15♎44 | 20♉50 | 16♉34 | 13♐41 | 20♏34 | 25♉ 1 | 4♊21 | 2♊45 | 25♋ 7 | 18♈10 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s45 | 2s31 | 4n 1 | 24s58 | 1s47 | 24s43 | 1s17 | 1n22 | 1n51 | 17n44 | 0s56 | 15n 4 | 2s18 | 22s21 | 0s 2 | 16s 4 | 1n43 | 7n25 | 12s 8 | 21n14 | 21n 7 | 25n32 | 8n 9 | 0n59 |
| M 2 | 22 52 | 8 20 | 3 6 | 25 9 | 1 50 | 24 40 | 1 19 | 1 9 | 1 51 | 17 43 | 0 56 | 15 3 | 2 17 | 22 22 | 0 2 | 16 5 | 1 43 | 7 25 | 12 8 | 21 14 | 21 6 | 25 31 | 8 8 | 0 59 |
| T 3 | 22 58 | 13 57 | 1 59 | 25 17 | 1 54 | 24 38 | 1 20 | 0 57 | 1 52 | 17 41 | 0 56 | 15 2 | 2 17 | 22 22 | 0 2 | 16 5 | 1 43 | 7 25 | 12 7 | 21 15 | 21 5 | 25 30 | 8 7 | 0 59 |
| W 4 | 23 3 | 18 59 | 0 42 | 25 25 | 1 57 | 24 34 | 1 22 | 0 45 | 1 52 | 17 40 | 0 55 | 15 1 | 2 17 | 22 23 | 0 2 | 16 6 | 1 43 | 7 25 | 12 7 | 21 15 | 21 5 | 25 30 | 8 7 | 0 59 |
| T 5 | 23 8 | 22 59 | 0s39 | 25 30 | 2 0 | 24 30 | 1 23 | 0 33 | 1 53 | 17 38 | 0 55 | 15 0 | 2 17 | 22 23 | 0 2 | 16 7 | 1 43 | 7 25 | 12 7 | 21 15 | 21 4 | 25 29 | 8 6 | 0 59 |
| F 6 | 23 13 | 25 30 | 1 59 | 25 35 | 2 2 | 24 25 | 1 25 | 0 21 | 1 53 | 17 37 | 0 55 | 14 59 | 2 17 | 22 24 | 0 2 | 16 7 | 1 43 | 7 25 | 12 7 | 21 15 | 21 4 | 25 29 | 8 6 | 0 59 |
| S 7 | 23 17 | 26 10 | 3 11 | 25 38 | 2 5 | 24 19 | 1 26 | 0 9 | 1 54 | 17 36 | 0 55 | 14 58 | 2 16 | 22 24 | 0 2 | 16 8 | 1 44 | 7 25 | 12 7 | 21 14 | 21 3 | 25 28 | 8 5 | 0 58 |
| S 8 | 23 21 | 24 54 | 4 10 | 25 39 | 2 6 | 24 12 | 1 28 | 0s 3 | 1 54 | 17 34 | 0 55 | 14 58 | 2 16 | 22 25 | 0 2 | 16 8 | 1 44 | 7 25 | 12 7 | 21 14 | 21 2 | 25 28 | 8 5 | 0 58 |
| M 9 | 23 24 | 21 55 | 4 51 | 25 38 | 2 8 | 24 5 | 1 29 | 0 15 | 1 55 | 17 33 | 0 54 | 14 57 | 2 16 | 22 25 | 0 2 | 16 9 | 1 44 | 7 25 | 12 7 | 21 13 | 21 2 | 25 27 | 8 4 | 0 58 |
| T 10 | 23 27 | 17 35 | 5 12 | 25 36 | 2 9 | 23 57 | 1 30 | 0 27 | 1 55 | 17 32 | 0 54 | 14 56 | 2 16 | 22 26 | 0 2 | 16 9 | 1 44 | 7 25 | 12 6 | 21 13 | 21 1 | 25 27 | 8 4 | 0 58 |
| W11 | 23 29 | 12 23 | 5 14 | 25 33 | 2 9 | 23 48 | 1 31 | 0 39 | 1 56 | 17 30 | 0 54 | 14 55 | 2 15 | 22 26 | 0 2 | 16 10 | 1 44 | 7 25 | 12 6 | 21 13 | 21 1 | 25 26 | 8 4 | 0 58 |
| T 12 | 23 31 | 6 41 | 4 57 | 25 28 | 2 10 | 23 39 | 1 32 | 0 50 | 1 56 | 17 29 | 0 54 | 14 55 | 2 15 | 22 27 | 0 2 | 16 10 | 1 44 | 7 25 | 12 6 | 21 13 | 21 0 | 25 26 | 8 3 | 0 58 |
| F 13 | 23 32 | 0 50 | 4 24 | 25 21 | 2 9 | 23 28 | 1 33 | 1 2 | 1 56 | 17 28 | 0 53 | 14 54 | 2 15 | 22 27 | 0 2 | 16 11 | 1 44 | 7 24 | 12 6 | 21 13 | 20 59 | 25 25 | 8 3 | 0 58 |
| S 14 | 23 33 | 4n54 | 3 39 | 25 12 | 2 8 | 23 17 | 1 34 | 1 14 | 1 57 | 17 27 | 0 53 | 14 53 | 2 15 | 22 27 | 0 2 | 16 11 | 1 44 | 7 24 | 12 6 | 21 13 | 20 59 | 25 24 | 8 3 | 0 58 |
| S 15 | 23 33 | 10 19 | 2 43 | 25 2 | 2 7 | 23 6 | 1 35 | 1 25 | 1 57 | 17 26 | 0 53 | 14 53 | 2 14 | 22 28 | 0 2 | 16 11 | 1 44 | 7 24 | 12 6 | 21 13 | 20 58 | 25 24 | 8 2 | 0 57 |
| M16 | 23 33 | 15 13 | 1 40 | 24 50 | 2 5 | 22 53 | 1 36 | 1 37 | 1 58 | 17 25 | 0 53 | 14 52 | 2 14 | 22 28 | 0 2 | 16 12 | 1 44 | 7 24 | 12 5 | 21 13 | 20 58 | 25 23 | 8 2 | 0 57 |
| T 17 | 23 32 | 19 24 | 0 34 | 24 36 | 2 3 | 22 40 | 1 37 | 1 48 | 1 58 | 17 24 | 0 52 | 14 52 | 2 14 | 22 29 | 0 2 | 16 12 | 1 44 | 7 24 | 12 5 | 21 14 | 20 57 | 25 22 | 8 2 | 0 57 |
| W18 | 23 31 | 22 42 | 0n32 | 24 21 | 1 59 | 22 27 | 1 37 | 1 59 | 1 59 | 17 23 | 0 52 | 14 51 | 2 14 | 22 29 | 0 2 | 16 13 | 1 44 | 7 24 | 12 5 | 21 14 | 20 56 | 25 22 | 8 2 | 0 57 |
| T 19 | 23 30 | 24 58 | 1 37 | 24 4 | 1 56 | 22 12 | 1 38 | 2 10 | 1 59 | 17 22 | 0 52 | 14 51 | 2 13 | 22 30 | 0 2 | 16 13 | 1 44 | 7 24 | 12 5 | 21 13 | 20 56 | 25 21 | 8 1 | 0 57 |
| F 20 | 23 28 | 26 4 | 2 36 | 23 46 | 1 51 | 21 57 | 1 38 | 2 21 | 2 0 | 17 21 | 0 52 | 14 50 | 2 13 | 22 30 | 0 2 | 16 14 | 1 44 | 7 24 | 12 5 | 21 13 | 20 55 | 25 21 | 8 1 | 0 57 |
| S 21 | 23 25 | 25 57 | 3 28 | 23 26 | 1 46 | 21 42 | 1 39 | 2 32 | 2 0 | 17 21 | 0 51 | 14 50 | 2 13 | 22 31 | 0 2 | 16 14 | 1 44 | 7 24 | 12 4 | 21 12 | 20 55 | 25 20 | 8 1 | 0 57 |
| S 22 | 23 22 | 24 39 | 4 12 | 23 4 | 1 39 | 21 25 | 1 39 | 2 43 | 2 1 | 17 20 | 0 51 | 14 49 | 2 13 | 22 31 | 0 2 | 16 14 | 1 44 | 7 24 | 12 4 | 21 11 | 20 54 | 25 19 | 8 1 | 0 57 |
| M23 | 23 19 | 22 16 | 4 44 | 22 42 | 1 32 | 21 8 | 1 40 | 2 54 | 2 1 | 17 19 | 0 51 | 14 49 | 2 12 | 22 32 | 0 2 | 16 15 | 1 44 | 7 24 | 12 4 | 21 10 | 20 53 | 25 19 | 8 1 | 0 56 |
| T 24 | 23 15 | 18 56 | 5 4 | 22 18 | 1 25 | 20 51 | 1 40 | 3 5 | 2 2 | 17 19 | 0 51 | 14 49 | 2 12 | 22 32 | 0 2 | 16 15 | 1 44 | 7 24 | 12 4 | 21 9 | 20 53 | 25 18 | 8 1 | 0 56 |
| W25 | 23 10 | 14 49 | 5 11 | 21 53 | 1 16 | 20 33 | 1 40 | 3 16 | 2 2 | 17 18 | 0 50 | 14 48 | 2 12 | 22 32 | 0 2 | 16 16 | 1 44 | 7 24 | 12 4 | 21 8 | 20 52 | 25 17 | 8 1 | 0 56 |
| T 26 | 23 6 | 10 5 | 5 4 | 21 27 | 1 6 | 20 14 | 1 40 | 3 26 | 2 2 | 17 18 | 0 50 | 14 48 | 2 12 | 22 33 | 0 2 | 16 16 | 1 44 | 7 25 | 12 3 | 21 7 | 20 52 | 25 17 | 8 1 | 0 56 |
| F 27 | 23 0 | 4 53 | 4 44 | 21 1 | 0 55 | 19 55 | 1 40 | 3 37 | 2 3 | 17 17 | 0 50 | 14 48 | 2 11 | 22 33 | 0 2 | 16 16 | 1 44 | 7 25 | 12 3 | 21 6 | 20 51 | 25 16 | 8 0 | 0 56 |
| S 28 | 22 55 | 0s37 | 4 9 | 20 34 | 0 44 | 19 35 | 1 40 | 3 47 | 2 3 | 17 17 | 0 50 | 14 48 | 2 11 | 22 34 | 0 2 | 16 17 | 1 44 | 7 25 | 12 3 | 21 6 | 20 50 | 25 15 | 8 0 | 0 56 |
| S 29 | 22 48 | 6 16 | 3 21 | 20 7 | 0 31 | 19 14 | 1 40 | 3 58 | 2 4 | 17 16 | 0 49 | 14 48 | 2 11 | 22 34 | 0 2 | 16 17 | 1 44 | 7 25 | 12 3 | 21 6 | 20 50 | 25 15 | 8 1 | 0 56 |
| M30 | 22 42 | 11 48 | 2 21 | 19 40 | 0 17 | 18 53 | 1 40 | 4 8 | 2 4 | 17 16 | 0 49 | 14 47 | 2 10 | 22 34 | 0 2 | 16 18 | 1 44 | 7 25 | 12 2 | 21 6 | 20 49 | 25 14 | 8 1 | 0 56 |
| T 31 | 22s35 | 16s58 | 1n11 | 19s14 | 0s 3 | 18s32 | 1s40 | 4s18 | 2n 5 | 17n16 | 0s49 | 14n47 | 2s10 | 22s35 | 0s 2 | 16s18 | 1n44 | 7n25 | 12s 2 | 21n 7 | 20n48 | 25n13 | 8n 1 | 0n55 |

Julian Day Number = 2139968.5, Delta T = 15m26s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'47, Lahiri = 11°57'48 Julian Calendar 1 Dec. 1146 == Greg. Calendar 8 Dec. 1146


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## JANUARY 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 5 58 | 17♉ 6'39 | 5♐17 | 5♒21 | 14♒25 | 16♎11 | 20°R48 | 16°R33 | 13♐44 | 20♏35 | 25°R 1 | 4°R21 | 2♊42 | 25♋14 | 18♈11 | W 1 |
| T 2 | 7 9 54 | 18° 7'46 | 19°56 | 5°55 | 15°39 | 16°38 | 20♉47 | 16♉32 | 13°47 | 20°37 | 25♉ 0 | 4♊20 | 2°39 | 25°21 | 18°11 | T 2 |
| F 3 | 7 13 51 | 19° 8'52 | 4♉57 | 6°19 | 16°54 | 17° 4 | 20°45 | 16°31 | 13°50 | 20°38 | 24°59 | 4°17 | 2°35 | 25°27 | 18°12 | F 3 |
| S 4 | 7 17 47 | 20° 9'57 | 20°12 | 6°32 | 18° 8 | 17°31 | 20°44 | 16°30 | 13°54 | 20°40 | 24°59 | 4°12 | 2°32 | 25°34 | 18°13 | S 4 |
| S 5 | 7 21 44 | 21°11'01 | 5♒31 | 6°R34 | 19°22 | 17°57 | 20°43 | 16°30 | 13°57 | 20°41 | 24°58 | 4° 5 | 2°29 | 25°41 | 18°13 | S 5 |
| M 6 | 7 25 40 | 22°12'05 | 20°42 | 6°25 | 20°36 | 18°23 | 20°43 | 16°29 | 14° 0 | 20°42 | 24°58 | 3°57 | 2°26 | 25°47 | 18°14 | M 6 |
| T 7 | 7 29 37 | 23°13'07 | 5♓36 | 6° 4 | 21°51 | 18°49 | 20°42 | 16°28 | 14° 3 | 20°44 | 24°57 | 3°50 | 2°23 | 25°54 | 18°15 | T 7 |
| W 8 | 7 33 34 | 24°14'08 | 20° 6 | 5°32 | 23° 5 | 19°15 | 20°42 | 16°28 | 14° 6 | 20°45 | 24°57 | 3°43 | 2°20 | 26° 1 | 18°16 | W 8 |
| T 9 | 7 37 30 | 25°15'08 | 4♈ 6 | 4°49 | 24°19 | 19°40 | 20°D42 | 16°28 | 14° 9 | 20°46 | 24°56 | 3°39 | 2°16 | 26° 7 | 18°17 | T 9 |
| F 10 | 7 41 27 | 26°16'06 | 17°38 | 3°57 | 25°33 | 20° 5 | 20°42 | 16°28 | 14°12 | 20°47 | 24°56 | 3°37 | 2°13 | 26°14 | 18°18 | F 10 |
| S 11 | 7 45 23 | 27°17'03 | 0♉42 | 2°56 | 26°47 | 20°30 | 20°42 | 16°D27 | 14°15 | 20°48 | 24°55 | 3°D37 | 2°10 | 26°21 | 18°19 | S 11 |
| S 12 | 7 49 20 | 28°17'59 | 13°24 | 1°49 | 28° 1 | 20°54 | 20°43 | 16°27 | 14°18 | 20°50 | 24°55 | 3°37 | 2° 7 | 26°28 | 18°20 | S 12 |
| M13 | 7 53 16 | 29°18'54 | 25°47 | 0°38 | 29°15 | 21°18 | 20°44 | 16°28 | 14°20 | 20°51 | 24°54 | 3°38 | 2° 4 | 26°34 | 18°21 | M13 |
| T 14 | 7 57 13 | 0♒19'47 | 7♊55 | 29♉25 | 0♓29 | 21°42 | 20°45 | 16°28 | 14°23 | 20°52 | 24°54 | 3°R39 | 2° 1 | 26°41 | 18°23 | T 14 |
| W15 | 8 1 9 | 1°20'39 | 19°55 | 28°11 | 1°43 | 22° 6 | 20°46 | 16°28 | 14°26 | 20°53 | 24°53 | 3°37 | 1°57 | 26°48 | 18°24 | W15 |
| T 16 | 8 5 6 | 2°21'30 | 1♋48 | 26°59 | 2°57 | 22°30 | 20°47 | 16°29 | 14°29 | 20°54 | 24°53 | 3°33 | 1°54 | 26°54 | 18°25 | T 16 |
| F 17 | 8 9 3 | 3°22'19 | 13°38 | 25°51 | 4°10 | 22°53 | 20°49 | 16°29 | 14°31 | 20°55 | 24°53 | 3°26 | 1°51 | 27° 1 | 18°27 | F 17 |
| S 18 | 8 12 59 | 4°23'07 | 25°29 | 24°48 | 5°24 | 23°15 | 20°50 | 16°30 | 14°34 | 20°56 | 24°52 | 3°17 | 1°48 | 27° 8 | 18°28 | S 18 |
| S 19 | 8 16 56 | 5°23'53 | 7♌20 | 23°51 | 6°38 | 23°38 | 20°52 | 16°31 | 14°37 | 20°57 | 24°52 | 3° 6 | 1°45 | 27°14 | 18°30 | S 19 |
| M20 | 8 20 52 | 6°24'38 | 19°15 | 23° 2 | 7°51 | 24° 0 | 20°55 | 16°32 | 14°39 | 20°58 | 24°52 | 2°53 | 1°41 | 27°21 | 18°31 | M20 |
| T 21 | 8 24 49 | 7°25'22 | 1♍14 | 22°20 | 9° 5 | 24°22 | 20°57 | 16°33 | 14°42 | 20°58 | 24°52 | 2°40 | 1°38 | 27°28 | 18°33 | T 21 |
| W22 | 8 28 45 | 8°26'05 | 13°19 | 21°47 | 10°18 | 24°44 | 20°59 | 16°34 | 14°44 | 20°59 | 24°51 | 2°28 | 1°35 | 27°34 | 18°35 | W22 |
| T 23 | 8 32 42 | 9°26'46 | 25°31 | 21°22 | 11°32 | 25° 5 | 21° 2 | 16°35 | 14°47 | 21° 0 | 24°51 | 2°18 | 1°32 | 27°41 | 18°37 | T 23 |
| F 24 | 8 36 38 | 10°27'26 | 7♎53 | 21° 5 | 12°45 | 25°26 | 21° 5 | 16°37 | 14°49 | 21° 1 | 24°51 | 2°11 | 1°29 | 27°48 | 18°38 | F 24 |
| S 25 | 8 40 35 | 11°28'05 | 20°27 | 20°55 | 13°58 | 25°47 | 21° 8 | 16°38 | 14°52 | 21° 2 | 24°51 | 2° 7 | 1°26 | 27°55 | 18°40 | S 25 |
| S 26 | 8 44 32 | 12°28'43 | 3♏17 | 20°D53 | 15°12 | 26° 7 | 21°12 | 16°40 | 14°54 | 21° 2 | 24°51 | 2° 5 | 1°22 | 28° 1 | 18°42 | S 26 |
| M27 | 8 48 28 | 13°29'19 | 16°27 | 20°58 | 16°25 | 26°27 | 21°15 | 16°42 | 14°56 | 21° 3 | 24°51 | 2°D 4 | 1°19 | 28° 8 | 18°44 | M27 |
| T 28 | 8 52 25 | 14°29'54 | 29°59 | 21°10 | 17°38 | 26°46 | 21°19 | 16°44 | 14°59 | 21° 3 | 24°50 | 2°R 4 | 1°16 | 28°15 | 18°46 | T 28 |
| W29 | 8 56 21 | 15°30'28 | 13♐58 | 21°28 | 18°51 | 27° 5 | 21°23 | 16°46 | 15° 1 | 21° 4 | 24°50 | 2° 4 | 1°13 | 28°21 | 18°48 | W29 |
| T 30 | 9 0 18 | 16°31'01 | 28°22 | 21°52 | 20° 4 | 27°24 | 21°27 | 16°48 | 15° 3 | 21° 5 | 24°50 | 2° 2 | 1°10 | 28°28 | 18°50 | T 30 |
| F 31 | 9 4 14 | 17♒31'33 | 13♉ 9 | 22♉20 | 21♓17 | 27♎42 | 21♉31 | 16♉50 | 15♐ 5 | 21♏ 5 | 24♉50 | 1♊57 | 1♊ 7 | 28♋35 | 18♈52 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s27 | 21s22 | 0s 5 | 18s48 | 0n13 | 18s10 | 1s39 | 4s28 | 2n 5 | 17n16 | 0s49 | 14n47 | 2s10 | 22s35 | 0s 2 | 16s18 | 1n44 | 7n25 | 12s 2 | 21n 7 | 20n48 | 25n12 | 8n 1 | 0n55 |
| T 2 | 22 19 | 24 33 | 1 23 | 18 24 | 0 29 | 17 47 | 1 39 | 4 38 | 2 6 | 17 15 | 0 48 | 14 47 | 2 10 | 22 36 | 0 2 | 16 19 | 1 44 | 7 25 | 12 2 | 21 7 | 20 47 | 25 12 | 8 1 | 0 55 |
| F 3 | 22 11 | 26 5 | 2 38 | 18 2 | 0 47 | 17 24 | 1 38 | 4 48 | 2 6 | 17 15 | 0 48 | 14 47 | 2 9 | 22 36 | 0 2 | 16 19 | 1 45 | 7 25 | 12 1 | 21 6 | 20 47 | 25 11 | 8 1 | 0 55 |
| S 4 | 22 2 | 25 41 | 3 42 | 17 41 | 1 4 | 17 1 | 1 38 | 4 58 | 2 7 | 17 15 | 0 48 | 14 47 | 2 9 | 22 36 | 0 2 | 16 19 | 1 45 | 7 25 | 12 1 | 21 5 | 20 46 | 25 10 | 8 1 | 0 55 |
| S 5 | 21 52 | 23 21 | 4 30 | 17 23 | 1 23 | 16 37 | 1 37 | 5 7 | 2 7 | 17 15 | 0 47 | 14 47 | 2 9 | 22 37 | 0 2 | 16 20 | 1 45 | 7 25 | 12 1 | 21 4 | 20 45 | 25 9 | 8 1 | 0 55 |
| M 6 | 21 43 | 19 23 | 4 59 | 17 8 | 1 41 | 16 13 | 1 36 | 5 17 | 2 7 | 17 15 | 0 47 | 14 47 | 2 8 | 22 37 | 0 2 | 16 20 | 1 45 | 7 25 | 12 1 | 21 2 | 20 45 | 25 9 | 8 1 | 0 55 |
| T 7 | 21 33 | 14 15 | 5 7 | 16 55 | 1 59 | 15 48 | 1 36 | 5 26 | 2 8 | 17 15 | 0 47 | 14 48 | 2 8 | 22 38 | 0 2 | 16 20 | 1 45 | 7 26 | 12 0 | 21 1 | 20 44 | 25 8 | 8 2 | 0 55 |
| W 8 | 21 22 | 8 27 | 4 55 | 16 46 | 2 17 | 15 23 | 1 35 | 5 35 | 2 8 | 17 16 | 0 47 | 14 48 | 2 8 | 22 38 | 0 2 | 16 20 | 1 45 | 7 26 | 12 0 | 21 0 | 20 43 | 25 7 | 8 2 | 0 54 |
| T 9 | 21 11 | 2 25 | 4 25 | 16 40 | 2 33 | 14 57 | 1 34 | 5 44 | 2 9 | 17 16 | 0 46 | 14 48 | 2 8 | 22 38 | 0 2 | 16 21 | 1 45 | 7 26 | 12 0 | 20 59 | 20 43 | 25 6 | 8 2 | 0 54 |
| F 10 | 21 0 | 3n32 | 3 42 | 16 37 | 2 49 | 14 31 | 1 33 | 5 53 | 2 9 | 17 16 | 0 46 | 14 48 | 2 7 | 22 39 | 0 2 | 16 21 | 1 45 | 7 26 | 12 0 | 20 58 | 20 42 | 25 6 | 8 2 | 0 54 |
| S 11 | 20 48 | 9 9 | 2 47 | 16 38 | 3 3 | 14 5 | 1 32 | 6 2 | 2 10 | 17 17 | 0 46 | 14 48 | 2 7 | 22 39 | 0 2 | 16 21 | 1 45 | 7 26 | 11 59 | 20 58 | 20 42 | 25 5 | 8 3 | 0 54 |
| S 12 | 20 36 | 14 14 | 1 47 | 16 41 | 3 15 | 13 38 | 1 30 | 6 11 | 2 10 | 17 17 | 0 46 | 14 49 | 2 7 | 22 39 | 0 2 | 16 21 | 1 45 | 7 26 | 11 59 | 20 59 | 20 41 | 25 4 | 8 3 | 0 54 |
| M13 | 20 23 | 18 37 | 0 42 | 16 46 | 3 25 | 13 11 | 1 29 | 6 20 | 2 11 | 17 17 | 0 45 | 14 49 | 2 6 | 22 40 | 0 2 | 16 22 | 1 45 | 7 26 | 11 59 | 20 59 | 20 40 | 25 3 | 8 3 | 0 54 |
| T 14 | 20 10 | 22 7 | 0n23 | 16 54 | 3 32 | 12 43 | 1 28 | 6 28 | 2 11 | 17 18 | 0 45 | 14 49 | 2 6 | 22 40 | 0 2 | 16 22 | 1 45 | 7 27 | 11 59 | 20 59 | 20 40 | 25 2 | 8 4 | 0 54 |
| W15 | 19 57 | 24 36 | 1 26 | 17 4 | 3 38 | 12 16 | 1 26 | 6 37 | 2 11 | 17 18 | 0 45 | 14 50 | 2 6 | 22 40 | 0 2 | 16 22 | 1 45 | 7 27 | 11 58 | 20 58 | 20 39 | 25 1 | 8 4 | 0 54 |
| T 16 | 19 44 | 25 57 | 2 25 | 17 15 | 3 40 | 11 47 | 1 25 | 6 45 | 2 12 | 17 19 | 0 45 | 14 50 | 2 6 | 22 41 | 0 2 | 16 22 | 1 45 | 7 27 | 11 58 | 20 58 | 20 38 | 25 1 | 8 5 | 0 53 |
| F 17 | 19 30 | 26 6 | 3 17 | 17 28 | 3 40 | 11 19 | 1 23 | 6 53 | 2 12 | 17 20 | 0 44 | 14 51 | 2 5 | 22 41 | 0 2 | 16 23 | 1 45 | 7 27 | 11 58 | 20 56 | 20 38 | 25 0 | 8 5 | 0 53 |
| S 18 | 19 15 | 25 4 | 4 0 | 17 41 | 3 39 | 10 50 | 1 22 | 7 1 | 2 13 | 17 20 | 0 44 | 14 51 | 2 5 | 22 41 | 0 2 | 16 23 | 1 45 | 7 27 | 11 58 | 20 55 | 20 37 | 24 59 | 8 6 | 0 53 |
| S 19 | 19 0 | 22 55 | 4 33 | 17 55 | 3 35 | 10 21 | 1 20 | 7 9 | 2 13 | 17 21 | 0 44 | 14 52 | 2 5 | 22 42 | 0 2 | 16 23 | 1 45 | 7 28 | 11 57 | 20 52 | 20 36 | 24 58 | 8 6 | 0 53 |
| M20 | 18 45 | 19 46 | 4 54 | 18 9 | 3 29 | 9 52 | 1 18 | 7 17 | 2 14 | 17 22 | 0 44 | 14 52 | 2 4 | 22 42 | 0 2 | 16 23 | 1 45 | 7 28 | 11 57 | 20 50 | 20 36 | 24 57 | 8 6 | 0 53 |
| T 21 | 18 30 | 15 47 | 5 2 | 18 23 | 3 21 | 9 23 | 1 16 | 7 25 | 2 14 | 17 23 | 0 43 | 14 53 | 2 4 | 22 42 | 0 2 | 16 23 | 1 45 | 7 28 | 11 57 | 20 47 | 20 35 | 24 56 | 8 7 | 0 53 |
| W22 | 18 14 | 11 9 | 4 57 | 18 36 | 3 13 | 8 53 | 1 14 | 7 32 | 2 14 | 17 24 | 0 43 | 14 53 | 2 4 | 22 43 | 0 2 | 16 23 | 1 46 | 7 28 | 11 56 | 20 45 | 20 34 | 24 56 | 8 8 | 0 53 |
| T 23 | 17 58 | 6 2 | 4 38 | 18 50 | 3 3 | 8 23 | 1 12 | 7 40 | 2 15 | 17 25 | 0 43 | 14 54 | 2 4 | 22 43 | 0 2 | 16 24 | 1 46 | 7 28 | 11 56 | 20 43 | 20 34 | 24 55 | 8 8 | 0 53 |
| F 24 | 17 42 | 0 38 | 4 6 | 19 3 | 2 53 | 7 53 | 1 10 | 7 47 | 2 15 | 17 26 | 0 43 | 14 55 | 2 3 | 22 43 | 0 2 | 16 24 | 1 46 | 7 29 | 11 56 | 20 42 | 20 33 | 24 54 | 8 9 | 0 52 |
| S 25 | 17 25 | 4s55 | 3 22 | 19 15 | 2 42 | 7 23 | 1 8 | 7 54 | 2 15 | 17 27 | 0 42 | 14 55 | 2 3 | 22 43 | 0 2 | 16 24 | 1 46 | 7 29 | 11 56 | 20 41 | 20 33 | 24 53 | 8 9 | 0 52 |
| S 26 | 17 8 | 10 22 | 2 26 | 19 27 | 2 30 | 6 52 | 1 6 | 8 1 | 2 16 | 17 28 | 0 42 | 14 56 | 2 3 | 22 44 | 0 2 | 16 24 | 1 46 | 7 29 | 11 55 | 20 40 | 20 32 | 24 52 | 8 10 | 0 52 |
| M27 | 16 51 | 15 32 | 1 22 | 19 38 | 2 18 | 6 22 | 1 4 | 8 8 | 2 16 | 17 29 | 0 42 | 14 57 | 2 2 | 22 44 | 0 2 | 16 24 | 1 46 | 7 29 | 11 55 | 20 40 | 20 31 | 24 51 | 8 11 | 0 52 |
| T 28 | 16 34 | 20 4 | 0 11 | 19 48 | 2 6 | 5 51 | 1 1 | 8 15 | 2 17 | 17 30 | 0 42 | 14 58 | 2 2 | 22 44 | 0 2 | 16 24 | 1 46 | 7 30 | 11 55 | 20 40 | 20 31 | 24 50 | 8 11 | 0 52 |
| W29 | 16 16 | 23 37 | 1s 3 | 19 57 | 1 54 | 5 20 | 0 59 | 8 21 | 2 17 | 17 32 | 0 41 | 14 59 | 2 2 | 22 45 | 0 2 | 16 24 | 1 46 | 7 30 | 11 54 | 20 40 | 20 30 | 24 49 | 8 12 | 0 52 |
| T 30 | 15 58 | 25 47 | 2 14 | 20 5 | 1 42 | 4 49 | 0 56 | 8 28 | 2 17 | 17 33 | 0 41 | 14 59 | 2 2 | 22 45 | 0 2 | 16 24 | 1 46 | 7 30 | 11 54 | 20 40 | 20 29 | 24 48 | 8 13 | 0 52 |
| F 31 | 15s39 | 26s12 | 3s19 | 20s13 | 1n30 | 4s18 | 0s54 | 8s34 | 2n18 | 17n34 | 0s41 | 15n 0 | 2s 1 | 22s45 | 0s 2 | 16s25 | 1n46 | 7n30 | 11s54 | 20n39 | 20n29 | 24n47 | 8n13 | 0n52 |

Julian Day Number = 2139999.5, Delta T = 15m26s
Ecliptic obliquity = 23°33'03, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'52, Lahiri = 11°57'52 Julian Calendar 1 Jan. 1147 == Greg. Calendar 8 Jan. 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## FEBRUARY 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 8 11 | 18♒32'03 | 28♉15 | 22♉54 | 22♓30 | 28♎ 0 | 21♉35 | 16♉52 | 15♐ 7 | 21♏ 6 | 24°D50 | 1°R49 | 1♊ 3 | 28♋42 | 18♈54 | S 1 |
| S 2 | 9 12 8 | 19°32'31 | 13♒30 | 23°32 | 23°43 | 28°17 | 21°40 | 16°54 | 15°10 | 21° 6 | 24♉50 | 1♊39 | 1° 0 | 28°48 | 18°57 | S 2 |
| M 3 | 9 16 4 | 20°32'58 | 28°44 | 24°15 | 24°56 | 28°34 | 21°45 | 16°57 | 15°12 | 21° 7 | 24°50 | 1°27 | 0°57 | 28°55 | 18°59 | M 3 |
| T 4 | 9 20 1 | 21°33'23 | 13♓45 | 25° 1 | 26° 8 | 28°51 | 21°50 | 16°59 | 15°14 | 21° 7 | 24°50 | 1°16 | 0°54 | 29° 2 | 19° 1 | T 4 |
| W 5 | 9 23 57 | 22°33'46 | 28°24 | 25°51 | 27°21 | 29° 7 | 21°55 | 17° 2 | 15°15 | 21° 7 | 24°50 | 1° 6 | 0°51 | 29° 8 | 19° 4 | W 5 |
| T 6 | 9 27 54 | 23°34'07 | 12♈36 | 26°44 | 28°34 | 29°23 | 22° 0 | 17° 5 | 15°17 | 21° 8 | 24°51 | 0°58 | 0°47 | 29°15 | 19° 6 | T 6 |
| F 7 | 9 31 50 | 24°34'26 | 26°17 | 27°41 | 29°46 | 29°38 | 22° 6 | 17° 8 | 15°19 | 21° 8 | 24°51 | 0°54 | 0°44 | 29°22 | 19° 9 | F 7 |
| S 8 | 9 35 47 | 25°34'43 | 9♉28 | 28°40 | 0♈59 | 29°53 | 22°11 | 17°11 | 15°21 | 21° 8 | 24°51 | 0°51 | 0°41 | 29°28 | 19°11 | S 8 |
| S 9 | 9 39 43 | 26°34'58 | 22°14 | 29°41 | 2°11 | 0♏ 7 | 22°17 | 17°14 | 15°23 | 21° 8 | 24°51 | 0°50 | 0°38 | 29°35 | 19°14 | S 9 |
| M10 | 9 43 40 | 27°35'11 | 4♊38 | 0♒45 | 3°23 | 0°21 | 22°23 | 17°17 | 15°24 | 21° 9 | 24°51 | 0°50 | 0°35 | 29°42 | 19°16 | M10 |
| T 11 | 9 47 36 | 28°35'22 | 16°45 | 1°52 | 4°35 | 0°34 | 22°29 | 17°21 | 15°26 | 21° 9 | 24°51 | 0°50 | 0°32 | 29°49 | 19°19 | T 11 |
| W12 | 9 51 33 | 29°35'31 | 28°42 | 3° 1 | 5°47 | 0°47 | 22°36 | 17°24 | 15°28 | 21° 9 | 24°52 | 0°48 | 0°28 | 29°55 | 19°21 | W12 |
| T 13 | 9 55 30 | 0♓35'38 | 10♋33 | 4°11 | 6°59 | 0°59 | 22°42 | 17°27 | 15°29 | 21° 9 | 24°52 | 0°43 | 0°25 | 0♌ 2 | 19°24 | T 13 |
| F 14 | 9 59 26 | 1°35'42 | 22°22 | 5°24 | 8°11 | 1°11 | 22°49 | 17°31 | 15°31 | 21° 9 | 24°52 | 0°35 | 0°22 | 0° 9 | 19°27 | F 14 |
| S 15 | 10 3 23 | 2°35'45 | 4♌12 | 6°38 | 9°23 | 1°22 | 22°55 | 17°35 | 15°32 | 21°R 9 | 24°52 | 0°24 | 0°19 | 0°15 | 19°30 | S 15 |
| S 16 | 10 7 19 | 3°35'45 | 16° 7 | 7°54 | 10°35 | 1°32 | 23° 2 | 17°39 | 15°34 | 21° 9 | 24°53 | 0°12 | 0°16 | 0°22 | 19°33 | S 16 |
| M17 | 10 11 16 | 4°35'44 | 28° 8 | 9°12 | 11°46 | 1°42 | 23° 9 | 17°42 | 15°35 | 21° 9 | 24°53 | 29♉57 | 0°13 | 0°29 | 19°35 | M17 |
| T 18 | 10 15 12 | 5°35'40 | 10♍16 | 10°32 | 12°58 | 1°52 | 23°17 | 17°46 | 15°36 | 21° 9 | 24°53 | 29°43 | 0° 9 | 0°35 | 19°38 | T 18 |
| W19 | 10 19 9 | 6°35'34 | 22°32 | 11°53 | 14° 9 | 2° 0 | 23°24 | 17°50 | 15°37 | 21° 9 | 24°54 | 29°29 | 0° 6 | 0°42 | 19°41 | W19 |
| T 20 | 10 23 5 | 7°35'27 | 4♎57 | 13°15 | 15°21 | 2° 9 | 23°32 | 17°55 | 15°39 | 21° 9 | 24°54 | 29°18 | 0° 3 | 0°49 | 19°44 | T 20 |
| F 21 | 10 27 2 | 8°35'18 | 17°31 | 14°39 | 16°32 | 2°16 | 23°39 | 17°59 | 15°40 | 21° 8 | 24°55 | 29° 9 | 29♉59 | 0°56 | 19°47 | F 21 |
| S 22 | 10 30 59 | 9°35'06 | 0♏17 | 16° 5 | 17°43 | 2°23 | 23°47 | 18° 3 | 15°41 | 21° 8 | 24°55 | 29° 4 | 29°57 | 1° 2 | 19°50 | S 22 |
| S 23 | 10 34 55 | 10°34'53 | 13°15 | 17°32 | 18°54 | 2°30 | 23°55 | 18° 8 | 15°42 | 21° 8 | 24°55 | 29° 1 | 29°53 | 1° 9 | 19°53 | S 23 |
| M24 | 10 38 52 | 11°34'39 | 26°27 | 19° 0 | 20° 5 | 2°35 | 24° 3 | 18°12 | 15°43 | 21° 8 | 24°56 | 29°D 0 | 29°50 | 1°16 | 19°56 | M24 |
| T 25 | 10 42 48 | 12°34'23 | 9♐57 | 20°29 | 21°16 | 2°40 | 24°11 | 18°17 | 15°44 | 21° 7 | 24°56 | 29°R 0 | 29°47 | 1°22 | 19°59 | T 25 |
| W26 | 10 46 45 | 13°34'05 | 23°46 | 22° 0 | 22°26 | 2°45 | 24°20 | 18°21 | 15°45 | 21° 7 | 24°57 | 29° 0 | 29°44 | 1°29 | 20° 3 | W26 |
| T 27 | 10 50 41 | 14°33'45 | 7♑56 | 23°32 | 23°37 | 2°48 | 24°28 | 18°26 | 15°46 | 21° 7 | 24°58 | 28°58 | 29°41 | 1°36 | 20° 6 | T 27 |
| F 28 | 10 54 38 | 15♓33'24 | 22♑24 | 25♒ 6 | 24♈48 | 2♏51 | 24♉37 | 18♉31 | 15♐46 | 21♏ 6 | 24♉58 | 28♉54 | 29♉38 | 1♌43 | 20♈ 9 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s21 | 24s42 | 4s11 | 20s19 | 1n18 | 3s46 | 0s51 | 8s40 | 2n18 | 17n36 | 0s41 | 15n 1 | 2s 1 | 22s45 | 0s 2 | 16s25 | 1n46 | 7n31 | 11s54 | 20n37 | 20n28 | 24n46 | 8n14 | 0n52 |
| S 2 | 15 2 | 21 24 | 4 46 | 20 24 | 1 6 | 3 15 | 0 48 | 8 46 | 2 18 | 17 37 | 0 40 | 15 2 | 2 1 | 22 46 | 0 2 | 16 25 | 1 46 | 7 31 | 11 53 | 20 35 | 20 27 | 24 45 | 8 15 | 0 51 |
| M 3 | 14 42 | 16 39 | 5 0 | 20 28 | 0 54 | 2 43 | 0 46 | 8 51 | 2 19 | 17 39 | 0 40 | 15 3 | 2 0 | 22 46 | 0 2 | 16 25 | 1 46 | 7 31 | 11 53 | 20 33 | 20 27 | 24 44 | 8 16 | 0 51 |
| T 4 | 14 23 | 10 56 | 4 54 | 20 31 | 0 43 | 2 12 | 0 43 | 8 57 | 2 19 | 17 40 | 0 40 | 15 4 | 2 0 | 22 46 | 0 2 | 16 25 | 1 46 | 7 32 | 11 53 | 20 31 | 20 26 | 24 43 | 8 16 | 0 51 |
| W 5 | 14 3 | 4 43 | 4 28 | 20 33 | 0 32 | 1 40 | 0 40 | 9 2 | 2 19 | 17 42 | 0 40 | 15 5 | 2 0 | 22 46 | 0 2 | 16 25 | 1 46 | 7 32 | 11 52 | 20 29 | 20 25 | 24 43 | 8 17 | 0 51 |
| T 6 | 13 44 | 1n32 | 3 46 | 20 34 | 0 21 | 1 9 | 0 37 | 9 8 | 2 20 | 17 43 | 0 39 | 15 6 | 2 0 | 22 46 | 0 2 | 16 25 | 1 46 | 7 32 | 11 52 | 20 27 | 20 25 | 24 42 | 8 18 | 0 51 |
| F 7 | 13 24 | 7 31 | 2 52 | 20 33 | 0 11 | 0 37 | 0 34 | 9 13 | 2 20 | 17 45 | 0 39 | 15 7 | 1 59 | 22 47 | 0 2 | 16 25 | 1 46 | 7 33 | 11 52 | 20 26 | 20 24 | 24 41 | 8 19 | 0 51 |
| S 8 | 13 3 | 12 58 | 1 50 | 20 31 | 0 0 | 0 5 | 0 31 | 9 18 | 2 20 | 17 47 | 0 39 | 15 8 | 1 59 | 22 47 | 0 2 | 16 25 | 1 46 | 7 33 | 11 52 | 20 25 | 20 23 | 24 40 | 8 20 | 0 51 |
| S 9 | 12 43 | 17 41 | 0 45 | 20 28 | 0s10 | 0n27 | 0 28 | 9 22 | 2 20 | 17 48 | 0 39 | 15 10 | 1 59 | 22 47 | 0 2 | 16 25 | 1 47 | 7 33 | 11 51 | 20 25 | 20 23 | 24 39 | 8 20 | 0 51 |
| M10 | 12 22 | 21 29 | 0n20 | 20 24 | 0 19 | 0 58 | 0 25 | 9 27 | 2 21 | 17 50 | 0 38 | 15 11 | 1 58 | 22 47 | 0 2 | 16 25 | 1 47 | 7 33 | 11 51 | 20 25 | 20 22 | 24 38 | 8 21 | 0 51 |
| T 11 | 12 1 | 24 16 | 1 23 | 20 18 | 0 28 | 1 30 | 0 22 | 9 31 | 2 21 | 17 52 | 0 38 | 15 12 | 1 58 | 22 47 | 0 2 | 16 25 | 1 47 | 7 34 | 11 51 | 20 25 | 20 21 | 24 37 | 8 22 | 0 50 |
| W12 | 11 40 | 25 54 | 2 22 | 20 11 | 0 37 | 2 2 | 0 19 | 9 36 | 2 21 | 17 54 | 0 38 | 15 13 | 1 58 | 22 48 | 0 2 | 16 25 | 1 47 | 7 34 | 11 50 | 20 25 | 20 21 | 24 36 | 8 23 | 0 50 |
| T 13 | 11 19 | 26 20 | 3 13 | 20 2 | 0 46 | 2 33 | 0 15 | 9 40 | 2 21 | 17 55 | 0 38 | 15 14 | 1 58 | 22 48 | 0 2 | 16 25 | 1 47 | 7 34 | 11 50 | 20 24 | 20 20 | 24 34 | 8 24 | 0 50 |
| F 14 | 10 57 | 25 34 | 3 56 | 19 53 | 0 54 | 3 5 | 0 12 | 9 44 | 2 21 | 17 57 | 0 38 | 15 16 | 1 57 | 22 48 | 0 2 | 16 25 | 1 47 | 7 35 | 11 50 | 20 22 | 20 19 | 24 33 | 8 25 | 0 50 |
| S 15 | 10 36 | 23 39 | 4 29 | 19 42 | 1 2 | 3 36 | 0 9 | 9 47 | 2 22 | 17 59 | 0 37 | 15 17 | 1 57 | 22 48 | 0 2 | 16 25 | 1 47 | 7 35 | 11 50 | 20 20 | 20 19 | 24 32 | 8 26 | 0 50 |
| S 16 | 10 14 | 20 42 | 4 51 | 19 29 | 1 9 | 4 8 | 0 5 | 9 51 | 2 22 | 18 1 | 0 37 | 15 18 | 1 57 | 22 48 | 0 2 | 16 25 | 1 47 | 7 35 | 11 49 | 20 17 | 20 18 | 24 31 | 8 27 | 0 50 |
| M17 | 9 52 | 16 51 | 4 59 | 19 16 | 1 16 | 4 39 | 0 2 | 9 54 | 2 22 | 18 3 | 0 37 | 15 20 | 1 57 | 22 48 | 0 2 | 16 25 | 1 47 | 7 36 | 11 49 | 20 14 | 20 17 | 24 30 | 8 28 | 0 50 |
| T 18 | 9 30 | 12 17 | 4 54 | 19 1 | 1 23 | 5 10 | 0n 2 | 9 57 | 2 22 | 18 5 | 0 37 | 15 21 | 1 56 | 22 49 | 0 2 | 16 24 | 1 47 | 7 36 | 11 49 | 20 11 | 20 17 | 24 29 | 8 29 | 0 50 |
| W19 | 9 8 | 7 12 | 4 36 | 18 44 | 1 29 | 5 41 | 0 5 | 10 0 | 2 22 | 18 7 | 0 36 | 15 22 | 1 56 | 22 49 | 0 2 | 16 24 | 1 47 | 7 37 | 11 48 | 20 8 | 20 16 | 24 28 | 8 30 | 0 50 |
| T 20 | 8 46 | 1 46 | 4 4 | 18 26 | 1 35 | 6 12 | 0 9 | 10 3 | 2 22 | 18 9 | 0 36 | 15 24 | 1 56 | 22 49 | 0 2 | 16 24 | 1 47 | 7 37 | 11 48 | 20 6 | 20 15 | 24 27 | 8 31 | 0 50 |
| F 21 | 8 23 | 3s50 | 3 20 | 18 7 | 1 41 | 6 43 | 0 12 | 10 6 | 2 22 | 18 12 | 0 36 | 15 25 | 1 56 | 22 49 | 0 2 | 16 24 | 1 47 | 7 37 | 11 48 | 20 4 | 20 15 | 24 26 | 8 32 | 0 49 |
| S 22 | 8 1 | 9 21 | 2 26 | 17 47 | 1 46 | 7 14 | 0 16 | 10 8 | 2 22 | 18 14 | 0 36 | 15 27 | 1 55 | 22 49 | 0 3 | 16 24 | 1 47 | 7 38 | 11 48 | 20 3 | 20 14 | 24 25 | 8 33 | 0 49 |
| S 23 | 7 38 | 14 35 | 1 22 | 17 25 | 1 51 | 7 44 | 0 20 | 10 10 | 2 22 | 18 16 | 0 36 | 15 28 | 1 55 | 22 49 | 0 3 | 16 24 | 1 47 | 7 38 | 11 47 | 20 2 | 20 13 | 24 24 | 8 34 | 0 49 |
| M24 | 7 15 | 19 14 | 0 13 | 17 1 | 1 55 | 8 15 | 0 23 | 10 12 | 2 22 | 18 18 | 0 35 | 15 30 | 1 55 | 22 49 | 0 3 | 16 24 | 1 47 | 7 38 | 11 47 | 20 2 | 20 13 | 24 23 | 8 35 | 0 49 |
| T 25 | 6 52 | 23 0 | 0s58 | 16 37 | 1 59 | 8 45 | 0 27 | 10 14 | 2 22 | 18 20 | 0 35 | 15 31 | 1 55 | 22 50 | 0 3 | 16 24 | 1 47 | 7 39 | 11 47 | 20 2 | 20 12 | 24 22 | 8 36 | 0 49 |
| W26 | 6 29 | 25 31 | 2 7 | 16 11 | 2 3 | 9 15 | 0 31 | 10 15 | 2 22 | 18 23 | 0 35 | 15 33 | 1 54 | 22 50 | 0 3 | 16 24 | 1 47 | 7 39 | 11 46 | 20 2 | 20 11 | 24 20 | 8 38 | 0 49 |
| T 27 | 6 6 | 26 29 | 3 11 | 15 43 | 2 6 | 9 45 | 0 34 | 10 17 | 2 22 | 18 25 | 0 35 | 15 34 | 1 54 | 22 50 | 0 3 | 16 23 | 1 48 | 7 40 | 11 46 | 20 1 | 20 11 | 24 19 | 8 39 | 0 49 |
| F 28 | 5s43 | 25s40 | 4s 3 | 15s14 | 2s 9 | 10n14 | 0n38 | 10s18 | 2n22 | 18n27 | 0s35 | 15n36 | 1s54 | 22s50 | 0s 3 | 16s23 | 1n48 | 7n40 | 11s46 | 20n 0 | 20n10 | 24n18 | 8n40 | 0n49 |

Julian Day Number = 2140030.5, Delta T = 15m26s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°50'56, Lahiri = 11°57'56 Julian Calendar 1 Feb. 1147 == Greg. Calendar 8 Feb. 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## MARCH 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 58 34 | 16♓33'00 | 7♒ 9 | 26♒40 | 25♈58 | 2♏53 | 24♉46 | 18♉36 | 15♐47 | 21°R 6 | 24♉59 | 28°R47 | 29♉34 | 1♌49 | 20♈12 | S 1 |
| S 2 | 11 2 31 | 17°32'35 | 22° 4 | 28°16 | 27° 8 | 2°55 | 24°55 | 18°41 | 15°48 | 21♏ 5 | 24°59 | 28♉38 | 29°31 | 1°56 | 20°16 | S 2 |
| M 3 | 11 6 28 | 18°32'08 | 7♓ 1 | 29°54 | 28°18 | 2°56 | 25° 4 | 18°46 | 15°49 | 21° 5 | 25° 0 | 28°27 | 29°28 | 2° 3 | 20°19 | M 3 |
| T 4 | 11 10 24 | 19°31'39 | 21°50 | 1♓32 | 29°28 | 2°R56 | 25°13 | 18°51 | 15°49 | 21° 4 | 25° 1 | 28°16 | 29°25 | 2° 9 | 20°22 | T 4 |
| W 5 | 11 14 21 | 20°31'07 | 6♈23 | 3°12 | 0♉38 | 2°55 | 25°22 | 18°57 | 15°50 | 21° 4 | 25° 1 | 28° 7 | 29°22 | 2°16 | 20°26 | W 5 |
| T 6 | 11 18 17 | 21°30'34 | 20°33 | 4°53 | 1°48 | 2°54 | 25°31 | 19° 2 | 15°50 | 21° 3 | 25° 2 | 27°59 | 29°18 | 2°23 | 20°29 | T 6 |
| F 7 | 11 22 14 | 22°29'58 | 4♉17 | 6°36 | 2°58 | 2°52 | 25°41 | 19° 7 | 15°51 | 21° 2 | 25° 3 | 27°55 | 29°15 | 2°29 | 20°32 | F 7 |
| S 8 | 11 26 10 | 23°29'20 | 17°32 | 8°20 | 4° 7 | 2°49 | 25°50 | 19°13 | 15°51 | 21° 2 | 25° 3 | 27°52 | 29°12 | 2°36 | 20°36 | S 8 |
| S 9 | 11 30 7 | 24°28'40 | 0♊23 | 10° 5 | 5°16 | 2°45 | 26° 0 | 19°18 | 15°51 | 21° 1 | 25° 4 | 27°D52 | 29° 9 | 2°43 | 20°39 | S 9 |
| M10 | 11 34 3 | 25°27'58 | 12°51 | 11°51 | 6°26 | 2°40 | 26°10 | 19°24 | 15°52 | 21° 0 | 25° 5 | 27°52 | 29° 6 | 2°50 | 20°43 | M10 |
| T 11 | 11 38 0 | 26°27'13 | 25° 2 | 13°39 | 7°35 | 2°35 | 26°20 | 19°30 | 15°52 | 21° 0 | 25° 6 | 27°R53 | 29° 3 | 2°56 | 20°46 | T 11 |
| W12 | 11 41 57 | 27°26'26 | 7♋ 1 | 15°29 | 8°44 | 2°29 | 26°30 | 19°35 | 15°52 | 20°59 | 25° 6 | 27°52 | 28°59 | 3° 3 | 20°50 | W12 |
| T 13 | 11 45 53 | 28°25'36 | 18°53 | 17°19 | 9°52 | 2°23 | 26°40 | 19°41 | 15°52 | 20°58 | 25° 7 | 27°50 | 28°56 | 3°10 | 20°53 | T 13 |
| F 14 | 11 49 50 | 29°24'44 | 0♌44 | 19°11 | 11° 1 | 2°15 | 26°50 | 19°47 | 15°52 | 20°57 | 25° 8 | 27°45 | 28°53 | 3°16 | 20°57 | F 14 |
| S 15 | 11 53 46 | 0♈23'50 | 12°36 | 21° 5 | 12° 9 | 2° 7 | 27° 1 | 19°53 | 15°R52 | 20°56 | 25° 9 | 27°38 | 28°50 | 3°23 | 21° 0 | S 15 |
| S 16 | 11 57 43 | 1°22'53 | 24°35 | 22°59 | 13°18 | 1°58 | 27°11 | 19°59 | 15°52 | 20°55 | 25°10 | 27°29 | 28°47 | 3°30 | 21° 4 | S 16 |
| M17 | 12 1 39 | 2°21'55 | 6♍42 | 24°55 | 14°26 | 1°48 | 27°22 | 20° 5 | 15°52 | 20°54 | 25°11 | 27°19 | 28°44 | 3°37 | 21° 7 | M17 |
| T 18 | 12 5 36 | 3°20'53 | 19° 0 | 26°53 | 15°34 | 1°37 | 27°32 | 20°11 | 15°52 | 20°54 | 25°11 | 27° 9 | 28°40 | 3°43 | 21°11 | T 18 |
| W19 | 12 9 32 | 4°19'50 | 1♎30 | 28°52 | 16°41 | 1°26 | 27°43 | 20°17 | 15°52 | 20°53 | 25°12 | 26°59 | 28°37 | 3°50 | 21°15 | W19 |
| T 20 | 12 13 29 | 5°18'45 | 14°11 | 0♈52 | 17°49 | 1°14 | 27°54 | 20°24 | 15°51 | 20°52 | 25°13 | 26°51 | 28°34 | 3°57 | 21°18 | T 20 |
| F 21 | 12 17 25 | 6°17'38 | 27° 4 | 2°53 | 18°56 | 1° 1 | 28° 5 | 20°30 | 15°51 | 20°51 | 25°14 | 26°45 | 28°31 | 4° 3 | 21°22 | F 21 |
| S 22 | 12 21 22 | 7°16'29 | 10♏ 9 | 4°56 | 20° 4 | 0°48 | 28°16 | 20°36 | 15°51 | 20°50 | 25°15 | 26°42 | 28°28 | 4°10 | 21°26 | S 22 |
| S 23 | 12 25 19 | 8°15'18 | 23°25 | 6°59 | 21°11 | 0°34 | 28°27 | 20°43 | 15°50 | 20°48 | 25°16 | 26°D41 | 28°24 | 4°17 | 21°29 | S 23 |
| M24 | 12 29 15 | 9°14'05 | 6♐53 | 9° 4 | 22°18 | 0°19 | 28°38 | 20°49 | 15°50 | 20°47 | 25°17 | 26°41 | 28°21 | 4°24 | 21°33 | M24 |
| T 25 | 12 33 12 | 10°12'50 | 20°33 | 11° 9 | 23°24 | 0° 3 | 28°49 | 20°56 | 15°49 | 20°46 | 25°18 | 26°42 | 28°18 | 4°30 | 21°37 | T 25 |
| W26 | 12 37 8 | 11°11'34 | 4♑25 | 13°15 | 24°31 | 29♎47 | 29° 1 | 21° 2 | 15°49 | 20°45 | 25°19 | 26°43 | 28°15 | 4°37 | 21°40 | W26 |
| T 27 | 12 41 5 | 12°10'16 | 18°30 | 15°22 | 25°37 | 29°30 | 29°12 | 21° 9 | 15°48 | 20°44 | 25°20 | 26°R43 | 28°12 | 4°44 | 21°44 | T 27 |
| F 28 | 12 45 1 | 13° 8'57 | 2♒45 | 17°28 | 26°43 | 29°13 | 29°24 | 21°16 | 15°48 | 20°43 | 25°21 | 26°41 | 28° 9 | 4°50 | 21°48 | F 28 |
| S 29 | 12 48 58 | 14° 7'36 | 17°10 | 19°35 | 27°49 | 28°55 | 29°35 | 21°23 | 15°47 | 20°42 | 25°22 | 26°38 | 28° 5 | 4°57 | 21°52 | S 29 |
| S 30 | 12 52 55 | 15° 6'12 | 1♓40 | 21°42 | 28°54 | 28°36 | 29°47 | 21°29 | 15°46 | 20°40 | 25°23 | 26°33 | 28° 2 | 5° 4 | 21°55 | S 30 |
| M31 | 12 56 51 | 16♈ 4'48 | 16♓10 | 23♈48 | 29♉59 | 28♎17 | 29♉59 | 21♉36 | 15♐45 | 20♏39 | 25♉24 | 26♉27 | 27♉59 | 5♌10 | 21♈59 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s20 | 23s 5 | 4s41 | 14s44 | 2s11 | 10n44 | 0n42 | 10s19 | 2n22 | 18n29 | 0s34 | 15n37 | 1s54 | 22s50 | 0s 3 | 16s23 | 1n48 | 7n40 | 11s46 | 19n59 | 20n 9 | 24n17 | 8n41 | 0n49 |
| S 2 | 4 57 | 18 56 | 5 0 | 14 12 | 2 13 | 11 13 | 0 46 | 10 20 | 2 21 | 18 32 | 0 34 | 15 39 | 1 53 | 22 50 | 0 3 | 16 23 | 1 48 | 7 41 | 11 45 | 19 57 | 20 9 | 24 16 | 8 42 | 0 49 |
| M 3 | 4 33 | 13 35 | 4 58 | 13 39 | 2 14 | 11 42 | 0 50 | 10 20 | 2 21 | 18 34 | 0 34 | 15 40 | 1 53 | 22 50 | 0 3 | 16 23 | 1 48 | 7 41 | 11 45 | 19 54 | 20 8 | 24 15 | 8 43 | 0 48 |
| T 4 | 4 10 | 7 29 | 4 37 | 13 5 | 2 15 | 12 10 | 0 53 | 10 20 | 2 21 | 18 37 | 0 34 | 15 42 | 1 53 | 22 50 | 0 3 | 16 23 | 1 48 | 7 42 | 11 45 | 19 52 | 20 7 | 24 14 | 8 44 | 0 48 |
| W 5 | 3 46 | 1 5 | 3 58 | 12 29 | 2 16 | 12 38 | 0 57 | 10 20 | 2 21 | 18 39 | 0 34 | 15 44 | 1 53 | 22 50 | 0 3 | 16 22 | 1 48 | 7 42 | 11 45 | 19 50 | 20 6 | 24 12 | 8 46 | 0 48 |
| T 6 | 3 23 | 5n13 | 3 5 | 11 52 | 2 16 | 13 6 | 1 1 | 10 20 | 2 20 | 18 41 | 0 33 | 15 45 | 1 52 | 22 50 | 0 3 | 16 22 | 1 48 | 7 42 | 11 44 | 19 48 | 20 6 | 24 11 | 8 47 | 0 48 |
| F 7 | 2 59 | 11 5 | 2 2 | 11 14 | 2 16 | 13 34 | 1 5 | 10 20 | 2 20 | 18 44 | 0 33 | 15 47 | 1 52 | 22 50 | 0 3 | 16 22 | 1 48 | 7 43 | 11 44 | 19 47 | 20 5 | 24 10 | 8 48 | 0 48 |
| S 8 | 2 36 | 16 16 | 0 55 | 10 34 | 2 15 | 14 2 | 1 9 | 10 19 | 2 19 | 18 46 | 0 33 | 15 49 | 1 52 | 22 50 | 0 3 | 16 22 | 1 48 | 7 43 | 11 44 | 19 47 | 20 4 | 24 9 | 8 49 | 0 48 |
| S 9 | 2 12 | 20 33 | 0n13 | 9 53 | 2 13 | 14 29 | 1 12 | 10 18 | 2 19 | 18 49 | 0 33 | 15 51 | 1 52 | 22 50 | 0 3 | 16 21 | 1 48 | 7 44 | 11 44 | 19 47 | 20 4 | 24 8 | 8 50 | 0 48 |
| M10 | 1 49 | 23 45 | 1 19 | 9 10 | 2 11 | 14 55 | 1 16 | 10 17 | 2 18 | 18 51 | 0 33 | 15 52 | 1 52 | 22 50 | 0 3 | 16 21 | 1 48 | 7 44 | 11 43 | 19 47 | 20 3 | 24 6 | 8 52 | 0 48 |
| T 11 | 1 25 | 25 47 | 2 20 | 8 26 | 2 9 | 15 22 | 1 20 | 10 16 | 2 18 | 18 54 | 0 32 | 15 54 | 1 51 | 22 51 | 0 3 | 16 21 | 1 48 | 7 44 | 11 43 | 19 47 | 20 2 | 24 5 | 8 53 | 0 48 |
| W12 | 1 1 | 26 35 | 3 13 | 7 41 | 2 6 | 15 48 | 1 24 | 10 15 | 2 17 | 18 56 | 0 32 | 15 56 | 1 51 | 22 51 | 0 3 | 16 21 | 1 48 | 7 45 | 11 43 | 19 47 | 20 2 | 24 4 | 8 54 | 0 48 |
| T 13 | 0 38 | 26 8 | 3 58 | 6 55 | 2 3 | 16 14 | 1 28 | 10 13 | 2 17 | 18 59 | 0 32 | 15 58 | 1 51 | 22 51 | 0 3 | 16 20 | 1 48 | 7 45 | 11 43 | 19 46 | 20 1 | 24 3 | 8 55 | 0 48 |
| F 14 | 0 14 | 24 30 | 4 32 | 6 7 | 1 59 | 16 39 | 1 31 | 10 11 | 2 16 | 19 1 | 0 32 | 15 59 | 1 51 | 22 51 | 0 3 | 16 20 | 1 48 | 7 46 | 11 42 | 19 45 | 20 0 | 24 2 | 8 57 | 0 47 |
| S 15 | 0n10 | 21 48 | 4 54 | 5 18 | 1 55 | 17 4 | 1 35 | 10 9 | 2 15 | 19 4 | 0 32 | 16 1 | 1 51 | 22 51 | 0 3 | 16 20 | 1 48 | 7 46 | 11 42 | 19 44 | 20 0 | 24 0 | 8 58 | 0 47 |
| S 16 | 0 33 | 18 10 | 5 4 | 4 28 | 1 50 | 17 28 | 1 39 | 10 7 | 2 14 | 19 7 | 0 32 | 16 3 | 1 50 | 22 51 | 0 3 | 16 20 | 1 48 | 7 47 | 11 42 | 19 42 | 19 59 | 23 59 | 8 59 | 0 47 |
| M17 | 0 57 | 13 44 | 5 1 | 3 37 | 1 44 | 17 52 | 1 43 | 10 4 | 2 13 | 19 9 | 0 31 | 16 5 | 1 50 | 22 51 | 0 3 | 16 19 | 1 48 | 7 47 | 11 42 | 19 39 | 19 58 | 23 58 | 9 0 | 0 47 |
| T 18 | 1 20 | 8 42 | 4 43 | 2 45 | 1 38 | 18 16 | 1 46 | 10 1 | 2 12 | 19 12 | 0 31 | 16 7 | 1 50 | 22 51 | 0 3 | 16 19 | 1 48 | 7 47 | 11 41 | 19 37 | 19 57 | 23 57 | 9 2 | 0 47 |
| W19 | 1 44 | 3 15 | 4 12 | 1 51 | 1 32 | 18 39 | 1 50 | 9 58 | 2 11 | 19 14 | 0 31 | 16 8 | 1 50 | 22 51 | 0 3 | 16 19 | 1 49 | 7 48 | 11 41 | 19 35 | 19 57 | 23 55 | 9 3 | 0 47 |
| T 20 | 2 7 | 2s26 | 3 28 | 0 57 | 1 25 | 19 2 | 1 54 | 9 55 | 2 10 | 19 17 | 0 31 | 16 10 | 1 50 | 22 51 | 0 3 | 16 19 | 1 49 | 7 48 | 11 41 | 19 33 | 19 56 | 23 54 | 9 4 | 0 47 |
| F 21 | 2 31 | 8 7 | 2 32 | 0 2 | 1 17 | 19 25 | 1 57 | 9 52 | 2 9 | 19 20 | 0 31 | 16 12 | 1 49 | 22 51 | 0 3 | 16 18 | 1 49 | 7 49 | 11 41 | 19 31 | 19 55 | 23 53 | 9 6 | 0 47 |
| S 22 | 2 54 | 13 33 | 1 28 | 0n54 | 1 9 | 19 47 | 2 1 | 9 48 | 2 8 | 19 22 | 0 31 | 16 14 | 1 49 | 22 51 | 0 3 | 16 18 | 1 49 | 7 49 | 11 40 | 19 31 | 19 55 | 23 52 | 9 7 | 0 47 |
| S 23 | 3 17 | 18 26 | 0 18 | 1 51 | 1 1 | 20 8 | 2 4 | 9 45 | 2 7 | 19 25 | 0 30 | 16 16 | 1 49 | 22 51 | 0 3 | 16 18 | 1 49 | 7 50 | 11 40 | 19 30 | 19 54 | 23 50 | 9 8 | 0 47 |
| M24 | 3 41 | 22 28 | 0s55 | 2 49 | 0 52 | 20 29 | 2 8 | 9 41 | 2 5 | 19 27 | 0 30 | 16 18 | 1 49 | 22 50 | 0 3 | 16 17 | 1 49 | 7 50 | 11 40 | 19 30 | 19 53 | 23 49 | 9 10 | 0 47 |
| T 25 | 4 4 | 25 18 | 2 5 | 3 47 | 0 42 | 20 49 | 2 11 | 9 36 | 2 4 | 19 30 | 0 30 | 16 20 | 1 49 | 22 50 | 0 3 | 16 17 | 1 49 | 7 50 | 11 40 | 19 31 | 19 52 | 23 48 | 9 11 | 0 47 |
| W26 | 4 27 | 26 38 | 3 9 | 4 45 | 0 33 | 21 9 | 2 14 | 9 32 | 2 3 | 19 33 | 0 30 | 16 22 | 1 48 | 22 50 | 0 3 | 16 17 | 1 49 | 7 51 | 11 40 | 19 31 | 19 52 | 23 46 | 9 12 | 0 46 |
| T 27 | 4 50 | 26 17 | 4 3 | 5 44 | 0 23 | 21 29 | 2 18 | 9 28 | 2 1 | 19 35 | 0 30 | 16 23 | 1 48 | 22 50 | 0 3 | 16 16 | 1 49 | 7 51 | 11 39 | 19 31 | 19 51 | 23 45 | 9 14 | 0 46 |
| F 28 | 5 13 | 24 13 | 4 43 | 6 42 | 0 12 | 21 48 | 2 21 | 9 23 | 2 0 | 19 38 | 0 30 | 16 25 | 1 48 | 22 50 | 0 3 | 16 16 | 1 49 | 7 52 | 11 39 | 19 30 | 19 50 | 23 44 | 9 15 | 0 46 |
| S 29 | 5 36 | 20 36 | 5 5 | 7 40 | 0 2 | 22 6 | 2 24 | 9 18 | 1 58 | 19 41 | 0 29 | 16 27 | 1 48 | 22 50 | 0 3 | 16 16 | 1 49 | 7 52 | 11 39 | 19 30 | 19 50 | 23 42 | 9 16 | 0 46 |
| S 30 | 5 59 | 15 43 | 5 8 | 8 38 | 0n 9 | 22 24 | 2 27 | 9 13 | 1 56 | 19 43 | 0 29 | 16 29 | 1 48 | 22 50 | 0 3 | 16 15 | 1 49 | 7 53 | 11 39 | 19 28 | 19 49 | 23 41 | 9 18 | 0 46 |
| M31 | 6n21 | 9s57 | 4s51 | 9n35 | 0n20 | 22n42 | 2n31 | 9s 8 | 1n55 | 19n46 | 0s29 | 16n31 | 1s48 | 22s50 | 0s 3 | 16s15 | 1n49 | 7n53 | 11s39 | 19n27 | 19n48 | 23n40 | 9n19 | 0n46 |

Julian Day Number = 2140058.5, Delta T = 15m25s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'00, Lahiri = 11°58'00 Julian Calendar 1 March 1147 == Greg. Calendar 8 March 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## APRIL 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 0 48 | 17♈ 3'21 | 0♈33 | 25♈53 | 1♊ 5 | 27°R58 | 0♊11 | 21♉43 | 15°R44 | 20°R38 | 25♉26 | 26°R21 | 27♉56 | 5♌17 | 22♈ 3 | T 1 |
| W 2 | 13 4 44 | 18° 1'52 | 14°45 | 27°56 | 2°10 | 27♎38 | 0°23 | 21°50 | 15♐44 | 20♏37 | 25°27 | 26♉15 | 27°53 | 5°24 | 22° 7 | W 2 |
| T 3 | 13 8 41 | 19° 0'22 | 28°39 | 29°59 | 3°15 | 27°17 | 0°35 | 21°57 | 15°43 | 20°35 | 25°28 | 26°11 | 27°50 | 5°31 | 22°10 | T 3 |
| F 4 | 13 12 37 | 19°58'49 | 12♉12 | 1♉59 | 4°19 | 26°56 | 0°47 | 22° 4 | 15°42 | 20°34 | 25°29 | 26° 8 | 27°46 | 5°37 | 22°14 | F 4 |
| S 5 | 13 16 34 | 20°57'15 | 25°24 | 3°57 | 5°23 | 26°35 | 0°59 | 22°11 | 15°41 | 20°33 | 25°30 | 26°D 7 | 27°43 | 5°44 | 22°18 | S 5 |
| S 6 | 13 20 30 | 21°55'39 | 8♊13 | 5°53 | 6°27 | 26°14 | 1°11 | 22°18 | 15°40 | 20°31 | 25°31 | 26° 8 | 27°40 | 5°51 | 22°22 | S 6 |
| M 7 | 13 24 27 | 22°54'00 | 20°43 | 7°46 | 7°31 | 25°52 | 1°23 | 22°25 | 15°38 | 20°30 | 25°32 | 26° 9 | 27°37 | 5°57 | 22°25 | M 7 |
| T 8 | 13 28 23 | 23°52'20 | 2♋57 | 9°37 | 8°34 | 25°30 | 1°35 | 22°33 | 15°37 | 20°28 | 25°34 | 26°11 | 27°34 | 6° 4 | 22°29 | T 8 |
| W 9 | 13 32 20 | 24°50'37 | 14°58 | 11°23 | 9°37 | 25° 8 | 1°48 | 22°40 | 15°36 | 20°27 | 25°35 | 26°12 | 27°30 | 6°11 | 22°33 | W 9 |
| T 10 | 13 36 17 | 25°48'53 | 26°53 | 13° 7 | 10°40 | 24°46 | 2° 0 | 22°47 | 15°35 | 20°26 | 25°36 | 26°R13 | 27°27 | 6°18 | 22°37 | T 10 |
| F 11 | 13 40 13 | 26°47'06 | 8♌45 | 14°47 | 11°42 | 24°24 | 2°13 | 22°54 | 15°33 | 20°24 | 25°37 | 26°12 | 27°24 | 6°24 | 22°41 | F 11 |
| S 12 | 13 44 10 | 27°45'17 | 20°40 | 16°23 | 12°45 | 24° 2 | 2°25 | 23° 2 | 15°32 | 20°23 | 25°38 | 26°10 | 27°21 | 6°31 | 22°44 | S 12 |
| S 13 | 13 48 6 | 28°43'26 | 2♍41 | 17°55 | 13°46 | 23°40 | 2°38 | 23° 9 | 15°31 | 20°21 | 25°40 | 26° 7 | 27°18 | 6°38 | 22°48 | S 13 |
| M14 | 13 52 3 | 29°41'33 | 14°53 | 19°24 | 14°48 | 23°17 | 2°51 | 23°16 | 15°29 | 20°20 | 25°41 | 26° 3 | 27°15 | 6°44 | 22°52 | M14 |
| T 15 | 13 55 59 | 0♉39'39 | 27°18 | 20°48 | 15°49 | 22°55 | 3° 3 | 23°24 | 15°28 | 20°18 | 25°42 | 25°59 | 27°11 | 6°51 | 22°56 | T 15 |
| W16 | 13 59 56 | 1°37'42 | 9♎59 | 22° 8 | 16°50 | 22°34 | 3°16 | 23°31 | 15°26 | 20°17 | 25°43 | 25°55 | 27° 8 | 6°58 | 22°59 | W16 |
| T 17 | 14 3 52 | 2°35'43 | 22°56 | 23°24 | 17°50 | 22°12 | 3°29 | 23°39 | 15°25 | 20°15 | 25°45 | 25°52 | 27° 5 | 7° 5 | 23° 3 | T 17 |
| F 18 | 14 7 49 | 3°33'43 | 6♏ 9 | 24°35 | 18°50 | 21°50 | 3°42 | 23°46 | 15°23 | 20°14 | 25°46 | 25°49 | 27° 2 | 7°11 | 23° 7 | F 18 |
| S 19 | 14 11 46 | 4°31'42 | 19°37 | 25°42 | 19°50 | 21°29 | 3°55 | 23°54 | 15°22 | 20°12 | 25°47 | 25°D48 | 26°59 | 7°18 | 23°10 | S 19 |
| S 20 | 14 15 42 | 5°29'38 | 3♐18 | 26°45 | 20°49 | 21° 8 | 4° 7 | 24° 1 | 15°20 | 20°11 | 25°48 | 25°48 | 26°55 | 7°25 | 23°14 | S 20 |
| M21 | 14 19 39 | 6°27'34 | 17°11 | 27°43 | 21°48 | 20°48 | 4°20 | 24° 9 | 15°18 | 20° 9 | 25°50 | 25°49 | 26°52 | 7°31 | 23°18 | M21 |
| T 22 | 14 23 35 | 7°25'28 | 1♑12 | 28°37 | 22°47 | 20°28 | 4°34 | 24°16 | 15°17 | 20° 7 | 25°51 | 25°50 | 26°49 | 7°38 | 23°22 | T 22 |
| W23 | 14 27 32 | 8°23'20 | 15°20 | 29°26 | 23°45 | 20° 8 | 4°47 | 24°24 | 15°15 | 20° 6 | 25°52 | 25°52 | 26°46 | 7°45 | 23°25 | W23 |
| T 24 | 14 31 28 | 9°21'12 | 29°31 | 0♊10 | 24°42 | 19°49 | 5° 0 | 24°32 | 15°13 | 20° 4 | 25°54 | 25°52 | 26°43 | 7°52 | 23°29 | T 24 |
| F 25 | 14 35 25 | 10°19'02 | 13♒45 | 0°50 | 25°39 | 19°30 | 5°13 | 24°39 | 15°11 | 20° 3 | 25°55 | 25°R53 | 26°40 | 7°58 | 23°33 | F 25 |
| S 26 | 14 39 21 | 11°16'51 | 27°58 | 1°24 | 26°36 | 19°12 | 5°26 | 24°47 | 15° 9 | 20° 1 | 25°56 | 25°52 | 26°36 | 8° 5 | 23°36 | S 26 |
| S 27 | 14 43 18 | 12°14'38 | 12♓ 8 | 1°54 | 27°32 | 18°55 | 5°39 | 24°55 | 15° 7 | 19°59 | 25°58 | 25°51 | 26°33 | 8°12 | 23°40 | S 27 |
| M28 | 14 47 15 | 13°12'25 | 26°12 | 2°19 | 28°27 | 18°38 | 5°53 | 25° 2 | 15° 5 | 19°58 | 25°59 | 25°50 | 26°30 | 8°18 | 23°43 | M28 |
| T 29 | 14 51 11 | 14°10'10 | 10♈ 7 | 2°39 | 29°23 | 18°21 | 6° 6 | 25°10 | 15° 3 | 19°56 | 26° 0 | 25°48 | 26°27 | 8°25 | 23°47 | T 29 |
| W30 | 14 55 8 | 15♉ 7'54 | 23♈51 | 2♊54 | 0♋17 | 18♎ 6 | 6♊19 | 25♉18 | 15♐ 1 | 19♏55 | 26♉ 2 | 25♉47 | 26♉24 | 8♌32 | 23♈51 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n44 | 3s41 | 4s16 | 10n32 | 0n31 | 22n59 | 2n34 | 9s 3 | 1n53 | 19n49 | 0s29 | 16n33 | 1s47 | 22s50 | 0s 3 | 16s14 | 1n49 | 7n53 | 11s38 | 19n26 | 19n47 | 23n38 | 9n20 | 0n46 |
| W 2 | 7 6 | 2n41 | 3 26 | 11 27 | 0 42 | 23 15 | 2 37 | 8 57 | 1 51 | 19 51 | 0 29 | 16 35 | 1 47 | 22 50 | 0 3 | 16 14 | 1 49 | 7 54 | 11 38 | 19 24 | 19 47 | 23 37 | 9 22 | 0 46 |
| T 3 | 7 29 | 8 48 | 2 24 | 12 21 | 0 53 | 23 31 | 2 40 | 8 52 | 1 49 | 19 54 | 0 29 | 16 37 | 1 47 | 22 50 | 0 3 | 16 14 | 1 49 | 7 54 | 11 38 | 19 23 | 19 46 | 23 36 | 9 23 | 0 46 |
| F 4 | 7 51 | 14 23 | 1 15 | 13 13 | 1 4 | 23 46 | 2 42 | 8 46 | 1 47 | 19 57 | 0 29 | 16 39 | 1 47 | 22 50 | 0 3 | 16 13 | 1 49 | 7 55 | 11 38 | 19 23 | 19 45 | 23 34 | 9 24 | 0 46 |
| S 5 | 8 13 | 19 8 | 0 4 | 14 4 | 1 14 | 24 1 | 2 45 | 8 41 | 1 45 | 19 59 | 0 28 | 16 41 | 1 47 | 22 50 | 0 3 | 16 13 | 1 49 | 7 55 | 11 38 | 19 22 | 19 45 | 23 33 | 9 26 | 0 46 |
| S 6 | 8 35 | 22 51 | 1n 6 | 14 52 | 1 25 | 24 15 | 2 48 | 8 35 | 1 43 | 20 2 | 0 28 | 16 43 | 1 47 | 22 50 | 0 3 | 16 13 | 1 49 | 7 56 | 11 38 | 19 23 | 19 44 | 23 31 | 9 27 | 0 46 |
| M 7 | 8 57 | 25 23 | 2 10 | 15 39 | 1 34 | 24 28 | 2 51 | 8 29 | 1 40 | 20 5 | 0 28 | 16 45 | 1 46 | 22 49 | 0 3 | 16 12 | 1 49 | 7 56 | 11 37 | 19 23 | 19 43 | 23 30 | 9 28 | 0 46 |
| T 8 | 9 18 | 26 39 | 3 8 | 16 24 | 1 43 | 24 41 | 2 53 | 8 23 | 1 38 | 20 7 | 0 28 | 16 47 | 1 46 | 22 49 | 0 3 | 16 12 | 1 49 | 7 56 | 11 37 | 19 23 | 19 42 | 23 29 | 9 30 | 0 46 |
| W 9 | 9 40 | 26 36 | 3 56 | 17 6 | 1 52 | 24 53 | 2 55 | 8 17 | 1 36 | 20 10 | 0 28 | 16 49 | 1 46 | 22 49 | 0 3 | 16 11 | 1 49 | 7 57 | 11 37 | 19 24 | 19 42 | 23 27 | 9 31 | 0 45 |
| T 10 | 10 1 | 25 20 | 4 33 | 17 45 | 2 0 | 25 5 | 2 58 | 8 11 | 1 33 | 20 12 | 0 28 | 16 51 | 1 46 | 22 49 | 0 3 | 16 11 | 1 49 | 7 57 | 11 37 | 19 24 | 19 41 | 23 26 | 9 32 | 0 45 |
| F 11 | 10 22 | 22 57 | 4 59 | 18 23 | 2 8 | 25 16 | 3 0 | 8 5 | 1 31 | 20 15 | 0 27 | 16 53 | 1 46 | 22 49 | 0 3 | 16 11 | 1 49 | 7 58 | 11 37 | 19 24 | 19 40 | 23 24 | 9 34 | 0 45 |
| S 12 | 10 43 | 19 35 | 5 11 | 18 57 | 2 14 | 25 27 | 3 2 | 7 59 | 1 29 | 20 18 | 0 27 | 16 55 | 1 46 | 22 49 | 0 3 | 16 10 | 1 49 | 7 58 | 11 37 | 19 23 | 19 40 | 23 23 | 9 35 | 0 45 |
| S 13 | 11 4 | 15 23 | 5 11 | 19 30 | 2 20 | 25 37 | 3 4 | 7 54 | 1 26 | 20 20 | 0 27 | 16 57 | 1 46 | 22 49 | 0 3 | 16 10 | 1 49 | 7 59 | 11 36 | 19 22 | 19 39 | 23 22 | 9 36 | 0 45 |
| M14 | 11 25 | 10 32 | 4 56 | 19 59 | 2 25 | 25 46 | 3 6 | 7 48 | 1 24 | 20 23 | 0 27 | 16 59 | 1 45 | 22 49 | 0 3 | 16 9 | 1 49 | 7 59 | 11 36 | 19 21 | 19 38 | 23 20 | 9 38 | 0 45 |
| T 15 | 11 45 | 5 10 | 4 28 | 20 26 | 2 30 | 25 55 | 3 8 | 7 42 | 1 21 | 20 26 | 0 27 | 17 1 | 1 45 | 22 48 | 0 3 | 16 9 | 1 49 | 7 59 | 11 36 | 19 20 | 19 37 | 23 19 | 9 39 | 0 45 |
| W16 | 12 6 | 0s31 | 3 45 | 20 51 | 2 33 | 26 3 | 3 10 | 7 36 | 1 18 | 20 28 | 0 27 | 17 3 | 1 45 | 22 48 | 0 3 | 16 9 | 1 49 | 8 0 | 11 36 | 19 19 | 19 37 | 23 17 | 9 40 | 0 45 |
| T 17 | 12 26 | 6 19 | 2 51 | 21 13 | 2 36 | 26 10 | 3 12 | 7 31 | 1 16 | 20 31 | 0 27 | 17 4 | 1 45 | 22 48 | 0 3 | 16 8 | 1 49 | 8 0 | 11 36 | 19 19 | 19 36 | 23 16 | 9 42 | 0 45 |
| F 18 | 12 46 | 11 58 | 1 46 | 21 33 | 2 37 | 26 17 | 3 13 | 7 25 | 1 13 | 20 33 | 0 27 | 17 6 | 1 45 | 22 48 | 0 3 | 16 8 | 1 49 | 8 1 | 11 36 | 19 18 | 19 35 | 23 14 | 9 43 | 0 45 |
| S 19 | 13 5 | 17 10 | 0 34 | 21 50 | 2 38 | 26 23 | 3 14 | 7 20 | 1 10 | 20 36 | 0 26 | 17 8 | 1 45 | 22 48 | 0 3 | 16 7 | 1 49 | 8 1 | 11 36 | 19 18 | 19 34 | 23 13 | 9 44 | 0 45 |
| S 20 | 13 25 | 21 35 | 0s41 | 22 5 | 2 38 | 26 29 | 3 16 | 7 15 | 1 8 | 20 38 | 0 26 | 17 10 | 1 45 | 22 48 | 0 3 | 16 7 | 1 49 | 8 1 | 11 35 | 19 18 | 19 34 | 23 11 | 9 46 | 0 45 |
| M21 | 13 44 | 24 50 | 1 55 | 22 17 | 2 36 | 26 34 | 3 17 | 7 9 | 1 5 | 20 41 | 0 26 | 17 12 | 1 45 | 22 47 | 0 3 | 16 6 | 1 49 | 8 2 | 11 35 | 19 18 | 19 33 | 23 10 | 9 47 | 0 45 |
| T 22 | 14 3 | 26 36 | 3 3 | 22 27 | 2 34 | 26 39 | 3 18 | 7 4 | 1 2 | 20 43 | 0 26 | 17 14 | 1 45 | 22 47 | 0 3 | 16 6 | 1 49 | 8 2 | 11 35 | 19 18 | 19 32 | 23 8 | 9 48 | 0 45 |
| W23 | 14 22 | 26 38 | 4 0 | 22 35 | 2 31 | 26 43 | 3 19 | 7 0 | 0 59 | 20 46 | 0 26 | 17 16 | 1 44 | 22 47 | 0 3 | 16 6 | 1 49 | 8 3 | 11 35 | 19 19 | 19 31 | 23 7 | 9 50 | 0 45 |
| T 24 | 14 41 | 24 57 | 4 43 | 22 40 | 2 26 | 26 46 | 3 20 | 6 55 | 0 56 | 20 48 | 0 26 | 17 18 | 1 44 | 22 47 | 0 3 | 16 5 | 1 49 | 8 3 | 11 35 | 19 19 | 19 31 | 23 5 | 9 51 | 0 45 |
| F 25 | 14 59 | 21 42 | 5 9 | 22 43 | 2 21 | 26 49 | 3 20 | 6 50 | 0 54 | 20 51 | 0 26 | 17 20 | 1 44 | 22 47 | 0 3 | 16 5 | 1 49 | 8 3 | 11 35 | 19 19 | 19 30 | 23 4 | 9 52 | 0 44 |
| S 26 | 15 17 | 17 10 | 5 15 | 22 44 | 2 15 | 26 51 | 3 21 | 6 46 | 0 51 | 20 53 | 0 26 | 17 22 | 1 44 | 22 46 | 0 3 | 16 4 | 1 50 | 8 4 | 11 35 | 19 19 | 19 29 | 23 2 | 9 54 | 0 44 |
| S 27 | 15 35 | 11 42 | 5 3 | 22 43 | 2 7 | 26 53 | 3 21 | 6 42 | 0 48 | 20 56 | 0 25 | 17 24 | 1 44 | 22 46 | 0 3 | 16 4 | 1 50 | 8 4 | 11 35 | 19 19 | 19 29 | 23 1 | 9 55 | 0 44 |
| M28 | 15 53 | 5 41 | 4 33 | 22 40 | 1 59 | 26 54 | 3 21 | 6 38 | 0 45 | 20 58 | 0 25 | 17 26 | 1 44 | 22 46 | 0 3 | 16 3 | 1 50 | 8 5 | 11 35 | 19 18 | 19 28 | 22 59 | 9 56 | 0 44 |
| T 29 | 16 10 | 0n34 | 3 46 | 22 34 | 1 49 | 26 54 | 3 21 | 6 35 | 0 42 | 21 1 | 0 25 | 17 28 | 1 44 | 22 46 | 0 3 | 16 3 | 1 50 | 8 5 | 11 35 | 19 18 | 19 27 | 22 58 | 9 57 | 0 44 |
| W30 | 16n27 | 6n42 | 2s47 | 22n27 | 1n39 | 26n54 | 3n21 | 6s31 | 0n39 | 21n 3 | 0s25 | 17n30 | 1s44 | 22s46 | 0s 3 | 16s 2 | 1n50 | 8n 5 | 11s34 | 19n18 | 19n26 | 22n56 | 9n59 | 0n44 |

Julian Day Number = 2140089.5, Delta T = 15m25s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'04, Lahiri = 11°58'04 Julian Calendar 1 Apr. 1147 == Greg. Calendar 8 Apr. 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## MAY 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 59 4 | 16♉ 5'37 | 7♉20 | 3♊ 5 | 1♋11 | 17°R51 | 6♊33 | 25♉26 | 14°R59 | 19°R53 | 26♉ 3 | 25°R46 | 26♉21 | 8♌39 | 23♈54 | T 1 |
| F 2 | 15 3 1 | 17° 3'19 | 20°34 | 3°10 | 2° 5 | 17♎37 | 6°46 | 25°33 | 14♐57 | 19♏51 | 26° 4 | 25°D45 | 26°17 | 8°45 | 23°58 | F 2 |
| S 3 | 15 6 57 | 18° 0'59 | 3♊32 | 3°R11 | 2°57 | 17°23 | 6°59 | 25°41 | 14°55 | 19°50 | 26° 6 | 25♉45 | 26°14 | 8°52 | 24° 1 | S 3 |
| S 4 | 15 10 54 | 18°58'38 | 16°12 | 3° 7 | 3°50 | 17°10 | 7°13 | 25°49 | 14°53 | 19°48 | 26° 7 | 25°46 | 26°11 | 8°59 | 24° 5 | S 4 |
| M 5 | 15 14 50 | 19°56'15 | 28°38 | 2°59 | 4°41 | 16°58 | 7°26 | 25°57 | 14°51 | 19°46 | 26° 8 | 25°46 | 26° 8 | 9° 6 | 24° 8 | M 5 |
| T 6 | 15 18 47 | 20°53'51 | 10♋50 | 2°46 | 5°32 | 16°47 | 7°40 | 26° 5 | 14°49 | 19°45 | 26°10 | 25°47 | 26° 5 | 9°12 | 24°12 | T 6 |
| W 7 | 15 22 44 | 21°51'26 | 22°51 | 2°29 | 6°22 | 16°37 | 7°54 | 26°12 | 14°47 | 19°43 | 26°11 | 25°47 | 26° 1 | 9°19 | 24°15 | W 7 |
| T 8 | 15 26 40 | 22°48'59 | 4♌47 | 2° 9 | 7°12 | 16°27 | 8° 7 | 26°20 | 14°45 | 19°42 | 26°13 | 25°48 | 25°58 | 9°26 | 24°19 | T 8 |
| F 9 | 15 30 37 | 23°46'31 | 16°39 | 1°45 | 8° 0 | 16°18 | 8°21 | 26°28 | 14°42 | 19°40 | 26°14 | 25°48 | 25°55 | 9°32 | 24°22 | F 9 |
| S 10 | 15 34 33 | 24°44'02 | 28°35 | 1°18 | 8°48 | 16°10 | 8°34 | 26°36 | 14°40 | 19°38 | 26°15 | 25°R48 | 25°52 | 9°39 | 24°25 | S 10 |
| S 11 | 15 38 30 | 25°41'31 | 10♍36 | 0°49 | 9°35 | 16° 3 | 8°48 | 26°44 | 14°38 | 19°37 | 26°17 | 25°D48 | 25°49 | 9°46 | 24°29 | S 11 |
| M12 | 15 42 26 | 26°38'58 | 22°49 | 0°18 | 10°21 | 15°57 | 9° 2 | 26°52 | 14°36 | 19°35 | 26°18 | 25°48 | 25°46 | 9°53 | 24°32 | M12 |
| T 13 | 15 46 23 | 27°36'25 | 5♎17 | 29♉46 | 11° 7 | 15°51 | 9°15 | 26°59 | 14°33 | 19°34 | 26°19 | 25°48 | 25°42 | 9°59 | 24°35 | T 13 |
| W14 | 15 50 19 | 28°33'50 | 18° 3 | 29°12 | 11°51 | 15°46 | 9°29 | 27° 7 | 14°31 | 19°32 | 26°21 | 25°48 | 25°39 | 10° 6 | 24°39 | W14 |
| T 15 | 15 54 16 | 29°31'14 | 1♏10 | 28°39 | 12°35 | 15°42 | 9°43 | 27°15 | 14°29 | 19°30 | 26°22 | 25°49 | 25°36 | 10°13 | 24°42 | T 15 |
| F 16 | 15 58 13 | 0♊28'36 | 14°38 | 28° 5 | 13°17 | 15°39 | 9°56 | 27°23 | 14°26 | 19°29 | 26°24 | 25°49 | 25°33 | 10°19 | 24°45 | F 16 |
| S 17 | 16 2 9 | 1°25'58 | 28°27 | 27°33 | 13°59 | 15°37 | 10°10 | 27°31 | 14°24 | 19°27 | 26°25 | 25°R49 | 25°30 | 10°26 | 24°48 | S 17 |
| S 18 | 16 6 6 | 2°23'19 | 12♐33 | 27° 2 | 14°39 | 15°36 | 10°24 | 27°38 | 14°22 | 19°26 | 26°26 | 25°49 | 25°27 | 10°33 | 24°51 | S 18 |
| M19 | 16 10 2 | 3°20'40 | 26°53 | 26°33 | 15°19 | 15°D35 | 10°37 | 27°46 | 14°19 | 19°24 | 26°28 | 25°48 | 25°23 | 10°40 | 24°55 | M19 |
| T 20 | 16 13 59 | 4°17'59 | 11♑21 | 26° 6 | 15°57 | 15°35 | 10°51 | 27°54 | 14°17 | 19°22 | 26°29 | 25°47 | 25°20 | 10°46 | 24°58 | T 20 |
| W21 | 16 17 55 | 5°15'18 | 25°53 | 25°42 | 16°34 | 15°36 | 11° 5 | 28° 2 | 14°14 | 19°21 | 26°30 | 25°46 | 25°17 | 10°53 | 25° 1 | W21 |
| T 22 | 16 21 52 | 6°12'37 | 10♒23 | 25°22 | 17°10 | 15°38 | 11°19 | 28°10 | 14°12 | 19°19 | 26°32 | 25°45 | 25°14 | 11° 0 | 25° 4 | T 22 |
| F 23 | 16 25 49 | 7° 9'55 | 24°45 | 25° 5 | 17°44 | 15°40 | 11°33 | 28°17 | 14°10 | 19°18 | 26°33 | 25°45 | 25°11 | 11° 6 | 25° 7 | F 23 |
| S 24 | 16 29 45 | 8° 7'12 | 8♓58 | 24°52 | 18°17 | 15°44 | 11°46 | 28°25 | 14° 7 | 19°16 | 26°34 | 25°D44 | 25° 7 | 11°13 | 25°10 | S 24 |
| S 25 | 16 33 42 | 9° 4'29 | 22°58 | 24°43 | 18°49 | 15°48 | 12° 0 | 28°33 | 14° 5 | 19°15 | 26°36 | 25°45 | 25° 4 | 11°20 | 25°13 | S 25 |
| M26 | 16 37 38 | 10° 1'46 | 6♈44 | 24°38 | 19°20 | 15°52 | 12°14 | 28°41 | 14° 2 | 19°13 | 26°37 | 25°45 | 25° 1 | 11°27 | 25°16 | M26 |
| T 27 | 16 41 35 | 10°59'02 | 20°17 | 24°D38 | 19°49 | 15°58 | 12°28 | 28°48 | 14° 0 | 19°12 | 26°38 | 25°47 | 24°58 | 11°33 | 25°19 | T 27 |
| W28 | 16 45 31 | 11°56'18 | 3♉35 | 24°42 | 20°16 | 16° 4 | 12°41 | 28°56 | 13°57 | 19°10 | 26°40 | 25°48 | 24°55 | 11°40 | 25°22 | W28 |
| T 29 | 16 49 28 | 12°53'33 | 16°40 | 24°51 | 20°42 | 16°11 | 12°55 | 29° 4 | 13°55 | 19° 9 | 26°41 | 25°49 | 24°52 | 11°47 | 25°24 | T 29 |
| F 30 | 16 53 24 | 13°50'48 | 29°32 | 25° 5 | 21° 6 | 16°19 | 13° 9 | 29°11 | 13°52 | 19° 7 | 26°42 | 25°R49 | 24°48 | 11°54 | 25°27 | F 30 |
| S 31 | 16 57 21 | 14♊48'03 | 12♊11 | 25♉23 | 21♋29 | 16♎27 | 13♊23 | 29♉19 | 13♐50 | 19♏ 6 | 26♉44 | 25♉48 | 24♉45 | 12♌ 0 | 25♈30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 16n44 | 12n27 | 1s40 | 22n18 | 1n27 | 26n53 | 3n21 | 6s28 | 0n37 | 21n 6 | 0s25 | 17n32 | 1s44 | 22s45 | 0s 3 | 16s 2 | 1n50 | 8n 6 | 11s34 | 19n17 | 19n26 | 22n55 | 10n 0 | 0n44 | T 1 |
| F 2 | 17 0 | 17 31 | 0 29 | 22 7 | 1 15 | 26 52 | 3 20 | 6 25 | 0 34 | 21 8 | 0 25 | 17 34 | 1 44 | 22 45 | 0 3 | 16 2 | 1 50 | 8 6 | 11 34 | 19 17 | 19 25 | 22 53 | 10 1 | 0 44 | F 2 |
| S 3 | 17 17 | 21 40 | 0n43 | 21 54 | 1 1 | 26 50 | 3 19 | 6 23 | 0 31 | 21 10 | 0 25 | 17 36 | 1 43 | 22 45 | 0 3 | 16 1 | 1 50 | 8 6 | 11 34 | 19 17 | 19 24 | 22 51 | 10 3 | 0 44 | S 3 |
| S 4 | 17 33 | 24 40 | 1 51 | 21 39 | 0 47 | 26 48 | 3 19 | 6 20 | 0 28 | 21 13 | 0 25 | 17 38 | 1 43 | 22 45 | 0 3 | 16 1 | 1 50 | 8 7 | 11 34 | 19 17 | 19 23 | 22 50 | 10 4 | 0 44 | S 4 |
| M 5 | 17 48 | 26 25 | 2 52 | 21 23 | 0 32 | 26 45 | 3 18 | 6 18 | 0 26 | 21 15 | 0 24 | 17 40 | 1 43 | 22 45 | 0 3 | 16 0 | 1 50 | 8 7 | 11 34 | 19 17 | 19 23 | 22 48 | 10 5 | 0 44 | M 5 |
| T 6 | 18 4 | 26 50 | 3 44 | 21 5 | 0 16 | 26 42 | 3 16 | 6 16 | 0 23 | 21 17 | 0 24 | 17 41 | 1 43 | 22 44 | 0 3 | 16 0 | 1 50 | 8 8 | 11 34 | 19 18 | 19 22 | 22 47 | 10 6 | 0 44 | T 6 |
| W 7 | 18 19 | 25 59 | 4 26 | 20 45 | 0 0 | 26 38 | 3 15 | 6 15 | 0 20 | 21 20 | 0 24 | 17 43 | 1 43 | 22 44 | 0 3 | 15 59 | 1 50 | 8 8 | 11 34 | 19 18 | 19 21 | 22 45 | 10 7 | 0 44 | W 7 |
| T 8 | 18 34 | 23 56 | 4 56 | 20 25 | 0s17 | 26 34 | 3 13 | 6 14 | 0 18 | 21 22 | 0 24 | 17 45 | 1 43 | 22 44 | 0 3 | 15 59 | 1 50 | 8 8 | 11 34 | 19 18 | 19 20 | 22 44 | 10 9 | 0 44 | T 8 |
| F 9 | 18 48 | 20 53 | 5 13 | 20 3 | 0 34 | 26 30 | 3 11 | 6 13 | 0 15 | 21 24 | 0 24 | 17 47 | 1 43 | 22 44 | 0 3 | 15 59 | 1 50 | 8 9 | 11 34 | 19 18 | 19 20 | 22 42 | 10 10 | 0 44 | F 9 |
| S 10 | 19 2 | 16 58 | 5 16 | 19 41 | 0 51 | 26 24 | 3 9 | 6 12 | 0 12 | 21 27 | 0 24 | 17 49 | 1 43 | 22 43 | 0 3 | 15 58 | 1 49 | 8 9 | 11 34 | 19 18 | 19 19 | 22 40 | 10 11 | 0 44 | S 10 |
| S 11 | 19 16 | 12 21 | 5 6 | 19 18 | 1 9 | 26 19 | 3 7 | 6 12 | 0 10 | 21 29 | 0 24 | 17 51 | 1 43 | 22 43 | 0 3 | 15 58 | 1 49 | 8 9 | 11 34 | 19 18 | 19 18 | 22 39 | 10 12 | 0 44 | S 11 |
| M12 | 19 30 | 7 11 | 4 42 | 18 55 | 1 26 | 26 13 | 3 5 | 6 12 | 0 7 | 21 31 | 0 24 | 17 53 | 1 43 | 22 43 | 0 3 | 15 57 | 1 49 | 8 10 | 11 34 | 19 18 | 19 17 | 22 37 | 10 14 | 0 44 | M12 |
| T 13 | 19 43 | 1 38 | 4 5 | 18 31 | 1 43 | 26 6 | 3 2 | 6 12 | 0 5 | 21 33 | 0 24 | 17 55 | 1 43 | 22 43 | 0 3 | 15 57 | 1 49 | 8 10 | 11 34 | 19 18 | 19 17 | 22 36 | 10 15 | 0 44 | T 13 |
| W14 | 19 56 | 4s 7 | 3 14 | 18 8 | 2 0 | 25 59 | 2 59 | 6 12 | 0 2 | 21 35 | 0 23 | 17 56 | 1 43 | 22 42 | 0 3 | 15 56 | 1 49 | 8 10 | 11 34 | 19 18 | 19 16 | 22 34 | 10 16 | 0 43 | W14 |
| T 15 | 20 9 | 9 52 | 2 12 | 17 45 | 2 16 | 25 52 | 2 56 | 6 13 | 0s 0 | 21 38 | 0 23 | 17 58 | 1 43 | 22 42 | 0 3 | 15 56 | 1 49 | 8 11 | 11 34 | 19 18 | 19 15 | 22 32 | 10 17 | 0 43 | T 15 |
| F 16 | 20 21 | 15 19 | 1 2 | 17 22 | 2 31 | 25 45 | 2 52 | 6 14 | 0 3 | 21 40 | 0 23 | 18 0 | 1 43 | 22 42 | 0 3 | 15 56 | 1 49 | 8 11 | 11 34 | 19 18 | 19 14 | 22 31 | 10 18 | 0 43 | F 16 |
| S 17 | 20 33 | 20 9 | 0s15 | 17 1 | 2 46 | 25 37 | 2 49 | 6 15 | 0 5 | 21 42 | 0 23 | 18 2 | 1 43 | 22 42 | 0 3 | 15 55 | 1 49 | 8 11 | 11 34 | 19 18 | 19 13 | 22 29 | 10 19 | 0 43 | S 17 |
| S 18 | 20 44 | 23 55 | 1 31 | 16 40 | 2 59 | 25 28 | 2 45 | 6 17 | 0 8 | 21 44 | 0 23 | 18 4 | 1 43 | 22 41 | 0 3 | 15 55 | 1 49 | 8 12 | 11 34 | 19 18 | 19 13 | 22 27 | 10 20 | 0 43 | S 18 |
| M19 | 20 55 | 26 14 | 2 44 | 16 22 | 3 12 | 25 20 | 2 41 | 6 19 | 0 10 | 21 46 | 0 23 | 18 5 | 1 42 | 22 41 | 0 4 | 15 54 | 1 49 | 8 12 | 11 34 | 19 18 | 19 12 | 22 26 | 10 22 | 0 43 | M19 |
| T 20 | 21 6 | 26 49 | 3 46 | 16 4 | 3 23 | 25 11 | 2 36 | 6 21 | 0 12 | 21 48 | 0 23 | 18 7 | 1 42 | 22 41 | 0 4 | 15 54 | 1 49 | 8 12 | 11 34 | 19 18 | 19 11 | 22 24 | 10 23 | 0 43 | T 20 |
| W21 | 21 17 | 25 33 | 4 34 | 15 49 | 3 34 | 25 1 | 2 32 | 6 24 | 0 15 | 21 50 | 0 23 | 18 9 | 1 42 | 22 40 | 0 4 | 15 54 | 1 49 | 8 12 | 11 34 | 19 17 | 19 10 | 22 22 | 10 24 | 0 43 | W21 |
| T 22 | 21 27 | 22 36 | 5 5 | 15 35 | 3 43 | 24 52 | 2 27 | 6 26 | 0 17 | 21 52 | 0 23 | 18 11 | 1 42 | 22 40 | 0 4 | 15 53 | 1 49 | 8 13 | 11 34 | 19 17 | 19 10 | 22 21 | 10 25 | 0 43 | T 22 |
| F 23 | 21 36 | 18 17 | 5 16 | 15 24 | 3 50 | 24 42 | 2 21 | 6 29 | 0 19 | 21 54 | 0 23 | 18 13 | 1 42 | 22 40 | 0 4 | 15 53 | 1 49 | 8 13 | 11 34 | 19 17 | 19 9 | 22 19 | 10 26 | 0 43 | F 23 |
| S 24 | 21 46 | 13 0 | 5 8 | 15 14 | 3 57 | 24 32 | 2 16 | 6 33 | 0 21 | 21 56 | 0 22 | 18 14 | 1 42 | 22 40 | 0 4 | 15 52 | 1 49 | 8 13 | 11 34 | 19 17 | 19 8 | 22 17 | 10 27 | 0 43 | S 24 |
| S 25 | 21 55 | 7 6 | 4 41 | 15 7 | 4 2 | 24 22 | 2 10 | 6 36 | 0 23 | 21 58 | 0 22 | 18 16 | 1 42 | 22 39 | 0 4 | 15 52 | 1 49 | 8 14 | 11 34 | 19 17 | 19 7 | 22 15 | 10 28 | 0 43 | S 25 |
| M26 | 22 3 | 0 58 | 3 59 | 15 2 | 4 6 | 24 11 | 2 3 | 6 40 | 0 25 | 22 0 | 0 22 | 18 18 | 1 42 | 22 39 | 0 4 | 15 52 | 1 49 | 8 14 | 11 34 | 19 17 | 19 7 | 22 14 | 10 29 | 0 43 | M26 |
| T 27 | 22 12 | 5n 7 | 3 4 | 15 0 | 4 8 | 24 1 | 1 57 | 6 44 | 0 28 | 22 2 | 0 22 | 18 19 | 1 42 | 22 39 | 0 4 | 15 51 | 1 49 | 8 14 | 11 34 | 19 18 | 19 6 | 22 12 | 10 30 | 0 43 | T 27 |
| W28 | 22 20 | 10 54 | 2 0 | 15 0 | 4 10 | 23 50 | 1 50 | 6 48 | 0 30 | 22 4 | 0 22 | 18 21 | 1 42 | 22 38 | 0 4 | 15 51 | 1 49 | 8 14 | 11 34 | 19 18 | 19 5 | 22 10 | 10 31 | 0 43 | W28 |
| T 29 | 22 27 | 16 6 | 0 50 | 15 1 | 4 10 | 23 39 | 1 43 | 6 53 | 0 32 | 22 6 | 0 22 | 18 23 | 1 42 | 22 38 | 0 4 | 15 51 | 1 49 | 8 15 | 11 34 | 19 18 | 19 4 | 22 9 | 10 32 | 0 43 | T 29 |
| F 30 | 22 34 | 20 29 | 0n20 | 15 6 | 4 9 | 23 27 | 1 35 | 6 58 | 0 33 | 22 7 | 0 22 | 18 25 | 1 42 | 22 38 | 0 4 | 15 50 | 1 49 | 8 15 | 11 34 | 19 18 | 19 4 | 22 7 | 10 33 | 0 43 | F 30 |
| S 31 | 22n41 | 23n50 | 1n29 | 15n12 | 4s 7 | 23n16 | 1n28 | 7s 3 | 0s35 | 22n 9 | 0s22 | 18n26 | 1s42 | 22s38 | 0s 4 | 15s50 | 1n49 | 8n15 | 11s34 | 19n18 | 19n 3 | 22n 5 | 10n34 | 0n43 | S 31 |

Julian Day Number = 2140119.5, Delta T = 15m25s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'08, Lahiri = 11°58'08 Julian Calendar 1 May 1147 == Greg. Calendar 8 May 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## JUNE 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 1 18 | 15♊45'18 | 24♊38 | 25♉46 | 21♋50 | 16♎36 | 13♊37 | 29♉27 | 13°R48 | 19°R 5 | 26♉45 | 25°R46 | 24♉42 | 12♌ 7 | 25♈33 | S 1 |
| M 2 | 17 5 14 | 16°42'32 | 6♋54 | 26°13 | 22° 9 | 16°46 | 13°50 | 29°34 | 13♐45 | 19♏ 3 | 26°46 | 25♉44 | 24°39 | 12°14 | 25°35 | M 2 |
| T 3 | 17 9 11 | 17°39'45 | 19° 0 | 26°45 | 22°26 | 16°57 | 14° 4 | 29°42 | 13°43 | 19° 2 | 26°48 | 25°40 | 24°36 | 12°20 | 25°38 | T 3 |
| W 4 | 17 13 7 | 18°36'58 | 0♌59 | 27°21 | 22°41 | 17° 8 | 14°18 | 29°49 | 13°40 | 19° 0 | 26°49 | 25°37 | 24°33 | 12°27 | 25°41 | W 4 |
| T 5 | 17 17 4 | 19°34'10 | 12°53 | 28° 2 | 22°55 | 17°20 | 14°32 | 29°57 | 13°38 | 18°59 | 26°50 | 25°33 | 24°29 | 12°34 | 25°43 | T 5 |
| F 6 | 17 21 0 | 20°31'22 | 24°45 | 28°47 | 23° 6 | 17°32 | 14°45 | 0♊ 5 | 13°35 | 18°58 | 26°51 | 25°30 | 24°26 | 12°41 | 25°46 | F 6 |
| S 7 | 17 24 57 | 21°28'33 | 6♍39 | 29°36 | 23°15 | 17°45 | 14°59 | 0°12 | 13°33 | 18°56 | 26°53 | 25°28 | 24°23 | 12°47 | 25°48 | S 7 |
| S 8 | 17 28 53 | 22°25'44 | 18°39 | 0♊29 | 23°22 | 17°59 | 15°13 | 0°19 | 13°30 | 18°55 | 26°54 | 25°D27 | 24°20 | 12°54 | 25°51 | S 8 |
| M 9 | 17 32 50 | 23°22'54 | 0♎50 | 1°27 | 23°26 | 18°13 | 15°27 | 0°27 | 13°28 | 18°54 | 26°55 | 25°27 | 24°17 | 13° 1 | 25°53 | M 9 |
| T 10 | 17 36 47 | 24°20'04 | 13°16 | 2°29 | 23°29 | 18°28 | 15°40 | 0°34 | 13°26 | 18°53 | 26°56 | 25°28 | 24°13 | 13° 7 | 25°55 | T 10 |
| W11 | 17 40 43 | 25°17'13 | 26° 2 | 3°34 | 23°R29 | 18°44 | 15°54 | 0°42 | 13°23 | 18°51 | 26°58 | 25°30 | 24°10 | 13°14 | 25°58 | W11 |
| T 12 | 17 44 40 | 26°14'23 | 9♏11 | 4°44 | 23°27 | 19° 0 | 16° 8 | 0°49 | 13°21 | 18°50 | 26°59 | 25°31 | 24° 7 | 13°21 | 26° 0 | T 12 |
| F 13 | 17 48 36 | 27°11'31 | 22°45 | 5°58 | 23°22 | 19°17 | 16°21 | 0°56 | 13°19 | 18°49 | 27° 0 | 25°R32 | 24° 4 | 13°28 | 26° 2 | F 13 |
| S 14 | 17 52 33 | 28° 8'40 | 6♐45 | 7°15 | 23°15 | 19°34 | 16°35 | 1° 4 | 13°16 | 18°48 | 27° 1 | 25°32 | 24° 1 | 13°34 | 26° 4 | S 14 |
| S 15 | 17 56 29 | 29° 5'49 | 21° 8 | 8°37 | 23° 5 | 19°52 | 16°48 | 1°11 | 13°14 | 18°47 | 27° 3 | 25°30 | 23°58 | 13°41 | 26° 6 | S 15 |
| M16 | 18 0 26 | 0♋ 2'57 | 5♑50 | 10° 2 | 22°53 | 20°10 | 17° 2 | 1°18 | 13°12 | 18°45 | 27° 4 | 25°26 | 23°54 | 13°48 | 26° 9 | M16 |
| T 17 | 18 4 22 | 1° 0'06 | 20°45 | 11°31 | 22°39 | 20°29 | 17°16 | 1°25 | 13° 9 | 18°44 | 27° 5 | 25°22 | 23°51 | 13°55 | 26°11 | T 17 |
| W18 | 18 8 19 | 1°57'15 | 5♒42 | 13° 3 | 22°23 | 20°48 | 17°29 | 1°32 | 13° 7 | 18°43 | 27° 6 | 25°17 | 23°48 | 14° 1 | 26°13 | W18 |
| T 19 | 18 12 16 | 2°54'24 | 20°34 | 14°39 | 22° 4 | 21° 8 | 17°43 | 1°40 | 13° 5 | 18°42 | 27° 7 | 25°12 | 23°45 | 14° 8 | 26°15 | T 19 |
| F 20 | 18 16 12 | 3°51'34 | 5♓14 | 16°19 | 21°43 | 21°28 | 17°56 | 1°47 | 13° 2 | 18°41 | 27° 8 | 25° 8 | 23°42 | 14°15 | 26°16 | F 20 |
| S 21 | 18 20 9 | 4°48'43 | 19°35 | 18° 2 | 21°19 | 21°49 | 18°10 | 1°54 | 13° 0 | 18°40 | 27° 9 | 25° 5 | 23°39 | 14°21 | 26°18 | S 21 |
| S 22 | 18 24 5 | 5°45'54 | 3♈36 | 19°48 | 20°54 | 22°10 | 18°23 | 2° 1 | 12°58 | 18°39 | 27°11 | 25°D 4 | 23°35 | 14°28 | 26°20 | S 22 |
| M23 | 18 28 2 | 6°43'05 | 17°15 | 21°37 | 20°26 | 22°32 | 18°36 | 2° 8 | 12°56 | 18°38 | 27°12 | 25° 4 | 23°32 | 14°35 | 26°22 | M23 |
| T 24 | 18 31 58 | 7°40'16 | 0♉34 | 23°30 | 19°57 | 22°54 | 18°50 | 2°14 | 12°54 | 18°37 | 27°13 | 25° 6 | 23°29 | 14°42 | 26°24 | T 24 |
| W25 | 18 35 55 | 8°37'28 | 13°36 | 25°25 | 19°26 | 23°17 | 19° 3 | 2°21 | 12°52 | 18°36 | 27°14 | 25° 7 | 23°26 | 14°48 | 26°25 | W25 |
| T 26 | 18 39 51 | 9°34'41 | 26°22 | 27°23 | 18°54 | 23°40 | 19°17 | 2°28 | 12°49 | 18°36 | 27°15 | 25°R 7 | 23°23 | 14°55 | 26°27 | T 26 |
| F 27 | 18 43 48 | 10°31'55 | 8♊55 | 29°23 | 18°20 | 24° 3 | 19°30 | 2°35 | 12°47 | 18°35 | 27°16 | 25° 6 | 23°19 | 15° 2 | 26°28 | F 27 |
| S 28 | 18 47 45 | 11°29'09 | 21°17 | 1♋25 | 17°45 | 24°27 | 19°43 | 2°42 | 12°45 | 18°34 | 27°17 | 25° 3 | 23°16 | 15° 8 | 26°30 | S 28 |
| S 29 | 18 51 41 | 12°26'23 | 3♋30 | 3°28 | 17°10 | 24°52 | 19°56 | 2°48 | 12°43 | 18°33 | 27°18 | 24°58 | 23°13 | 15°15 | 26°31 | S 29 |
| M30 | 18 55 38 | 13♋23'38 | 15♋36 | 5♋33 | 16♋33 | 25♎16 | 20♊ 9 | 2♊55 | 12♐41 | 18♏32 | 27♉19 | 24♉51 | 23♉10 | 15♌22 | 26♈33 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n47 | 25n58 | 2n32 | 15n20 | 4s 4 | 23n 5 | 1n19 | 7s 8 | 0s37 | 22n11 | 0s22 | 18n28 | 1s42 | 22s37 | 0s 4 | 15s49 | 1n49 | 8n15 | 11s34 | 19n17 | 19n 2 | 22n 3 | 10n35 | 0n43 |
| M 2 | 22 53 | 26 49 | 3 27 | 15 30 | 4 0 | 22 53 | 1 11 | 7 13 | 0 39 | 22 13 | 0 22 | 18 29 | 1 42 | 22 37 | 0 4 | 15 49 | 1 49 | 8 16 | 11 34 | 19 17 | 19 1 | 22 2 | 10 36 | 0 43 |
| T 3 | 22 59 | 26 21 | 4 12 | 15 42 | 3 56 | 22 41 | 1 2 | 7 19 | 0 41 | 22 14 | 0 21 | 18 31 | 1 42 | 22 37 | 0 4 | 15 49 | 1 49 | 8 16 | 11 34 | 19 16 | 19 0 | 22 0 | 10 37 | 0 43 |
| W 4 | 23 4 | 24 40 | 4 45 | 15 56 | 3 50 | 22 30 | 0 53 | 7 25 | 0 43 | 22 16 | 0 21 | 18 33 | 1 42 | 22 36 | 0 4 | 15 48 | 1 49 | 8 16 | 11 34 | 19 15 | 19 0 | 21 58 | 10 38 | 0 43 |
| T 5 | 23 8 | 21 54 | 5 6 | 16 11 | 3 43 | 22 18 | 0 43 | 7 31 | 0 45 | 22 18 | 0 21 | 18 34 | 1 42 | 22 36 | 0 4 | 15 48 | 1 49 | 8 16 | 11 34 | 19 14 | 18 59 | 21 56 | 10 39 | 0 43 |
| F 6 | 23 13 | 18 15 | 5 13 | 16 28 | 3 36 | 22 6 | 0 33 | 7 38 | 0 46 | 22 20 | 0 21 | 18 36 | 1 42 | 22 36 | 0 4 | 15 48 | 1 49 | 8 17 | 11 34 | 19 14 | 18 58 | 21 55 | 10 40 | 0 42 |
| S 7 | 23 17 | 13 52 | 5 8 | 16 46 | 3 28 | 21 55 | 0 23 | 7 44 | 0 48 | 22 21 | 0 21 | 18 37 | 1 42 | 22 36 | 0 4 | 15 47 | 1 49 | 8 17 | 11 34 | 19 13 | 18 57 | 21 53 | 10 40 | 0 42 |
| S 8 | 23 20 | 8 55 | 4 48 | 17 6 | 3 19 | 21 43 | 0 12 | 7 51 | 0 50 | 22 23 | 0 21 | 18 39 | 1 42 | 22 35 | 0 4 | 15 47 | 1 49 | 8 17 | 11 34 | 19 13 | 18 57 | 21 51 | 10 41 | 0 42 |
| M 9 | 23 23 | 3 35 | 4 16 | 17 27 | 3 10 | 21 31 | 0 1 | 7 58 | 0 51 | 22 24 | 0 21 | 18 41 | 1 42 | 22 35 | 0 4 | 15 47 | 1 49 | 8 17 | 11 34 | 19 13 | 18 56 | 21 49 | 10 42 | 0 42 |
| T 10 | 23 26 | 2s 1 | 3 31 | 17 48 | 3 0 | 21 19 | 0s11 | 8 5 | 0 53 | 22 26 | 0 21 | 18 42 | 1 42 | 22 35 | 0 4 | 15 46 | 1 49 | 8 17 | 11 34 | 19 13 | 18 55 | 21 47 | 10 43 | 0 42 |
| W11 | 23 28 | 7 42 | 2 34 | 18 11 | 2 50 | 21 8 | 0 23 | 8 13 | 0 54 | 22 27 | 0 21 | 18 44 | 1 42 | 22 34 | 0 4 | 15 46 | 1 49 | 8 18 | 11 34 | 19 14 | 18 54 | 21 46 | 10 44 | 0 42 |
| T 12 | 23 30 | 13 14 | 1 28 | 18 34 | 2 39 | 20 56 | 0 35 | 8 20 | 0 56 | 22 29 | 0 21 | 18 45 | 1 42 | 22 34 | 0 4 | 15 46 | 1 49 | 8 18 | 11 35 | 19 14 | 18 53 | 21 44 | 10 45 | 0 42 |
| F 13 | 23 31 | 18 18 | 0 15 | 18 58 | 2 28 | 20 45 | 0 47 | 8 28 | 0 57 | 22 30 | 0 21 | 18 47 | 1 42 | 22 34 | 0 4 | 15 46 | 1 49 | 8 18 | 11 35 | 19 14 | 18 53 | 21 42 | 10 45 | 0 42 |
| S 14 | 23 32 | 22 32 | 1s 1 | 19 23 | 2 17 | 20 33 | 1 0 | 8 36 | 0 59 | 22 32 | 0 20 | 18 48 | 1 42 | 22 34 | 0 4 | 15 45 | 1 49 | 8 18 | 11 35 | 19 14 | 18 52 | 21 40 | 10 46 | 0 42 |
| S 15 | 23 33 | 25 30 | 2 15 | 19 47 | 2 5 | 20 22 | 1 13 | 8 44 | 1 0 | 22 33 | 0 20 | 18 50 | 1 42 | 22 33 | 0 4 | 15 45 | 1 49 | 8 18 | 11 35 | 19 14 | 18 51 | 21 38 | 10 47 | 0 42 |
| M16 | 23 33 | 26 47 | 3 22 | 20 12 | 1 53 | 20 11 | 1 26 | 8 52 | 1 2 | 22 35 | 0 20 | 18 51 | 1 42 | 22 33 | 0 4 | 15 45 | 1 48 | 8 18 | 11 35 | 19 13 | 18 50 | 21 36 | 10 48 | 0 42 |
| T 17 | 23 33 | 26 9 | 4 16 | 20 37 | 1 40 | 20 0 | 1 40 | 9 1 | 1 3 | 22 36 | 0 20 | 18 52 | 1 42 | 22 33 | 0 4 | 15 45 | 1 48 | 8 19 | 11 35 | 19 12 | 18 49 | 21 35 | 10 48 | 0 42 |
| W18 | 23 32 | 23 39 | 4 52 | 21 1 | 1 28 | 19 49 | 1 54 | 9 9 | 1 5 | 22 38 | 0 20 | 18 54 | 1 42 | 22 33 | 0 4 | 15 44 | 1 48 | 8 19 | 11 35 | 19 10 | 18 49 | 21 33 | 10 49 | 0 42 |
| T 19 | 23 31 | 19 35 | 5 9 | 21 25 | 1 15 | 19 38 | 2 8 | 9 18 | 1 6 | 22 39 | 0 20 | 18 55 | 1 42 | 22 32 | 0 4 | 15 44 | 1 48 | 8 19 | 11 35 | 19 9 | 18 48 | 21 31 | 10 50 | 0 42 |
| F 20 | 23 30 | 14 22 | 5 5 | 21 48 | 1 3 | 19 27 | 2 22 | 9 27 | 1 7 | 22 40 | 0 20 | 18 57 | 1 42 | 22 32 | 0 4 | 15 44 | 1 48 | 8 19 | 11 35 | 19 8 | 18 47 | 21 29 | 10 50 | 0 42 |
| S 21 | 23 28 | 8 28 | 4 43 | 22 11 | 0 50 | 19 17 | 2 36 | 9 36 | 1 9 | 22 41 | 0 20 | 18 58 | 1 42 | 22 32 | 0 4 | 15 44 | 1 48 | 8 19 | 11 35 | 19 8 | 18 46 | 21 27 | 10 51 | 0 42 |
| S 22 | 23 25 | 2 17 | 4 3 | 22 32 | 0 38 | 19 7 | 2 50 | 9 45 | 1 10 | 22 43 | 0 20 | 18 59 | 1 42 | 22 31 | 0 4 | 15 43 | 1 48 | 8 19 | 11 36 | 19 7 | 18 45 | 21 25 | 10 52 | 0 42 |
| M23 | 23 23 | 3n52 | 3 11 | 22 52 | 0 25 | 18 57 | 3 4 | 9 54 | 1 11 | 22 44 | 0 20 | 19 1 | 1 42 | 22 31 | 0 4 | 15 43 | 1 48 | 8 19 | 11 36 | 19 7 | 18 45 | 21 23 | 10 52 | 0 42 |
| T 24 | 23 20 | 9 43 | 2 9 | 23 10 | 0 13 | 18 47 | 3 19 | 10 4 | 1 12 | 22 45 | 0 20 | 19 2 | 1 42 | 22 31 | 0 4 | 15 43 | 1 48 | 8 20 | 11 36 | 19 8 | 18 44 | 21 21 | 10 53 | 0 42 |
| W25 | 23 16 | 15 0 | 1 2 | 23 27 | 0 1 | 18 38 | 3 33 | 10 13 | 1 13 | 22 46 | 0 20 | 19 3 | 1 42 | 22 31 | 0 4 | 15 43 | 1 48 | 8 20 | 11 36 | 19 8 | 18 43 | 21 20 | 10 53 | 0 42 |
| T 26 | 23 12 | 19 32 | 0n 7 | 23 42 | 0n10 | 18 28 | 3 46 | 10 23 | 1 15 | 22 48 | 0 19 | 19 5 | 1 42 | 22 30 | 0 4 | 15 42 | 1 48 | 8 20 | 11 36 | 19 8 | 18 42 | 21 18 | 10 54 | 0 42 |
| F 27 | 23 8 | 23 6 | 1 14 | 23 54 | 0 21 | 18 19 | 4 0 | 10 33 | 1 16 | 22 49 | 0 19 | 19 6 | 1 43 | 22 30 | 0 4 | 15 42 | 1 48 | 8 20 | 11 36 | 19 8 | 18 41 | 21 16 | 10 54 | 0 42 |
| S 28 | 23 3 | 25 32 | 2 16 | 24 4 | 0 32 | 18 11 | 4 13 | 10 43 | 1 17 | 22 50 | 0 19 | 19 7 | 1 43 | 22 30 | 0 4 | 15 42 | 1 48 | 8 20 | 11 36 | 19 7 | 18 41 | 21 14 | 10 55 | 0 42 |
| S 29 | 22 58 | 26 42 | 3 12 | 24 12 | 0 42 | 18 2 | 4 26 | 10 53 | 1 18 | 22 51 | 0 19 | 19 8 | 1 43 | 22 30 | 0 4 | 15 42 | 1 48 | 8 20 | 11 36 | 19 6 | 18 40 | 21 12 | 10 56 | 0 42 |
| M30 | 22n52 | 26n34 | 3n58 | 24n17 | 0n51 | 17n54 | 4s39 | 11s 3 | 1s19 | 22n52 | 0s19 | 19n10 | 1s43 | 22s29 | 0s 4 | 15s42 | 1n48 | 8n20 | 11s37 | 19n 4 | 18n39 | 21n10 | 10n56 | 0n42 |

Julian Day Number = 2140150.5, Delta T = 15m25s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'12, Lahiri = 11°58'13 Julian Calendar 1 June 1147 == Greg. Calendar 8 June 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## JULY 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 59 34 | 14♋20'54 | 27♋35 | 7♋40 | 15°R56 | 25♎42 | 20♊23 | 3♊ 1 | 12°R39 | 18°R31 | 27♉20 | 24°R42 | 23♉ 7 | 15♌29 | 26♈34 | T 1 |
| W 2 | 19 3 31 | 15°18'10 | 9♌30 | 9°47 | 15♋19 | 26° 7 | 20°36 | 3° 8 | 12♐37 | 18♏31 | 27°21 | 24♉33 | 23° 4 | 15°35 | 26°36 | W 2 |
| T 3 | 19 7 27 | 16°15'26 | 21°22 | 11°54 | 14°42 | 26°33 | 20°49 | 3°14 | 12°35 | 18°30 | 27°22 | 24°23 | 23° 0 | 15°42 | 26°37 | T 3 |
| F 4 | 19 11 24 | 17°12'43 | 3♍14 | 14° 2 | 14° 4 | 26°59 | 21° 2 | 3°21 | 12°34 | 18°29 | 27°23 | 24°15 | 22°57 | 15°49 | 26°38 | F 4 |
| S 5 | 19 15 21 | 18°10'00 | 15° 7 | 16° 9 | 13°28 | 27°26 | 21°15 | 3°27 | 12°32 | 18°29 | 27°24 | 24° 8 | 22°54 | 15°56 | 26°39 | S 5 |
| S 6 | 19 19 17 | 19° 7'18 | 27° 6 | 18°16 | 12°52 | 27°53 | 21°28 | 3°33 | 12°30 | 18°28 | 27°25 | 24° 4 | 22°51 | 16° 2 | 26°40 | S 6 |
| M 7 | 19 23 14 | 20° 4'36 | 9♎14 | 20°23 | 12°17 | 28°21 | 21°41 | 3°40 | 12°28 | 18°28 | 27°26 | 24° 1 | 22°48 | 16° 9 | 26°41 | M 7 |
| T 8 | 19 27 10 | 21° 1'55 | 21°37 | 22°29 | 11°43 | 28°49 | 21°53 | 3°46 | 12°26 | 18°27 | 27°27 | 24°D 0 | 22°45 | 16°16 | 26°42 | T 8 |
| W 9 | 19 31 7 | 21°59'14 | 4♏18 | 24°34 | 11°10 | 29°17 | 22° 6 | 3°52 | 12°25 | 18°27 | 27°27 | 24° 1 | 22°41 | 16°22 | 26°43 | W 9 |
| T 10 | 19 35 3 | 22°56'34 | 17°23 | 26°37 | 10°39 | 29°45 | 22°19 | 3°58 | 12°23 | 18°26 | 27°28 | 24°R 2 | 22°38 | 16°29 | 26°44 | T 10 |
| F 11 | 19 39 0 | 23°53'54 | 0♐55 | 28°40 | 10° 9 | 0♏14 | 22°32 | 4° 4 | 12°21 | 18°26 | 27°29 | 24° 2 | 22°35 | 16°36 | 26°45 | F 11 |
| S 12 | 19 42 56 | 24°51'15 | 14°55 | 0♑41 | 9°41 | 0°43 | 22°44 | 4°10 | 12°20 | 18°25 | 27°30 | 24° 0 | 22°32 | 16°43 | 26°46 | S 12 |
| S 13 | 19 46 53 | 25°48'37 | 29°23 | 2°41 | 9°15 | 1°13 | 22°57 | 4°16 | 12°18 | 18°25 | 27°31 | 23°56 | 22°29 | 16°49 | 26°46 | S 13 |
| M14 | 19 50 50 | 26°45'59 | 14♑16 | 4°39 | 8°52 | 1°42 | 23° 9 | 4°22 | 12°17 | 18°24 | 27°32 | 23°50 | 22°25 | 16°56 | 26°47 | M14 |
| T 15 | 19 54 46 | 27°43'23 | 29°25 | 6°36 | 8°30 | 2°12 | 23°22 | 4°27 | 12°15 | 18°24 | 27°32 | 23°41 | 22°22 | 17° 3 | 26°48 | T 15 |
| W16 | 19 58 43 | 28°40'47 | 14♒41 | 8°32 | 8°11 | 2°43 | 23°34 | 4°33 | 12°14 | 18°24 | 27°33 | 23°32 | 22°19 | 17° 9 | 26°48 | W16 |
| T 17 | 20 2 39 | 29°38'12 | 29°52 | 10°25 | 7°54 | 3°13 | 23°46 | 4°39 | 12°12 | 18°24 | 27°34 | 23°23 | 22°16 | 17°16 | 26°49 | T 17 |
| F 18 | 20 6 36 | 0♌35'39 | 14♓50 | 12°18 | 7°39 | 3°44 | 23°59 | 4°44 | 12°11 | 18°23 | 27°35 | 23°15 | 22°13 | 17°23 | 26°49 | F 18 |
| S 19 | 20 10 32 | 1°33'06 | 29°25 | 14° 8 | 7°27 | 4°15 | 24°11 | 4°50 | 12°10 | 18°23 | 27°35 | 23° 9 | 22°10 | 17°30 | 26°50 | S 19 |
| S 20 | 20 14 29 | 2°30'35 | 13♈34 | 15°57 | 7°17 | 4°47 | 24°23 | 4°55 | 12° 8 | 18°23 | 27°36 | 23° 6 | 22° 6 | 17°36 | 26°50 | S 20 |
| M21 | 20 18 25 | 3°28'06 | 27°16 | 17°45 | 7° 9 | 5°19 | 24°35 | 5° 0 | 12° 7 | 18°23 | 27°37 | 23° 4 | 22° 3 | 17°43 | 26°50 | M21 |
| T 22 | 20 22 22 | 4°25'38 | 10♉32 | 19°31 | 7° 4 | 5°51 | 24°47 | 5° 6 | 12° 6 | 18°23 | 27°37 | 23°D 4 | 22° 0 | 17°50 | 26°51 | T 22 |
| W23 | 20 26 19 | 5°23'11 | 23°26 | 21°16 | 7° 2 | 6°23 | 24°59 | 5°11 | 12° 5 | 18°23 | 27°38 | 23°R 4 | 21°57 | 17°57 | 26°51 | W23 |
| T 24 | 20 30 15 | 6°20'46 | 6♊ 2 | 22°58 | 7°D 1 | 6°56 | 25°11 | 5°16 | 12° 4 | 18°22 | 27°39 | 23° 4 | 21°54 | 18° 3 | 26°51 | T 24 |
| F 25 | 20 34 12 | 7°18'23 | 18°23 | 24°40 | 7° 3 | 7°28 | 25°23 | 5°21 | 12° 3 | 18°D22 | 27°39 | 23° 1 | 21°51 | 18°10 | 26°51 | F 25 |
| S 26 | 20 38 8 | 8°16'01 | 0♋34 | 26°20 | 7° 8 | 8° 2 | 25°35 | 5°26 | 12° 2 | 18°22 | 27°40 | 22°56 | 21°47 | 18°17 | 26°R51 | S 26 |
| S 27 | 20 42 5 | 9°13'40 | 12°37 | 27°58 | 7°14 | 8°35 | 25°46 | 5°31 | 12° 1 | 18°23 | 27°40 | 22°48 | 21°44 | 18°23 | 26°51 | S 27 |
| M28 | 20 46 1 | 10°11'21 | 24°34 | 29°35 | 7°23 | 9° 8 | 25°58 | 5°36 | 12° 0 | 18°23 | 27°41 | 22°38 | 21°41 | 18°30 | 26°51 | M28 |
| T 29 | 20 49 58 | 11° 9'03 | 6♌28 | 1♍11 | 7°34 | 9°42 | 26°10 | 5°40 | 11°59 | 18°23 | 27°41 | 22°25 | 21°38 | 18°37 | 26°51 | T 29 |
| W30 | 20 53 54 | 12° 6'47 | 18°21 | 2°45 | 7°46 | 10°16 | 26°21 | 5°45 | 11°58 | 18°23 | 27°42 | 22°11 | 21°35 | 18°44 | 26°50 | W30 |
| T 31 | 20 57 51 | 13♌ 4'32 | 0♍12 | 4♍17 | 8♋ 1 | 10♏51 | 26♊32 | 5♊50 | 11♐57 | 18♏23 | 27♉42 | 21♉57 | 21♉31 | 18♌50 | 26♈50 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n46 | 25n11 | 4n33 | 24n20 | 1n 0 | 17n46 | 4s51 | 11s13 | 1s20 | 22n53 | 0s19 | 19n11 | 1s43 | 22s29 | 0s 4 | 15s42 | 1n48 | 8n20 | 11s37 | 19n 2 | 18n38 | 21n 8 | 10n56 | 0n42 |
| W 2 | 22 40 | 22 42 | 4 55 | 24 19 | 1 8 | 17 39 | 5 3 | 11 23 | 1 21 | 22 54 | 0 19 | 19 12 | 1 43 | 22 29 | 0 4 | 15 41 | 1 48 | 8 20 | 11 37 | 19 0 | 18 37 | 21 6 | 10 57 | 0 42 |
| T 3 | 22 33 | 19 15 | 5 5 | 24 16 | 1 15 | 17 32 | 5 14 | 11 34 | 1 22 | 22 55 | 0 19 | 19 13 | 1 43 | 22 29 | 0 4 | 15 41 | 1 48 | 8 20 | 11 37 | 18 57 | 18 37 | 21 4 | 10 57 | 0 42 |
| F 4 | 22 26 | 15 3 | 5 2 | 24 10 | 1 22 | 17 25 | 5 25 | 11 44 | 1 23 | 22 56 | 0 19 | 19 14 | 1 43 | 22 28 | 0 4 | 15 41 | 1 48 | 8 20 | 11 37 | 18 55 | 18 36 | 21 2 | 10 58 | 0 41 |
| S 5 | 22 19 | 10 16 | 4 46 | 24 1 | 1 28 | 17 19 | 5 35 | 11 55 | 1 24 | 22 57 | 0 19 | 19 16 | 1 43 | 22 28 | 0 4 | 15 41 | 1 48 | 8 20 | 11 37 | 18 54 | 18 35 | 21 0 | 10 58 | 0 41 |
| S 6 | 22 11 | 5 5 | 4 17 | 23 50 | 1 33 | 17 13 | 5 44 | 12 6 | 1 25 | 22 58 | 0 19 | 19 17 | 1 43 | 22 28 | 0 4 | 15 41 | 1 47 | 8 20 | 11 37 | 18 52 | 18 34 | 20 58 | 10 59 | 0 41 |
| M 7 | 22 3 | 0s22 | 3 36 | 23 36 | 1 37 | 17 8 | 5 52 | 12 16 | 1 26 | 22 59 | 0 19 | 19 18 | 1 43 | 22 28 | 0 4 | 15 41 | 1 47 | 8 21 | 11 38 | 18 52 | 18 33 | 20 56 | 10 59 | 0 41 |
| T 8 | 21 54 | 5 55 | 2 44 | 23 19 | 1 41 | 17 3 | 6 0 | 12 27 | 1 27 | 23 0 | 0 19 | 19 19 | 1 43 | 22 27 | 0 4 | 15 41 | 1 47 | 8 21 | 11 38 | 18 52 | 18 33 | 20 54 | 10 59 | 0 41 |
| W 9 | 21 45 | 11 23 | 1 43 | 23 1 | 1 44 | 16 59 | 6 7 | 12 38 | 1 28 | 23 0 | 0 18 | 19 20 | 1 43 | 22 27 | 0 4 | 15 41 | 1 47 | 8 21 | 11 38 | 18 52 | 18 32 | 20 52 | 10 59 | 0 41 |
| T 10 | 21 35 | 16 32 | 0 35 | 22 39 | 1 46 | 16 55 | 6 14 | 12 49 | 1 29 | 23 1 | 0 18 | 19 21 | 1 43 | 22 27 | 0 4 | 15 41 | 1 47 | 8 21 | 11 38 | 18 52 | 18 31 | 20 50 | 11 0 | 0 41 |
| F 11 | 21 26 | 21 2 | 0s37 | 22 16 | 1 47 | 16 51 | 6 20 | 13 0 | 1 29 | 23 2 | 0 18 | 19 22 | 1 43 | 22 27 | 0 4 | 15 41 | 1 47 | 8 21 | 11 38 | 18 52 | 18 30 | 20 48 | 11 0 | 0 41 |
| S 12 | 21 15 | 24 30 | 1 49 | 21 51 | 1 48 | 16 48 | 6 25 | 13 11 | 1 30 | 23 3 | 0 18 | 19 23 | 1 43 | 22 27 | 0 4 | 15 41 | 1 47 | 8 21 | 11 38 | 18 52 | 18 29 | 20 46 | 11 0 | 0 41 |
| S 13 | 21 5 | 26 30 | 2 57 | 21 24 | 1 48 | 16 46 | 6 29 | 13 22 | 1 31 | 23 4 | 0 18 | 19 24 | 1 43 | 22 26 | 0 4 | 15 40 | 1 47 | 8 21 | 11 39 | 18 51 | 18 29 | 20 44 | 11 1 | 0 41 |
| M14 | 20 54 | 26 40 | 3 54 | 20 55 | 1 47 | 16 44 | 6 33 | 13 33 | 1 32 | 23 4 | 0 18 | 19 25 | 1 44 | 22 26 | 0 4 | 15 40 | 1 47 | 8 21 | 11 39 | 18 49 | 18 28 | 20 42 | 11 1 | 0 41 |
| T 15 | 20 43 | 24 52 | 4 36 | 20 25 | 1 46 | 16 42 | 6 35 | 13 45 | 1 33 | 23 5 | 0 18 | 19 26 | 1 44 | 22 26 | 0 4 | 15 40 | 1 47 | 8 21 | 11 39 | 18 47 | 18 27 | 20 40 | 11 1 | 0 41 |
| W16 | 20 31 | 21 16 | 4 59 | 19 53 | 1 44 | 16 41 | 6 38 | 13 56 | 1 33 | 23 6 | 0 18 | 19 27 | 1 44 | 22 26 | 0 4 | 15 40 | 1 47 | 8 21 | 11 39 | 18 45 | 18 26 | 20 38 | 11 1 | 0 41 |
| T 17 | 20 19 | 16 15 | 5 1 | 19 20 | 1 41 | 16 40 | 6 39 | 14 7 | 1 34 | 23 6 | 0 18 | 19 28 | 1 44 | 22 26 | 0 4 | 15 40 | 1 47 | 8 21 | 11 39 | 18 42 | 18 25 | 20 36 | 11 1 | 0 41 |
| F 18 | 20 7 | 10 20 | 4 42 | 18 46 | 1 38 | 16 40 | 6 40 | 14 18 | 1 35 | 23 7 | 0 18 | 19 29 | 1 44 | 22 26 | 0 4 | 15 40 | 1 47 | 8 21 | 11 39 | 18 40 | 18 24 | 20 34 | 11 1 | 0 41 |
| S 19 | 19 54 | 3 58 | 4 5 | 18 11 | 1 35 | 16 40 | 6 41 | 14 30 | 1 36 | 23 8 | 0 18 | 19 30 | 1 44 | 22 25 | 0 4 | 15 40 | 1 47 | 8 21 | 11 40 | 18 39 | 18 24 | 20 32 | 11 2 | 0 41 |
| S 20 | 19 41 | 2n24 | 3 13 | 17 35 | 1 31 | 16 41 | 6 41 | 14 41 | 1 36 | 23 8 | 0 18 | 19 31 | 1 44 | 22 25 | 0 4 | 15 40 | 1 47 | 8 21 | 11 40 | 18 38 | 18 23 | 20 30 | 11 2 | 0 41 |
| M21 | 19 28 | 8 29 | 2 12 | 16 58 | 1 27 | 16 42 | 6 40 | 14 52 | 1 37 | 23 9 | 0 18 | 19 32 | 1 44 | 22 25 | 0 4 | 15 40 | 1 47 | 8 20 | 11 40 | 18 38 | 18 22 | 20 28 | 11 2 | 0 41 |
| T 22 | 19 15 | 14 0 | 1 6 | 16 20 | 1 22 | 16 43 | 6 39 | 15 4 | 1 38 | 23 9 | 0 17 | 19 32 | 1 44 | 22 25 | 0 4 | 15 40 | 1 47 | 8 20 | 11 40 | 18 38 | 18 21 | 20 26 | 11 2 | 0 41 |
| W23 | 19 1 | 18 45 | 0n 2 | 15 42 | 1 17 | 16 45 | 6 37 | 15 15 | 1 38 | 23 10 | 0 17 | 19 33 | 1 44 | 22 25 | 0 4 | 15 40 | 1 46 | 8 20 | 11 40 | 18 38 | 18 20 | 20 24 | 11 2 | 0 41 |
| T 24 | 18 46 | 22 32 | 1 8 | 15 3 | 1 11 | 16 47 | 6 35 | 15 27 | 1 39 | 23 10 | 0 17 | 19 34 | 1 44 | 22 25 | 0 4 | 15 40 | 1 46 | 8 20 | 11 41 | 18 38 | 18 20 | 20 22 | 11 2 | 0 41 |
| F 25 | 18 32 | 25 12 | 2 10 | 14 23 | 1 5 | 16 49 | 6 33 | 15 38 | 1 39 | 23 11 | 0 17 | 19 35 | 1 45 | 22 24 | 0 4 | 15 41 | 1 46 | 8 20 | 11 41 | 18 37 | 18 19 | 20 20 | 11 2 | 0 41 |
| S 26 | 18 17 | 26 37 | 3 4 | 13 44 | 0 59 | 16 52 | 6 30 | 15 49 | 1 40 | 23 11 | 0 17 | 19 36 | 1 45 | 22 24 | 0 4 | 15 41 | 1 46 | 8 20 | 11 41 | 18 36 | 18 18 | 20 18 | 11 2 | 0 41 |
| S 27 | 18 2 | 26 46 | 3 50 | 13 3 | 0 53 | 16 55 | 6 27 | 16 1 | 1 41 | 23 12 | 0 17 | 19 36 | 1 45 | 22 24 | 0 4 | 15 41 | 1 46 | 8 20 | 11 41 | 18 34 | 18 17 | 20 16 | 11 2 | 0 41 |
| M28 | 17 46 | 25 39 | 4 25 | 12 23 | 0 46 | 16 58 | 6 24 | 16 12 | 1 41 | 23 12 | 0 17 | 19 37 | 1 45 | 22 24 | 0 4 | 15 41 | 1 46 | 8 20 | 11 41 | 18 31 | 18 16 | 20 14 | 11 2 | 0 41 |
| T 29 | 17 31 | 23 23 | 4 48 | 11 43 | 0 39 | 17 1 | 6 20 | 16 24 | 1 42 | 23 13 | 0 17 | 19 38 | 1 45 | 22 24 | 0 4 | 15 41 | 1 46 | 8 20 | 11 42 | 18 28 | 18 15 | 20 12 | 11 2 | 0 41 |
| W30 | 17 15 | 20 8 | 4 59 | 11 2 | 0 31 | 17 4 | 6 16 | 16 35 | 1 42 | 23 13 | 0 17 | 19 39 | 1 45 | 22 24 | 0 4 | 15 41 | 1 46 | 8 20 | 11 42 | 18 24 | 18 15 | 20 10 | 11 1 | 0 41 |
| T 31 | 16n58 | 16n 4 | 4n57 | 10n21 | 0n24 | 17n 8 | 6s11 | 16s46 | 1s43 | 23n14 | 0s17 | 19n39 | 1s45 | 22s24 | 0s 4 | 15s41 | 1n46 | 8n20 | 11s42 | 18n21 | 18n14 | 20n 7 | 11n 1 | 0n41 |

Julian Day Number = 2140180.5, Delta T = 15m25s
Ecliptic obliquity = 23°33'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'16, Lahiri = 11°58'17 Julian Calendar 1 July 1147 == Greg. Calendar 8 July 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## AUGUST 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 1 48 | 14♌ 2'18 | 12♍ 5 | 5♍48 | 8♋18 | 11♏25 | 26♊44 | 5♊54 | 11°R57 | 18♏23 | 27♉43 | 21°R45 | 21♉28 | 18♌57 | 26°R50 | F 1 |
| S 2 | 21 5 44 | 15° 0'05 | 24° 1 | 7°18 | 8°37 | 12° 0 | 26°55 | 5°58 | 11♐56 | 18°24 | 27°43 | 21♉34 | 21°25 | 19° 4 | 26♈49 | S 2 |
| S 3 | 21 9 41 | 15°57'54 | 6♎ 2 | 8°46 | 8°57 | 12°35 | 27° 6 | 6° 3 | 11°55 | 18°24 | 27°44 | 21°27 | 21°22 | 19°11 | 26°49 | S 3 |
| M 4 | 21 13 37 | 16°55'44 | 18°12 | 10°13 | 9°20 | 13°10 | 27°17 | 6° 7 | 11°55 | 18°24 | 27°44 | 21°22 | 21°19 | 19°17 | 26°48 | M 4 |
| T 5 | 21 17 34 | 17°53'35 | 0♏33 | 11°38 | 9°43 | 13°46 | 27°28 | 6°11 | 11°54 | 18°24 | 27°44 | 21°19 | 21°16 | 19°24 | 26°48 | T 5 |
| W 6 | 21 21 30 | 18°51'28 | 13°12 | 13° 1 | 10° 9 | 14°21 | 27°39 | 6°15 | 11°54 | 18°25 | 27°45 | 21°18 | 21°12 | 19°31 | 26°47 | W 6 |
| T 7 | 21 25 27 | 19°49'22 | 26°11 | 14°23 | 10°36 | 14°57 | 27°50 | 6°19 | 11°53 | 18°25 | 27°45 | 21°18 | 21° 9 | 19°37 | 26°47 | T 7 |
| F 8 | 21 29 23 | 20°47'17 | 9♐36 | 15°44 | 11° 5 | 15°33 | 28° 0 | 6°23 | 11°53 | 18°26 | 27°45 | 21°18 | 21° 6 | 19°44 | 26°46 | F 8 |
| S 9 | 21 33 20 | 21°45'14 | 23°29 | 17° 2 | 11°35 | 16°10 | 28°11 | 6°27 | 11°52 | 18°26 | 27°46 | 21°16 | 21° 3 | 19°51 | 26°45 | S 9 |
| S 10 | 21 37 17 | 22°43'12 | 7♑50 | 18°19 | 12° 7 | 16°46 | 28°21 | 6°30 | 11°52 | 18°27 | 27°46 | 21°11 | 21° 0 | 19°58 | 26°44 | S 10 |
| M11 | 21 41 13 | 23°41'11 | 22°38 | 19°34 | 12°40 | 17°23 | 28°32 | 6°34 | 11°52 | 18°27 | 27°46 | 21° 4 | 20°57 | 20° 4 | 26°43 | M11 |
| T 12 | 21 45 10 | 24°39'12 | 7♒46 | 20°48 | 13°15 | 18° 0 | 28°42 | 6°37 | 11°52 | 18°28 | 27°46 | 20°54 | 20°53 | 20°11 | 26°42 | T 12 |
| W13 | 21 49 6 | 25°37'15 | 23° 6 | 21°59 | 13°50 | 18°37 | 28°52 | 6°41 | 11°52 | 18°28 | 27°46 | 20°43 | 20°50 | 20°18 | 26°41 | W13 |
| T 14 | 21 53 3 | 26°35'19 | 8♓25 | 23° 9 | 14°27 | 19°14 | 29° 2 | 6°44 | 11°51 | 18°29 | 27°47 | 20°33 | 20°47 | 20°24 | 26°40 | T 14 |
| F 15 | 21 56 59 | 27°33'25 | 23°32 | 24°16 | 15° 5 | 19°51 | 29°12 | 6°47 | 11°D51 | 18°30 | 27°47 | 20°23 | 20°44 | 20°31 | 26°39 | F 15 |
| S 16 | 22 0 56 | 28°31'32 | 8♈19 | 25°21 | 15°45 | 20°29 | 29°22 | 6°50 | 11°51 | 18°30 | 27°47 | 20°16 | 20°41 | 20°38 | 26°38 | S 16 |
| S 17 | 22 4 52 | 29°29'42 | 22°38 | 26°24 | 16°25 | 21° 7 | 29°32 | 6°53 | 11°52 | 18°31 | 27°47 | 20°11 | 20°37 | 20°45 | 26°37 | S 17 |
| M18 | 22 8 49 | 0♍27'54 | 6♉27 | 27°25 | 17° 7 | 21°44 | 29°42 | 6°56 | 11°52 | 18°32 | 27°47 | 20° 9 | 20°34 | 20°51 | 26°36 | M18 |
| T 19 | 22 12 46 | 1°26'07 | 19°49 | 28°22 | 17°49 | 22°23 | 29°51 | 6°59 | 11°52 | 18°33 | 27°47 | 20°D 9 | 20°31 | 20°58 | 26°34 | T 19 |
| W20 | 22 16 42 | 2°24'23 | 2♊44 | 29°18 | 18°33 | 23° 1 | 0♋ 1 | 7° 2 | 11°52 | 18°33 | 27°47 | 20°R 9 | 20°28 | 21° 5 | 26°33 | W20 |
| T 21 | 22 20 39 | 3°22'42 | 15°18 | 0♎10 | 19°18 | 23°39 | 0°10 | 7° 4 | 11°52 | 18°34 | 27°47 | 20° 8 | 20°25 | 21°12 | 26°32 | T 21 |
| F 22 | 22 24 35 | 4°21'02 | 27°35 | 0°59 | 20° 3 | 24°18 | 0°19 | 7° 7 | 11°53 | 18°35 | 27°R47 | 20° 6 | 20°22 | 21°18 | 26°30 | F 22 |
| S 23 | 22 28 32 | 5°19'24 | 9♋41 | 1°45 | 20°49 | 24°57 | 0°29 | 7° 9 | 11°53 | 18°36 | 27°47 | 20° 1 | 20°18 | 21°25 | 26°29 | S 23 |
| S 24 | 22 32 28 | 6°17'49 | 21°38 | 2°27 | 21°37 | 25°36 | 0°38 | 7°12 | 11°53 | 18°37 | 27°47 | 19°54 | 20°15 | 21°32 | 26°27 | S 24 |
| M25 | 22 36 25 | 7°16'15 | 3♌31 | 3° 5 | 22°25 | 26°15 | 0°46 | 7°14 | 11°54 | 18°38 | 27°47 | 19°44 | 20°12 | 21°38 | 26°25 | M25 |
| T 26 | 22 40 21 | 8°14'44 | 15°23 | 3°40 | 23°14 | 26°54 | 0°55 | 7°16 | 11°54 | 18°39 | 27°47 | 19°32 | 20° 9 | 21°45 | 26°24 | T 26 |
| W27 | 22 44 18 | 9°13'14 | 27°15 | 4°10 | 24° 3 | 27°33 | 1° 4 | 7°18 | 11°55 | 18°40 | 27°47 | 19°19 | 20° 6 | 21°52 | 26°22 | W27 |
| T 28 | 22 48 15 | 10°11'47 | 9♍ 9 | 4°35 | 24°54 | 28°13 | 1°12 | 7°20 | 11°56 | 18°41 | 27°47 | 19° 6 | 20° 2 | 21°59 | 26°20 | T 28 |
| F 29 | 22 52 11 | 11°10'21 | 21° 7 | 4°55 | 25°45 | 28°53 | 1°21 | 7°22 | 11°56 | 18°42 | 27°47 | 18°54 | 19°59 | 22° 5 | 26°19 | F 29 |
| S 30 | 22 56 8 | 12° 8'57 | 3♎10 | 5° 9 | 26°36 | 29°32 | 1°29 | 7°23 | 11°57 | 18°43 | 27°47 | 18°44 | 19°56 | 22°12 | 26°17 | S 30 |
| S 31 | 23 0 4 | 13♍ 7'36 | 15♎19 | 5♎18 | 27♋29 | 0♐12 | 1♋37 | 7♊25 | 11♐58 | 18♏44 | 27♉47 | 18♉37 | 19♉53 | 22♌19 | 26♈15 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n42 | 11n23 | 4n41 | 9n40 | 0n16 | 17n11 | 6s 7 | 16s58 | 1s43 | 23n14 | 0s17 | 19n40 | 1s45 | 22s24 | 0s 4 | 15s41 | 1n46 | 8n20 | 11s42 | 18n17 | 18n13 | 20n 5 | 11n 1 | 0n41 |
| S 2 | 16 25 | 6 16 | 4 14 | 9 0 | 0 8 | 17 15 | 6 2 | 17 9 | 1 44 | 23 14 | 0 17 | 19 41 | 1 45 | 22 24 | 0 4 | 15 41 | 1 46 | 8 20 | 11 42 | 18 14 | 18 12 | 20 3 | 11 1 | 0 40 |
| S 3 | 16 8 | 0 53 | 3 35 | 8 19 | 0s 0 | 17 19 | 5 57 | 17 20 | 1 44 | 23 15 | 0 17 | 19 41 | 1 45 | 22 24 | 0 4 | 15 41 | 1 46 | 8 19 | 11 43 | 18 12 | 18 11 | 20 1 | 11 1 | 0 40 |
| M 4 | 15 50 | 4s37 | 2 45 | 7 39 | 0 9 | 17 22 | 5 52 | 17 31 | 1 45 | 23 15 | 0 17 | 19 42 | 1 46 | 22 23 | 0 4 | 15 42 | 1 46 | 8 19 | 11 43 | 18 11 | 18 10 | 19 59 | 11 1 | 0 40 |
| T 5 | 15 32 | 10 3 | 1 47 | 6 58 | 0 17 | 17 26 | 5 46 | 17 43 | 1 45 | 23 15 | 0 16 | 19 42 | 1 46 | 22 23 | 0 4 | 15 42 | 1 46 | 8 19 | 11 43 | 18 10 | 18 10 | 19 57 | 11 0 | 0 40 |
| W 6 | 15 14 | 15 12 | 0 43 | 6 18 | 0 26 | 17 30 | 5 41 | 17 54 | 1 45 | 23 15 | 0 16 | 19 43 | 1 46 | 22 23 | 0 4 | 15 42 | 1 46 | 8 19 | 11 43 | 18 10 | 18 9 | 19 55 | 11 0 | 0 40 |
| T 7 | 14 56 | 19 48 | 0s26 | 5 39 | 0 35 | 17 33 | 5 35 | 18 5 | 1 46 | 23 16 | 0 16 | 19 44 | 1 46 | 22 23 | 0 4 | 15 42 | 1 46 | 8 19 | 11 43 | 18 10 | 18 8 | 19 53 | 11 0 | 0 40 |
| F 8 | 14 38 | 23 34 | 1 35 | 4 59 | 0 43 | 17 37 | 5 29 | 18 16 | 1 46 | 23 16 | 0 16 | 19 44 | 1 46 | 22 23 | 0 4 | 15 42 | 1 45 | 8 19 | 11 44 | 18 10 | 18 7 | 19 50 | 10 59 | 0 40 |
| S 9 | 14 19 | 26 4 | 2 41 | 4 20 | 0 52 | 17 40 | 5 24 | 18 27 | 1 47 | 23 16 | 0 16 | 19 45 | 1 46 | 22 23 | 0 4 | 15 42 | 1 45 | 8 19 | 11 44 | 18 10 | 18 6 | 19 48 | 10 59 | 0 40 |
| S 10 | 14 0 | 26 58 | 3 39 | 3 42 | 1 2 | 17 44 | 5 18 | 18 38 | 1 47 | 23 16 | 0 16 | 19 45 | 1 46 | 22 23 | 0 4 | 15 43 | 1 45 | 8 18 | 11 44 | 18 8 | 18 5 | 19 46 | 10 59 | 0 40 |
| M11 | 13 41 | 25 59 | 4 24 | 3 4 | 1 11 | 17 47 | 5 11 | 18 49 | 1 47 | 23 17 | 0 16 | 19 46 | 1 46 | 22 23 | 0 4 | 15 43 | 1 45 | 8 18 | 11 44 | 18 6 | 18 5 | 19 44 | 10 58 | 0 40 |
| T 12 | 13 22 | 23 7 | 4 52 | 2 27 | 1 20 | 17 50 | 5 5 | 19 0 | 1 48 | 23 17 | 0 16 | 19 46 | 1 46 | 22 23 | 0 4 | 15 43 | 1 45 | 8 18 | 11 44 | 18 4 | 18 4 | 19 42 | 10 58 | 0 40 |
| W13 | 13 2 | 18 36 | 5 0 | 1 50 | 1 29 | 17 52 | 4 59 | 19 10 | 1 48 | 23 17 | 0 16 | 19 47 | 1 47 | 22 23 | 0 4 | 15 43 | 1 45 | 8 18 | 11 45 | 18 1 | 18 3 | 19 40 | 10 58 | 0 40 |
| T 14 | 12 43 | 12 52 | 4 46 | 1 14 | 1 38 | 17 55 | 4 52 | 19 21 | 1 48 | 23 17 | 0 16 | 19 47 | 1 47 | 22 23 | 0 4 | 15 44 | 1 45 | 8 18 | 11 45 | 17 58 | 18 2 | 19 37 | 10 57 | 0 40 |
| F 15 | 12 23 | 6 26 | 4 12 | 0 39 | 1 47 | 17 57 | 4 46 | 19 32 | 1 49 | 23 17 | 0 16 | 19 47 | 1 47 | 22 23 | 0 4 | 15 44 | 1 45 | 8 18 | 11 45 | 17 56 | 18 1 | 19 35 | 10 57 | 0 40 |
| S 16 | 12 2 | 0n13 | 3 22 | 0 4 | 1 57 | 17 59 | 4 39 | 19 42 | 1 49 | 23 17 | 0 16 | 19 48 | 1 47 | 22 23 | 0 4 | 15 44 | 1 45 | 8 17 | 11 45 | 17 54 | 18 0 | 19 33 | 10 56 | 0 40 |
| S 17 | 11 42 | 6 41 | 2 20 | 0s29 | 2 6 | 18 1 | 4 33 | 19 52 | 1 49 | 23 17 | 0 16 | 19 48 | 1 47 | 22 23 | 0 4 | 15 44 | 1 45 | 8 17 | 11 46 | 17 52 | 17 59 | 19 31 | 10 56 | 0 40 |
| M18 | 11 22 | 12 36 | 1 12 | 1 2 | 2 15 | 18 3 | 4 26 | 20 3 | 1 49 | 23 17 | 0 16 | 19 49 | 1 47 | 22 23 | 0 4 | 15 45 | 1 45 | 8 17 | 11 46 | 17 52 | 17 59 | 19 29 | 10 55 | 0 40 |
| T 19 | 11 1 | 17 45 | 0 2 | 1 33 | 2 24 | 18 4 | 4 20 | 20 13 | 1 50 | 23 18 | 0 16 | 19 49 | 1 47 | 22 23 | 0 4 | 15 45 | 1 45 | 8 17 | 11 46 | 17 52 | 17 58 | 19 26 | 10 55 | 0 40 |
| W20 | 10 40 | 21 53 | 1n 6 | 2 3 | 2 33 | 18 5 | 4 13 | 20 23 | 1 50 | 23 18 | 0 15 | 19 49 | 1 47 | 22 23 | 0 4 | 15 45 | 1 45 | 8 17 | 11 46 | 17 52 | 17 57 | 19 24 | 10 54 | 0 40 |
| T 21 | 10 19 | 24 52 | 2 9 | 2 32 | 2 41 | 18 5 | 4 6 | 20 33 | 1 50 | 23 18 | 0 15 | 19 50 | 1 48 | 22 23 | 0 4 | 15 45 | 1 45 | 8 16 | 11 46 | 17 52 | 17 56 | 19 22 | 10 54 | 0 40 |
| F 22 | 9 58 | 26 36 | 3 4 | 2 59 | 2 50 | 18 6 | 4 0 | 20 43 | 1 50 | 23 18 | 0 15 | 19 50 | 1 48 | 22 23 | 0 4 | 15 46 | 1 45 | 8 16 | 11 47 | 17 51 | 17 55 | 19 20 | 10 53 | 0 40 |
| S 23 | 9 36 | 27 2 | 3 50 | 3 25 | 2 58 | 18 6 | 3 53 | 20 53 | 1 50 | 23 18 | 0 15 | 19 50 | 1 48 | 22 23 | 0 4 | 15 46 | 1 45 | 8 16 | 11 47 | 17 50 | 17 54 | 19 18 | 10 53 | 0 40 |
| S 24 | 9 15 | 26 10 | 4 26 | 3 49 | 3 6 | 18 5 | 3 46 | 21 2 | 1 51 | 23 18 | 0 15 | 19 50 | 1 48 | 22 23 | 0 4 | 15 46 | 1 44 | 8 16 | 11 47 | 17 48 | 17 54 | 19 15 | 10 52 | 0 40 |
| M25 | 8 53 | 24 8 | 4 49 | 4 12 | 3 14 | 18 4 | 3 39 | 21 12 | 1 51 | 23 18 | 0 15 | 19 51 | 1 48 | 22 23 | 0 4 | 15 47 | 1 44 | 8 16 | 11 47 | 17 45 | 17 53 | 19 13 | 10 51 | 0 40 |
| T 26 | 8 31 | 21 4 | 5 0 | 4 32 | 3 21 | 18 3 | 3 33 | 21 21 | 1 51 | 23 18 | 0 15 | 19 51 | 1 48 | 22 24 | 0 4 | 15 47 | 1 44 | 8 15 | 11 47 | 17 42 | 17 52 | 19 11 | 10 51 | 0 39 |
| W27 | 8 9 | 17 9 | 4 58 | 4 50 | 3 28 | 18 1 | 3 26 | 21 30 | 1 51 | 23 18 | 0 15 | 19 51 | 1 48 | 22 24 | 0 4 | 15 47 | 1 44 | 8 15 | 11 48 | 17 38 | 17 51 | 19 9 | 10 50 | 0 39 |
| T 28 | 7 47 | 12 32 | 4 43 | 5 6 | 3 34 | 17 59 | 3 19 | 21 40 | 1 51 | 23 18 | 0 15 | 19 51 | 1 48 | 22 24 | 0 4 | 15 48 | 1 44 | 8 15 | 11 48 | 17 35 | 17 50 | 19 6 | 10 49 | 0 39 |
| F 29 | 7 25 | 7 27 | 4 15 | 5 19 | 3 40 | 17 56 | 3 13 | 21 49 | 1 51 | 23 18 | 0 15 | 19 51 | 1 49 | 22 24 | 0 4 | 15 48 | 1 44 | 8 15 | 11 48 | 17 31 | 17 49 | 19 4 | 10 49 | 0 39 |
| S 30 | 7 2 | 2 3 | 3 36 | 5 29 | 3 45 | 17 53 | 3 6 | 21 58 | 1 51 | 23 18 | 0 15 | 19 51 | 1 49 | 22 24 | 0 4 | 15 48 | 1 44 | 8 14 | 11 48 | 17 29 | 17 48 | 19 2 | 10 48 | 0 39 |
| S 31 | 6n40 | 3s30 | 2n47 | 5s37 | 3s49 | 17n50 | 2s59 | 22s 6 | 1s51 | 23n18 | 0s15 | 19n52 | 1s49 | 22s24 | 0s 4 | 15s49 | 1n44 | 8n14 | 11s49 | 17n27 | 17n48 | 19n 0 | 10n47 | 0n39 |

Julian Day Number = 2140211.5, Delta T = 15m24s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'21, Lahiri = 11°58'21 Julian Calendar 1 Aug. 1147 == Greg. Calendar 8 Aug. 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## SEPTEMBER 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 4 1 | 14♍ 6'16 | 27♎36 | 5°R20 | 28♋22 | 0♐53 | 1♋45 | 7♊26 | 11♐59 | 18♏46 | 27°R46 | 18°R32 | 19♉50 | 22♌26 | 26°R13 | M 1 |
| T 2 | 23 7 57 | 15° 4'58 | 10♏ 5 | 5♎16 | 29°16 | 1°33 | 1°53 | 7°28 | 11°59 | 18°47 | 27♉46 | 18♉30 | 19°47 | 22°32 | 26♈11 | T 2 |
| W 3 | 23 11 54 | 16° 3'41 | 22°47 | 5° 6 | 0♌10 | 2°13 | 2° 1 | 7°29 | 12° 0 | 18°48 | 27°46 | 18°D30 | 19°43 | 22°39 | 26° 9 | W 3 |
| T 4 | 23 15 50 | 17° 2'27 | 5♐47 | 4°48 | 1° 5 | 2°54 | 2° 8 | 7°30 | 12° 1 | 18°49 | 27°46 | 18°30 | 19°40 | 22°46 | 26° 7 | T 4 |
| F 5 | 23 19 47 | 18° 1'14 | 19° 7 | 4°23 | 2° 0 | 3°35 | 2°16 | 7°31 | 12° 2 | 18°51 | 27°45 | 18°R31 | 19°37 | 22°52 | 26° 5 | F 5 |
| S 6 | 23 23 43 | 19° 0'03 | 2♑51 | 3°50 | 2°56 | 4°16 | 2°23 | 7°32 | 12° 4 | 18°52 | 27°45 | 18°30 | 19°34 | 22°59 | 26° 3 | S 6 |
| S 7 | 23 27 40 | 19°58'54 | 17° 0 | 3°11 | 3°53 | 4°56 | 2°30 | 7°33 | 12° 5 | 18°53 | 27°45 | 18°27 | 19°31 | 23° 6 | 26° 0 | S 7 |
| M 8 | 23 31 37 | 20°57'47 | 1♒33 | 2°24 | 4°50 | 5°38 | 2°37 | 7°33 | 12° 6 | 18°55 | 27°44 | 18°22 | 19°28 | 23°13 | 25°58 | M 8 |
| T 9 | 23 35 33 | 21°56'41 | 16°26 | 1°31 | 5°48 | 6°19 | 2°44 | 7°34 | 12° 7 | 18°56 | 27°44 | 18°15 | 19°24 | 23°19 | 25°56 | T 9 |
| W10 | 23 39 30 | 22°55'37 | 1♓32 | 0°32 | 6°46 | 7° 0 | 2°51 | 7°34 | 12° 8 | 18°57 | 27°44 | 18° 6 | 19°21 | 23°26 | 25°54 | W10 |
| T 11 | 23 43 26 | 23°54'35 | 16°41 | 29♍29 | 7°44 | 7°42 | 2°57 | 7°35 | 12°10 | 18°59 | 27°43 | 17°58 | 19°18 | 23°33 | 25°51 | T 11 |
| F 12 | 23 47 23 | 24°53'35 | 1♈44 | 28°22 | 8°43 | 8°23 | 3° 4 | 7°35 | 12°11 | 19° 0 | 27°43 | 17°51 | 19°15 | 23°39 | 25°49 | F 12 |
| S 13 | 23 51 19 | 25°52'37 | 16°30 | 27°14 | 9°43 | 9° 5 | 3°10 | 7°35 | 12°13 | 19° 2 | 27°42 | 17°45 | 19°12 | 23°46 | 25°47 | S 13 |
| S 14 | 23 55 16 | 26°51'41 | 0♉53 | 26° 5 | 10°42 | 9°47 | 3°16 | 7°R35 | 12°14 | 19° 3 | 27°42 | 17°42 | 19° 8 | 23°53 | 25°44 | S 14 |
| M15 | 23 59 12 | 27°50'48 | 14°49 | 24°58 | 11°43 | 10°29 | 3°22 | 7°35 | 12°16 | 19° 5 | 27°41 | 17°D40 | 19° 5 | 24° 0 | 25°42 | M15 |
| T 16 | 0 3 9 | 28°49'57 | 28°17 | 23°55 | 12°43 | 11°11 | 3°28 | 7°35 | 12°17 | 19° 7 | 27°41 | 17°41 | 19° 2 | 24° 6 | 25°39 | T 16 |
| W17 | 0 7 6 | 29°49'08 | 11♊18 | 22°56 | 13°45 | 11°53 | 3°33 | 7°35 | 12°19 | 19° 8 | 27°40 | 17°42 | 18°59 | 24°13 | 25°37 | W17 |
| T 18 | 0 11 2 | 0♎48'22 | 23°56 | 22° 5 | 14°46 | 12°35 | 3°39 | 7°34 | 12°20 | 19°10 | 27°40 | 17°43 | 18°56 | 24°20 | 25°34 | T 18 |
| F 19 | 0 14 59 | 1°47'38 | 6♋15 | 21°23 | 15°48 | 13°17 | 3°44 | 7°34 | 12°22 | 19°11 | 27°39 | 17°R43 | 18°53 | 24°27 | 25°32 | F 19 |
| S 20 | 0 18 55 | 2°46'57 | 18°21 | 20°49 | 16°50 | 14° 0 | 3°49 | 7°33 | 12°24 | 19°13 | 27°39 | 17°42 | 18°49 | 24°33 | 25°29 | S 20 |
| S 21 | 0 22 52 | 3°46'17 | 0♌18 | 20°26 | 17°53 | 14°42 | 3°54 | 7°32 | 12°26 | 19°15 | 27°38 | 17°38 | 18°46 | 24°40 | 25°26 | S 21 |
| M22 | 0 26 48 | 4°45'40 | 12°10 | 20°14 | 18°56 | 15°25 | 3°59 | 7°31 | 12°28 | 19°17 | 27°37 | 17°33 | 18°43 | 24°47 | 25°24 | M22 |
| T 23 | 0 30 45 | 5°45'06 | 24° 1 | 20°D13 | 19°59 | 16° 8 | 4° 3 | 7°31 | 12°29 | 19°18 | 27°37 | 17°26 | 18°40 | 24°53 | 25°21 | T 23 |
| W24 | 0 34 41 | 6°44'33 | 5♍55 | 20°22 | 21° 3 | 16°51 | 4° 8 | 7°29 | 12°31 | 19°20 | 27°36 | 17°19 | 18°37 | 25° 0 | 25°18 | W24 |
| T 25 | 0 38 38 | 7°44'03 | 17°54 | 20°42 | 22° 6 | 17°34 | 4°12 | 7°28 | 12°33 | 19°22 | 27°36 | 17°11 | 18°34 | 25° 7 | 25°16 | T 25 |
| F 26 | 0 42 35 | 8°43'35 | 29°59 | 21°12 | 23°11 | 18°17 | 4°16 | 7°27 | 12°35 | 19°24 | 27°35 | 17° 4 | 18°30 | 25°14 | 25°13 | F 26 |
| S 27 | 0 46 31 | 9°43'09 | 12♎13 | 21°51 | 24°15 | 19° 0 | 4°20 | 7°26 | 12°37 | 19°25 | 27°34 | 16°58 | 18°27 | 25°20 | 25°10 | S 27 |
| S 28 | 0 50 28 | 10°42'45 | 24°35 | 22°39 | 25°20 | 19°43 | 4°24 | 7°24 | 12°40 | 19°27 | 27°33 | 16°54 | 18°24 | 25°27 | 25° 7 | S 28 |
| M29 | 0 54 24 | 11°42'23 | 7♏ 8 | 23°34 | 26°25 | 20°27 | 4°27 | 7°22 | 12°42 | 19°29 | 27°33 | 16°52 | 18°21 | 25°34 | 25° 4 | M29 |
| T 30 | 0 58 21 | 12♎42'03 | 19♏52 | 24♍37 | 27♌30 | 21♐10 | 4♋31 | 7♊21 | 12♐44 | 19♏31 | 27♉32 | 16°D51 | 18♉18 | 25♌40 | 25♈ 2 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n17 | 8s59 | 1n49 | 5s41 | 3s52 | 17n46 | 2s53 | 22s15 | 1s52 | 23n18 | 0s15 | 19n52 | 1s49 | 22s24 | 0s 4 | 15s49 | 1n44 | 8n14 | 11s49 | 17n25 | 17n47 | 18n57 | 10n46 | 0n39 |
| T 2 | 5 54 | 14 12 | 0 45 | 5 41 | 3 54 | 17 42 | 2 46 | 22 23 | 1 52 | 23 18 | 0 15 | 19 52 | 1 49 | 22 24 | 0 4 | 15 49 | 1 44 | 8 14 | 11 49 | 17 25 | 17 46 | 18 55 | 10 46 | 0 39 |
| W 3 | 5 31 | 18 55 | 0s23 | 5 38 | 3 55 | 17 37 | 2 39 | 22 32 | 1 52 | 23 18 | 0 14 | 19 52 | 1 49 | 22 24 | 0 4 | 15 50 | 1 44 | 8 14 | 11 49 | 17 25 | 17 45 | 18 53 | 10 45 | 0 39 |
| T 4 | 5 8 | 22 52 | 1 31 | 5 31 | 3 55 | 17 31 | 2 33 | 22 40 | 1 52 | 23 18 | 0 14 | 19 52 | 1 49 | 22 25 | 0 4 | 15 50 | 1 44 | 8 13 | 11 49 | 17 25 | 17 44 | 18 50 | 10 44 | 0 39 |
| F 5 | 4 45 | 25 42 | 2 36 | 5 19 | 3 54 | 17 26 | 2 26 | 22 48 | 1 52 | 23 18 | 0 14 | 19 52 | 1 49 | 22 25 | 0 4 | 15 51 | 1 44 | 8 13 | 11 50 | 17 25 | 17 43 | 18 48 | 10 43 | 0 39 |
| S 6 | 4 22 | 27 5 | 3 34 | 5 3 | 3 51 | 17 19 | 2 20 | 22 56 | 1 52 | 23 18 | 0 14 | 19 52 | 1 50 | 22 25 | 0 4 | 15 51 | 1 44 | 8 13 | 11 50 | 17 25 | 17 42 | 18 46 | 10 42 | 0 39 |
| S 7 | 3 59 | 26 46 | 4 21 | 4 43 | 3 46 | 17 13 | 2 13 | 23 3 | 1 52 | 23 18 | 0 14 | 19 52 | 1 50 | 22 25 | 0 4 | 15 52 | 1 44 | 8 12 | 11 50 | 17 24 | 17 41 | 18 43 | 10 42 | 0 39 |
| M 8 | 3 36 | 24 39 | 4 52 | 4 18 | 3 39 | 17 5 | 2 7 | 23 11 | 1 52 | 23 17 | 0 14 | 19 52 | 1 50 | 22 25 | 0 4 | 15 52 | 1 44 | 8 12 | 11 50 | 17 23 | 17 41 | 18 41 | 10 41 | 0 39 |
| T 9 | 3 13 | 20 50 | 5 5 | 3 49 | 3 31 | 16 58 | 2 1 | 23 18 | 1 52 | 23 17 | 0 14 | 19 52 | 1 50 | 22 25 | 0 4 | 15 52 | 1 44 | 8 12 | 11 50 | 17 21 | 17 40 | 18 39 | 10 40 | 0 39 |
| W10 | 2 49 | 15 36 | 4 57 | 3 16 | 3 20 | 16 50 | 1 54 | 23 25 | 1 52 | 23 17 | 0 14 | 19 52 | 1 50 | 22 26 | 0 4 | 15 53 | 1 44 | 8 12 | 11 51 | 17 18 | 17 39 | 18 37 | 10 39 | 0 39 |
| T 11 | 2 26 | 9 23 | 4 28 | 2 40 | 3 8 | 16 41 | 1 48 | 23 32 | 1 52 | 23 17 | 0 14 | 19 52 | 1 50 | 22 26 | 0 4 | 15 53 | 1 44 | 8 11 | 11 51 | 17 16 | 17 38 | 18 34 | 10 38 | 0 39 |
| F 12 | 2 2 | 2 41 | 3 41 | 2 0 | 2 53 | 16 32 | 1 42 | 23 39 | 1 52 | 23 17 | 0 14 | 19 52 | 1 50 | 22 26 | 0 4 | 15 54 | 1 43 | 8 11 | 11 51 | 17 14 | 17 37 | 18 32 | 10 37 | 0 39 |
| S 13 | 1 39 | 4n 4 | 2 39 | 1 18 | 2 37 | 16 22 | 1 36 | 23 45 | 1 52 | 23 17 | 0 14 | 19 52 | 1 51 | 22 26 | 0 4 | 15 54 | 1 43 | 8 11 | 11 51 | 17 12 | 17 36 | 18 30 | 10 36 | 0 39 |
| S 14 | 1 15 | 10 27 | 1 29 | 0 34 | 2 20 | 16 12 | 1 30 | 23 51 | 1 51 | 23 17 | 0 14 | 19 52 | 1 51 | 22 26 | 0 4 | 15 55 | 1 43 | 8 11 | 11 51 | 17 11 | 17 35 | 18 27 | 10 35 | 0 38 |
| M15 | 0 52 | 16 7 | 0 15 | 0n10 | 2 1 | 16 1 | 1 23 | 23 58 | 1 51 | 23 17 | 0 14 | 19 51 | 1 51 | 22 26 | 0 4 | 15 55 | 1 43 | 8 10 | 11 51 | 17 11 | 17 35 | 18 25 | 10 34 | 0 38 |
| T 16 | 0 28 | 20 48 | 0n57 | 0 53 | 1 41 | 15 50 | 1 17 | 24 4 | 1 51 | 23 17 | 0 13 | 19 51 | 1 51 | 22 27 | 0 4 | 15 56 | 1 43 | 8 10 | 11 52 | 17 11 | 17 34 | 18 22 | 10 33 | 0 38 |
| W17 | 0 4 | 24 17 | 2 4 | 1 35 | 1 21 | 15 38 | 1 12 | 24 9 | 1 51 | 23 17 | 0 13 | 19 51 | 1 51 | 22 27 | 0 4 | 15 56 | 1 43 | 8 10 | 11 52 | 17 11 | 17 33 | 18 20 | 10 32 | 0 38 |
| T 18 | 0s19 | 26 27 | 3 3 | 2 14 | 1 0 | 15 26 | 1 6 | 24 15 | 1 51 | 23 17 | 0 13 | 19 51 | 1 51 | 22 27 | 0 4 | 15 57 | 1 43 | 8 9 | 11 52 | 17 12 | 17 32 | 18 18 | 10 31 | 0 38 |
| F 19 | 0 43 | 27 16 | 3 52 | 2 49 | 0 40 | 15 13 | 1 0 | 24 20 | 1 51 | 23 17 | 0 13 | 19 51 | 1 51 | 22 27 | 0 4 | 15 57 | 1 43 | 8 9 | 11 52 | 17 12 | 17 31 | 18 15 | 10 30 | 0 38 |
| S 20 | 1 7 | 26 44 | 4 29 | 3 20 | 0 20 | 15 0 | 0 54 | 24 25 | 1 51 | 23 17 | 0 13 | 19 50 | 1 51 | 22 28 | 0 4 | 15 58 | 1 43 | 8 9 | 11 52 | 17 11 | 17 30 | 18 13 | 10 29 | 0 38 |
| S 21 | 1 30 | 24 59 | 4 55 | 3 47 | 0 1 | 14 47 | 0 48 | 24 30 | 1 51 | 23 17 | 0 13 | 19 50 | 1 51 | 22 28 | 0 4 | 15 58 | 1 43 | 8 9 | 11 53 | 17 10 | 17 29 | 18 11 | 10 28 | 0 38 |
| M22 | 1 54 | 22 8 | 5 7 | 4 8 | 0n16 | 14 32 | 0 43 | 24 35 | 1 50 | 23 17 | 0 13 | 19 50 | 1 52 | 22 28 | 0 4 | 15 59 | 1 43 | 8 8 | 11 53 | 17 9 | 17 28 | 18 8 | 10 27 | 0 38 |
| T 23 | 2 18 | 18 23 | 5 7 | 4 24 | 0 33 | 14 18 | 0 37 | 24 39 | 1 50 | 23 16 | 0 13 | 19 50 | 1 52 | 22 28 | 0 4 | 15 59 | 1 43 | 8 8 | 11 53 | 17 7 | 17 28 | 18 6 | 10 26 | 0 38 |
| W24 | 2 41 | 13 55 | 4 53 | 4 35 | 0 48 | 14 3 | 0 32 | 24 43 | 1 50 | 23 16 | 0 13 | 19 49 | 1 52 | 22 29 | 0 4 | 16 0 | 1 43 | 8 8 | 11 53 | 17 5 | 17 27 | 18 3 | 10 25 | 0 38 |
| T 25 | 3 5 | 8 53 | 4 26 | 4 39 | 1 2 | 13 47 | 0 27 | 24 47 | 1 50 | 23 16 | 0 13 | 19 49 | 1 52 | 22 29 | 0 4 | 16 0 | 1 43 | 8 7 | 11 53 | 17 3 | 17 26 | 18 1 | 10 24 | 0 38 |
| F 26 | 3 29 | 3 28 | 3 47 | 4 39 | 1 15 | 13 31 | 0 21 | 24 51 | 1 50 | 23 16 | 0 13 | 19 49 | 1 52 | 22 29 | 0 4 | 16 1 | 1 43 | 8 7 | 11 53 | 17 1 | 17 25 | 17 59 | 10 23 | 0 38 |
| S 27 | 3 52 | 2s 8 | 2 57 | 4 33 | 1 26 | 13 15 | 0 16 | 24 55 | 1 50 | 23 16 | 0 13 | 19 48 | 1 52 | 22 29 | 0 4 | 16 1 | 1 43 | 8 7 | 11 54 | 16 59 | 17 24 | 17 56 | 10 22 | 0 38 |
| S 28 | 4 16 | 7 44 | 1 58 | 4 23 | 1 35 | 12 58 | 0 11 | 24 58 | 1 49 | 23 16 | 0 12 | 19 48 | 1 52 | 22 30 | 0 4 | 16 2 | 1 43 | 8 6 | 11 54 | 16 58 | 17 23 | 17 54 | 10 21 | 0 38 |
| M29 | 4 39 | 13 8 | 0 53 | 4 8 | 1 43 | 12 41 | 0 6 | 25 1 | 1 49 | 23 16 | 0 12 | 19 48 | 1 52 | 22 30 | 0 4 | 16 2 | 1 43 | 8 6 | 11 54 | 16 57 | 17 22 | 17 51 | 10 20 | 0 37 |
| T 30 | 5s 2 | 18s 3 | 0s16 | 3n49 | 1n49 | 12n23 | 0s 1 | 25s 4 | 1s49 | 23n16 | 0s12 | 19n47 | 1s52 | 22s30 | 0s 4 | 16s 3 | 1n43 | 8n 6 | 11s54 | 16n57 | 17n21 | 17n49 | 10n19 | 0n37 |

Julian Day Number = 2140242.5, Delta T = 15m24s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'25, Lahiri = 11°58'25 Julian Calendar 1 Sept. 1147 == Greg. Calendar 8 Sept. 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## OCTOBER 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 2 17 | 13♎41'45 | 2♐48 | 25♍46 | 28♌36 | 21♐54 | 4♋34 | 7°R19 | 12♐46 | 19♏33 | 27°R31 | 16♉52 | 18♉14 | 25♌47 | 24°R59 | W 1 |
| T 2 | 1 6 14 | 14°41'29 | 15°58 | 27° 0 | 29°42 | 22°37 | 4°37 | 7♊17 | 12°48 | 19°35 | 27♉30 | 16°54 | 18°11 | 25°54 | 24♈56 | T 2 |
| F 3 | 1 10 10 | 15°41'15 | 29°24 | 28°19 | 0♍48 | 23°21 | 4°39 | 7°15 | 12°51 | 19°37 | 27°30 | 16°55 | 18° 8 | 26° 1 | 24°53 | F 3 |
| S 4 | 1 14 7 | 16°41'02 | 13♑ 7 | 29°41 | 1°54 | 24° 5 | 4°42 | 7°13 | 12°53 | 19°39 | 27°29 | 16°R56 | 18° 5 | 26° 7 | 24°50 | S 4 |
| S 5 | 1 18 4 | 17°40'51 | 27° 7 | 1♎ 7 | 3° 1 | 24°49 | 4°44 | 7°11 | 12°56 | 19°41 | 27°28 | 16°56 | 18° 2 | 26°14 | 24°47 | S 5 |
| M 6 | 1 22 0 | 18°40'42 | 11♒24 | 2°36 | 4° 8 | 25°33 | 4°47 | 7° 8 | 12°58 | 19°43 | 27°27 | 16°54 | 17°59 | 26°21 | 24°44 | M 6 |
| T 7 | 1 25 57 | 19°40'34 | 25°56 | 4° 8 | 5°15 | 26°17 | 4°49 | 7° 6 | 13° 1 | 19°45 | 27°26 | 16°51 | 17°55 | 26°28 | 24°42 | T 7 |
| W 8 | 1 29 53 | 20°40'28 | 10♓37 | 5°41 | 6°22 | 27° 1 | 4°51 | 7° 3 | 13° 3 | 19°47 | 27°25 | 16°48 | 17°52 | 26°34 | 24°39 | W 8 |
| T 9 | 1 33 50 | 21°40'24 | 25°22 | 7°15 | 7°29 | 27°45 | 4°52 | 7° 1 | 13° 6 | 19°49 | 27°24 | 16°44 | 17°49 | 26°41 | 24°36 | T 9 |
| F 10 | 1 37 46 | 22°40'22 | 10♈ 4 | 8°51 | 8°37 | 28°29 | 4°54 | 6°58 | 13° 8 | 19°51 | 27°24 | 16°41 | 17°46 | 26°48 | 24°33 | F 10 |
| S 11 | 1 41 43 | 23°40'21 | 24°35 | 10°28 | 9°45 | 29°14 | 4°55 | 6°55 | 13°11 | 19°53 | 27°23 | 16°38 | 17°43 | 26°54 | 24°30 | S 11 |
| S 12 | 1 45 39 | 24°40'22 | 8♉49 | 12° 6 | 10°53 | 29°58 | 4°56 | 6°52 | 13°13 | 19°55 | 27°22 | 16°37 | 17°39 | 27° 1 | 24°27 | S 12 |
| M13 | 1 49 36 | 25°40'26 | 22°41 | 13°44 | 12° 1 | 0♑43 | 4°57 | 6°49 | 13°16 | 19°57 | 27°21 | 16°D37 | 17°36 | 27° 8 | 24°24 | M13 |
| T 14 | 1 53 33 | 26°40'31 | 6♊ 9 | 15°22 | 13°10 | 1°27 | 4°57 | 6°46 | 13°19 | 19°59 | 27°20 | 16°38 | 17°33 | 27°15 | 24°21 | T 14 |
| W15 | 1 57 29 | 27°40'39 | 19°14 | 17° 1 | 14°19 | 2°12 | 4°58 | 6°43 | 13°22 | 20° 1 | 27°19 | 16°39 | 17°30 | 27°21 | 24°18 | W15 |
| T 16 | 2 1 26 | 28°40'49 | 1♋57 | 18°40 | 15°28 | 2°56 | 4°58 | 6°39 | 13°25 | 20° 3 | 27°18 | 16°41 | 17°27 | 27°28 | 24°15 | T 16 |
| F 17 | 2 5 22 | 29°41'01 | 14°20 | 20°18 | 16°37 | 3°41 | 4°R58 | 6°36 | 13°27 | 20° 6 | 27°17 | 16°42 | 17°24 | 27°35 | 24°12 | F 17 |
| S 18 | 2 9 19 | 0♏41'15 | 26°29 | 21°57 | 17°46 | 4°26 | 4°58 | 6°33 | 13°30 | 20° 8 | 27°16 | 16°R43 | 17°20 | 27°42 | 24°10 | S 18 |
| S 19 | 2 13 15 | 1°41'31 | 8♌28 | 23°36 | 18°55 | 5°11 | 4°58 | 6°29 | 13°33 | 20°10 | 27°15 | 16°43 | 17°17 | 27°48 | 24° 7 | S 19 |
| M20 | 2 17 12 | 2°41'49 | 20°21 | 25°14 | 20° 5 | 5°56 | 4°57 | 6°26 | 13°36 | 20°12 | 27°14 | 16°42 | 17°14 | 27°55 | 24° 4 | M20 |
| T 21 | 2 21 8 | 3°42'08 | 2♍13 | 26°52 | 21°15 | 6°41 | 4°56 | 6°22 | 13°39 | 20°14 | 27°13 | 16°41 | 17°11 | 28° 2 | 24° 1 | T 21 |
| W22 | 2 25 5 | 4°42'30 | 14° 8 | 28°30 | 22°25 | 7°26 | 4°55 | 6°18 | 13°42 | 20°16 | 27°12 | 16°39 | 17° 8 | 28° 8 | 23°58 | W22 |
| T 23 | 2 29 2 | 5°42'54 | 26°11 | 0♏ 8 | 23°35 | 8°11 | 4°54 | 6°14 | 13°45 | 20°19 | 27°11 | 16°37 | 17° 5 | 28°15 | 23°55 | T 23 |
| F 24 | 2 32 58 | 6°43'20 | 8♎23 | 1°45 | 24°45 | 8°56 | 4°53 | 6°10 | 13°48 | 20°21 | 27°10 | 16°36 | 17° 1 | 28°22 | 23°52 | F 24 |
| S 25 | 2 36 55 | 7°43'48 | 20°48 | 3°22 | 25°55 | 9°41 | 4°51 | 6° 6 | 13°51 | 20°23 | 27° 9 | 16°34 | 16°58 | 28°29 | 23°50 | S 25 |
| S 26 | 2 40 51 | 8°44'17 | 3♏26 | 4°59 | 27° 6 | 10°26 | 4°50 | 6° 2 | 13°54 | 20°25 | 27° 8 | 16°34 | 16°55 | 28°35 | 23°47 | S 26 |
| M27 | 2 44 48 | 9°44'48 | 16°18 | 6°35 | 28°16 | 11°12 | 4°48 | 5°58 | 13°57 | 20°27 | 27° 7 | 16°D34 | 16°52 | 28°42 | 23°44 | M27 |
| T 28 | 2 48 44 | 10°45'21 | 29°25 | 8°12 | 29°27 | 11°57 | 4°46 | 5°54 | 14° 1 | 20°30 | 27° 5 | 16°34 | 16°49 | 28°49 | 23°41 | T 28 |
| W29 | 2 52 41 | 11°45'55 | 12♐45 | 9°48 | 0♎38 | 12°42 | 4°43 | 5°50 | 14° 4 | 20°32 | 27° 4 | 16°34 | 16°45 | 28°55 | 23°38 | W29 |
| T 30 | 2 56 37 | 12°46'31 | 26°18 | 11°23 | 1°49 | 13°28 | 4°41 | 5°45 | 14° 7 | 20°34 | 27° 3 | 16°35 | 16°42 | 29° 2 | 23°36 | T 30 |
| F 31 | 3 0 34 | 13♏47'08 | 10♑ 2 | 12♏59 | 3♎ 0 | 14♑13 | 4♋38 | 5♊41 | 14♐10 | 20♏36 | 27♉ 2 | 16♉35 | 16♉39 | 29♌ 9 | 23♈33 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s26 | 22s13 | 1s26 | 3n26 | 1n54 | 12n 5 | 0n 4 | 25s 7 | 1s49 | 23n16 | 0s12 | 19n47 | 1s53 | 22s31 | 0s 4 | 16s 3 | 1n43 | 8n 6 | 11s54 | 16n57 | 17n20 | 17n47 | 10n18 | 0n37 |
| T 2 | 5 49 | 25 20 | 2 32 | 3 0 | 1 58 | 11 46 | 0 9 | 25 9 | 1 48 | 23 16 | 0 12 | 19 47 | 1 53 | 22 31 | 0 4 | 16 4 | 1 43 | 8 5 | 11 54 | 16 58 | 17 20 | 17 44 | 10 16 | 0 37 |
| F 3 | 6 12 | 27 5 | 3 32 | 2 32 | 2 1 | 11 27 | 0 13 | 25 11 | 1 48 | 23 16 | 0 12 | 19 46 | 1 53 | 22 31 | 0 4 | 16 4 | 1 43 | 8 5 | 11 54 | 16 58 | 17 19 | 17 42 | 10 15 | 0 37 |
| S 4 | 6 35 | 27 13 | 4 20 | 2 0 | 2 3 | 11 8 | 0 18 | 25 13 | 1 48 | 23 16 | 0 12 | 19 46 | 1 53 | 22 31 | 0 4 | 16 5 | 1 43 | 8 5 | 11 55 | 16 58 | 17 18 | 17 39 | 10 14 | 0 37 |
| S 5 | 6 58 | 25 39 | 4 55 | 1 26 | 2 4 | 10 48 | 0 22 | 25 14 | 1 47 | 23 16 | 0 12 | 19 45 | 1 53 | 22 32 | 0 4 | 16 6 | 1 42 | 8 4 | 11 55 | 16 58 | 17 17 | 17 37 | 10 13 | 0 37 |
| M 6 | 7 21 | 22 26 | 5 12 | 0 51 | 2 4 | 10 28 | 0 27 | 25 16 | 1 47 | 23 16 | 0 12 | 19 45 | 1 53 | 22 32 | 0 5 | 16 6 | 1 42 | 8 4 | 11 55 | 16 58 | 17 16 | 17 34 | 10 12 | 0 37 |
| T 7 | 7 44 | 17 47 | 5 9 | 0 14 | 2 3 | 10 7 | 0 31 | 25 17 | 1 47 | 23 16 | 0 12 | 19 44 | 1 53 | 22 32 | 0 5 | 16 7 | 1 42 | 8 4 | 11 55 | 16 57 | 17 15 | 17 32 | 10 11 | 0 37 |
| W 8 | 8 7 | 12 2 | 4 47 | 0s25 | 2 1 | 9 46 | 0 35 | 25 18 | 1 47 | 23 16 | 0 12 | 19 44 | 1 53 | 22 33 | 0 5 | 16 7 | 1 42 | 8 3 | 11 55 | 16 56 | 17 14 | 17 29 | 10 10 | 0 37 |
| T 9 | 8 29 | 5 36 | 4 5 | 1 5 | 1 59 | 9 25 | 0 40 | 25 18 | 1 46 | 23 16 | 0 12 | 19 43 | 1 53 | 22 33 | 0 5 | 16 8 | 1 42 | 8 3 | 11 55 | 16 55 | 17 13 | 17 27 | 10 9 | 0 37 |
| F 10 | 8 52 | 1n 8 | 3 7 | 1 45 | 1 56 | 9 3 | 0 44 | 25 18 | 1 46 | 23 16 | 0 11 | 19 43 | 1 53 | 22 33 | 0 5 | 16 8 | 1 42 | 8 3 | 11 55 | 16 54 | 17 12 | 17 24 | 10 7 | 0 37 |
| S 11 | 9 14 | 7 44 | 1 58 | 2 27 | 1 52 | 8 41 | 0 48 | 25 18 | 1 45 | 23 16 | 0 11 | 19 42 | 1 53 | 22 34 | 0 5 | 16 9 | 1 42 | 8 3 | 11 55 | 16 53 | 17 12 | 17 22 | 10 6 | 0 37 |
| S 12 | 9 36 | 13 50 | 0 43 | 3 8 | 1 48 | 8 19 | 0 51 | 25 18 | 1 45 | 23 16 | 0 11 | 19 42 | 1 54 | 22 34 | 0 5 | 16 10 | 1 42 | 8 2 | 11 55 | 16 53 | 17 11 | 17 19 | 10 5 | 0 37 |
| M13 | 9 58 | 19 4 | 0n33 | 3 51 | 1 44 | 7 56 | 0 55 | 25 18 | 1 45 | 23 16 | 0 11 | 19 41 | 1 54 | 22 34 | 0 5 | 16 10 | 1 42 | 8 2 | 11 56 | 16 53 | 17 10 | 17 17 | 10 4 | 0 36 |
| T 14 | 10 20 | 23 10 | 1 46 | 4 33 | 1 39 | 7 33 | 0 59 | 25 17 | 1 44 | 23 16 | 0 11 | 19 40 | 1 54 | 22 35 | 0 5 | 16 11 | 1 42 | 8 2 | 11 56 | 16 53 | 17 9 | 17 14 | 10 3 | 0 36 |
| W15 | 10 42 | 25 56 | 2 50 | 5 16 | 1 34 | 7 10 | 1 2 | 25 16 | 1 44 | 23 17 | 0 11 | 19 40 | 1 54 | 22 35 | 0 5 | 16 11 | 1 42 | 8 1 | 11 56 | 16 54 | 17 8 | 17 12 | 10 2 | 0 36 |
| T 16 | 11 3 | 27 17 | 3 45 | 5 58 | 1 29 | 6 46 | 1 6 | 25 15 | 1 44 | 23 17 | 0 11 | 19 39 | 1 54 | 22 35 | 0 5 | 16 12 | 1 42 | 8 1 | 11 56 | 16 54 | 17 7 | 17 9 | 10 1 | 0 36 |
| F 17 | 11 25 | 27 12 | 4 27 | 6 41 | 1 24 | 6 22 | 1 9 | 25 13 | 1 43 | 23 17 | 0 11 | 19 39 | 1 54 | 22 36 | 0 5 | 16 12 | 1 42 | 8 1 | 11 56 | 16 54 | 17 6 | 17 7 | 9 59 | 0 36 |
| S 18 | 11 46 | 25 48 | 4 56 | 7 23 | 1 18 | 5 58 | 1 12 | 25 11 | 1 43 | 23 17 | 0 11 | 19 38 | 1 54 | 22 36 | 0 5 | 16 13 | 1 42 | 8 0 | 11 56 | 16 55 | 17 5 | 17 4 | 9 58 | 0 36 |
| S 19 | 12 7 | 23 15 | 5 13 | 8 6 | 1 12 | 5 34 | 1 16 | 25 9 | 1 42 | 23 17 | 0 11 | 19 37 | 1 54 | 22 37 | 0 5 | 16 14 | 1 42 | 8 0 | 11 56 | 16 55 | 17 4 | 17 2 | 9 57 | 0 36 |
| M20 | 12 28 | 19 45 | 5 15 | 8 47 | 1 6 | 5 9 | 1 19 | 25 7 | 1 42 | 23 17 | 0 10 | 19 37 | 1 54 | 22 37 | 0 5 | 16 14 | 1 42 | 8 0 | 11 56 | 16 54 | 17 3 | 16 59 | 9 56 | 0 36 |
| T 21 | 12 49 | 15 28 | 5 4 | 9 29 | 0 59 | 4 44 | 1 22 | 25 4 | 1 41 | 23 17 | 0 10 | 19 36 | 1 54 | 22 37 | 0 5 | 16 15 | 1 42 | 8 0 | 11 56 | 16 54 | 17 3 | 16 57 | 9 55 | 0 36 |
| W22 | 13 9 | 10 35 | 4 40 | 10 10 | 0 53 | 4 19 | 1 24 | 25 1 | 1 41 | 23 17 | 0 10 | 19 35 | 1 54 | 22 38 | 0 5 | 16 15 | 1 42 | 7 59 | 11 56 | 16 53 | 17 2 | 16 54 | 9 54 | 0 36 |
| T 23 | 13 29 | 5 15 | 4 4 | 10 51 | 0 46 | 3 54 | 1 27 | 24 58 | 1 41 | 23 17 | 0 10 | 19 35 | 1 54 | 22 38 | 0 5 | 16 16 | 1 42 | 7 59 | 11 56 | 16 53 | 17 1 | 16 52 | 9 53 | 0 36 |
| F 24 | 13 49 | 0s21 | 3 16 | 11 31 | 0 40 | 3 28 | 1 30 | 24 55 | 1 40 | 23 18 | 0 10 | 19 34 | 1 54 | 22 38 | 0 5 | 16 17 | 1 42 | 7 59 | 11 56 | 16 53 | 17 0 | 16 49 | 9 51 | 0 36 |
| S 25 | 14 9 | 6 2 | 2 18 | 12 11 | 0 33 | 3 2 | 1 32 | 24 51 | 1 40 | 23 18 | 0 10 | 19 33 | 1 54 | 22 39 | 0 5 | 16 17 | 1 42 | 7 58 | 11 56 | 16 52 | 16 59 | 16 47 | 9 50 | 0 35 |
| S 26 | 14 29 | 11 35 | 1 12 | 12 50 | 0 26 | 2 36 | 1 35 | 24 47 | 1 39 | 23 18 | 0 10 | 19 32 | 1 54 | 22 39 | 0 5 | 16 18 | 1 42 | 7 58 | 11 57 | 16 52 | 16 58 | 16 44 | 9 49 | 0 35 |
| M27 | 14 48 | 16 46 | 0 1 | 13 28 | 0 20 | 2 10 | 1 37 | 24 43 | 1 39 | 23 18 | 0 10 | 19 32 | 1 54 | 22 40 | 0 5 | 16 18 | 1 42 | 7 58 | 11 57 | 16 52 | 16 57 | 16 42 | 9 48 | 0 35 |
| T 28 | 15 7 | 21 16 | 1s11 | 14 6 | 0 13 | 1 44 | 1 39 | 24 38 | 1 38 | 23 18 | 0 10 | 19 31 | 1 54 | 22 40 | 0 5 | 16 19 | 1 42 | 7 58 | 11 57 | 16 52 | 16 56 | 16 39 | 9 47 | 0 35 |
| W29 | 15 26 | 24 45 | 2 20 | 14 43 | 0 6 | 1 18 | 1 41 | 24 34 | 1 38 | 23 18 | 0 10 | 19 30 | 1 54 | 22 40 | 0 5 | 16 20 | 1 42 | 7 57 | 11 57 | 16 52 | 16 55 | 16 37 | 9 46 | 0 35 |
| T 30 | 15 45 | 26 53 | 3 23 | 15 19 | 0s 0 | 0 51 | 1 43 | 24 29 | 1 37 | 23 19 | 0 9 | 19 29 | 1 54 | 22 41 | 0 5 | 16 20 | 1 42 | 7 57 | 11 57 | 16 52 | 16 54 | 16 34 | 9 45 | 0 35 |
| F 31 | 16s 3 | 27s24 | 4s15 | 15s55 | 0s 7 | 0n24 | 1n45 | 24s23 | 1s37 | 23n19 | 0s 9 | 19n29 | 1s54 | 22s41 | 0s 5 | 16s21 | 1n42 | 7n57 | 11s57 | 16n52 | 16n54 | 16n31 | 9n44 | 0n35 |

Julian Day Number = 2140272.5, Delta T = 15m24s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'29, Lahiri = 11°58'29 Julian Calendar 1 Oct. 1147 == Greg. Calendar 8 Oct. 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## NOVEMBER 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 4 31 | 14♏47'46 | 23♉56 | 14♏34 | 4♎12 | 14♉59 | 4°R35 | 5°R37 | 14♐14 | 20♏39 | 27°R 1 | 16♉35 | 16♉36 | 29♌16 | 23°R30 | S 1 |
| S 2 | 3 8 27 | 15°48'25 | 7♒59 | 16° 9 | 5°23 | 15°45 | 4♋32 | 5♊32 | 14°17 | 20°41 | 27♉ 0 | 16°35 | 16°33 | 29°22 | 23♈28 | S 2 |
| M 3 | 3 12 24 | 16°49'06 | 22° 8 | 17°44 | 6°34 | 16°30 | 4°29 | 5°28 | 14°20 | 20°43 | 26°59 | 16°35 | 16°30 | 29°29 | 23°25 | M 3 |
| T 4 | 3 16 20 | 17°49'48 | 6♓23 | 19°19 | 7°46 | 17°16 | 4°25 | 5°23 | 14°23 | 20°45 | 26°58 | 16°35 | 16°26 | 29°36 | 23°22 | T 4 |
| W 5 | 3 20 17 | 18°50'30 | 20°40 | 20°53 | 8°58 | 18° 2 | 4°21 | 5°18 | 14°27 | 20°48 | 26°57 | 16°35 | 16°23 | 29°42 | 23°20 | W 5 |
| T 6 | 3 24 13 | 19°51'14 | 4♈56 | 22°27 | 10° 9 | 18°47 | 4°17 | 5°14 | 14°30 | 20°50 | 26°55 | 16°36 | 16°20 | 29°49 | 23°17 | T 6 |
| F 7 | 3 28 10 | 20°51'59 | 19° 8 | 24° 1 | 11°21 | 19°33 | 4°13 | 5° 9 | 14°34 | 20°52 | 26°54 | 16°36 | 16°17 | 29°56 | 23°15 | F 7 |
| S 8 | 3 32 6 | 21°52'45 | 3♉12 | 25°35 | 12°33 | 20°19 | 4° 9 | 5° 4 | 14°37 | 20°54 | 26°53 | 16°36 | 16°14 | 0♍ 3 | 23°12 | S 8 |
| S 9 | 3 36 3 | 22°53'32 | 17° 3 | 27° 9 | 13°45 | 21° 5 | 4° 5 | 5° 0 | 14°40 | 20°57 | 26°52 | 16°R36 | 16°11 | 0° 9 | 23°10 | S 9 |
| M10 | 3 40 0 | 23°54'21 | 0♊40 | 28°43 | 14°58 | 21°51 | 4° 0 | 4°55 | 14°44 | 20°59 | 26°51 | 16°36 | 16° 7 | 0°16 | 23° 8 | M10 |
| T 11 | 3 43 56 | 24°55'11 | 13°59 | 0♐17 | 16°10 | 22°36 | 3°55 | 4°50 | 14°47 | 21° 1 | 26°50 | 16°36 | 16° 4 | 0°23 | 23° 5 | T 11 |
| W12 | 3 47 53 | 25°56'02 | 26°59 | 1°50 | 17°22 | 23°22 | 3°50 | 4°45 | 14°51 | 21° 3 | 26°49 | 16°35 | 16° 1 | 0°30 | 23° 3 | W12 |
| T 13 | 3 51 49 | 26°56'55 | 9♋41 | 3°24 | 18°35 | 24° 8 | 3°45 | 4°40 | 14°54 | 21° 6 | 26°47 | 16°33 | 15°58 | 0°36 | 23° 0 | T 13 |
| F 14 | 3 55 46 | 27°57'49 | 22° 6 | 4°57 | 19°47 | 24°54 | 3°40 | 4°35 | 14°58 | 21° 8 | 26°46 | 16°32 | 15°55 | 0°43 | 22°58 | F 14 |
| S 15 | 3 59 42 | 28°58'44 | 4♌17 | 6°31 | 21° 0 | 25°40 | 3°35 | 4°30 | 15° 1 | 21°10 | 26°45 | 16°30 | 15°51 | 0°50 | 22°56 | S 15 |
| S 16 | 4 3 39 | 29°59'40 | 16°17 | 8° 4 | 22°13 | 26°26 | 3°29 | 4°26 | 15° 5 | 21°12 | 26°44 | 16°29 | 15°48 | 0°56 | 22°54 | S 16 |
| M17 | 4 7 35 | 1♐ 0'38 | 28°11 | 9°38 | 23°26 | 27°12 | 3°23 | 4°21 | 15° 8 | 21°15 | 26°43 | 16°D28 | 15°45 | 1° 3 | 22°52 | M17 |
| T 18 | 4 11 32 | 2° 1'37 | 10♍ 3 | 11°11 | 24°38 | 27°58 | 3°17 | 4°16 | 15°12 | 21°17 | 26°42 | 16°29 | 15°42 | 1°10 | 22°50 | T 18 |
| W19 | 4 15 29 | 3° 2'37 | 21°58 | 12°44 | 25°51 | 28°45 | 3°11 | 4°11 | 15°16 | 21°19 | 26°41 | 16°29 | 15°39 | 1°17 | 22°47 | W19 |
| T 20 | 4 19 25 | 4° 3'38 | 4♎ 1 | 14°18 | 27° 4 | 29°31 | 3° 5 | 4° 6 | 15°19 | 21°21 | 26°39 | 16°31 | 15°36 | 1°23 | 22°45 | T 20 |
| F 21 | 4 23 22 | 5° 4'41 | 16°16 | 15°51 | 28°18 | 0♒17 | 2°59 | 4° 1 | 15°23 | 21°24 | 26°38 | 16°32 | 15°32 | 1°30 | 22°43 | F 21 |
| S 22 | 4 27 18 | 6° 5'44 | 28°47 | 17°24 | 29°31 | 1° 3 | 2°52 | 3°56 | 15°26 | 21°26 | 26°37 | 16°34 | 15°29 | 1°37 | 22°42 | S 22 |
| S 23 | 4 31 15 | 7° 6'49 | 11♏37 | 18°57 | 0♏44 | 1°49 | 2°46 | 3°51 | 15°30 | 21°28 | 26°36 | 16°R35 | 15°26 | 1°43 | 22°40 | S 23 |
| M24 | 4 35 11 | 8° 7'55 | 24°46 | 20°30 | 1°57 | 2°35 | 2°39 | 3°46 | 15°33 | 21°30 | 26°35 | 16°34 | 15°23 | 1°50 | 22°38 | M24 |
| T 25 | 4 39 8 | 9° 9'01 | 8♐16 | 22° 3 | 3°11 | 3°21 | 2°32 | 3°41 | 15°37 | 21°32 | 26°34 | 16°33 | 15°20 | 1°57 | 22°36 | T 25 |
| W26 | 4 43 4 | 10°10'08 | 22° 3 | 23°36 | 4°24 | 4° 8 | 2°25 | 3°36 | 15°41 | 21°35 | 26°33 | 16°31 | 15°17 | 2° 4 | 22°34 | W26 |
| T 27 | 4 47 1 | 11°11'16 | 6♑ 5 | 25° 8 | 5°37 | 4°54 | 2°18 | 3°31 | 15°44 | 21°37 | 26°32 | 16°27 | 15°13 | 2°10 | 22°33 | T 27 |
| F 28 | 4 50 58 | 12°12'25 | 20°18 | 26°40 | 6°51 | 5°40 | 2°11 | 3°26 | 15°48 | 21°39 | 26°31 | 16°23 | 15°10 | 2°17 | 22°31 | F 28 |
| S 29 | 4 54 54 | 13°13'33 | 4♒36 | 28°12 | 8° 5 | 6°26 | 2° 4 | 3°21 | 15°52 | 21°41 | 26°29 | 16°20 | 15° 7 | 2°24 | 22°29 | S 29 |
| S 30 | 4 58 51 | 14♐14'42 | 18♒56 | 29♐43 | 9♏18 | 7♒13 | 1♋56 | 3♊17 | 15♐55 | 21♏43 | 26♉28 | 16♉16 | 15♉ 4 | 2♍30 | 22♈28 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s21 | 26s13 | 4s53 | 16s30 | 0s14 | 0s 2 | 1n47 | 24s18 | 1s36 | 23n19 | 0s 9 | 19n28 | 1s54 | 22s41 | 0s 5 | 16s22 | 1n42 | 7n57 | 11s57 | 16n52 | 16n53 | 16n29 | 9n43 | 0n35 |
| S 2 | 16 39 | 23 24 | 5 13 | 17 4 | 0 20 | 0 29 | 1 49 | 24 12 | 1 36 | 23 19 | 0 9 | 19 27 | 1 54 | 22 42 | 0 5 | 16 22 | 1 42 | 7 56 | 11 57 | 16 52 | 16 52 | 16 26 | 9 41 | 0 35 |
| M 3 | 16 56 | 19 10 | 5 16 | 17 38 | 0 27 | 0 56 | 1 50 | 24 6 | 1 35 | 23 20 | 0 9 | 19 26 | 1 54 | 22 42 | 0 5 | 16 23 | 1 42 | 7 56 | 11 57 | 16 52 | 16 51 | 16 24 | 9 40 | 0 35 |
| T 4 | 17 14 | 13 49 | 4 58 | 18 10 | 0 33 | 1 23 | 1 52 | 24 0 | 1 35 | 23 20 | 0 9 | 19 26 | 1 54 | 22 43 | 0 5 | 16 23 | 1 42 | 7 56 | 11 57 | 16 52 | 16 50 | 16 21 | 9 39 | 0 35 |
| W 5 | 17 30 | 7 44 | 4 23 | 18 42 | 0 39 | 1 50 | 1 53 | 23 53 | 1 34 | 23 20 | 0 9 | 19 25 | 1 54 | 22 43 | 0 5 | 16 24 | 1 42 | 7 56 | 11 57 | 16 52 | 16 49 | 16 18 | 9 38 | 0 34 |
| T 6 | 17 47 | 1 15 | 3 31 | 19 12 | 0 46 | 2 17 | 1 54 | 23 46 | 1 33 | 23 20 | 0 9 | 19 24 | 1 54 | 22 43 | 0 5 | 16 25 | 1 42 | 7 55 | 11 57 | 16 53 | 16 48 | 16 16 | 9 37 | 0 34 |
| F 7 | 18 3 | 5n16 | 2 27 | 19 42 | 0 52 | 2 45 | 1 55 | 23 39 | 1 33 | 23 21 | 0 9 | 19 23 | 1 54 | 22 44 | 0 5 | 16 25 | 1 42 | 7 55 | 11 57 | 16 53 | 16 47 | 16 13 | 9 36 | 0 34 |
| S 8 | 18 19 | 11 29 | 1 14 | 20 11 | 0 58 | 3 12 | 1 56 | 23 32 | 1 32 | 23 21 | 0 8 | 19 22 | 1 54 | 22 44 | 0 5 | 16 26 | 1 42 | 7 55 | 11 57 | 16 53 | 16 46 | 16 11 | 9 35 | 0 34 |
| S 9 | 18 35 | 17 3 | 0n 2 | 20 39 | 1 4 | 3 39 | 1 57 | 23 24 | 1 32 | 23 21 | 0 8 | 19 21 | 1 54 | 22 45 | 0 5 | 16 26 | 1 42 | 7 55 | 11 57 | 16 53 | 16 45 | 16 8 | 9 34 | 0 34 |
| M10 | 18 50 | 21 39 | 1 17 | 21 6 | 1 10 | 4 6 | 1 58 | 23 16 | 1 31 | 23 21 | 0 8 | 19 21 | 1 54 | 22 45 | 0 5 | 16 27 | 1 42 | 7 54 | 11 57 | 16 53 | 16 44 | 16 5 | 9 33 | 0 34 |
| T 11 | 19 5 | 25 0 | 2 26 | 21 32 | 1 15 | 4 33 | 1 59 | 23 8 | 1 30 | 23 22 | 0 8 | 19 20 | 1 54 | 22 45 | 0 5 | 16 27 | 1 42 | 7 54 | 11 57 | 16 53 | 16 43 | 16 3 | 9 32 | 0 34 |
| W12 | 19 20 | 26 56 | 3 25 | 21 57 | 1 21 | 5 1 | 2 0 | 23 0 | 1 30 | 23 22 | 0 8 | 19 19 | 1 54 | 22 46 | 0 5 | 16 28 | 1 42 | 7 54 | 11 57 | 16 52 | 16 43 | 16 0 | 9 31 | 0 34 |
| T 13 | 19 34 | 27 24 | 4 13 | 22 20 | 1 26 | 5 28 | 2 0 | 22 51 | 1 29 | 23 22 | 0 8 | 19 18 | 1 54 | 22 46 | 0 5 | 16 29 | 1 42 | 7 54 | 11 57 | 16 52 | 16 42 | 15 58 | 9 30 | 0 34 |
| F 14 | 19 48 | 26 28 | 4 48 | 22 43 | 1 31 | 5 55 | 2 1 | 22 42 | 1 29 | 23 22 | 0 8 | 19 17 | 1 54 | 22 47 | 0 5 | 16 29 | 1 42 | 7 54 | 11 57 | 16 51 | 16 41 | 15 55 | 9 29 | 0 34 |
| S 15 | 20 1 | 24 16 | 5 9 | 23 4 | 1 36 | 6 22 | 2 1 | 22 33 | 1 28 | 23 23 | 0 8 | 19 16 | 1 54 | 22 47 | 0 5 | 16 30 | 1 42 | 7 53 | 11 57 | 16 51 | 16 40 | 15 52 | 9 29 | 0 33 |
| S 16 | 20 15 | 21 3 | 5 16 | 23 25 | 1 41 | 6 49 | 2 1 | 22 24 | 1 27 | 23 23 | 0 7 | 19 16 | 1 54 | 22 47 | 0 5 | 16 30 | 1 42 | 7 53 | 11 56 | 16 51 | 16 39 | 15 50 | 9 28 | 0 33 |
| M17 | 20 27 | 16 59 | 5 10 | 23 44 | 1 45 | 7 16 | 2 1 | 22 14 | 1 27 | 23 23 | 0 7 | 19 15 | 1 54 | 22 48 | 0 5 | 16 31 | 1 42 | 7 53 | 11 56 | 16 50 | 16 38 | 15 47 | 9 27 | 0 33 |
| T 18 | 20 40 | 12 18 | 4 50 | 24 2 | 1 49 | 7 42 | 2 2 | 22 4 | 1 26 | 23 23 | 0 7 | 19 14 | 1 54 | 22 48 | 0 5 | 16 32 | 1 42 | 7 53 | 11 56 | 16 50 | 16 37 | 15 44 | 9 26 | 0 33 |
| W19 | 20 52 | 7 8 | 4 18 | 24 18 | 1 53 | 8 9 | 2 2 | 21 54 | 1 26 | 23 24 | 0 7 | 19 13 | 1 54 | 22 49 | 0 5 | 16 32 | 1 42 | 7 53 | 11 56 | 16 51 | 16 36 | 15 42 | 9 25 | 0 33 |
| T 20 | 21 3 | 1 40 | 3 34 | 24 33 | 1 57 | 8 35 | 2 1 | 21 44 | 1 25 | 23 24 | 0 7 | 19 12 | 1 54 | 22 49 | 0 5 | 16 33 | 1 42 | 7 52 | 11 56 | 16 51 | 16 35 | 15 39 | 9 24 | 0 33 |
| F 21 | 21 15 | 3s59 | 2 39 | 24 47 | 2 0 | 9 2 | 2 1 | 21 33 | 1 24 | 23 24 | 0 7 | 19 11 | 1 53 | 22 49 | 0 5 | 16 33 | 1 42 | 7 52 | 11 56 | 16 52 | 16 34 | 15 36 | 9 23 | 0 33 |
| S 22 | 21 26 | 9 36 | 1 37 | 25 0 | 2 3 | 9 28 | 2 1 | 21 23 | 1 24 | 23 25 | 0 7 | 19 11 | 1 53 | 22 50 | 0 5 | 16 34 | 1 42 | 7 52 | 11 56 | 16 52 | 16 33 | 15 34 | 9 22 | 0 33 |
| S 23 | 21 36 | 14 57 | 0 27 | 25 11 | 2 6 | 9 54 | 2 0 | 21 12 | 1 23 | 23 25 | 0 7 | 19 10 | 1 53 | 22 50 | 0 5 | 16 34 | 1 42 | 7 52 | 11 56 | 16 52 | 16 32 | 15 31 | 9 22 | 0 33 |
| M24 | 21 46 | 19 47 | 0s45 | 25 21 | 2 9 | 10 20 | 2 0 | 21 0 | 1 22 | 23 25 | 0 6 | 19 9 | 1 53 | 22 51 | 0 5 | 16 35 | 1 42 | 7 52 | 11 56 | 16 52 | 16 31 | 15 28 | 9 21 | 0 33 |
| T 25 | 21 56 | 23 42 | 1 56 | 25 29 | 2 11 | 10 46 | 1 59 | 20 49 | 1 22 | 23 25 | 0 6 | 19 8 | 1 53 | 22 51 | 0 5 | 16 35 | 1 42 | 7 52 | 11 56 | 16 52 | 16 30 | 15 26 | 9 20 | 0 32 |
| W26 | 22 5 | 26 21 | 3 3 | 25 36 | 2 12 | 11 11 | 1 59 | 20 37 | 1 21 | 23 26 | 0 6 | 19 7 | 1 53 | 22 51 | 0 5 | 16 36 | 1 42 | 7 51 | 11 56 | 16 51 | 16 30 | 15 23 | 9 19 | 0 32 |
| T 27 | 22 13 | 27 23 | 3 59 | 25 41 | 2 14 | 11 36 | 1 58 | 20 26 | 1 20 | 23 26 | 0 6 | 19 7 | 1 53 | 22 52 | 0 5 | 16 37 | 1 42 | 7 51 | 11 56 | 16 50 | 16 29 | 15 20 | 9 19 | 0 32 |
| F 28 | 22 22 | 26 39 | 4 41 | 25 45 | 2 15 | 12 1 | 1 57 | 20 14 | 1 20 | 23 26 | 0 6 | 19 6 | 1 53 | 22 52 | 0 5 | 16 37 | 1 42 | 7 51 | 11 56 | 16 49 | 16 28 | 15 18 | 9 18 | 0 32 |
| S 29 | 22 30 | 24 9 | 5 7 | 25 47 | 2 15 | 12 26 | 1 56 | 20 1 | 1 19 | 23 26 | 0 6 | 19 5 | 1 53 | 22 53 | 0 5 | 16 38 | 1 42 | 7 51 | 11 55 | 16 48 | 16 27 | 15 15 | 9 17 | 0 32 |
| S 30 | 22s37 | 20s10 | 5s13 | 25s48 | 2s15 | 12s50 | 1n55 | 19s49 | 1s18 | 23n27 | 0s 6 | 19n 4 | 1s53 | 22s53 | 0s 5 | 16s38 | 1n42 | 7n51 | 11s55 | 16n47 | 16n26 | 15n12 | 9n17 | 0n32 |

Julian Day Number = 2140303.5, Delta T = 15m24s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'33, Lahiri = 11°58'34 Julian Calendar 1 Nov. 1147 == Greg. Calendar 8 Nov. 1147


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# ASTRODIENST EPHEMERIS for the year 1147
# geocentric

## DECEMBER 1147 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 2 47 | 15♐15'52 | 3♓12 | 1♑13 | 10♏32 | 7♒59 | 1°R49 | 3°R12 | 15♐59 | 21♏45 | 26°R27 | 16°R14 | 15♉ 1 | 2♍37 | 22°R26 | M 1 |
| T 2 | 5 6 44 | 16°17'01 | 17°23 | 2°43 | 11°45 | 8°45 | 1♋41 | 3♊ 7 | 16° 2 | 21°47 | 26♉26 | 16°D14 | 14°57 | 2°44 | 22♈25 | T 2 |
| W 3 | 5 10 40 | 17°18'10 | 1♈26 | 4°12 | 12°59 | 9°32 | 1°34 | 3° 2 | 16° 6 | 21°49 | 26°25 | 16♉15 | 14°54 | 2°51 | 22°23 | W 3 |
| T 4 | 5 14 37 | 18°19'20 | 15°21 | 5°39 | 14°13 | 10°18 | 1°26 | 2°58 | 16°10 | 21°52 | 26°24 | 16°16 | 14°51 | 2°57 | 22°22 | T 4 |
| F 5 | 5 18 33 | 19°20'30 | 29° 6 | 7° 6 | 15°27 | 11° 4 | 1°18 | 2°53 | 16°13 | 21°54 | 26°23 | 16°18 | 14°48 | 3° 4 | 22°21 | F 5 |
| S 6 | 5 22 30 | 20°21'39 | 12♉41 | 8°30 | 16°41 | 11°50 | 1°10 | 2°48 | 16°17 | 21°56 | 26°22 | 16°R19 | 14°45 | 3°11 | 22°20 | S 6 |
| S 7 | 5 26 27 | 21°22'49 | 26° 5 | 9°52 | 17°55 | 12°37 | 1° 2 | 2°44 | 16°21 | 21°58 | 26°21 | 16°18 | 14°42 | 3°17 | 22°18 | S 7 |
| M 8 | 5 30 23 | 22°24'00 | 9♊18 | 11°13 | 19° 8 | 13°23 | 0°55 | 2°39 | 16°24 | 22° 0 | 26°20 | 16°16 | 14°38 | 3°24 | 22°17 | M 8 |
| T 9 | 5 34 20 | 23°25'10 | 22°18 | 12°30 | 20°22 | 14° 9 | 0°47 | 2°35 | 16°28 | 22° 2 | 26°19 | 16°12 | 14°35 | 3°31 | 22°16 | T 9 |
| W10 | 5 38 16 | 24°26'21 | 5♋ 5 | 13°44 | 21°36 | 14°56 | 0°39 | 2°30 | 16°32 | 22° 4 | 26°18 | 16° 6 | 14°32 | 3°38 | 22°15 | W10 |
| T 11 | 5 42 13 | 25°27'31 | 17°39 | 14°54 | 22°50 | 15°42 | 0°30 | 2°26 | 16°35 | 22° 6 | 26°17 | 15°59 | 14°29 | 3°44 | 22°14 | T 11 |
| F 12 | 5 46 9 | 26°28'42 | 29°59 | 16° 0 | 24° 5 | 16°28 | 0°22 | 2°22 | 16°39 | 22° 8 | 26°16 | 15°51 | 14°26 | 3°51 | 22°13 | F 12 |
| S 13 | 5 50 6 | 27°29'53 | 12♌ 9 | 17° 0 | 25°19 | 17°14 | 0°14 | 2°17 | 16°42 | 22°10 | 26°15 | 15°43 | 14°23 | 3°58 | 22°12 | S 13 |
| S 14 | 5 54 3 | 28°31'05 | 24° 8 | 17°55 | 26°33 | 18° 1 | 0° 6 | 2°13 | 16°46 | 22°11 | 26°14 | 15°37 | 14°19 | 4° 5 | 22°12 | S 14 |
| M15 | 5 57 59 | 29°32'16 | 6♍ 1 | 18°42 | 27°47 | 18°47 | 29♊58 | 2° 9 | 16°49 | 22°13 | 26°13 | 15°32 | 14°16 | 4°11 | 22°11 | M15 |
| T 16 | 6 1 56 | 0♑33'28 | 17°52 | 19°22 | 29° 1 | 19°33 | 29°50 | 2° 5 | 16°53 | 22°15 | 26°12 | 15°29 | 14°13 | 4°18 | 22°10 | T 16 |
| W17 | 6 5 52 | 1°34'40 | 29°45 | 19°54 | 0♐15 | 20°19 | 29°42 | 2° 1 | 16°57 | 22°17 | 26°11 | 15°D28 | 14°10 | 4°25 | 22°10 | W17 |
| T 18 | 6 9 49 | 2°35'52 | 11♎45 | 20°16 | 1°30 | 21° 6 | 29°34 | 1°57 | 17° 0 | 22°19 | 26°10 | 15°28 | 14° 7 | 4°31 | 22° 9 | T 18 |
| F 19 | 6 13 45 | 3°37'04 | 23°58 | 20°27 | 2°44 | 21°52 | 29°26 | 1°53 | 17° 4 | 22°21 | 26°10 | 15°29 | 14° 3 | 4°38 | 22° 9 | F 19 |
| S 20 | 6 17 42 | 4°38'16 | 6♏29 | 20°R28 | 3°58 | 22°38 | 29°18 | 1°50 | 17° 7 | 22°23 | 26° 9 | 15°31 | 14° 0 | 4°45 | 22° 8 | S 20 |
| S 21 | 6 21 38 | 5°39'28 | 19°21 | 20°17 | 5°13 | 23°24 | 29° 9 | 1°46 | 17°11 | 22°24 | 26° 8 | 15°R31 | 13°57 | 4°52 | 22° 8 | S 21 |
| M22 | 6 25 35 | 6°40'40 | 2♐38 | 19°54 | 6°27 | 24°10 | 29° 1 | 1°42 | 17°14 | 22°26 | 26° 7 | 15°29 | 13°54 | 4°58 | 22° 8 | M22 |
| T 23 | 6 29 32 | 7°41'52 | 16°21 | 19°20 | 7°41 | 24°57 | 28°54 | 1°39 | 17°18 | 22°28 | 26° 6 | 15°26 | 13°51 | 5° 5 | 22° 7 | T 23 |
| W24 | 6 33 28 | 8°43'04 | 0♑28 | 18°34 | 8°56 | 25°43 | 28°46 | 1°35 | 17°21 | 22°30 | 26° 5 | 15°19 | 13°48 | 5°12 | 22° 7 | W24 |
| T 25 | 6 37 25 | 9°44'16 | 14°56 | 17°38 | 10°10 | 26°29 | 28°38 | 1°32 | 17°25 | 22°31 | 26° 5 | 15°11 | 13°44 | 5°18 | 22° 7 | T 25 |
| F 26 | 6 41 21 | 10°45'27 | 29°38 | 16°33 | 11°25 | 27°15 | 28°30 | 1°29 | 17°28 | 22°33 | 26° 4 | 15° 2 | 13°41 | 5°25 | 22° 7 | F 26 |
| S 27 | 6 45 18 | 11°46'37 | 14♒26 | 15°21 | 12°39 | 28° 1 | 28°22 | 1°26 | 17°31 | 22°35 | 26° 3 | 14°53 | 13°38 | 5°32 | 22°D 7 | S 27 |
| S 28 | 6 49 14 | 12°47'47 | 29°12 | 14° 5 | 13°54 | 28°47 | 28°15 | 1°22 | 17°35 | 22°36 | 26° 2 | 14°45 | 13°35 | 5°39 | 22° 7 | S 28 |
| M29 | 6 53 11 | 13°48'56 | 13♓48 | 12°47 | 15° 8 | 29°33 | 28° 7 | 1°19 | 17°38 | 22°38 | 26° 2 | 14°39 | 13°32 | 5°45 | 22° 7 | M29 |
| T 30 | 6 57 7 | 14°50'03 | 28°10 | 11°29 | 16°22 | 0♓19 | 27°59 | 1°17 | 17°41 | 22°39 | 26° 1 | 14°35 | 13°29 | 5°52 | 22° 7 | T 30 |
| W31 | 7 1 4 | 15♑51'10 | 12♈15 | 10♑13 | 17♐37 | 1♓ 5 | 27♊52 | 1♊14 | 17♐45 | 22♏41 | 26♉ 0 | 14°D34 | 13♉25 | 5♍59 | 22♈ 7 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 22s44 | 15s 1 | 4s59 | 25s47 | 2s14 | 13s14 | 1n54 | 19s36 | 1s17 | 23n27 | 0s 5 | 19n 3 | 1s52 | 22s53 | 0s 5 | 16s39 | 1n42 | 7n51 | 11s55 | 16n46 | 16n25 | 15n 9 | 9n16 | 0n32 | |
| T 2 | 22 50 | 9 7 | 4 28 | 25 44 | 2 13 | 13 38 | 1 53 | 19 23 | 1 17 | 23 27 | 0 5 | 19 3 | 1 52 | 22 54 | 0 5 | 16 39 | 1 42 | 7 51 | 11 55 | 16 46 | 16 24 | 15 7 | 9 15 | 0 32 | |
| W 3 | 22 57 | 2 48 | 3 41 | 25 40 | 2 11 | 14 2 | 1 52 | 19 10 | 1 16 | 23 27 | 0 5 | 19 2 | 1 52 | 22 54 | 0 5 | 16 40 | 1 42 | 7 51 | 11 55 | 16 46 | 16 23 | 15 4 | 9 15 | 0 32 | |
| T 4 | 23 2 | 3n36 | 2 41 | 25 34 | 2 9 | 14 25 | 1 51 | 18 57 | 1 15 | 23 28 | 0 5 | 19 1 | 1 52 | 22 55 | 0 5 | 16 40 | 1 42 | 7 50 | 11 55 | 16 47 | 16 22 | 15 1 | 9 14 | 0 32 | |
| F 5 | 23 7 | 9 46 | 1 33 | 25 27 | 2 6 | 14 48 | 1 49 | 18 44 | 1 15 | 23 28 | 0 5 | 19 0 | 1 52 | 22 55 | 0 5 | 16 41 | 1 42 | 7 50 | 11 55 | 16 47 | 16 21 | 14 59 | 9 13 | 0 31 | |
| S 6 | 23 12 | 15 24 | 0 20 | 25 18 | 2 2 | 15 11 | 1 48 | 18 30 | 1 14 | 23 28 | 0 5 | 19 0 | 1 52 | 22 55 | 0 5 | 16 41 | 1 42 | 7 50 | 11 55 | 16 48 | 16 20 | 14 56 | 9 13 | 0 31 | |
| S 7 | 23 16 | 20 13 | 0n53 | 25 8 | 1 57 | 15 33 | 1 46 | 18 16 | 1 13 | 23 28 | 0 5 | 18 59 | 1 52 | 22 56 | 0 5 | 16 42 | 1 42 | 7 50 | 11 54 | 16 48 | 16 19 | 14 53 | 9 12 | 0 31 | |
| M 8 | 23 20 | 23 57 | 2 2 | 24 56 | 1 52 | 15 55 | 1 45 | 18 2 | 1 12 | 23 28 | 0 4 | 18 58 | 1 51 | 22 56 | 0 5 | 16 42 | 1 42 | 7 50 | 11 54 | 16 47 | 16 18 | 14 50 | 9 12 | 0 31 | |
| T 9 | 23 23 | 26 22 | 3 3 | 24 42 | 1 45 | 16 16 | 1 43 | 17 48 | 1 12 | 23 29 | 0 4 | 18 57 | 1 51 | 22 57 | 0 5 | 16 43 | 1 42 | 7 50 | 11 54 | 16 46 | 16 17 | 14 48 | 9 11 | 0 31 | |
| W10 | 23 26 | 27 21 | 3 54 | 24 28 | 1 38 | 16 37 | 1 41 | 17 34 | 1 11 | 23 29 | 0 4 | 18 57 | 1 51 | 22 57 | 0 5 | 16 43 | 1 42 | 7 50 | 11 54 | 16 44 | 16 16 | 14 45 | 9 11 | 0 31 | |
| T 11 | 23 28 | 26 53 | 4 32 | 24 12 | 1 30 | 16 58 | 1 40 | 17 19 | 1 10 | 23 29 | 0 4 | 18 56 | 1 51 | 22 57 | 0 5 | 16 44 | 1 42 | 7 50 | 11 54 | 16 42 | 16 16 | 14 42 | 9 10 | 0 31 | |
| F 12 | 23 30 | 25 5 | 4 57 | 23 55 | 1 20 | 17 18 | 1 38 | 17 5 | 1 9 | 23 29 | 0 4 | 18 55 | 1 51 | 22 58 | 0 5 | 16 44 | 1 42 | 7 50 | 11 54 | 16 40 | 16 15 | 14 39 | 9 10 | 0 31 | |
| S 13 | 23 32 | 22 9 | 5 8 | 23 37 | 1 10 | 17 38 | 1 36 | 16 50 | 1 9 | 23 29 | 0 4 | 18 55 | 1 50 | 22 58 | 0 5 | 16 45 | 1 42 | 7 50 | 11 53 | 16 37 | 16 14 | 14 37 | 9 10 | 0 31 | |
| S 14 | 23 33 | 18 20 | 5 5 | 23 19 | 0 58 | 17 57 | 1 34 | 16 35 | 1 8 | 23 30 | 0 4 | 18 54 | 1 50 | 22 58 | 0 5 | 16 45 | 1 42 | 7 50 | 11 53 | 16 36 | 16 13 | 14 34 | 9 9 | 0 31 | |
| M15 | 23 33 | 13 49 | 4 49 | 23 0 | 0 46 | 18 16 | 1 32 | 16 20 | 1 7 | 23 30 | 0 3 | 18 53 | 1 50 | 22 59 | 0 5 | 16 46 | 1 42 | 7 50 | 11 53 | 16 34 | 16 12 | 14 31 | 9 9 | 0 30 | |
| T 16 | 23 33 | 8 49 | 4 21 | 22 40 | 0 32 | 18 34 | 1 30 | 16 5 | 1 7 | 23 30 | 0 3 | 18 53 | 1 50 | 22 59 | 0 5 | 16 46 | 1 42 | 7 50 | 11 53 | 16 33 | 16 11 | 14 28 | 9 8 | 0 30 | |
| W17 | 23 33 | 3 29 | 3 42 | 22 21 | 0 17 | 18 52 | 1 28 | 15 49 | 1 6 | 23 30 | 0 3 | 18 52 | 1 50 | 22 59 | 0 5 | 16 47 | 1 43 | 7 50 | 11 53 | 16 33 | 16 10 | 14 26 | 9 8 | 0 30 | |
| T 18 | 23 32 | 2s 2 | 2 52 | 22 2 | 0 1 | 19 9 | 1 26 | 15 34 | 1 5 | 23 30 | 0 3 | 18 52 | 1 50 | 23 0 | 0 5 | 16 47 | 1 43 | 7 50 | 11 53 | 16 33 | 16 9 | 14 23 | 9 8 | 0 30 | |
| F 19 | 23 30 | 7 35 | 1 54 | 21 43 | 0n16 | 19 26 | 1 23 | 15 18 | 1 4 | 23 30 | 0 3 | 18 51 | 1 49 | 23 0 | 0 5 | 16 47 | 1 43 | 7 50 | 11 52 | 16 33 | 16 8 | 14 20 | 9 8 | 0 30 | |
| S 20 | 23 28 | 12 59 | 0 49 | 21 25 | 0 34 | 19 43 | 1 21 | 15 2 | 1 3 | 23 30 | 0 3 | 18 50 | 1 49 | 23 1 | 0 5 | 16 48 | 1 43 | 7 50 | 11 52 | 16 34 | 16 7 | 14 17 | 9 7 | 0 30 | |
| S 21 | 23 26 | 17 59 | 0s21 | 21 8 | 0 53 | 19 58 | 1 19 | 14 46 | 1 3 | 23 30 | 0 3 | 18 50 | 1 49 | 23 1 | 0 5 | 16 48 | 1 43 | 7 50 | 11 52 | 16 34 | 16 6 | 14 14 | 9 7 | 0 30 | |
| M22 | 23 23 | 22 16 | 1 31 | 20 53 | 1 12 | 20 14 | 1 17 | 14 30 | 1 2 | 23 30 | 0 2 | 18 49 | 1 49 | 23 1 | 0 5 | 16 49 | 1 43 | 7 50 | 11 52 | 16 33 | 16 5 | 14 12 | 9 7 | 0 30 | |
| T 23 | 23 20 | 25 28 | 2 38 | 20 39 | 1 31 | 20 28 | 1 14 | 14 14 | 1 1 | 23 31 | 0 2 | 18 49 | 1 49 | 23 2 | 0 5 | 16 49 | 1 43 | 7 50 | 11 52 | 16 32 | 16 4 | 14 9 | 9 7 | 0 30 | |
| W24 | 23 16 | 27 10 | 3 37 | 20 26 | 1 50 | 20 43 | 1 12 | 13 57 | 1 0 | 23 31 | 0 2 | 18 48 | 1 48 | 23 2 | 0 5 | 16 49 | 1 43 | 7 50 | 11 51 | 16 30 | 16 3 | 14 6 | 9 6 | 0 29 | |
| T 25 | 23 12 | 27 5 | 4 24 | 20 15 | 2 9 | 20 56 | 1 9 | 13 41 | 1 0 | 23 31 | 0 2 | 18 48 | 1 48 | 23 2 | 0 5 | 16 50 | 1 43 | 7 50 | 11 51 | 16 28 | 16 2 | 14 3 | 9 6 | 0 29 | |
| F 26 | 23 7 | 25 6 | 4 54 | 20 6 | 2 26 | 21 9 | 1 7 | 13 24 | 0 59 | 23 31 | 0 2 | 18 48 | 1 48 | 23 3 | 0 5 | 16 50 | 1 43 | 7 50 | 11 51 | 16 25 | 16 1 | 14 0 | 9 6 | 0 29 | |
| S 27 | 23 2 | 21 26 | 5 5 | 19 59 | 2 42 | 21 21 | 1 4 | 13 8 | 0 58 | 23 31 | 0 2 | 18 47 | 1 48 | 23 3 | 0 5 | 16 51 | 1 43 | 7 50 | 11 51 | 16 23 | 16 0 | 13 58 | 9 6 | 0 29 | |
| S 28 | 22 56 | 16 24 | 4 55 | 19 53 | 2 56 | 21 33 | 1 2 | 12 51 | 0 57 | 23 31 | 0 2 | 18 47 | 1 47 | 23 3 | 0 5 | 16 51 | 1 43 | 7 50 | 11 50 | 16 20 | 15 59 | 13 55 | 9 6 | 0 29 | |
| M29 | 22 50 | 10 29 | 4 26 | 19 50 | 3 7 | 21 44 | 0 59 | 12 34 | 0 57 | 23 31 | 0 1 | 18 46 | 1 47 | 23 4 | 0 5 | 16 51 | 1 43 | 7 50 | 11 50 | 16 18 | 15 58 | 13 52 | 9 6 | 0 29 | |
| T 30 | 22 43 | 4 7 | 3 41 | 19 47 | 3 17 | 21 55 | 0 57 | 12 17 | 0 56 | 23 31 | 0 1 | 18 46 | 1 47 | 23 4 | 0 5 | 16 52 | 1 43 | 7 50 | 11 50 | 16 17 | 15 57 | 13 49 | 9 6 | 0 29 | |
| W31 | 22s36 | 2n21 | 2s44 | 19s46 | 3n23 | 22s 5 | 0n54 | 12s 0 | 0s55 | 23n31 | 0s 1 | 18n46 | 1s47 | 23s 4 | 0s 5 | 16s52 | 1n43 | 7n50 | 11s50 | 16n17 | 15n56 | 13n46 | 9n 6 | 0n29 | |

Julian Day Number = 2140333.5, Delta T = 15m23s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'37, Lahiri = 11°58'38 Julian Calendar 1 Dec. 1147 == Greg. Calendar 8 Dec. 1147


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## JANUARY 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 5 1 | 16♑52'16 | 26♈ 1 | 9°R 2 | 18♐51 | 1♓51 | 27°R45 | 1°R11 | 17♐48 | 22♏42 | 25°R59 | 14♉34 | 13♉22 | 6♍ 5 | 22♈ 8 | T 1 |
| F 2 | 7 8 57 | 17°53'21 | 9♉31 | 7♑58 | 20° 6 | 2°37 | 27♊38 | 1♊ 8 | 17°51 | 22°44 | 25♉59 | 14°R35 | 13°19 | 6°12 | 22° 8 | F 2 |
| S 3 | 7 12 54 | 18°54'25 | 22°46 | 7° 1 | 21°20 | 3°23 | 27°30 | 1° 6 | 17°55 | 22°45 | 25°58 | 14°35 | 13°16 | 6°19 | 22° 8 | S 3 |
| S 4 | 7 16 50 | 19°55'28 | 5♊48 | 6°12 | 22°35 | 4° 9 | 27°23 | 1° 4 | 17°58 | 22°47 | 25°58 | 14°33 | 13°13 | 6°26 | 22° 9 | S 4 |
| M 5 | 7 20 47 | 20°56'31 | 18°38 | 5°33 | 23°50 | 4°55 | 27°17 | 1° 1 | 18° 1 | 22°48 | 25°57 | 14°28 | 13° 9 | 6°32 | 22° 9 | M 5 |
| T 6 | 7 24 43 | 21°57'32 | 1♋18 | 5° 3 | 25° 4 | 5°41 | 27°10 | 0°59 | 18° 4 | 22°50 | 25°56 | 14°20 | 13° 6 | 6°39 | 22°10 | T 6 |
| W 7 | 7 28 40 | 22°58'32 | 13°48 | 4°42 | 26°19 | 6°27 | 27° 3 | 0°57 | 18° 7 | 22°51 | 25°56 | 14°10 | 13° 3 | 6°46 | 22°11 | W 7 |
| T 8 | 7 32 37 | 23°59'31 | 26° 8 | 4°29 | 27°33 | 7°13 | 26°57 | 0°55 | 18°10 | 22°52 | 25°55 | 13°57 | 13° 0 | 6°52 | 22°11 | T 8 |
| F 9 | 7 36 33 | 25° 0'29 | 8♌20 | 4°D25 | 28°48 | 7°59 | 26°50 | 0°53 | 18°14 | 22°54 | 25°55 | 13°43 | 12°57 | 6°59 | 22°12 | F 9 |
| S 10 | 7 40 30 | 26° 1'26 | 20°23 | 4°29 | 0♑ 2 | 8°44 | 26°44 | 0°51 | 18°17 | 22°55 | 25°54 | 13°30 | 12°54 | 7° 6 | 22°13 | S 10 |
| S 11 | 7 44 26 | 27° 2'23 | 2♍20 | 4°40 | 1°17 | 9°30 | 26°38 | 0°50 | 18°20 | 22°56 | 25°54 | 13°18 | 12°50 | 7°13 | 22°14 | S 11 |
| M12 | 7 48 23 | 28° 3'18 | 14°11 | 4°58 | 2°31 | 10°16 | 26°32 | 0°48 | 18°23 | 22°57 | 25°53 | 13° 7 | 12°47 | 7°19 | 22°15 | M12 |
| T 13 | 7 52 19 | 29° 4'12 | 26° 1 | 5°22 | 3°46 | 11° 2 | 26°26 | 0°47 | 18°26 | 22°58 | 25°53 | 13° 0 | 12°44 | 7°26 | 22°16 | T 13 |
| W14 | 7 56 16 | 0♒ 5'06 | 7♎52 | 5°52 | 5° 1 | 11°47 | 26°20 | 0°45 | 18°29 | 23° 0 | 25°52 | 12°55 | 12°41 | 7°33 | 22°17 | W14 |
| T 15 | 8 0 12 | 1° 5'58 | 19°50 | 6°27 | 6°15 | 12°33 | 26°15 | 0°44 | 18°32 | 23° 1 | 25°52 | 12°53 | 12°38 | 7°39 | 22°18 | T 15 |
| F 16 | 8 4 9 | 2° 6'50 | 1♏59 | 7° 7 | 7°30 | 13°18 | 26°10 | 0°43 | 18°34 | 23° 2 | 25°52 | 12°D53 | 12°35 | 7°46 | 22°19 | F 16 |
| S 17 | 8 8 5 | 3° 7'41 | 14°24 | 7°51 | 8°44 | 14° 4 | 26° 4 | 0°42 | 18°37 | 23° 3 | 25°51 | 12°R53 | 12°31 | 7°53 | 22°20 | S 17 |
| S 18 | 8 12 2 | 4° 8'31 | 27°12 | 8°39 | 9°59 | 14°50 | 25°59 | 0°41 | 18°40 | 23° 4 | 25°51 | 12°52 | 12°28 | 7°59 | 22°22 | S 18 |
| M19 | 8 15 59 | 5° 9'20 | 10♐26 | 9°31 | 11°14 | 15°35 | 25°55 | 0°40 | 18°43 | 23° 5 | 25°51 | 12°50 | 12°25 | 8° 6 | 22°23 | M19 |
| T 20 | 8 19 55 | 6°10'08 | 24° 9 | 10°26 | 12°28 | 16°21 | 25°50 | 0°40 | 18°46 | 23° 6 | 25°50 | 12°45 | 12°22 | 8°13 | 22°24 | T 20 |
| W21 | 8 23 52 | 7°10'55 | 8♑22 | 11°24 | 13°43 | 17° 6 | 25°45 | 0°39 | 18°48 | 23° 7 | 25°50 | 12°37 | 12°19 | 8°20 | 22°26 | W21 |
| T 22 | 8 27 48 | 8°11'40 | 23° 2 | 12°25 | 14°58 | 17°51 | 25°41 | 0°39 | 18°51 | 23° 8 | 25°50 | 12°27 | 12°15 | 8°26 | 22°27 | T 22 |
| F 23 | 8 31 45 | 9°12'25 | 8♒ 1 | 13°29 | 16°12 | 18°37 | 25°37 | 0°38 | 18°54 | 23° 9 | 25°50 | 12°15 | 12°12 | 8°33 | 22°29 | F 23 |
| S 24 | 8 35 41 | 10°13'07 | 23°12 | 14°35 | 17°27 | 19°22 | 25°33 | 0°38 | 18°56 | 23° 9 | 25°49 | 12° 3 | 12° 9 | 8°40 | 22°31 | S 24 |
| S 25 | 8 39 38 | 11°13'49 | 8♓22 | 15°43 | 18°42 | 20° 8 | 25°29 | 0°D38 | 18°59 | 23°10 | 25°49 | 11°53 | 12° 6 | 8°46 | 22°32 | S 25 |
| M26 | 8 43 35 | 12°14'28 | 23°21 | 16°53 | 19°56 | 20°53 | 25°26 | 0°38 | 19° 1 | 23°11 | 25°49 | 11°44 | 12° 3 | 8°53 | 22°34 | M26 |
| T 27 | 8 47 31 | 13°15'06 | 8♈ 2 | 18° 5 | 21°11 | 21°38 | 25°22 | 0°38 | 19° 4 | 23°12 | 25°49 | 11°39 | 12° 0 | 9° 0 | 22°36 | T 27 |
| W28 | 8 51 28 | 14°15'42 | 22°20 | 19°19 | 22°25 | 22°23 | 25°19 | 0°38 | 19° 6 | 23°12 | 25°49 | 11°36 | 11°56 | 9° 7 | 22°37 | W28 |
| T 29 | 8 55 24 | 15°16'16 | 6♉13 | 20°34 | 23°40 | 23° 8 | 25°16 | 0°39 | 19° 9 | 23°13 | 25°49 | 11°35 | 11°53 | 9°13 | 22°39 | T 29 |
| F 30 | 8 59 21 | 16°16'48 | 19°43 | 21°51 | 24°55 | 23°54 | 25°13 | 0°39 | 19°11 | 23°14 | 25°48 | 11°35 | 11°50 | 9°20 | 22°41 | F 30 |
| S 31 | 9 3 17 | 17♒17'19 | 2♊52 | 23♑ 9 | 26♑ 9 | 24♓39 | 25♊10 | 0♊40 | 19♐13 | 23♏14 | 25♉48 | 11♉35 | 11♉47 | 9♍27 | 22♈43 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22s29 | 8n35 | 1s37 | 19s47 | 3n28 | 22s14 | 0n51 | 11s42 | 0s54 | 23n31 | 0s 1 | 18n45 | 1s47 | 23s 5 | 0s 5 | 16s52 | 1n43 | 7n50 | 11s50 | 16n17 | 15n56 | 13n44 | 9n 6 | 0n29 | |
| F 2 | 22 21 | 14 18 | 0 27 | 19 49 | 3 30 | 22 22 | 0 49 | 11 25 | 0 53 | 23 31 | 0 1 | 18 45 | 1 46 | 23 5 | 0 5 | 16 53 | 1 43 | 7 50 | 11 49 | 16 17 | 15 55 | 13 41 | 9 6 | 0 29 | |
| S 3 | 22 13 | 19 15 | 0n43 | 19 53 | 3 29 | 22 30 | 0 46 | 11 8 | 0 53 | 23 31 | 0 1 | 18 45 | 1 46 | 23 5 | 0 5 | 16 53 | 1 43 | 7 50 | 11 49 | 16 17 | 15 54 | 13 38 | 9 6 | 0 28 | |
| S 4 | 22 4 | 23 11 | 1 50 | 19 58 | 3 27 | 22 37 | 0 43 | 10 50 | 0 52 | 23 31 | 0 0 | 18 45 | 1 46 | 23 5 | 0 5 | 16 53 | 1 43 | 7 50 | 11 49 | 16 17 | 15 53 | 13 35 | 9 6 | 0 28 | |
| M 5 | 21 55 | 25 54 | 2 50 | 20 3 | 3 23 | 22 44 | 0 41 | 10 33 | 0 51 | 23 31 | 0 0 | 18 44 | 1 46 | 23 6 | 0 5 | 16 54 | 1 43 | 7 50 | 11 49 | 16 15 | 15 52 | 13 32 | 9 6 | 0 28 | |
| T 6 | 21 45 | 27 14 | 3 41 | 20 10 | 3 17 | 22 50 | 0 38 | 10 15 | 0 50 | 23 31 | 0 0 | 18 44 | 1 45 | 23 6 | 0 5 | 16 54 | 1 43 | 7 51 | 11 48 | 16 13 | 15 51 | 13 29 | 9 6 | 0 28 | |
| W 7 | 21 35 | 27 9 | 4 20 | 20 18 | 3 10 | 22 55 | 0 35 | 9 57 | 0 50 | 23 31 | 0 0 | 18 44 | 1 45 | 23 6 | 0 5 | 16 54 | 1 43 | 7 51 | 11 48 | 16 10 | 15 50 | 13 26 | 9 7 | 0 28 | |
| T 8 | 21 25 | 25 43 | 4 47 | 20 26 | 3 2 | 22 59 | 0 32 | 9 39 | 0 49 | 23 31 | 0n 0 | 18 44 | 1 45 | 23 7 | 0 5 | 16 55 | 1 43 | 7 51 | 11 48 | 16 6 | 15 49 | 13 24 | 9 7 | 0 28 | |
| F 9 | 21 14 | 23 5 | 4 59 | 20 35 | 2 53 | 23 3 | 0 30 | 9 22 | 0 48 | 23 31 | 0 0 | 18 44 | 1 45 | 23 7 | 0 5 | 16 55 | 1 43 | 7 51 | 11 48 | 16 2 | 15 48 | 13 21 | 9 7 | 0 28 | |
| S 10 | 21 3 | 19 28 | 4 59 | 20 45 | 2 44 | 23 6 | 0 27 | 9 4 | 0 47 | 23 31 | 0 0 | 18 43 | 1 44 | 23 7 | 0 5 | 16 55 | 1 43 | 7 51 | 11 47 | 15 58 | 15 47 | 13 18 | 9 7 | 0 28 | |
| S 11 | 20 51 | 15 7 | 4 45 | 20 54 | 2 34 | 23 9 | 0 24 | 8 46 | 0 46 | 23 31 | 0 1 | 18 43 | 1 44 | 23 7 | 0 5 | 16 55 | 1 44 | 7 51 | 11 47 | 15 54 | 15 46 | 13 15 | 9 7 | 0 28 | |
| M12 | 20 39 | 10 13 | 4 18 | 21 4 | 2 24 | 23 10 | 0 21 | 8 27 | 0 46 | 23 31 | 0 1 | 18 43 | 1 44 | 23 8 | 0 5 | 16 56 | 1 44 | 7 51 | 11 47 | 15 51 | 15 45 | 13 12 | 9 8 | 0 28 | |
| T 13 | 20 26 | 4 58 | 3 41 | 21 14 | 2 13 | 23 11 | 0 19 | 8 9 | 0 45 | 23 31 | 0 1 | 18 43 | 1 44 | 23 8 | 0 5 | 16 56 | 1 44 | 7 52 | 11 47 | 15 49 | 15 44 | 13 9 | 9 8 | 0 27 | |
| W14 | 20 14 | 0s29 | 2 54 | 21 23 | 2 2 | 23 12 | 0 16 | 7 51 | 0 44 | 23 31 | 0 1 | 18 43 | 1 43 | 23 8 | 0 5 | 16 56 | 1 44 | 7 52 | 11 46 | 15 47 | 15 43 | 13 6 | 9 8 | 0 27 | |
| T 15 | 20 0 | 5 57 | 1 59 | 21 32 | 1 51 | 23 11 | 0 13 | 7 33 | 0 43 | 23 31 | 0 1 | 18 43 | 1 43 | 23 9 | 0 5 | 16 56 | 1 44 | 7 52 | 11 46 | 15 47 | 15 42 | 13 4 | 9 8 | 0 27 | |
| F 16 | 19 47 | 11 19 | 0 57 | 21 41 | 1 41 | 23 10 | 0 10 | 7 15 | 0 43 | 23 31 | 0 1 | 18 43 | 1 43 | 23 9 | 0 5 | 16 57 | 1 44 | 7 52 | 11 46 | 15 47 | 15 41 | 13 1 | 9 9 | 0 27 | |
| S 17 | 19 33 | 16 22 | 0s 8 | 21 49 | 1 30 | 23 8 | 0 8 | 6 56 | 0 42 | 23 31 | 0 1 | 18 43 | 1 43 | 23 9 | 0 5 | 16 57 | 1 44 | 7 52 | 11 46 | 15 47 | 15 40 | 12 58 | 9 9 | 0 27 | |
| S 18 | 19 19 | 20 51 | 1 15 | 21 57 | 1 19 | 23 6 | 0 5 | 6 38 | 0 41 | 23 31 | 0 1 | 18 43 | 1 42 | 23 9 | 0 5 | 16 57 | 1 44 | 7 52 | 11 45 | 15 46 | 15 39 | 12 55 | 9 10 | 0 27 | |
| M19 | 19 4 | 24 26 | 2 20 | 22 4 | 1 8 | 23 2 | 0 2 | 6 20 | 0 40 | 23 31 | 0 2 | 18 43 | 1 42 | 23 10 | 0 5 | 16 57 | 1 44 | 7 53 | 11 45 | 15 46 | 15 38 | 12 52 | 9 10 | 0 27 | |
| T 20 | 18 49 | 26 45 | 3 19 | 22 11 | 0 58 | 22 58 | 0s 1 | 6 1 | 0 39 | 23 31 | 0 2 | 18 44 | 1 42 | 23 10 | 0 5 | 16 57 | 1 44 | 7 53 | 11 45 | 15 44 | 15 37 | 12 49 | 9 10 | 0 27 | |
| W21 | 18 34 | 27 25 | 4 9 | 22 16 | 0 48 | 22 54 | 0 3 | 5 43 | 0 39 | 23 31 | 0 2 | 18 44 | 1 41 | 23 10 | 0 5 | 16 58 | 1 44 | 7 53 | 11 44 | 15 42 | 15 36 | 12 46 | 9 11 | 0 27 | |
| T 22 | 18 18 | 26 13 | 4 43 | 22 21 | 0 37 | 22 48 | 0 6 | 5 24 | 0 38 | 23 31 | 0 2 | 18 44 | 1 41 | 23 10 | 0 5 | 16 58 | 1 44 | 7 53 | 11 44 | 15 39 | 15 35 | 12 43 | 9 11 | 0 27 | |
| F 23 | 18 2 | 23 9 | 4 59 | 22 25 | 0 28 | 22 42 | 0 9 | 5 6 | 0 37 | 23 31 | 0 2 | 18 44 | 1 41 | 23 11 | 0 5 | 16 58 | 1 44 | 7 53 | 11 44 | 15 35 | 15 34 | 12 40 | 9 12 | 0 26 | |
| S 24 | 17 46 | 18 29 | 4 54 | 22 27 | 0 18 | 22 36 | 0 11 | 4 47 | 0 36 | 23 31 | 0 2 | 18 44 | 1 41 | 23 11 | 0 5 | 16 58 | 1 44 | 7 54 | 11 44 | 15 31 | 15 33 | 12 37 | 9 12 | 0 26 | |
| S 25 | 17 29 | 12 37 | 4 29 | 22 29 | 0 8 | 22 28 | 0 14 | 4 28 | 0 35 | 23 31 | 0 2 | 18 44 | 1 40 | 23 11 | 0 5 | 16 58 | 1 44 | 7 54 | 11 43 | 15 28 | 15 32 | 12 35 | 9 13 | 0 26 | |
| M26 | 17 12 | 6 6 | 3 45 | 22 30 | 0s 1 | 22 20 | 0 17 | 4 10 | 0 35 | 23 31 | 0 3 | 18 45 | 1 40 | 23 11 | 0 6 | 16 58 | 1 44 | 7 54 | 11 43 | 15 26 | 15 31 | 12 32 | 9 13 | 0 26 | |
| T 27 | 16 55 | 0n39 | 2 47 | 22 29 | 0 10 | 22 11 | 0 19 | 3 51 | 0 34 | 23 31 | 0 3 | 18 45 | 1 40 | 23 11 | 0 6 | 16 59 | 1 44 | 7 54 | 11 43 | 15 24 | 15 30 | 12 29 | 9 14 | 0 26 | |
| W28 | 16 38 | 7 11 | 1 40 | 22 27 | 0 18 | 22 2 | 0 22 | 3 32 | 0 33 | 23 31 | 0 3 | 18 45 | 1 40 | 23 12 | 0 6 | 16 59 | 1 44 | 7 55 | 11 42 | 15 23 | 15 29 | 12 26 | 9 15 | 0 26 | |
| T 29 | 16 20 | 13 13 | 0 28 | 22 25 | 0 27 | 21 52 | 0 24 | 3 14 | 0 32 | 23 31 | 0 3 | 18 46 | 1 39 | 23 12 | 0 6 | 16 59 | 1 44 | 7 55 | 11 42 | 15 23 | 15 28 | 12 23 | 9 15 | 0 26 | |
| F 30 | 16 2 | 18 26 | 0n43 | 22 21 | 0 35 | 21 41 | 0 27 | 2 55 | 0 32 | 23 31 | 0 3 | 18 46 | 1 39 | 23 12 | 0 6 | 16 59 | 1 45 | 7 55 | 11 42 | 15 23 | 15 27 | 12 20 | 9 16 | 0 26 | |
| S 31 | 15s44 | 22n37 | 1n50 | 22s15 | 0s43 | 21s30 | 0s29 | 2s37 | 0s31 | 23n31 | 0n 3 | 18n46 | 1s39 | 23s12 | 0s 6 | 16s59 | 1n45 | 7n55 | 11s42 | 15n23 | 15n26 | 12n17 | 9n16 | 0n26 | |

Julian Day Number = 2140364.5, Delta T = 15m23s
Ecliptic obliquity = 23°33'05, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'42, Lahiri = 11°58'42 Julian Calendar 1 Jan. 1148 == Greg. Calendar 8 Jan. 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## FEBRUARY 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 7 14 | 18♒17'47 | 15♊42 | 24♉29 | 27♉24 | 25♓24 | 25°R 8 | 0♊40 | 19♐16 | 23♏15 | 25°R48 | 11°R32 | 11♉44 | 9♍33 | 22♈45 | S 1 |
| M 2 | 9 11 10 | 19°18'14 | 28°18 | 25°50 | 28°38 | 26° 9 | 25♊ 6 | 0°41 | 19°18 | 23°15 | 25°D48 | 11♉27 | 11°41 | 9°40 | 22°47 | M 2 |
| T 3 | 9 15 7 | 20°18'39 | 10♋43 | 27°13 | 29°53 | 26°54 | 25° 4 | 0°42 | 19°20 | 23°16 | 25♉48 | 11°19 | 11°37 | 9°47 | 22°49 | T 3 |
| W 4 | 9 19 4 | 21°19'02 | 22°58 | 28°37 | 1♒ 8 | 27°39 | 25° 2 | 0°43 | 19°22 | 23°16 | 25°48 | 11° 8 | 11°34 | 9°54 | 22°52 | W 4 |
| T 5 | 9 23 0 | 22°19'23 | 5♌ 6 | 0♒ 2 | 2°22 | 28°24 | 25° 0 | 0°44 | 19°25 | 23°17 | 25°48 | 10°55 | 11°31 | 10° 0 | 22°54 | T 5 |
| F 6 | 9 26 57 | 23°19'42 | 17° 7 | 1°28 | 3°37 | 29° 8 | 24°59 | 0°46 | 19°27 | 23°17 | 25°48 | 10°41 | 11°28 | 10° 7 | 22°56 | F 6 |
| S 7 | 9 30 53 | 24°19'59 | 29° 4 | 2°55 | 4°51 | 29°53 | 24°57 | 0°47 | 19°29 | 23°18 | 25°49 | 10°27 | 11°25 | 10°14 | 22°58 | S 7 |
| S 8 | 9 34 50 | 25°20'15 | 10♍57 | 4°24 | 6° 6 | 0♈38 | 24°56 | 0°48 | 19°31 | 23°18 | 25°49 | 10°14 | 11°21 | 10°20 | 23° 1 | S 8 |
| M 9 | 9 38 46 | 26°20'29 | 22°47 | 5°53 | 7°20 | 1°23 | 24°56 | 0°50 | 19°33 | 23°18 | 25°49 | 10° 3 | 11°18 | 10°27 | 23° 3 | M 9 |
| T 10 | 9 42 43 | 27°20'41 | 4♎38 | 7°24 | 8°35 | 2° 7 | 24°55 | 0°52 | 19°34 | 23°18 | 25°49 | 9°55 | 11°15 | 10°34 | 23° 6 | T 10 |
| W11 | 9 46 39 | 28°20'51 | 16°30 | 8°56 | 9°50 | 2°52 | 24°54 | 0°53 | 19°36 | 23°19 | 25°49 | 9°50 | 11°12 | 10°40 | 23° 8 | W11 |
| T 12 | 9 50 36 | 29°21'00 | 28°29 | 10°29 | 11° 4 | 3°37 | 24°54 | 0°55 | 19°38 | 23°19 | 25°49 | 9°47 | 11° 9 | 10°47 | 23°11 | T 12 |
| F 13 | 9 54 32 | 0♓21'07 | 10♏37 | 12° 3 | 12°19 | 4°21 | 24°D54 | 0°57 | 19°40 | 23°19 | 25°50 | 9°D47 | 11° 6 | 10°54 | 23°13 | F 13 |
| S 14 | 9 58 29 | 1°21'12 | 23° 1 | 13°38 | 13°33 | 5° 6 | 24°54 | 1° 0 | 19°42 | 23°19 | 25°50 | 9°47 | 11° 2 | 11° 1 | 23°16 | S 14 |
| S 15 | 10 2 26 | 2°21'16 | 5♐44 | 15°14 | 14°48 | 5°50 | 24°54 | 1° 2 | 19°43 | 23°19 | 25°50 | 9°R47 | 10°59 | 11° 7 | 23°19 | S 15 |
| M16 | 10 6 22 | 3°21'19 | 18°51 | 16°51 | 16° 2 | 6°34 | 24°55 | 1° 4 | 19°45 | 23°19 | 25°50 | 9°46 | 10°56 | 11°14 | 23°21 | M16 |
| T 17 | 10 10 19 | 4°21'19 | 2♑27 | 18°30 | 17°17 | 7°19 | 24°56 | 1° 7 | 19°46 | 23°R19 | 25°51 | 9°43 | 10°53 | 11°21 | 23°24 | T 17 |
| W18 | 10 14 15 | 5°21'19 | 16°32 | 20° 9 | 18°31 | 8° 3 | 24°57 | 1° 9 | 19°48 | 23°19 | 25°51 | 9°37 | 10°50 | 11°27 | 23°27 | W18 |
| T 19 | 10 18 12 | 6°21'16 | 1♒ 6 | 21°50 | 19°46 | 8°48 | 24°58 | 1°12 | 19°50 | 23°19 | 25°51 | 9°29 | 10°47 | 11°34 | 23°30 | T 19 |
| F 20 | 10 22 8 | 7°21'12 | 16° 5 | 23°32 | 21° 0 | 9°32 | 24°59 | 1°15 | 19°51 | 23°19 | 25°52 | 9°20 | 10°43 | 11°41 | 23°32 | F 20 |
| S 21 | 10 26 5 | 8°21'05 | 1♓19 | 25°15 | 22°15 | 10°16 | 25° 1 | 1°17 | 19°52 | 23°19 | 25°52 | 9°10 | 10°40 | 11°47 | 23°35 | S 21 |
| S 22 | 10 30 2 | 9°20'57 | 16°39 | 26°59 | 23°29 | 11° 0 | 25° 2 | 1°20 | 19°54 | 23°19 | 25°53 | 9° 2 | 10°37 | 11°54 | 23°38 | S 22 |
| M23 | 10 33 58 | 10°20'46 | 1♈52 | 28°44 | 24°44 | 11°44 | 25° 4 | 1°23 | 19°55 | 23°19 | 25°53 | 8°55 | 10°34 | 12° 1 | 23°41 | M23 |
| T 24 | 10 37 55 | 11°20'34 | 16°49 | 0♓30 | 25°58 | 12°28 | 25° 6 | 1°27 | 19°56 | 23°19 | 25°53 | 8°50 | 10°31 | 12° 8 | 23°44 | T 24 |
| W25 | 10 41 51 | 12°20'19 | 1♉22 | 2°18 | 27°13 | 13°12 | 25° 8 | 1°30 | 19°57 | 23°18 | 25°54 | 8°48 | 10°27 | 12°14 | 23°47 | W25 |
| T 26 | 10 45 48 | 13°20'02 | 15°29 | 4° 7 | 28°27 | 13°56 | 25°11 | 1°33 | 19°58 | 23°18 | 25°54 | 8°D48 | 10°24 | 12°21 | 23°50 | T 26 |
| F 27 | 10 49 44 | 14°19'42 | 29° 8 | 5°57 | 29°42 | 14°40 | 25°13 | 1°37 | 20° 0 | 23°18 | 25°55 | 8°49 | 10°21 | 12°28 | 23°53 | F 27 |
| S 28 | 10 53 41 | 15°19'21 | 12♊21 | 7°48 | 0♓56 | 15°24 | 25°16 | 1°40 | 20° 1 | 23°18 | 25°55 | 8°R50 | 10°18 | 12°34 | 23°57 | S 28 |
| S 29 | 10 57 37 | 16♓18'57 | 25♊12 | 9♓41 | 2♓11 | 16♈ 8 | 25♊19 | 1♊44 | 20♐ 2 | 23♏17 | 25♉56 | 8♉50 | 10♉15 | 12♍41 | 24♈ 0 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s25 | 25n35 | 2n50 | 22s 9 | 0s50 | 21s18 | 0s31 | 2s18 | 0s30 | 23n31 | 0n 3 | 18n47 | 1s39 | 23s12 | 0s 6 | 16s59 | 1n45 | 7n56 | 11s41 | 15n22 | 15n25 | 12n14 | 9n17 | 0n26 |
| M 2 | 15 6 | 27 12 | 3 40 | 22 1 | 0 58 | 21 5 | 0 34 | 1 59 | 0 29 | 23 31 | 0 3 | 18 47 | 1 38 | 23 13 | 0 6 | 16 59 | 1 45 | 7 56 | 11 41 | 15 20 | 15 24 | 12 11 | 9 18 | 0 25 |
| T 3 | 14 47 | 27 25 | 4 19 | 21 52 | 1 5 | 20 52 | 0 36 | 1 41 | 0 29 | 23 31 | 0 4 | 18 48 | 1 38 | 23 13 | 0 6 | 16 59 | 1 45 | 7 56 | 11 41 | 15 18 | 15 23 | 12 8 | 9 19 | 0 25 |
| W 4 | 14 28 | 26 16 | 4 45 | 21 42 | 1 11 | 20 38 | 0 38 | 1 22 | 0 28 | 23 31 | 0 4 | 18 48 | 1 38 | 23 13 | 0 6 | 16 59 | 1 45 | 7 57 | 11 40 | 15 14 | 15 22 | 12 5 | 9 19 | 0 25 |
| T 5 | 14 8 | 23 54 | 4 58 | 21 30 | 1 17 | 20 23 | 0 41 | 1 3 | 0 27 | 23 31 | 0 4 | 18 49 | 1 38 | 23 13 | 0 6 | 16 59 | 1 45 | 7 57 | 11 40 | 15 10 | 15 21 | 12 2 | 9 20 | 0 25 |
| F 6 | 13 48 | 20 30 | 4 58 | 21 17 | 1 23 | 20 8 | 0 43 | 0 45 | 0 26 | 23 31 | 0 4 | 18 49 | 1 37 | 23 13 | 0 6 | 16 59 | 1 45 | 7 57 | 11 40 | 15 6 | 15 21 | 11 59 | 9 21 | 0 25 |
| S 7 | 13 28 | 16 17 | 4 44 | 21 3 | 1 29 | 19 52 | 0 45 | 0 26 | 0 25 | 23 31 | 0 4 | 18 50 | 1 37 | 23 14 | 0 6 | 16 59 | 1 45 | 7 57 | 11 40 | 15 1 | 15 20 | 11 56 | 9 22 | 0 25 |
| S 8 | 13 8 | 11 29 | 4 19 | 20 47 | 1 34 | 19 36 | 0 47 | 0 7 | 0 25 | 23 31 | 0 4 | 18 50 | 1 37 | 23 14 | 0 6 | 16 59 | 1 45 | 7 58 | 11 39 | 14 57 | 15 19 | 11 53 | 9 22 | 0 25 |
| M 9 | 12 48 | 6 16 | 3 42 | 20 30 | 1 39 | 19 19 | 0 49 | 0n11 | 0 24 | 23 32 | 0 4 | 18 51 | 1 37 | 23 14 | 0 6 | 16 59 | 1 45 | 7 58 | 11 39 | 14 54 | 15 18 | 11 50 | 9 23 | 0 25 |
| T 10 | 12 27 | 0 49 | 2 55 | 20 11 | 1 44 | 19 2 | 0 51 | 0 30 | 0 23 | 23 32 | 0 4 | 18 51 | 1 36 | 23 14 | 0 6 | 16 59 | 1 45 | 7 58 | 11 39 | 14 51 | 15 17 | 11 47 | 9 24 | 0 25 |
| W11 | 12 6 | 4s40 | 2 0 | 19 51 | 1 48 | 18 44 | 0 53 | 0 48 | 0 22 | 23 32 | 0 5 | 18 52 | 1 36 | 23 14 | 0 6 | 16 59 | 1 45 | 7 59 | 11 38 | 14 50 | 15 16 | 11 44 | 9 25 | 0 25 |
| T 12 | 11 45 | 10 3 | 1 0 | 19 30 | 1 52 | 18 25 | 0 55 | 1 7 | 0 22 | 23 32 | 0 5 | 18 53 | 1 36 | 23 14 | 0 6 | 16 59 | 1 45 | 7 59 | 11 38 | 14 49 | 15 15 | 11 41 | 9 26 | 0 25 |
| F 13 | 11 24 | 15 9 | 0s 5 | 19 7 | 1 56 | 18 6 | 0 57 | 1 25 | 0 21 | 23 32 | 0 5 | 18 53 | 1 35 | 23 15 | 0 6 | 16 59 | 1 45 | 7 59 | 11 38 | 14 49 | 15 14 | 11 38 | 9 27 | 0 24 |
| S 14 | 11 3 | 19 44 | 1 10 | 18 43 | 1 59 | 17 47 | 0 59 | 1 43 | 0 20 | 23 32 | 0 5 | 18 54 | 1 35 | 23 15 | 0 6 | 16 59 | 1 45 | 8 0 | 11 38 | 14 49 | 15 13 | 11 35 | 9 27 | 0 24 |
| S 15 | 10 41 | 23 33 | 2 13 | 18 17 | 2 2 | 17 27 | 1 1 | 2 2 | 0 19 | 23 32 | 0 5 | 18 55 | 1 35 | 23 15 | 0 6 | 16 59 | 1 45 | 8 0 | 11 37 | 14 49 | 15 12 | 11 32 | 9 28 | 0 24 |
| M16 | 10 19 | 26 16 | 3 12 | 17 50 | 2 4 | 17 6 | 1 3 | 2 20 | 0 19 | 23 32 | 0 5 | 18 55 | 1 35 | 23 15 | 0 6 | 16 59 | 1 45 | 8 0 | 11 37 | 14 48 | 15 11 | 11 29 | 9 29 | 0 24 |
| T 17 | 9 58 | 27 34 | 4 2 | 17 21 | 2 6 | 16 45 | 1 4 | 2 38 | 0 18 | 23 32 | 0 5 | 18 56 | 1 34 | 23 15 | 0 6 | 16 59 | 1 46 | 8 1 | 11 37 | 14 47 | 15 10 | 11 26 | 9 30 | 0 24 |
| W18 | 9 35 | 27 9 | 4 40 | 16 51 | 2 8 | 16 23 | 1 6 | 2 57 | 0 17 | 23 33 | 0 5 | 18 57 | 1 34 | 23 15 | 0 6 | 16 59 | 1 46 | 8 1 | 11 37 | 14 46 | 15 9 | 11 23 | 9 31 | 0 24 |
| T 19 | 9 13 | 24 53 | 5 0 | 16 20 | 2 9 | 16 2 | 1 8 | 3 15 | 0 16 | 23 33 | 0 5 | 18 58 | 1 34 | 23 15 | 0 6 | 16 59 | 1 46 | 8 1 | 11 36 | 14 43 | 15 8 | 11 20 | 9 32 | 0 24 |
| F 20 | 8 51 | 20 53 | 5 1 | 15 47 | 2 10 | 15 39 | 1 9 | 3 33 | 0 16 | 23 33 | 0 6 | 18 59 | 1 34 | 23 16 | 0 6 | 16 59 | 1 46 | 8 2 | 11 36 | 14 40 | 15 7 | 11 17 | 9 33 | 0 24 |
| S 21 | 8 29 | 15 26 | 4 41 | 15 13 | 2 10 | 15 16 | 1 11 | 3 51 | 0 15 | 23 33 | 0 6 | 18 59 | 1 33 | 23 16 | 0 6 | 16 59 | 1 46 | 8 2 | 11 36 | 14 37 | 15 6 | 11 14 | 9 34 | 0 24 |
| S 22 | 8 6 | 9 0 | 4 1 | 14 37 | 2 10 | 14 53 | 1 12 | 4 9 | 0 14 | 23 33 | 0 6 | 19 0 | 1 33 | 23 16 | 0 6 | 16 59 | 1 46 | 8 2 | 11 35 | 14 34 | 15 5 | 11 11 | 9 35 | 0 24 |
| M23 | 7 43 | 2 4 | 3 4 | 13 59 | 2 10 | 14 29 | 1 13 | 4 27 | 0 14 | 23 33 | 0 6 | 19 1 | 1 33 | 23 16 | 0 6 | 16 59 | 1 46 | 8 3 | 11 35 | 14 32 | 15 4 | 11 8 | 9 36 | 0 24 |
| T 24 | 7 21 | 4n52 | 1 55 | 13 21 | 2 8 | 14 5 | 1 15 | 4 45 | 0 13 | 23 34 | 0 6 | 19 2 | 1 33 | 23 16 | 0 6 | 16 59 | 1 46 | 8 3 | 11 35 | 14 31 | 15 3 | 11 5 | 9 37 | 0 23 |
| W25 | 6 58 | 11 23 | 0 40 | 12 41 | 2 7 | 13 41 | 1 16 | 5 3 | 0 12 | 23 34 | 0 6 | 19 3 | 1 32 | 23 16 | 0 6 | 16 59 | 1 46 | 8 4 | 11 35 | 14 30 | 15 2 | 11 2 | 9 38 | 0 23 |
| T 26 | 6 35 | 17 7 | 0n36 | 11 59 | 2 5 | 13 16 | 1 17 | 5 21 | 0 11 | 23 34 | 0 6 | 19 4 | 1 32 | 23 16 | 0 6 | 16 59 | 1 46 | 8 4 | 11 34 | 14 30 | 15 1 | 10 59 | 9 39 | 0 23 |
| F 27 | 6 12 | 21 48 | 1 47 | 11 16 | 2 2 | 12 51 | 1 18 | 5 39 | 0 11 | 23 34 | 0 6 | 19 5 | 1 32 | 23 16 | 0 6 | 16 58 | 1 46 | 8 4 | 11 34 | 14 30 | 15 0 | 10 56 | 9 40 | 0 23 |
| S 28 | 5 49 | 25 11 | 2 50 | 10 32 | 1 59 | 12 26 | 1 19 | 5 56 | 0 10 | 23 34 | 0 6 | 19 6 | 1 32 | 23 16 | 0 6 | 16 58 | 1 46 | 8 5 | 11 34 | 14 31 | 14 59 | 10 53 | 9 41 | 0 23 |
| S 29 | 5s25 | 27n10 | 3n43 | 9s46 | 1s56 | 12s 0 | 1s20 | 6n14 | 0s 9 | 23n35 | 0n 6 | 19n 7 | 1s32 | 23s16 | 0s 6 | 16s58 | 1n46 | 8n 5 | 11s33 | 14n30 | 14n58 | 10n50 | 9n42 | 0n23 |

Julian Day Number = 2140395.5, Delta T = 15m23s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'46, Lahiri = 11°58'46 Julian Calendar 1 Feb. 1148 == Greg. Calendar 8 Feb. 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## MARCH 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 1 34 | 17♓18'30 | 7♋45 | 11♓34 | 3♓25 | 16♈52 | 25♊22 | 1♊48 | 20♐ 2 | 23°R17 | 25♉57 | 8°R47 | 10♉12 | 12♍48 | 24♈ 3 | M 1 |
| T 2 | 11 5 30 | 18°18'02 | 20° 2 | 13°29 | 4°39 | 17°36 | 25°26 | 1°52 | 20° 3 | 23♏16 | 25°57 | 8♉43 | 10° 8 | 12°55 | 24° 6 | T 2 |
| W 3 | 11 9 27 | 19°17'31 | 2♌10 | 15°25 | 5°54 | 18°19 | 25°29 | 1°56 | 20° 4 | 23°16 | 25°58 | 8°36 | 10° 5 | 13° 1 | 24° 9 | W 3 |
| T 4 | 11 13 24 | 20°16'57 | 14° 9 | 17°23 | 7° 8 | 19° 3 | 25°33 | 2° 0 | 20° 5 | 23°15 | 25°58 | 8°28 | 10° 2 | 13° 8 | 24°13 | T 4 |
| F 5 | 11 17 20 | 21°16'22 | 26° 4 | 19°21 | 8°23 | 19°47 | 25°37 | 2° 4 | 20° 6 | 23°15 | 25°59 | 8°19 | 9°59 | 13°15 | 24°16 | F 5 |
| S 6 | 11 21 17 | 22°15'44 | 7♍56 | 21°20 | 9°37 | 20°30 | 25°41 | 2° 8 | 20° 6 | 23°14 | 26° 0 | 8°10 | 9°56 | 13°21 | 24°19 | S 6 |
| S 7 | 11 25 13 | 23°15'04 | 19°47 | 23°21 | 10°51 | 21°14 | 25°45 | 2°12 | 20° 7 | 23°14 | 26° 0 | 8° 1 | 9°52 | 13°28 | 24°23 | S 7 |
| M 8 | 11 29 10 | 24°14'22 | 1♎38 | 25°22 | 12° 6 | 21°57 | 25°50 | 2°17 | 20° 7 | 23°13 | 26° 1 | 7°55 | 9°49 | 13°35 | 24°26 | M 8 |
| T 9 | 11 33 6 | 25°13'38 | 13°33 | 27°24 | 13°20 | 22°41 | 25°54 | 2°21 | 20° 8 | 23°12 | 26° 2 | 7°50 | 9°46 | 13°41 | 24°30 | T 9 |
| W10 | 11 37 3 | 26°12'52 | 25°31 | 29°27 | 14°34 | 23°24 | 25°59 | 2°26 | 20° 8 | 23°12 | 26° 3 | 7°47 | 9°43 | 13°48 | 24°33 | W10 |
| T 11 | 11 40 59 | 27°12'04 | 7♏37 | 1♈30 | 15°49 | 24° 7 | 26° 4 | 2°30 | 20° 9 | 23°11 | 26° 3 | 7°D46 | 9°40 | 13°55 | 24°37 | T 11 |
| F 12 | 11 44 56 | 28°11'14 | 19°52 | 3°33 | 17° 3 | 24°50 | 26° 9 | 2°35 | 20° 9 | 23°10 | 26° 4 | 7°47 | 9°37 | 14° 2 | 24°40 | F 12 |
| S 13 | 11 48 53 | 29°10'22 | 2♐20 | 5°36 | 18°17 | 25°34 | 26°14 | 2°40 | 20° 9 | 23°10 | 26° 5 | 7°48 | 9°33 | 14° 8 | 24°44 | S 13 |
| S 14 | 11 52 49 | 0♈ 9'28 | 15° 5 | 7°40 | 19°32 | 26°17 | 26°20 | 2°45 | 20°10 | 23° 9 | 26° 6 | 7°50 | 9°30 | 14°15 | 24°47 | S 14 |
| M15 | 11 56 46 | 1° 8'33 | 28°11 | 9°42 | 20°46 | 27° 0 | 26°25 | 2°50 | 20°10 | 23° 8 | 26° 7 | 7°R50 | 9°27 | 14°22 | 24°51 | M15 |
| T 16 | 12 0 42 | 2° 7'36 | 11♑40 | 11°44 | 22° 0 | 27°43 | 26°31 | 2°55 | 20°10 | 23° 7 | 26° 8 | 7°50 | 9°24 | 14°28 | 24°54 | T 16 |
| W17 | 12 4 39 | 3° 6'37 | 25°35 | 13°44 | 23°14 | 28°26 | 26°37 | 3° 0 | 20°10 | 23° 6 | 26° 8 | 7°48 | 9°21 | 14°35 | 24°58 | W17 |
| T 18 | 12 8 35 | 4° 5'36 | 9♒55 | 15°43 | 24°29 | 29° 9 | 26°43 | 3° 5 | 20°R10 | 23° 5 | 26° 9 | 7°45 | 9°18 | 14°42 | 25° 1 | T 18 |
| F 19 | 12 12 32 | 5° 4'34 | 24°39 | 17°40 | 25°43 | 29°52 | 26°49 | 3°10 | 20°10 | 23° 4 | 26°10 | 7°41 | 9°14 | 14°48 | 25° 5 | F 19 |
| S 20 | 12 16 28 | 6° 3'30 | 9♓39 | 19°35 | 26°57 | 0♉35 | 26°56 | 3°16 | 20°10 | 23° 3 | 26°11 | 7°36 | 9°11 | 14°55 | 25° 9 | S 20 |
| S 21 | 12 20 25 | 7° 2'23 | 24°49 | 21°27 | 28°11 | 1°18 | 27° 2 | 3°21 | 20°10 | 23° 2 | 26°12 | 7°32 | 9° 8 | 15° 2 | 25°12 | S 21 |
| M22 | 12 24 22 | 8° 1'15 | 9♈58 | 23°17 | 29°26 | 2° 1 | 27° 9 | 3°27 | 20°10 | 23° 1 | 26°13 | 7°28 | 9° 5 | 15° 8 | 25°16 | M22 |
| T 23 | 12 28 18 | 9° 0'04 | 24°57 | 25° 2 | 0♈40 | 2°44 | 27°15 | 3°32 | 20°10 | 23° 0 | 26°14 | 7°26 | 9° 2 | 15°15 | 25°20 | T 23 |
| W24 | 12 32 15 | 9°58'52 | 9♉37 | 26°45 | 1°54 | 3°26 | 27°22 | 3°38 | 20° 9 | 22°59 | 26°15 | 7°D26 | 8°58 | 15°22 | 25°23 | W24 |
| T 25 | 12 36 11 | 10°57'37 | 23°52 | 28°23 | 3° 8 | 4° 9 | 27°30 | 3°44 | 20° 9 | 22°58 | 26°16 | 7°27 | 8°55 | 15°29 | 25°27 | T 25 |
| F 26 | 12 40 8 | 11°56'20 | 7♊41 | 29°57 | 4°22 | 4°52 | 27°37 | 3°49 | 20° 9 | 22°57 | 26°17 | 7°28 | 8°52 | 15°35 | 25°31 | F 26 |
| S 27 | 12 44 4 | 12°55'01 | 21° 3 | 1♉27 | 5°36 | 5°34 | 27°44 | 3°55 | 20° 8 | 22°56 | 26°18 | 7°30 | 8°49 | 15°42 | 25°35 | S 27 |
| S 28 | 12 48 1 | 13°53'40 | 4♋ 0 | 2°52 | 6°51 | 6°17 | 27°52 | 4° 1 | 20° 8 | 22°55 | 26°19 | 7°31 | 8°46 | 15°49 | 25°38 | S 28 |
| M29 | 12 51 57 | 14°52'17 | 16°36 | 4°12 | 8° 5 | 6°59 | 27°59 | 4° 7 | 20° 7 | 22°54 | 26°20 | 7°R31 | 8°43 | 15°55 | 25°42 | M29 |
| T 30 | 12 55 54 | 15°50'51 | 28°55 | 5°27 | 9°19 | 7°42 | 28° 7 | 4°13 | 20° 7 | 22°53 | 26°21 | 7°30 | 8°39 | 16° 2 | 25°46 | T 30 |
| W31 | 12 59 51 | 16♈49'23 | 11♌ 0 | 6♉38 | 10♈33 | 8♉24 | 28♊15 | 4♊19 | 20♐ 6 | 22♏51 | 26♉22 | 7♉29 | 8♉36 | 16♍ 9 | 25♈50 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s 2 | 27n42 | 4n23 | 8s59 | 1s52 | 11s34 | 1s21 | 6n32 | 0s 8 | 23n35 | 0n 7 | 19n 8 | 1s31 | 23s17 | 0s 6 | 16s58 | 1n46 | 8n 5 | 11s33 | 14n30 | 14n57 | 10n47 | 9n44 | 0n23 |
| T 2 | 4 39 | 26 50 | 4 51 | 8 10 | 1 47 | 11 7 | 1 22 | 6 49 | 0 8 | 23 35 | 0 7 | 19 9 | 1 31 | 23 17 | 0 6 | 16 58 | 1 46 | 8 6 | 11 33 | 14 28 | 14 56 | 10 44 | 9 45 | 0 23 |
| W 3 | 4 15 | 24 43 | 5 5 | 7 20 | 1 42 | 10 40 | 1 23 | 7 6 | 0 7 | 23 35 | 0 7 | 19 10 | 1 31 | 23 17 | 0 6 | 16 58 | 1 46 | 8 6 | 11 33 | 14 26 | 14 55 | 10 41 | 9 46 | 0 23 |
| T 4 | 3 52 | 21 31 | 5 5 | 6 29 | 1 36 | 10 13 | 1 24 | 7 24 | 0 6 | 23 35 | 0 7 | 19 11 | 1 31 | 23 17 | 0 6 | 16 57 | 1 46 | 8 7 | 11 32 | 14 24 | 14 54 | 10 38 | 9 47 | 0 23 |
| F 5 | 3 29 | 17 28 | 4 52 | 5 37 | 1 30 | 9 46 | 1 24 | 7 41 | 0 6 | 23 36 | 0 7 | 19 12 | 1 30 | 23 17 | 0 6 | 16 57 | 1 46 | 8 7 | 11 32 | 14 21 | 14 53 | 10 35 | 9 48 | 0 23 |
| S 6 | 3 5 | 12 45 | 4 27 | 4 44 | 1 23 | 9 19 | 1 25 | 7 58 | 0 5 | 23 36 | 0 7 | 19 13 | 1 30 | 23 17 | 0 6 | 16 57 | 1 47 | 8 7 | 11 32 | 14 18 | 14 52 | 10 32 | 9 49 | 0 22 |
| S 7 | 2 41 | 7 35 | 3 50 | 3 49 | 1 16 | 8 51 | 1 25 | 8 15 | 0 4 | 23 36 | 0 7 | 19 14 | 1 30 | 23 17 | 0 6 | 16 57 | 1 47 | 8 8 | 11 32 | 14 15 | 14 51 | 10 29 | 9 50 | 0 22 |
| M 8 | 2 18 | 2 8 | 3 3 | 2 54 | 1 8 | 8 23 | 1 26 | 8 32 | 0 4 | 23 36 | 0 7 | 19 15 | 1 30 | 23 17 | 0 6 | 16 57 | 1 47 | 8 8 | 11 31 | 14 13 | 14 50 | 10 26 | 9 52 | 0 22 |
| T 9 | 1 54 | 3s25 | 2 7 | 1 57 | 1 0 | 7 54 | 1 26 | 8 49 | 0 3 | 23 37 | 0 7 | 19 16 | 1 29 | 23 17 | 0 6 | 16 57 | 1 47 | 8 9 | 11 31 | 14 11 | 14 49 | 10 23 | 9 53 | 0 22 |
| W10 | 1 31 | 8 53 | 1 6 | 1 0 | 0 51 | 7 26 | 1 27 | 9 6 | 0 2 | 23 37 | 0 7 | 19 17 | 1 29 | 23 17 | 0 6 | 16 56 | 1 47 | 8 9 | 11 31 | 14 10 | 14 48 | 10 20 | 9 54 | 0 22 |
| T 11 | 1 7 | 14 6 | 0 1 | 0 2 | 0 42 | 6 57 | 1 27 | 9 22 | 0 1 | 23 37 | 0 8 | 19 18 | 1 29 | 23 17 | 0 6 | 16 56 | 1 47 | 8 9 | 11 31 | 14 10 | 14 47 | 10 17 | 9 55 | 0 22 |
| F 12 | 0 43 | 18 50 | 1s 5 | 0n56 | 0 32 | 6 28 | 1 27 | 9 39 | 0 1 | 23 37 | 0 8 | 19 19 | 1 29 | 23 17 | 0 6 | 16 56 | 1 47 | 8 10 | 11 30 | 14 10 | 14 46 | 10 14 | 9 56 | 0 22 |
| S 13 | 0 20 | 22 51 | 2 10 | 1 54 | 0 22 | 5 59 | 1 27 | 9 56 | 0 0 | 23 38 | 0 8 | 19 21 | 1 29 | 23 17 | 0 6 | 16 56 | 1 47 | 8 10 | 11 30 | 14 11 | 14 45 | 10 11 | 9 58 | 0 22 |
| S 14 | 0n 4 | 25 51 | 3 9 | 2 53 | 0 11 | 5 30 | 1 27 | 10 12 | 0n 1 | 23 38 | 0 8 | 19 22 | 1 28 | 23 17 | 0 6 | 16 55 | 1 47 | 8 11 | 11 30 | 14 11 | 14 44 | 10 8 | 9 59 | 0 22 |
| M15 | 0 27 | 27 33 | 4 0 | 3 51 | 0 0 | 5 1 | 1 27 | 10 28 | 0 1 | 23 38 | 0 8 | 19 23 | 1 28 | 23 17 | 0 6 | 16 55 | 1 47 | 8 11 | 11 30 | 14 11 | 14 43 | 10 5 | 10 0 | 0 22 |
| T 16 | 0 51 | 27 41 | 4 40 | 4 50 | 0n11 | 4 31 | 1 27 | 10 44 | 0 2 | 23 38 | 0 8 | 19 24 | 1 28 | 23 17 | 0 6 | 16 55 | 1 47 | 8 11 | 11 29 | 14 11 | 14 41 | 10 1 | 10 1 | 0 22 |
| W17 | 1 15 | 26 7 | 5 5 | 5 47 | 0 22 | 4 2 | 1 27 | 11 1 | 0 3 | 23 39 | 0 8 | 19 25 | 1 28 | 23 17 | 0 6 | 16 55 | 1 47 | 8 12 | 11 29 | 14 11 | 14 40 | 9 58 | 10 3 | 0 22 |
| T 18 | 1 38 | 22 50 | 5 12 | 6 44 | 0 34 | 3 32 | 1 27 | 11 16 | 0 3 | 23 39 | 0 8 | 19 26 | 1 28 | 23 17 | 0 6 | 16 54 | 1 47 | 8 12 | 11 29 | 14 10 | 14 39 | 9 55 | 10 4 | 0 22 |
| F 19 | 2 2 | 18 3 | 4 58 | 7 40 | 0 45 | 3 2 | 1 27 | 11 32 | 0 4 | 23 39 | 0 8 | 19 28 | 1 27 | 23 17 | 0 6 | 16 54 | 1 47 | 8 13 | 11 29 | 14 8 | 14 38 | 9 52 | 10 5 | 0 21 |
| S 20 | 2 25 | 12 4 | 4 25 | 8 35 | 0 57 | 2 32 | 1 27 | 11 48 | 0 5 | 23 39 | 0 8 | 19 29 | 1 27 | 23 17 | 0 6 | 16 54 | 1 47 | 8 13 | 11 29 | 14 7 | 14 37 | 9 49 | 10 6 | 0 21 |
| S 21 | 2 48 | 5 19 | 3 32 | 9 28 | 1 8 | 2 2 | 1 26 | 12 4 | 0 5 | 23 40 | 0 8 | 19 30 | 1 27 | 23 17 | 0 6 | 16 53 | 1 47 | 8 14 | 11 28 | 14 5 | 14 36 | 9 46 | 10 8 | 0 21 |
| M22 | 3 12 | 1n45 | 2 25 | 10 19 | 1 20 | 1 32 | 1 26 | 12 19 | 0 6 | 23 40 | 0 9 | 19 31 | 1 27 | 23 17 | 0 6 | 16 53 | 1 47 | 8 14 | 11 28 | 14 4 | 14 35 | 9 43 | 10 9 | 0 21 |
| T 23 | 3 35 | 8 39 | 1 8 | 11 9 | 1 31 | 1 2 | 1 25 | 12 35 | 0 7 | 23 40 | 0 9 | 19 33 | 1 27 | 23 17 | 0 6 | 16 53 | 1 47 | 8 14 | 11 28 | 14 4 | 14 34 | 9 40 | 10 10 | 0 21 |
| W24 | 3 58 | 14 57 | 0n12 | 11 56 | 1 41 | 0 32 | 1 25 | 12 50 | 0 7 | 23 40 | 0 9 | 19 34 | 1 26 | 23 17 | 0 6 | 16 53 | 1 47 | 8 15 | 11 28 | 14 3 | 14 33 | 9 37 | 10 12 | 0 21 |
| T 25 | 4 21 | 20 16 | 1 29 | 12 41 | 1 51 | 0 2 | 1 24 | 13 5 | 0 8 | 23 41 | 0 9 | 19 35 | 1 26 | 23 17 | 0 6 | 16 52 | 1 47 | 8 15 | 11 27 | 14 4 | 14 32 | 9 34 | 10 13 | 0 21 |
| F 26 | 4 45 | 24 18 | 2 39 | 13 24 | 2 1 | 0n28 | 1 23 | 13 20 | 0 8 | 23 41 | 0 9 | 19 36 | 1 26 | 23 17 | 0 6 | 16 52 | 1 47 | 8 16 | 11 27 | 14 4 | 14 31 | 9 30 | 10 14 | 0 21 |
| S 27 | 5 7 | 26 51 | 3 37 | 14 4 | 2 10 | 0 58 | 1 23 | 13 35 | 0 9 | 23 41 | 0 9 | 19 38 | 1 26 | 23 17 | 0 6 | 16 52 | 1 47 | 8 16 | 11 27 | 14 5 | 14 30 | 9 27 | 10 15 | 0 21 |
| S 28 | 5 30 | 27 52 | 4 23 | 14 41 | 2 18 | 1 29 | 1 22 | 13 50 | 0 10 | 23 41 | 0 9 | 19 39 | 1 26 | 23 17 | 0 6 | 16 51 | 1 47 | 8 17 | 11 27 | 14 5 | 14 29 | 9 24 | 10 17 | 0 21 |
| M29 | 5 53 | 27 23 | 4 54 | 15 16 | 2 26 | 1 59 | 1 21 | 14 4 | 0 10 | 23 41 | 0 9 | 19 40 | 1 25 | 23 17 | 0 6 | 16 51 | 1 48 | 8 17 | 11 27 | 14 5 | 14 28 | 9 21 | 10 18 | 0 21 |
| T 30 | 6 16 | 25 33 | 5 11 | 15 48 | 2 33 | 2 29 | 1 20 | 14 19 | 0 11 | 23 42 | 0 9 | 19 42 | 1 25 | 23 17 | 0 6 | 16 51 | 1 48 | 8 17 | 11 26 | 14 5 | 14 27 | 9 18 | 10 19 | 0 21 |
| W31 | 6n38 | 22n35 | 5n14 | 16n17 | 2n39 | 2n59 | 1s19 | 14n33 | 0n12 | 23n42 | 0n 9 | 19n43 | 1s25 | 23s17 | 0s 6 | 16s50 | 1n48 | 8n18 | 11s26 | 14n 4 | 14n26 | 9n15 | 10n21 | 0n21 |

Julian Day Number = 2140424.5, Delta T = 15m23s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'50, Lahiri = 11°58'50 Julian Calendar 1 March 1148 == Greg. Calendar 8 March 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## APRIL 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ⚷ | ☊ | ⚸ | ⚳ | ⚴ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 3 47 | 17♈47'53 | 22♌57 | 7♉43 | 11♈47 | 9♉ 6 | 28♊23 | 4♊25 | 20°R 5 | 22°R50 | 26♉23 | 7°R26 | 8♉33 | 16♍15 | 25♈54 | T 1 |
| F 2 | 13 7 44 | 18°46'20 | 4♍49 | 8°42 | 13° 1 | 9°49 | 28°31 | 4°32 | 20♐ 5 | 22♏49 | 26°24 | 7♉24 | 8°30 | 16°22 | 25°57 | F 2 |
| S 3 | 13 11 40 | 19°44'46 | 16°39 | 9°37 | 14°15 | 10°31 | 28°39 | 4°38 | 20° 4 | 22°48 | 26°26 | 7°21 | 8°27 | 16°29 | 26° 1 | S 3 |
| S 4 | 13 15 37 | 20°43'09 | 28°30 | 10°25 | 15°29 | 11°13 | 28°48 | 4°44 | 20° 3 | 22°46 | 26°27 | 7°18 | 8°24 | 16°36 | 26° 5 | S 4 |
| M 5 | 13 19 33 | 21°41'30 | 10♎26 | 11° 9 | 16°43 | 11°55 | 28°56 | 4°51 | 20° 2 | 22°45 | 26°28 | 7°16 | 8°20 | 16°42 | 26° 9 | M 5 |
| T 6 | 13 23 30 | 22°39'50 | 22°27 | 11°46 | 17°57 | 12°37 | 29° 5 | 4°57 | 20° 1 | 22°44 | 26°29 | 7°15 | 8°17 | 16°49 | 26°13 | T 6 |
| W 7 | 13 27 26 | 23°38'07 | 4♏36 | 12°18 | 19°11 | 13°19 | 29°14 | 5° 4 | 20° 0 | 22°42 | 26°30 | 7°D14 | 8°14 | 16°56 | 26°17 | W 7 |
| T 8 | 13 31 23 | 24°36'23 | 16°55 | 12°44 | 20°25 | 14° 1 | 29°23 | 5°10 | 19°59 | 22°41 | 26°31 | 7°14 | 8°11 | 17° 2 | 26°20 | T 8 |
| F 9 | 13 35 19 | 25°34'37 | 29°24 | 13° 5 | 21°39 | 14°43 | 29°31 | 5°17 | 19°58 | 22°40 | 26°33 | 7°15 | 8° 8 | 17° 9 | 26°24 | F 9 |
| S 10 | 13 39 16 | 26°32'50 | 12♐ 6 | 13°20 | 22°53 | 15°25 | 29°41 | 5°24 | 19°57 | 22°38 | 26°34 | 7°16 | 8° 4 | 17°16 | 26°28 | S 10 |
| S 11 | 13 43 13 | 27°31'01 | 25° 3 | 13°29 | 24° 7 | 16° 7 | 29°50 | 5°30 | 19°56 | 22°37 | 26°35 | 7°17 | 8° 1 | 17°22 | 26°32 | S 11 |
| M12 | 13 47 9 | 28°29'11 | 8♑16 | 13°R33 | 25°21 | 16°49 | 29°59 | 5°37 | 19°55 | 22°35 | 26°36 | 7°18 | 7°58 | 17°29 | 26°36 | M12 |
| T 13 | 13 51 6 | 29°27'19 | 21°47 | 13°32 | 26°35 | 17°31 | 0♋ 9 | 5°44 | 19°54 | 22°34 | 26°37 | 7°18 | 7°55 | 17°36 | 26°39 | T 13 |
| W14 | 13 55 2 | 0♉25'25 | 5♒37 | 13°25 | 27°49 | 18°13 | 0°18 | 5°51 | 19°52 | 22°32 | 26°39 | 7°R18 | 7°52 | 17°42 | 26°43 | W14 |
| T 15 | 13 58 59 | 1°23'30 | 19°46 | 13°14 | 29° 3 | 18°54 | 0°28 | 5°58 | 19°51 | 22°31 | 26°40 | 7°18 | 7°49 | 17°49 | 26°47 | T 15 |
| F 16 | 14 2 55 | 2°21'34 | 4♓11 | 12°58 | 0♉17 | 19°36 | 0°37 | 6° 5 | 19°50 | 22°29 | 26°41 | 7°17 | 7°45 | 17°56 | 26°51 | F 16 |
| S 17 | 14 6 52 | 3°19'36 | 18°50 | 12°38 | 1°31 | 20°18 | 0°47 | 6°12 | 19°48 | 22°28 | 26°42 | 7°17 | 7°42 | 18° 3 | 26°55 | S 17 |
| S 18 | 14 10 48 | 4°17'37 | 3♈38 | 12°14 | 2°45 | 20°59 | 0°57 | 6°19 | 19°47 | 22°26 | 26°44 | 7°17 | 7°39 | 18° 9 | 26°59 | S 18 |
| M19 | 14 14 45 | 5°15'36 | 18°27 | 11°46 | 3°59 | 21°41 | 1° 7 | 6°26 | 19°45 | 22°25 | 26°45 | 7°16 | 7°36 | 18°16 | 27° 2 | M19 |
| T 20 | 14 18 42 | 6°13'34 | 3♉11 | 11°16 | 5°13 | 22°22 | 1°17 | 6°33 | 19°44 | 22°23 | 26°46 | 7°D16 | 7°33 | 18°23 | 27° 6 | T 20 |
| W21 | 14 22 38 | 7°11'31 | 17°42 | 10°44 | 6°27 | 23° 4 | 1°28 | 6°40 | 19°42 | 22°22 | 26°48 | 7°R16 | 7°29 | 18°29 | 27°10 | W21 |
| T 22 | 14 26 35 | 8° 9'25 | 1♊54 | 10° 9 | 7°40 | 23°45 | 1°38 | 6°47 | 19°41 | 22°20 | 26°49 | 7°16 | 7°26 | 18°36 | 27°14 | T 22 |
| F 23 | 14 30 31 | 9° 7'19 | 15°44 | 9°34 | 8°54 | 24°27 | 1°48 | 6°54 | 19°39 | 22°19 | 26°50 | 7°16 | 7°23 | 18°43 | 27°18 | F 23 |
| S 24 | 14 34 28 | 10° 5'10 | 29°10 | 8°58 | 10° 8 | 25° 8 | 1°59 | 7° 2 | 19°37 | 22°17 | 26°52 | 7°16 | 7°20 | 18°49 | 27°21 | S 24 |
| S 25 | 14 38 24 | 11° 3'00 | 12♋12 | 8°22 | 11°22 | 25°49 | 2°10 | 7° 9 | 19°36 | 22°15 | 26°53 | 7°15 | 7°17 | 18°56 | 27°25 | S 25 |
| M26 | 14 42 21 | 12° 0'48 | 24°53 | 7°47 | 12°36 | 26°31 | 2°20 | 7°16 | 19°34 | 22°14 | 26°54 | 7°15 | 7°14 | 19° 3 | 27°29 | M26 |
| T 27 | 14 46 18 | 12°58'34 | 7♌14 | 7°14 | 13°50 | 27°12 | 2°31 | 7°24 | 19°32 | 22°12 | 26°56 | 7°D15 | 7°10 | 19° 9 | 27°33 | T 27 |
| W28 | 14 50 14 | 13°56'18 | 19°22 | 6°42 | 15° 4 | 27°53 | 2°42 | 7°31 | 19°30 | 22°11 | 26°57 | 7°15 | 7° 7 | 19°16 | 27°36 | W28 |
| T 29 | 14 54 11 | 14°54'01 | 1♍19 | 6°13 | 16°17 | 28°34 | 2°53 | 7°38 | 19°29 | 22° 9 | 26°58 | 7°15 | 7° 4 | 19°23 | 27°40 | T 29 |
| F 30 | 14 58 7 | 15♉51'42 | 13♍10 | 5♉46 | 17♉31 | 29♉15 | 3♋ 4 | 7♊46 | 19♐27 | 22♏ 7 | 27♉ 0 | 7♉16 | 7♉ 1 | 19♍29 | 27♈44 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚷ | ☊ | ⚸ | ⚳ | ⚴ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 7n 1 | 18n42 | 5n 3 | 16n44 | 2n44 | 3n29 | 1s18 | 14n48 | 0n12 | 23n42 | 0n 9 | 19n44 | 1s25 | 23s17 | 0s 6 | 16s50 | 1n48 | 8n18 | 11s26 | 14n 4 | 14n25 | 9n12 | 10n22 | 0n20 |
| F 2 | 7 23 | 14 7 | 4 40 | 17 7 | 2 48 | 3 59 | 1 17 | 15 2 | 0 13 | 23 42 | 0 10 | 19 46 | 1 25 | 23 17 | 0 6 | 16 50 | 1 48 | 8 19 | 11 26 | 14 3 | 14 24 | 9 9 | 10 23 | 0 20 |
| S 3 | 7 46 | 9 2 | 4 4 | 17 28 | 2 51 | 4 29 | 1 16 | 15 16 | 0 13 | 23 42 | 0 10 | 19 47 | 1 24 | 23 17 | 0 6 | 16 49 | 1 48 | 8 19 | 11 26 | 14 2 | 14 23 | 9 6 | 10 25 | 0 20 |
| S 4 | 8 8 | 3 37 | 3 18 | 17 45 | 2 53 | 4 59 | 1 15 | 15 29 | 0 14 | 23 42 | 0 10 | 19 48 | 1 24 | 23 17 | 0 6 | 16 49 | 1 48 | 8 20 | 11 26 | 14 1 | 14 22 | 9 2 | 10 26 | 0 20 |
| M 5 | 8 30 | 1s58 | 2 23 | 18 0 | 2 54 | 5 28 | 1 13 | 15 43 | 0 15 | 23 43 | 0 10 | 19 50 | 1 24 | 23 17 | 0 7 | 16 49 | 1 48 | 8 20 | 11 25 | 14 0 | 14 21 | 8 59 | 10 27 | 0 20 |
| T 6 | 8 51 | 7 32 | 1 21 | 18 12 | 2 54 | 5 58 | 1 12 | 15 57 | 0 15 | 23 43 | 0 10 | 19 51 | 1 24 | 23 17 | 0 7 | 16 48 | 1 48 | 8 20 | 11 25 | 14 0 | 14 20 | 8 56 | 10 29 | 0 20 |
| W 7 | 9 13 | 12 53 | 0 15 | 18 21 | 2 53 | 6 27 | 1 11 | 16 10 | 0 16 | 23 43 | 0 10 | 19 52 | 1 24 | 23 17 | 0 7 | 16 48 | 1 48 | 8 21 | 11 25 | 13 59 | 14 19 | 8 53 | 10 30 | 0 20 |
| T 8 | 9 35 | 17 49 | 0s53 | 18 26 | 2 51 | 6 57 | 1 9 | 16 23 | 0 17 | 23 43 | 0 10 | 19 54 | 1 24 | 23 17 | 0 7 | 16 47 | 1 48 | 8 21 | 11 25 | 14 0 | 14 18 | 8 50 | 10 31 | 0 20 |
| F 9 | 9 56 | 22 4 | 2 0 | 18 29 | 2 47 | 7 26 | 1 8 | 16 36 | 0 17 | 23 43 | 0 10 | 19 55 | 1 23 | 23 17 | 0 7 | 16 47 | 1 48 | 8 22 | 11 25 | 14 0 | 14 17 | 8 47 | 10 33 | 0 20 |
| S 10 | 10 17 | 25 21 | 3 1 | 18 29 | 2 42 | 7 55 | 1 6 | 16 49 | 0 18 | 23 43 | 0 10 | 19 56 | 1 23 | 23 17 | 0 7 | 16 47 | 1 48 | 8 22 | 11 25 | 14 0 | 14 16 | 8 44 | 10 34 | 0 20 |
| S 11 | 10 38 | 27 22 | 3 55 | 18 26 | 2 36 | 8 24 | 1 5 | 17 2 | 0 18 | 23 43 | 0 10 | 19 58 | 1 23 | 23 17 | 0 7 | 16 46 | 1 48 | 8 22 | 11 24 | 14 0 | 14 15 | 8 40 | 10 35 | 0 20 |
| M12 | 10 59 | 27 54 | 4 37 | 18 20 | 2 29 | 8 52 | 1 3 | 17 15 | 0 19 | 23 43 | 0 10 | 19 59 | 1 23 | 23 17 | 0 7 | 16 46 | 1 48 | 8 23 | 11 24 | 14 1 | 14 14 | 8 37 | 10 37 | 0 20 |
| T 13 | 11 20 | 26 48 | 5 5 | 18 12 | 2 20 | 9 21 | 1 2 | 17 27 | 0 19 | 23 44 | 0 10 | 20 0 | 1 23 | 23 16 | 0 7 | 16 46 | 1 48 | 8 23 | 11 24 | 14 1 | 14 13 | 8 34 | 10 38 | 0 20 |
| W14 | 11 40 | 24 4 | 5 17 | 18 0 | 2 10 | 9 49 | 1 0 | 17 39 | 0 20 | 23 44 | 0 11 | 20 2 | 1 23 | 23 16 | 0 7 | 16 45 | 1 48 | 8 24 | 11 24 | 14 1 | 14 12 | 8 31 | 10 39 | 0 20 |
| T 15 | 12 1 | 19 51 | 5 10 | 17 47 | 1 59 | 10 17 | 0 58 | 17 51 | 0 21 | 23 44 | 0 11 | 20 3 | 1 22 | 23 16 | 0 7 | 16 45 | 1 48 | 8 24 | 11 24 | 14 1 | 14 11 | 8 28 | 10 41 | 0 19 |
| F 16 | 12 21 | 14 24 | 4 43 | 17 30 | 1 47 | 10 45 | 0 56 | 18 3 | 0 21 | 23 44 | 0 11 | 20 4 | 1 22 | 23 16 | 0 7 | 16 44 | 1 48 | 8 25 | 11 24 | 14 1 | 14 10 | 8 25 | 10 42 | 0 19 |
| S 17 | 12 41 | 8 4 | 3 58 | 17 11 | 1 34 | 11 12 | 0 55 | 18 15 | 0 22 | 23 44 | 0 11 | 20 6 | 1 22 | 23 16 | 0 7 | 16 44 | 1 48 | 8 25 | 11 24 | 14 0 | 14 9 | 8 22 | 10 43 | 0 19 |
| S 18 | 13 1 | 1 14 | 2 56 | 16 50 | 1 19 | 11 39 | 0 53 | 18 27 | 0 22 | 23 44 | 0 11 | 20 7 | 1 22 | 23 16 | 0 7 | 16 44 | 1 48 | 8 25 | 11 23 | 14 0 | 14 8 | 8 18 | 10 45 | 0 19 |
| M19 | 13 20 | 5n41 | 1 43 | 16 27 | 1 4 | 12 6 | 0 51 | 18 38 | 0 23 | 23 44 | 0 11 | 20 8 | 1 22 | 23 16 | 0 7 | 16 43 | 1 48 | 8 26 | 11 23 | 14 0 | 14 7 | 8 15 | 10 46 | 0 19 |
| T 20 | 13 40 | 12 17 | 0 23 | 16 3 | 0 49 | 12 33 | 0 49 | 18 50 | 0 24 | 23 44 | 0 11 | 20 10 | 1 22 | 23 16 | 0 7 | 16 43 | 1 48 | 8 26 | 11 23 | 14 0 | 14 6 | 8 12 | 10 47 | 0 19 |
| W21 | 13 59 | 18 6 | 0n58 | 15 37 | 0 32 | 13 0 | 0 47 | 19 1 | 0 24 | 23 44 | 0 11 | 20 11 | 1 22 | 23 16 | 0 7 | 16 42 | 1 48 | 8 27 | 11 23 | 14 0 | 14 5 | 8 9 | 10 48 | 0 19 |
| T 22 | 14 18 | 22 48 | 2 12 | 15 10 | 0 15 | 13 26 | 0 45 | 19 12 | 0 25 | 23 44 | 0 11 | 20 12 | 1 21 | 23 16 | 0 7 | 16 42 | 1 48 | 8 27 | 11 23 | 14 0 | 14 3 | 8 6 | 10 50 | 0 19 |
| F 23 | 14 36 | 26 4 | 3 18 | 14 43 | 0s 2 | 13 51 | 0 43 | 19 23 | 0 25 | 23 44 | 0 11 | 20 14 | 1 21 | 23 16 | 0 7 | 16 42 | 1 48 | 8 27 | 11 23 | 14 0 | 14 2 | 8 2 | 10 51 | 0 19 |
| S 24 | 14 55 | 27 43 | 4 10 | 14 15 | 0 19 | 14 17 | 0 41 | 19 33 | 0 26 | 23 44 | 0 11 | 20 15 | 1 21 | 23 15 | 0 7 | 16 41 | 1 48 | 8 28 | 11 23 | 14 0 | 14 1 | 7 59 | 10 52 | 0 19 |
| S 25 | 15 13 | 27 45 | 4 47 | 13 47 | 0 37 | 14 42 | 0 39 | 19 44 | 0 26 | 23 43 | 0 11 | 20 16 | 1 21 | 23 15 | 0 7 | 16 41 | 1 48 | 8 28 | 11 23 | 14 0 | 14 0 | 7 56 | 10 54 | 0 19 |
| M26 | 15 31 | 26 20 | 5 10 | 13 19 | 0 54 | 15 7 | 0 37 | 19 54 | 0 27 | 23 43 | 0 11 | 20 18 | 1 21 | 23 15 | 0 7 | 16 40 | 1 48 | 8 28 | 11 23 | 14 0 | 13 59 | 7 53 | 10 55 | 0 19 |
| T 27 | 15 48 | 23 39 | 5 17 | 12 52 | 1 11 | 15 31 | 0 34 | 20 4 | 0 27 | 23 43 | 0 12 | 20 19 | 1 21 | 23 15 | 0 7 | 16 40 | 1 48 | 8 29 | 11 22 | 14 0 | 13 58 | 7 50 | 10 56 | 0 19 |
| W28 | 16 6 | 19 59 | 5 10 | 12 27 | 1 27 | 15 55 | 0 32 | 20 14 | 0 28 | 23 43 | 0 12 | 20 20 | 1 21 | 23 15 | 0 7 | 16 39 | 1 48 | 8 29 | 11 22 | 14 0 | 13 57 | 7 47 | 10 58 | 0 19 |
| T 29 | 16 23 | 15 34 | 4 50 | 12 2 | 1 43 | 16 19 | 0 30 | 20 24 | 0 28 | 23 43 | 0 12 | 20 22 | 1 21 | 23 15 | 0 7 | 16 39 | 1 48 | 8 30 | 11 22 | 14 0 | 13 56 | 7 43 | 10 59 | 0 18 |
| F 30 | 16n40 | 10n36 | 4n17 | 11n39 | 1s58 | 16n42 | 0s28 | 20n33 | 0n29 | 23n43 | 0n12 | 20n23 | 1s20 | 23s15 | 0s 7 | 16s39 | 1n48 | 8n30 | 11s22 | 14n 0 | 13n55 | 7n40 | 11n 0 | 0n18 |

Julian Day Number = 2140455.5, Delta T = 15m23s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'54, Lahiri = 11°58'55 Julian Calendar 1 Apr. 1148 == Greg. Calendar 8 Apr. 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## MAY 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 2 4 | 16♉49'22 | 25♍ 1 | 5°R23 | 18♉45 | 29♉56 | 3♋15 | 7♊53 | 19°R25 | 22°R 6 | 27♉ 1 | 7♉17 | 6♉58 | 19♍36 | 27♈47 | S 1 |
| S 2 | 15 6 0 | 17°47'00 | 6♎55 | 5♉ 4 | 19°59 | 0♊37 | 3°26 | 8° 1 | 19♐23 | 22♏ 4 | 27° 2 | 7°18 | 6°55 | 19°43 | 27°51 | S 2 |
| M 3 | 15 9 57 | 18°44'36 | 18°55 | 4°48 | 21°13 | 1°18 | 3°37 | 8° 8 | 19°21 | 22° 3 | 27° 4 | 7°19 | 6°51 | 19°50 | 27°55 | M 3 |
| T 4 | 15 13 53 | 19°42'12 | 1♏ 5 | 4°37 | 22°26 | 1°59 | 3°49 | 8°16 | 19°19 | 22° 1 | 27° 5 | 7°19 | 6°48 | 19°56 | 27°58 | T 4 |
| W 5 | 15 17 50 | 20°39'45 | 13°26 | 4°30 | 23°40 | 2°40 | 4° 0 | 8°24 | 19°17 | 21°59 | 27° 6 | 7°R19 | 6°45 | 20° 3 | 28° 2 | W 5 |
| T 6 | 15 21 46 | 21°37'18 | 26° 1 | 4°D27 | 24°54 | 3°21 | 4°11 | 8°31 | 19°15 | 21°58 | 27° 8 | 7°18 | 6°42 | 20°10 | 28° 6 | T 6 |
| F 7 | 15 25 43 | 22°34'50 | 8♐50 | 4°29 | 26° 8 | 4° 1 | 4°23 | 8°39 | 19°13 | 21°56 | 27° 9 | 7°17 | 6°39 | 20°16 | 28° 9 | F 7 |
| S 8 | 15 29 40 | 23°32'20 | 21°54 | 4°35 | 27°21 | 4°42 | 4°34 | 8°46 | 19°11 | 21°55 | 27°10 | 7°15 | 6°35 | 20°23 | 28°13 | S 8 |
| S 9 | 15 33 36 | 24°29'49 | 5♑11 | 4°46 | 28°35 | 5°23 | 4°46 | 8°54 | 19° 9 | 21°53 | 27°12 | 7°13 | 6°32 | 20°30 | 28°16 | S 9 |
| M10 | 15 37 33 | 25°27'18 | 18°42 | 5° 2 | 29°49 | 6° 4 | 4°58 | 9° 2 | 19° 6 | 21°51 | 27°13 | 7°11 | 6°29 | 20°36 | 28°20 | M10 |
| T 11 | 15 41 29 | 26°24'46 | 2♒26 | 5°21 | 1♊ 2 | 6°44 | 5°10 | 9°10 | 19° 4 | 21°50 | 27°15 | 7° 9 | 6°26 | 20°43 | 28°23 | T 11 |
| W12 | 15 45 26 | 27°22'13 | 16°21 | 5°45 | 2°16 | 7°25 | 5°21 | 9°17 | 19° 2 | 21°48 | 27°16 | 7° 7 | 6°23 | 20°50 | 28°27 | W12 |
| T 13 | 15 49 22 | 28°19'39 | 0♓26 | 6°14 | 3°30 | 8° 5 | 5°33 | 9°25 | 19° 0 | 21°46 | 27°17 | 7°D 7 | 6°20 | 20°56 | 28°30 | T 13 |
| F 14 | 15 53 19 | 29°17'04 | 14°40 | 6°46 | 4°44 | 8°46 | 5°45 | 9°33 | 18°58 | 21°45 | 27°19 | 7° 8 | 6°16 | 21° 3 | 28°34 | F 14 |
| S 15 | 15 57 16 | 0♊14'29 | 28°59 | 7°23 | 5°57 | 9°26 | 5°57 | 9°41 | 18°55 | 21°43 | 27°20 | 7° 9 | 6°13 | 21°10 | 28°37 | S 15 |
| S 16 | 16 1 12 | 1°11'53 | 13♈23 | 8° 4 | 7°11 | 10° 7 | 6° 9 | 9°48 | 18°53 | 21°42 | 27°21 | 7°10 | 6°10 | 21°16 | 28°40 | S 16 |
| M17 | 16 5 9 | 2° 9'16 | 27°45 | 8°48 | 8°25 | 10°47 | 6°22 | 9°56 | 18°51 | 21°40 | 27°23 | 7°11 | 6° 7 | 21°23 | 28°44 | M17 |
| T 18 | 16 9 5 | 3° 6'39 | 12♉ 4 | 9°37 | 9°38 | 11°28 | 6°34 | 10° 4 | 18°48 | 21°38 | 27°24 | 7°R11 | 6° 4 | 21°30 | 28°47 | T 18 |
| W19 | 16 13 2 | 4° 4'01 | 26°14 | 10°29 | 10°52 | 12° 8 | 6°46 | 10°12 | 18°46 | 21°37 | 27°25 | 7°10 | 6° 1 | 21°37 | 28°50 | W19 |
| T 20 | 16 16 58 | 5° 1'23 | 10♊11 | 11°25 | 12° 6 | 12°48 | 6°58 | 10°20 | 18°44 | 21°35 | 27°27 | 7° 8 | 5°57 | 21°43 | 28°54 | T 20 |
| F 21 | 16 20 55 | 5°58'43 | 23°51 | 12°24 | 13°19 | 13°28 | 7°11 | 10°27 | 18°41 | 21°34 | 27°28 | 7° 4 | 5°54 | 21°50 | 28°57 | F 21 |
| S 22 | 16 24 51 | 6°56'03 | 7♋11 | 13°27 | 14°33 | 14° 9 | 7°23 | 10°35 | 18°39 | 21°32 | 27°30 | 7° 0 | 5°51 | 21°57 | 29° 0 | S 22 |
| S 23 | 16 28 48 | 7°53'22 | 20°11 | 14°33 | 15°47 | 14°49 | 7°36 | 10°43 | 18°37 | 21°31 | 27°31 | 6°55 | 5°48 | 22° 3 | 29° 3 | S 23 |
| M24 | 16 32 45 | 8°50'40 | 2♌52 | 15°42 | 17° 0 | 15°29 | 7°48 | 10°51 | 18°34 | 21°29 | 27°32 | 6°50 | 5°45 | 22°10 | 29° 7 | M24 |
| T 25 | 16 36 41 | 9°47'57 | 15°14 | 16°55 | 18°14 | 16° 9 | 8° 1 | 10°59 | 18°32 | 21°28 | 27°34 | 6°47 | 5°41 | 22°17 | 29°10 | T 25 |
| W26 | 16 40 38 | 10°45'13 | 27°22 | 18°11 | 19°28 | 16°49 | 8°13 | 11° 7 | 18°29 | 21°26 | 27°35 | 6°44 | 5°38 | 22°23 | 29°13 | W26 |
| T 27 | 16 44 34 | 11°42'28 | 9♍20 | 19°31 | 20°41 | 17°29 | 8°26 | 11°14 | 18°27 | 21°25 | 27°36 | 6°D43 | 5°35 | 22°30 | 29°16 | T 27 |
| F 28 | 16 48 31 | 12°39'43 | 21°12 | 20°53 | 21°55 | 18° 9 | 8°39 | 11°22 | 18°25 | 21°23 | 27°38 | 6°44 | 5°32 | 22°37 | 29°19 | F 28 |
| S 29 | 16 52 27 | 13°36'56 | 3♎ 3 | 22°19 | 23° 9 | 18°49 | 8°51 | 11°30 | 18°22 | 21°22 | 27°39 | 6°45 | 5°29 | 22°43 | 29°22 | S 29 |
| S 30 | 16 56 24 | 14°34'09 | 14°58 | 23°47 | 24°22 | 19°29 | 9° 4 | 11°38 | 18°20 | 21°20 | 27°40 | 6°47 | 5°26 | 22°50 | 29°25 | S 30 |
| M31 | 17 0 20 | 15♊31'21 | 27♎ 2 | 25♉19 | 25♊36 | 20♊ 9 | 9♋17 | 11♊46 | 18♐17 | 21♏19 | 27♉42 | 6♉48 | 5♉22 | 22♍57 | 29♈28 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n56 | 5n15 | 3n33 | 11n18 | 2s12 | 17n 4 | 0s26 | 20n43 | 0n29 | 23n43 | 0n12 | 20n24 | 1s20 | 23s14 | 0s 7 | 16s38 | 1n48 | 8n30 | 11s22 | 14n 0 | 13n54 | 7n37 | 11n 1 | 0n18 |
| S 2 | 17 13 | 0s18 | 2 41 | 10 59 | 2 26 | 17 27 | 0 23 | 20 52 | 0 30 | 23 42 | 0 12 | 20 26 | 1 20 | 23 14 | 0 7 | 16 38 | 1 48 | 8 31 | 11 22 | 14 1 | 13 53 | 7 34 | 11 3 | 0 18 |
| M 3 | 17 29 | 5 54 | 1 40 | 10 42 | 2 38 | 17 49 | 0 21 | 21 1 | 0 31 | 23 42 | 0 12 | 20 27 | 1 20 | 23 14 | 0 7 | 16 37 | 1 48 | 8 31 | 11 22 | 14 1 | 13 52 | 7 31 | 11 4 | 0 18 |
| T 4 | 17 45 | 11 22 | 0 35 | 10 28 | 2 49 | 18 10 | 0 19 | 21 10 | 0 31 | 23 42 | 0 12 | 20 28 | 1 20 | 23 14 | 0 7 | 16 37 | 1 48 | 8 31 | 11 22 | 14 1 | 13 51 | 7 27 | 11 5 | 0 18 |
| W 5 | 18 0 | 16 29 | 0s34 | 10 16 | 2 59 | 18 31 | 0 16 | 21 18 | 0 32 | 23 42 | 0 12 | 20 30 | 1 20 | 23 14 | 0 7 | 16 37 | 1 48 | 8 32 | 11 22 | 14 1 | 13 50 | 7 24 | 11 6 | 0 18 |
| T 6 | 18 15 | 21 0 | 1 42 | 10 6 | 3 8 | 18 51 | 0 14 | 21 27 | 0 32 | 23 41 | 0 12 | 20 31 | 1 20 | 23 14 | 0 7 | 16 36 | 1 48 | 8 32 | 11 22 | 14 1 | 13 49 | 7 21 | 11 8 | 0 18 |
| F 7 | 18 30 | 24 36 | 2 45 | 9 59 | 3 17 | 19 11 | 0 12 | 21 35 | 0 33 | 23 41 | 0 12 | 20 32 | 1 20 | 23 14 | 0 7 | 16 36 | 1 48 | 8 32 | 11 22 | 14 0 | 13 48 | 7 18 | 11 9 | 0 18 |
| S 8 | 18 45 | 27 0 | 3 42 | 9 55 | 3 24 | 19 31 | 0 9 | 21 43 | 0 33 | 23 41 | 0 12 | 20 34 | 1 19 | 23 13 | 0 7 | 16 35 | 1 48 | 8 33 | 11 22 | 14 0 | 13 47 | 7 15 | 11 10 | 0 18 |
| S 9 | 18 59 | 27 54 | 4 27 | 9 53 | 3 29 | 19 49 | 0 7 | 21 51 | 0 34 | 23 40 | 0 12 | 20 35 | 1 19 | 23 13 | 0 7 | 16 35 | 1 48 | 8 33 | 11 22 | 13 59 | 13 46 | 7 11 | 11 11 | 0 18 |
| M10 | 19 13 | 27 10 | 4 59 | 9 54 | 3 34 | 20 8 | 0 5 | 21 59 | 0 34 | 23 40 | 0 13 | 20 36 | 1 19 | 23 13 | 0 7 | 16 34 | 1 48 | 8 34 | 11 22 | 13 58 | 13 45 | 7 8 | 11 12 | 0 18 |
| T 11 | 19 27 | 24 48 | 5 14 | 9 57 | 3 38 | 20 26 | 0 2 | 22 6 | 0 35 | 23 40 | 0 13 | 20 37 | 1 19 | 23 13 | 0 7 | 16 34 | 1 48 | 8 34 | 11 21 | 13 58 | 13 44 | 7 5 | 11 14 | 0 18 |
| W12 | 19 40 | 20 57 | 5 11 | 10 2 | 3 41 | 20 43 | 0n 0 | 22 14 | 0 35 | 23 39 | 0 13 | 20 39 | 1 19 | 23 13 | 0 7 | 16 34 | 1 48 | 8 34 | 11 21 | 13 57 | 13 43 | 7 2 | 11 15 | 0 18 |
| T 13 | 19 53 | 15 52 | 4 49 | 10 9 | 3 43 | 21 0 | 0 3 | 22 21 | 0 36 | 23 39 | 0 13 | 20 40 | 1 19 | 23 13 | 0 7 | 16 33 | 1 48 | 8 35 | 11 21 | 13 57 | 13 42 | 6 58 | 11 16 | 0 18 |
| F 14 | 20 5 | 9 54 | 4 10 | 10 19 | 3 43 | 21 16 | 0 5 | 22 28 | 0 36 | 23 38 | 0 13 | 20 41 | 1 19 | 23 12 | 0 7 | 16 33 | 1 48 | 8 35 | 11 21 | 13 57 | 13 40 | 6 55 | 11 17 | 0 18 |
| S 15 | 20 18 | 3 23 | 3 15 | 10 31 | 3 43 | 21 31 | 0 7 | 22 34 | 0 37 | 23 38 | 0 13 | 20 42 | 1 19 | 23 12 | 0 7 | 16 32 | 1 48 | 8 35 | 11 21 | 13 58 | 13 39 | 6 52 | 11 18 | 0 17 |
| S 16 | 20 30 | 3n21 | 2 7 | 10 45 | 3 42 | 21 46 | 0 10 | 22 41 | 0 37 | 23 37 | 0 13 | 20 44 | 1 19 | 23 12 | 0 7 | 16 32 | 1 48 | 8 35 | 11 21 | 13 58 | 13 38 | 6 49 | 11 19 | 0 17 |
| M17 | 20 41 | 9 55 | 0 52 | 11 1 | 3 41 | 22 1 | 0 12 | 22 47 | 0 38 | 23 37 | 0 13 | 20 45 | 1 19 | 23 12 | 0 7 | 16 32 | 1 48 | 8 36 | 11 21 | 13 59 | 13 37 | 6 46 | 11 21 | 0 17 |
| T 18 | 20 53 | 15 57 | 0n27 | 11 19 | 3 38 | 22 14 | 0 15 | 22 53 | 0 38 | 23 36 | 0 13 | 20 46 | 1 18 | 23 12 | 0 7 | 16 31 | 1 48 | 8 36 | 11 21 | 13 59 | 13 36 | 6 42 | 11 22 | 0 17 |
| W19 | 21 4 | 21 4 | 1 43 | 11 38 | 3 35 | 22 28 | 0 17 | 22 59 | 0 38 | 23 36 | 0 13 | 20 47 | 1 18 | 23 12 | 0 7 | 16 31 | 1 48 | 8 36 | 11 21 | 13 58 | 13 35 | 6 39 | 11 23 | 0 17 |
| T 20 | 21 14 | 24 54 | 2 51 | 11 59 | 3 31 | 22 40 | 0 19 | 23 5 | 0 39 | 23 35 | 0 13 | 20 49 | 1 18 | 23 11 | 0 7 | 16 30 | 1 48 | 8 37 | 11 21 | 13 57 | 13 34 | 6 36 | 11 24 | 0 17 |
| F 21 | 21 24 | 27 12 | 3 48 | 12 22 | 3 26 | 22 52 | 0 22 | 23 11 | 0 39 | 23 35 | 0 13 | 20 50 | 1 18 | 23 11 | 0 7 | 16 30 | 1 48 | 8 37 | 11 21 | 13 56 | 13 33 | 6 33 | 11 25 | 0 17 |
| S 22 | 21 34 | 27 52 | 4 31 | 12 46 | 3 20 | 23 3 | 0 24 | 23 16 | 0 40 | 23 34 | 0 14 | 20 51 | 1 18 | 23 11 | 0 7 | 16 30 | 1 48 | 8 37 | 11 21 | 13 55 | 13 32 | 6 29 | 11 26 | 0 17 |
| S 23 | 21 44 | 26 57 | 4 59 | 13 11 | 3 14 | 23 13 | 0 26 | 23 21 | 0 40 | 23 34 | 0 14 | 20 52 | 1 18 | 23 11 | 0 7 | 16 29 | 1 48 | 8 38 | 11 21 | 13 53 | 13 31 | 6 26 | 11 27 | 0 17 |
| M24 | 21 53 | 24 39 | 5 11 | 13 38 | 3 7 | 23 23 | 0 29 | 23 26 | 0 41 | 23 33 | 0 14 | 20 53 | 1 18 | 23 11 | 0 7 | 16 29 | 1 48 | 8 38 | 11 21 | 13 52 | 13 30 | 6 23 | 11 28 | 0 17 |
| T 25 | 22 1 | 21 15 | 5 9 | 14 6 | 3 0 | 23 32 | 0 31 | 23 31 | 0 41 | 23 32 | 0 14 | 20 55 | 1 18 | 23 10 | 0 7 | 16 29 | 1 48 | 8 38 | 11 21 | 13 50 | 13 29 | 6 20 | 11 29 | 0 17 |
| W26 | 22 10 | 17 0 | 4 52 | 14 34 | 2 52 | 23 41 | 0 33 | 23 35 | 0 42 | 23 32 | 0 14 | 20 56 | 1 18 | 23 10 | 0 7 | 16 28 | 1 48 | 8 38 | 11 21 | 13 50 | 13 28 | 6 16 | 11 30 | 0 17 |
| T 27 | 22 18 | 12 10 | 4 23 | 15 4 | 2 43 | 23 49 | 0 35 | 23 40 | 0 42 | 23 31 | 0 14 | 20 57 | 1 18 | 23 10 | 0 7 | 16 28 | 1 48 | 8 39 | 11 21 | 13 49 | 13 27 | 6 13 | 11 31 | 0 17 |
| F 28 | 22 25 | 6 55 | 3 43 | 15 35 | 2 34 | 23 56 | 0 38 | 23 44 | 0 43 | 23 30 | 0 14 | 20 58 | 1 18 | 23 10 | 0 7 | 16 27 | 1 48 | 8 39 | 11 21 | 13 50 | 13 26 | 6 10 | 11 32 | 0 17 |
| S 29 | 22 32 | 1 26 | 2 53 | 16 6 | 2 25 | 24 2 | 0 40 | 23 48 | 0 43 | 23 29 | 0 14 | 20 59 | 1 18 | 23 10 | 0 7 | 16 27 | 1 48 | 8 39 | 11 21 | 13 50 | 13 25 | 6 7 | 11 33 | 0 17 |
| S 30 | 22 39 | 4s 8 | 1 56 | 16 37 | 2 15 | 24 8 | 0 42 | 23 51 | 0 43 | 23 29 | 0 14 | 21 0 | 1 18 | 23 9 | 0 7 | 16 27 | 1 48 | 8 39 | 11 21 | 13 50 | 13 24 | 6 3 | 11 34 | 0 16 |
| M31 | 22n46 | 9s38 | 0n53 | 17n10 | 2s 5 | 24n13 | 0n44 | 23n55 | 0n44 | 23n28 | 0n14 | 21n 1 | 1s17 | 23s 9 | 0s 7 | 16s26 | 1n48 | 8n40 | 11s21 | 13n51 | 13n22 | 6n 0 | 11n35 | 0n16 |

Julian Day Number = 2140485.5, Delta T = 15m22s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°51'58, Lahiri = 11°58'59 Julian Calendar 1 May 1148 == Greg. Calendar 8 May 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## JUNE 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 4 17 | 16♊28'33 | 9♏19 | 26♉54 | 26♊49 | 20♊49 | 9♋30 | 11♊53 | 18°R15 | 21°R17 | 27♉43 | 6°R48 | 5♉19 | 23♍ 3 | 29♈31 | T 1 |
| W 2 | 17 8 14 | 17°25'44 | 21°51 | 28°32 | 28° 3 | 21°29 | 9°42 | 12° 1 | 18♐12 | 21♏16 | 27°44 | 6♉47 | 5°16 | 23°10 | 29°34 | W 2 |
| T 3 | 17 12 10 | 18°22'54 | 4♐42 | 0♊13 | 29°17 | 22° 9 | 9°55 | 12° 9 | 18°10 | 21°14 | 27°46 | 6°44 | 5°13 | 23°17 | 29°36 | T 3 |
| F 4 | 17 16 7 | 19°20'04 | 17°52 | 1°57 | 0♋30 | 22°48 | 10° 8 | 12°17 | 18° 8 | 21°13 | 27°47 | 6°40 | 5°10 | 23°23 | 29°39 | F 4 |
| S 5 | 17 20 3 | 20°17'14 | 1♑19 | 3°44 | 1°44 | 23°28 | 10°21 | 12°25 | 18° 5 | 21°12 | 27°48 | 6°33 | 5° 7 | 23°30 | 29°42 | S 5 |
| S 6 | 17 24 0 | 21°14'24 | 15° 3 | 5°33 | 2°57 | 24° 8 | 10°34 | 12°32 | 18° 3 | 21°10 | 27°49 | 6°26 | 5° 3 | 23°37 | 29°45 | S 6 |
| M 7 | 17 27 56 | 22°11'34 | 28°59 | 7°25 | 4°11 | 24°48 | 10°47 | 12°40 | 18° 0 | 21° 9 | 27°51 | 6°19 | 5° 0 | 23°43 | 29°47 | M 7 |
| T 8 | 17 31 53 | 23° 8'43 | 13♒ 5 | 9°20 | 5°24 | 25°27 | 11° 0 | 12°48 | 17°58 | 21° 8 | 27°52 | 6°13 | 4°57 | 23°50 | 29°50 | T 8 |
| W 9 | 17 35 49 | 24° 5'53 | 27°15 | 11°18 | 6°38 | 26° 7 | 11°13 | 12°56 | 17°55 | 21° 6 | 27°53 | 6° 9 | 4°54 | 23°57 | 29°53 | W 9 |
| T 10 | 17 39 46 | 25° 3'02 | 11♓27 | 13°18 | 7°52 | 26°46 | 11°26 | 13° 4 | 17°53 | 21° 5 | 27°54 | 6° 6 | 4°51 | 24° 4 | 29°55 | T 10 |
| F 11 | 17 43 43 | 26° 0'12 | 25°39 | 15°20 | 9° 5 | 27°26 | 11°40 | 13°11 | 17°51 | 21° 4 | 27°56 | 6°D 5 | 4°47 | 24°10 | 29°58 | F 11 |
| S 12 | 17 47 39 | 26°57'22 | 9♈48 | 17°23 | 10°19 | 28° 6 | 11°53 | 13°19 | 17°48 | 21° 2 | 27°57 | 6° 6 | 4°44 | 24°17 | 0♉ 0 | S 12 |
| S 13 | 17 51 36 | 27°54'32 | 23°53 | 19°29 | 11°32 | 28°45 | 12° 6 | 13°27 | 17°46 | 21° 1 | 27°58 | 6° 7 | 4°41 | 24°24 | 0° 2 | S 13 |
| M14 | 17 55 32 | 28°51'43 | 7♉53 | 21°36 | 12°46 | 29°24 | 12°19 | 13°34 | 17°43 | 21° 0 | 27°59 | 6°R 7 | 4°38 | 24°30 | 0° 5 | M14 |
| T 15 | 17 59 29 | 29°48'54 | 21°45 | 23°44 | 13°59 | 0♋ 4 | 12°32 | 13°42 | 17°41 | 20°59 | 28° 0 | 6° 6 | 4°35 | 24°37 | 0° 7 | T 15 |
| W16 | 18 3 25 | 0♋46'05 | 5♊30 | 25°53 | 15°13 | 0°43 | 12°45 | 13°50 | 17°39 | 20°58 | 28° 2 | 6° 3 | 4°32 | 24°44 | 0°10 | W16 |
| T 17 | 18 7 22 | 1°43'16 | 19° 4 | 28° 3 | 16°26 | 1°23 | 12°59 | 13°57 | 17°36 | 20°57 | 28° 3 | 5°57 | 4°28 | 24°50 | 0°12 | T 17 |
| F 18 | 18 11 19 | 2°40'28 | 2♋25 | 0♋13 | 17°40 | 2° 2 | 13°12 | 14° 5 | 17°34 | 20°55 | 28° 4 | 5°49 | 4°25 | 24°57 | 0°14 | F 18 |
| S 19 | 18 15 15 | 3°37'40 | 15°31 | 2°23 | 18°54 | 2°41 | 13°25 | 14°12 | 17°32 | 20°54 | 28° 5 | 5°40 | 4°22 | 25° 4 | 0°16 | S 19 |
| S 20 | 18 19 12 | 4°34'52 | 28°21 | 4°32 | 20° 7 | 3°21 | 13°39 | 14°20 | 17°29 | 20°53 | 28° 6 | 5°29 | 4°19 | 25°10 | 0°18 | S 20 |
| M21 | 18 23 8 | 5°32'04 | 10♌55 | 6°42 | 21°21 | 4° 0 | 13°52 | 14°27 | 17°27 | 20°52 | 28° 7 | 5°19 | 4°16 | 25°17 | 0°20 | M21 |
| T 22 | 18 27 5 | 6°29'16 | 23°14 | 8°50 | 22°34 | 4°39 | 14° 5 | 14°35 | 17°25 | 20°51 | 28° 9 | 5°11 | 4°13 | 25°24 | 0°22 | T 22 |
| W23 | 18 31 1 | 7°26'28 | 5♍20 | 10°57 | 23°48 | 5°18 | 14°18 | 14°42 | 17°22 | 20°50 | 28°10 | 5° 4 | 4° 9 | 25°30 | 0°24 | W23 |
| T 24 | 18 34 58 | 8°23'40 | 17°16 | 13° 4 | 25° 1 | 5°58 | 14°32 | 14°50 | 17°20 | 20°49 | 28°11 | 5° 0 | 4° 6 | 25°37 | 0°26 | T 24 |
| F 25 | 18 38 54 | 9°20'52 | 29° 7 | 15° 9 | 26°15 | 6°37 | 14°45 | 14°57 | 17°18 | 20°48 | 28°12 | 4°57 | 4° 3 | 25°44 | 0°28 | F 25 |
| S 26 | 18 42 51 | 10°18'04 | 10♎57 | 17°13 | 27°28 | 7°16 | 14°59 | 15° 5 | 17°16 | 20°47 | 28°13 | 4°D57 | 4° 0 | 25°50 | 0°30 | S 26 |
| S 27 | 18 46 48 | 11°15'17 | 22°52 | 19°15 | 28°42 | 7°55 | 15°12 | 15°12 | 17°14 | 20°46 | 28°14 | 4°57 | 3°57 | 25°57 | 0°32 | S 27 |
| M28 | 18 50 44 | 12°12'29 | 4♏56 | 21°15 | 29°55 | 8°34 | 15°25 | 15°19 | 17°12 | 20°46 | 28°15 | 4°R57 | 3°53 | 26° 4 | 0°34 | M28 |
| T 29 | 18 54 41 | 13° 9'42 | 17°16 | 23°15 | 1♌ 9 | 9°13 | 15°39 | 15°26 | 17° 9 | 20°45 | 28°16 | 4°57 | 3°50 | 26°10 | 0°35 | T 29 |
| W30 | 18 58 37 | 14♋ 6'56 | 29♏55 | 25♋12 | 2♌22 | 9♋52 | 15♋52 | 15♊34 | 17♐ 7 | 20♏44 | 28♉17 | 4♉54 | 3♉47 | 26♍17 | 0♉37 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n52 | 14s53 | 0s14 | 17n42 | 1s54 | 24n17 | 0n46 | 23n58 | 0n44 | 23n27 | 0n14 | 21n 2 | 1s17 | 23s 9 | 0s 7 | 16s26 | 1n48 | 8n40 | 11s21 | 13n51 | 13n21 | 5n57 | 11n36 | 0n16 |
| W 2 | 22 57 | 19 37 | 1 21 | 18 15 | 1 44 | 24 21 | 0 48 | 24 1 | 0 45 | 23 26 | 0 14 | 21 4 | 1 17 | 23 9 | 0 7 | 16 26 | 1 48 | 8 40 | 11 21 | 13 51 | 13 20 | 5 54 | 11 37 | 0 16 |
| T 3 | 23 2 | 23 34 | 2 25 | 18 47 | 1 32 | 24 23 | 0 51 | 24 4 | 0 45 | 23 25 | 0 15 | 21 5 | 1 17 | 23 9 | 0 7 | 16 25 | 1 48 | 8 40 | 11 22 | 13 50 | 13 19 | 5 50 | 11 38 | 0 16 |
| F 4 | 23 7 | 26 23 | 3 24 | 19 20 | 1 21 | 24 26 | 0 53 | 24 7 | 0 46 | 23 24 | 0 15 | 21 6 | 1 17 | 23 8 | 0 7 | 16 25 | 1 48 | 8 41 | 11 22 | 13 48 | 13 18 | 5 47 | 11 39 | 0 16 |
| S 5 | 23 12 | 27 45 | 4 12 | 19 51 | 1 9 | 24 27 | 0 55 | 24 9 | 0 46 | 23 23 | 0 15 | 21 7 | 1 17 | 23 8 | 0 7 | 16 25 | 1 48 | 8 41 | 11 22 | 13 46 | 13 17 | 5 44 | 11 40 | 0 16 |
| S 6 | 23 16 | 27 27 | 4 47 | 20 23 | 0 58 | 24 28 | 0 56 | 24 12 | 0 46 | 23 22 | 0 15 | 21 8 | 1 17 | 23 8 | 0 7 | 16 24 | 1 48 | 8 41 | 11 22 | 13 44 | 13 16 | 5 41 | 11 41 | 0 16 |
| M 7 | 23 19 | 25 26 | 5 5 | 20 54 | 0 46 | 24 27 | 0 58 | 24 14 | 0 47 | 23 21 | 0 15 | 21 9 | 1 17 | 23 8 | 0 7 | 16 24 | 1 48 | 8 41 | 11 22 | 13 41 | 13 15 | 5 37 | 11 42 | 0 16 |
| T 8 | 23 22 | 21 51 | 5 6 | 21 23 | 0 34 | 24 27 | 1 0 | 24 16 | 0 47 | 23 20 | 0 15 | 21 10 | 1 17 | 23 7 | 0 7 | 16 24 | 1 47 | 8 41 | 11 22 | 13 39 | 13 14 | 5 34 | 11 43 | 0 16 |
| W 9 | 23 25 | 16 58 | 4 47 | 21 52 | 0 23 | 24 25 | 1 2 | 24 17 | 0 48 | 23 19 | 0 15 | 21 11 | 1 17 | 23 7 | 0 7 | 16 23 | 1 47 | 8 42 | 11 22 | 13 38 | 13 13 | 5 31 | 11 44 | 0 16 |
| T 10 | 23 28 | 11 10 | 4 11 | 22 19 | 0 11 | 24 23 | 1 4 | 24 19 | 0 48 | 23 18 | 0 15 | 21 12 | 1 17 | 23 7 | 0 7 | 16 23 | 1 47 | 8 42 | 11 22 | 13 37 | 13 12 | 5 27 | 11 45 | 0 16 |
| F 11 | 23 29 | 4 48 | 3 20 | 22 44 | 0n 0 | 24 20 | 1 6 | 24 20 | 0 48 | 23 17 | 0 15 | 21 13 | 1 17 | 23 7 | 0 7 | 16 23 | 1 47 | 8 42 | 11 22 | 13 37 | 13 11 | 5 24 | 11 45 | 0 16 |
| S 12 | 23 31 | 1n48 | 2 17 | 23 8 | 0 11 | 24 16 | 1 7 | 24 21 | 0 49 | 23 16 | 0 15 | 21 14 | 1 17 | 23 7 | 0 7 | 16 23 | 1 47 | 8 42 | 11 22 | 13 37 | 13 10 | 5 21 | 11 46 | 0 16 |
| S 13 | 23 32 | 8 18 | 1 5 | 23 30 | 0 22 | 24 12 | 1 9 | 24 22 | 0 49 | 23 15 | 0 15 | 21 15 | 1 17 | 23 6 | 0 7 | 16 22 | 1 47 | 8 42 | 11 22 | 13 37 | 13 9 | 5 18 | 11 47 | 0 16 |
| M14 | 23 33 | 14 21 | 0n 9 | 23 49 | 0 32 | 24 7 | 1 11 | 24 23 | 0 50 | 23 14 | 0 15 | 21 16 | 1 17 | 23 6 | 0 7 | 16 22 | 1 47 | 8 43 | 11 22 | 13 37 | 13 8 | 5 14 | 11 48 | 0 16 |
| T 15 | 23 33 | 19 37 | 1 23 | 24 6 | 0 42 | 24 1 | 1 12 | 24 23 | 0 50 | 23 13 | 0 16 | 21 17 | 1 17 | 23 6 | 0 7 | 16 22 | 1 47 | 8 43 | 11 22 | 13 37 | 13 6 | 5 11 | 11 49 | 0 16 |
| W16 | 23 33 | 23 48 | 2 31 | 24 21 | 0 51 | 23 54 | 1 14 | 24 23 | 0 50 | 23 12 | 0 16 | 21 18 | 1 17 | 23 6 | 0 7 | 16 21 | 1 47 | 8 43 | 11 22 | 13 36 | 13 5 | 5 8 | 11 49 | 0 15 |
| T 17 | 23 32 | 26 34 | 3 29 | 24 32 | 1 0 | 23 47 | 1 15 | 24 24 | 0 51 | 23 11 | 0 16 | 21 19 | 1 17 | 23 6 | 0 7 | 16 21 | 1 47 | 8 43 | 11 23 | 13 34 | 13 4 | 5 5 | 11 50 | 0 15 |
| F 18 | 23 31 | 27 46 | 4 15 | 24 41 | 1 8 | 23 39 | 1 17 | 24 23 | 0 51 | 23 9 | 0 16 | 21 20 | 1 17 | 23 5 | 0 7 | 16 21 | 1 47 | 8 43 | 11 23 | 13 31 | 13 3 | 5 1 | 11 51 | 0 15 |
| S 19 | 23 30 | 27 23 | 4 46 | 24 47 | 1 16 | 23 30 | 1 18 | 24 23 | 0 52 | 23 8 | 0 16 | 21 21 | 1 17 | 23 5 | 0 7 | 16 21 | 1 47 | 8 43 | 11 23 | 13 28 | 13 2 | 4 58 | 11 51 | 0 15 |
| S 20 | 23 28 | 25 31 | 5 2 | 24 51 | 1 22 | 23 21 | 1 19 | 24 23 | 0 52 | 23 7 | 0 16 | 21 22 | 1 17 | 23 5 | 0 7 | 16 20 | 1 47 | 8 43 | 11 23 | 13 25 | 13 1 | 4 55 | 11 52 | 0 15 |
| M21 | 23 26 | 22 25 | 5 3 | 24 51 | 1 28 | 23 11 | 1 21 | 24 22 | 0 52 | 23 6 | 0 16 | 21 22 | 1 16 | 23 5 | 0 7 | 16 20 | 1 47 | 8 44 | 11 23 | 13 21 | 13 0 | 4 51 | 11 53 | 0 15 |
| T 22 | 23 24 | 18 23 | 4 49 | 24 49 | 1 34 | 23 0 | 1 22 | 24 21 | 0 53 | 23 4 | 0 16 | 21 23 | 1 16 | 23 5 | 0 7 | 16 20 | 1 47 | 8 44 | 11 23 | 13 19 | 12 59 | 4 48 | 11 53 | 0 15 |
| W23 | 23 21 | 13 40 | 4 23 | 24 44 | 1 38 | 22 48 | 1 23 | 24 20 | 0 53 | 23 3 | 0 16 | 21 24 | 1 16 | 23 4 | 0 7 | 16 20 | 1 47 | 8 44 | 11 23 | 13 16 | 12 58 | 4 45 | 11 54 | 0 15 |
| T 24 | 23 17 | 8 31 | 3 46 | 24 36 | 1 42 | 22 36 | 1 24 | 24 18 | 0 53 | 23 2 | 0 16 | 21 25 | 1 16 | 23 4 | 0 7 | 16 20 | 1 47 | 8 44 | 11 23 | 13 15 | 12 57 | 4 41 | 11 55 | 0 15 |
| F 25 | 23 13 | 3 5 | 2 59 | 24 26 | 1 45 | 22 24 | 1 25 | 24 17 | 0 54 | 23 0 | 0 16 | 21 26 | 1 16 | 23 4 | 0 7 | 16 19 | 1 47 | 8 44 | 11 23 | 13 14 | 12 56 | 4 38 | 11 55 | 0 15 |
| S 26 | 23 9 | 2s27 | 2 4 | 24 13 | 1 47 | 22 10 | 1 26 | 24 15 | 0 54 | 22 59 | 0 16 | 21 27 | 1 16 | 23 4 | 0 7 | 16 19 | 1 47 | 8 44 | 11 24 | 13 14 | 12 55 | 4 35 | 11 56 | 0 15 |
| S 27 | 23 4 | 7 56 | 1 4 | 23 58 | 1 49 | 21 56 | 1 27 | 24 13 | 0 55 | 22 57 | 0 17 | 21 28 | 1 16 | 23 4 | 0 7 | 16 19 | 1 47 | 8 44 | 11 24 | 13 14 | 12 54 | 4 32 | 11 57 | 0 15 |
| M28 | 22 59 | 13 14 | 0 0 | 23 40 | 1 50 | 21 42 | 1 28 | 24 11 | 0 55 | 22 56 | 0 17 | 21 28 | 1 16 | 23 3 | 0 7 | 16 19 | 1 47 | 8 44 | 11 24 | 13 14 | 12 52 | 4 28 | 11 57 | 0 15 |
| T 29 | 22 54 | 18 6 | 1s 5 | 23 21 | 1 50 | 21 26 | 1 29 | 24 9 | 0 55 | 22 54 | 0 17 | 21 29 | 1 16 | 23 3 | 0 7 | 16 19 | 1 47 | 8 44 | 11 24 | 13 14 | 12 51 | 4 25 | 11 58 | 0 15 |
| W30 | 22n48 | 22s19 | 2s 9 | 23n 0 | 1n50 | 21n10 | 1n29 | 24n 6 | 0n56 | 22n53 | 0n17 | 21n30 | 1s16 | 23s 3 | 0s 7 | 16s18 | 1n46 | 8n45 | 11s24 | 13n13 | 12n50 | 4n22 | 11n58 | 0n15 |

Julian Day Number = 2140516.5, Delta T = 15m22s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'02, Lahiri = 11°59'03 Julian Calendar 1 June 1148 == Greg. Calendar 8 June 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## JULY 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 2 34 | 15♋ 4'09 | 12♐56 | 27♋ 8 | 3♌35 | 10♋31 | 16♋ 5 | 15♊41 | 17°R 5 | 20°R43 | 28♉18 | 4°R49 | 3♉44 | 26♍24 | 0♉38 | T 1 |
| F 2 | 19 6 30 | 16° 1'24 | 26°22 | 29° 1 | 4°49 | 11°10 | 16°19 | 15°48 | 17♐ 3 | 20♏42 | 28°19 | 4♉42 | 3°41 | 26°30 | 0°40 | F 2 |
| S 3 | 19 10 27 | 16°58'38 | 10♑10 | 0♌54 | 6° 2 | 11°49 | 16°32 | 15°55 | 17° 1 | 20°42 | 28°20 | 4°33 | 3°38 | 26°37 | 0°41 | S 3 |
| S 4 | 19 14 23 | 17°55'53 | 24°18 | 2°44 | 7°16 | 12°28 | 16°45 | 16° 2 | 16°59 | 20°41 | 28°21 | 4°22 | 3°34 | 26°44 | 0°43 | S 4 |
| M 5 | 19 18 20 | 18°53'09 | 8♒41 | 4°33 | 8°29 | 13° 7 | 16°59 | 16° 9 | 16°57 | 20°40 | 28°22 | 4°11 | 3°31 | 26°50 | 0°44 | M 5 |
| T 6 | 19 22 17 | 19°50'26 | 23°13 | 6°20 | 9°43 | 13°46 | 17°12 | 16°16 | 16°55 | 20°40 | 28°23 | 4° 1 | 3°28 | 26°57 | 0°46 | T 6 |
| W 7 | 19 26 13 | 20°47'43 | 7♓46 | 8° 5 | 10°56 | 14°25 | 17°25 | 16°23 | 16°53 | 20°39 | 28°24 | 3°54 | 3°25 | 27° 4 | 0°47 | W 7 |
| T 8 | 19 30 10 | 21°45'02 | 22°15 | 9°48 | 12° 9 | 15° 4 | 17°39 | 16°30 | 16°52 | 20°38 | 28°25 | 3°49 | 3°22 | 27°10 | 0°48 | T 8 |
| F 9 | 19 34 6 | 22°42'21 | 6♈36 | 11°30 | 13°23 | 15°42 | 17°52 | 16°37 | 16°50 | 20°38 | 28°26 | 3°46 | 3°19 | 27°17 | 0°49 | F 9 |
| S 10 | 19 38 3 | 23°39'42 | 20°45 | 13°10 | 14°36 | 16°21 | 18° 5 | 16°44 | 16°48 | 20°37 | 28°26 | 3°D46 | 3°15 | 27°24 | 0°50 | S 10 |
| S 11 | 19 41 59 | 24°37'04 | 4♉42 | 14°48 | 15°49 | 17° 0 | 18°19 | 16°51 | 16°46 | 20°37 | 28°27 | 3°R46 | 3°12 | 27°30 | 0°51 | S 11 |
| M12 | 19 45 56 | 25°34'27 | 18°27 | 16°25 | 17° 3 | 17°39 | 18°32 | 16°57 | 16°44 | 20°36 | 28°28 | 3°45 | 3° 9 | 27°37 | 0°52 | M12 |
| T 13 | 19 49 52 | 26°31'51 | 2♊ 1 | 18° 0 | 18°16 | 18°17 | 18°45 | 17° 4 | 16°43 | 20°36 | 28°29 | 3°43 | 3° 6 | 27°44 | 0°53 | T 13 |
| W14 | 19 53 49 | 27°29'17 | 15°23 | 19°33 | 19°29 | 18°56 | 18°59 | 17°11 | 16°41 | 20°35 | 28°30 | 3°38 | 3° 3 | 27°50 | 0°54 | W14 |
| T 15 | 19 57 46 | 28°26'43 | 28°34 | 21° 4 | 20°43 | 19°35 | 19°12 | 17°17 | 16°39 | 20°35 | 28°30 | 3°31 | 2°59 | 27°57 | 0°55 | T 15 |
| F 16 | 20 1 42 | 29°24'11 | 11♋33 | 22°34 | 21°56 | 20°13 | 19°25 | 17°24 | 16°38 | 20°35 | 28°31 | 3°20 | 2°56 | 28° 4 | 0°56 | F 16 |
| S 17 | 20 5 39 | 0♌21'40 | 24°21 | 24° 2 | 23° 9 | 20°52 | 19°39 | 17°30 | 16°36 | 20°34 | 28°32 | 3° 8 | 2°53 | 28°11 | 0°57 | S 17 |
| S 18 | 20 9 35 | 1°19'10 | 6♌56 | 25°28 | 24°23 | 21°31 | 19°52 | 17°37 | 16°35 | 20°34 | 28°33 | 2°55 | 2°50 | 28°17 | 0°57 | S 18 |
| M19 | 20 13 32 | 2°16'41 | 19°19 | 26°53 | 25°36 | 22° 9 | 20° 5 | 17°43 | 16°33 | 20°34 | 28°33 | 2°41 | 2°47 | 28°24 | 0°58 | M19 |
| T 20 | 20 17 28 | 3°14'13 | 1♍30 | 28°15 | 26°49 | 22°48 | 20°18 | 17°49 | 16°32 | 20°34 | 28°34 | 2°30 | 2°44 | 28°31 | 0°58 | T 20 |
| W21 | 20 21 25 | 4°11'46 | 13°30 | 29°36 | 28° 2 | 23°26 | 20°31 | 17°56 | 16°31 | 20°33 | 28°35 | 2°20 | 2°40 | 28°37 | 0°59 | W21 |
| T 22 | 20 25 21 | 5° 9'20 | 25°23 | 0♍55 | 29°16 | 24° 5 | 20°44 | 18° 2 | 16°29 | 20°33 | 28°35 | 2°13 | 2°37 | 28°44 | 0°59 | T 22 |
| F 23 | 20 29 18 | 6° 6'55 | 7♎11 | 2°12 | 0♍29 | 24°43 | 20°58 | 18° 8 | 16°28 | 20°33 | 28°36 | 2° 9 | 2°34 | 28°51 | 1° 0 | F 23 |
| S 24 | 20 33 15 | 7° 4'31 | 19° 0 | 3°27 | 1°42 | 25°22 | 21°11 | 18°14 | 16°27 | 20°33 | 28°37 | 2° 7 | 2°31 | 28°57 | 1° 0 | S 24 |
| S 25 | 20 37 11 | 8° 2'08 | 0♏53 | 4°40 | 2°55 | 26° 0 | 21°24 | 18°20 | 16°25 | 20°33 | 28°37 | 2° 7 | 2°28 | 29° 4 | 1° 0 | S 25 |
| M26 | 20 41 8 | 8°59'46 | 12°56 | 5°51 | 4° 8 | 26°39 | 21°37 | 18°26 | 16°24 | 20°D33 | 28°38 | 2° 7 | 2°25 | 29°11 | 1° 1 | M26 |
| T 27 | 20 45 4 | 9°57'25 | 25°14 | 6°59 | 5°22 | 27°17 | 21°50 | 18°32 | 16°23 | 20°33 | 28°38 | 2° 6 | 2°21 | 29°17 | 1° 1 | T 27 |
| W28 | 20 49 1 | 10°55'06 | 7♐54 | 8° 6 | 6°35 | 27°56 | 22° 3 | 18°38 | 16°22 | 20°33 | 28°39 | 2° 4 | 2°18 | 29°24 | 1° 1 | W28 |
| T 29 | 20 52 57 | 11°52'47 | 20°58 | 9°10 | 7°48 | 28°34 | 22°16 | 18°43 | 16°21 | 20°33 | 28°39 | 1°59 | 2°15 | 29°31 | 1°R 1 | T 29 |
| F 30 | 20 56 54 | 12°50'30 | 4♑29 | 10°11 | 9° 1 | 29°12 | 22°29 | 18°49 | 16°20 | 20°33 | 28°40 | 1°52 | 2°12 | 29°37 | 1° 1 | F 30 |
| S 31 | 21 0 50 | 13♌48'13 | 18♑29 | 11♍10 | 10♍14 | 29♋51 | 22♋41 | 18♊55 | 16♐19 | 20♏33 | 28♉40 | 1♉43 | 2♉ 9 | 29♍44 | 1♉ 1 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n42 | 25s33 | 3s 7 | 22n37 | 1n49 | 20n54 | 1n30 | 24n 4 | 0n56 | 22n51 | 0n17 | 21n31 | 1s16 | 23s 3 | 0s 7 | 16s18 | 1n46 | 8n45 | 11s24 | 13n11 | 12n49 | 4n18 | 11n59 | 0n15 |
| F 2 | 22 35 | 27 27 | 3 57 | 22 12 | 1 47 | 20 37 | 1 30 | 24 1 | 0 56 | 22 50 | 0 17 | 21 32 | 1 16 | 23 3 | 0 7 | 16 18 | 1 46 | 8 45 | 11 24 | 13 9 | 12 48 | 4 15 | 11 59 | 0 14 |
| S 3 | 22 28 | 27 44 | 4 35 | 21 45 | 1 45 | 20 19 | 1 31 | 23 58 | 0 57 | 22 48 | 0 17 | 21 32 | 1 16 | 23 2 | 0 7 | 16 18 | 1 46 | 8 45 | 11 24 | 13 6 | 12 47 | 4 12 | 12 0 | 0 14 |
| S 4 | 22 21 | 26 13 | 4 57 | 21 18 | 1 42 | 20 1 | 1 31 | 23 55 | 0 57 | 22 47 | 0 17 | 21 33 | 1 16 | 23 2 | 0 7 | 16 18 | 1 46 | 8 45 | 11 25 | 13 2 | 12 46 | 4 8 | 12 0 | 0 14 |
| M 5 | 22 13 | 23 0 | 5 0 | 20 49 | 1 39 | 19 42 | 1 32 | 23 51 | 0 57 | 22 45 | 0 17 | 21 34 | 1 16 | 23 2 | 0 7 | 16 18 | 1 46 | 8 45 | 11 25 | 12 58 | 12 45 | 4 5 | 12 0 | 0 14 |
| T 6 | 22 5 | 18 19 | 4 45 | 20 19 | 1 35 | 19 23 | 1 32 | 23 48 | 0 58 | 22 44 | 0 17 | 21 35 | 1 16 | 23 2 | 0 8 | 16 18 | 1 46 | 8 45 | 11 25 | 12 55 | 12 44 | 4 2 | 12 1 | 0 14 |
| W 7 | 21 56 | 12 34 | 4 11 | 19 47 | 1 30 | 19 3 | 1 32 | 23 44 | 0 58 | 22 42 | 0 18 | 21 35 | 1 16 | 23 2 | 0 8 | 16 18 | 1 46 | 8 45 | 11 25 | 12 53 | 12 43 | 3 58 | 12 1 | 0 14 |
| T 8 | 21 47 | 6 10 | 3 21 | 19 15 | 1 26 | 18 43 | 1 33 | 23 40 | 0 58 | 22 40 | 0 18 | 21 36 | 1 16 | 23 1 | 0 8 | 16 17 | 1 46 | 8 45 | 11 25 | 12 51 | 12 42 | 3 55 | 12 2 | 0 14 |
| F 9 | 21 38 | 0n31 | 2 18 | 18 42 | 1 20 | 18 22 | 1 33 | 23 36 | 0 59 | 22 39 | 0 18 | 21 37 | 1 16 | 23 1 | 0 8 | 16 17 | 1 46 | 8 45 | 11 25 | 12 50 | 12 41 | 3 52 | 12 2 | 0 14 |
| S 10 | 21 28 | 7 5 | 1 8 | 18 8 | 1 15 | 18 0 | 1 33 | 23 31 | 0 59 | 22 37 | 0 18 | 21 37 | 1 16 | 23 1 | 0 8 | 16 17 | 1 46 | 8 45 | 11 26 | 12 50 | 12 39 | 3 48 | 12 2 | 0 14 |
| S 11 | 21 18 | 13 14 | 0n 5 | 17 34 | 1 9 | 17 38 | 1 33 | 23 27 | 0 59 | 22 35 | 0 18 | 21 38 | 1 16 | 23 1 | 0 8 | 16 17 | 1 46 | 8 45 | 11 26 | 12 50 | 12 38 | 3 45 | 12 3 | 0 14 |
| M12 | 21 8 | 18 38 | 1 17 | 16 59 | 1 2 | 17 16 | 1 33 | 23 22 | 1 0 | 22 34 | 0 18 | 21 39 | 1 16 | 23 1 | 0 8 | 16 17 | 1 46 | 8 45 | 11 26 | 12 50 | 12 37 | 3 42 | 12 3 | 0 14 |
| T 13 | 20 57 | 23 0 | 2 23 | 16 23 | 0 55 | 16 53 | 1 32 | 23 17 | 1 0 | 22 32 | 0 18 | 21 39 | 1 16 | 23 1 | 0 8 | 16 17 | 1 46 | 8 45 | 11 26 | 12 49 | 12 36 | 3 38 | 12 3 | 0 14 |
| W14 | 20 46 | 26 4 | 3 21 | 15 47 | 0 48 | 16 30 | 1 32 | 23 12 | 1 0 | 22 30 | 0 18 | 21 40 | 1 16 | 23 0 | 0 8 | 16 17 | 1 46 | 8 45 | 11 26 | 12 47 | 12 35 | 3 35 | 12 3 | 0 14 |
| T 15 | 20 34 | 27 39 | 4 7 | 15 11 | 0 41 | 16 6 | 1 32 | 23 7 | 1 1 | 22 28 | 0 18 | 21 41 | 1 16 | 23 0 | 0 8 | 16 17 | 1 46 | 8 45 | 11 26 | 12 45 | 12 34 | 3 32 | 12 4 | 0 14 |
| F 16 | 20 22 | 27 41 | 4 39 | 14 34 | 0 33 | 15 42 | 1 31 | 23 1 | 1 1 | 22 27 | 0 18 | 21 41 | 1 16 | 23 0 | 0 8 | 16 17 | 1 46 | 8 45 | 11 27 | 12 41 | 12 33 | 3 29 | 12 4 | 0 14 |
| S 17 | 20 10 | 26 12 | 4 56 | 13 58 | 0 25 | 15 18 | 1 31 | 22 56 | 1 1 | 22 25 | 0 19 | 21 42 | 1 16 | 23 0 | 0 8 | 16 17 | 1 46 | 8 45 | 11 27 | 12 37 | 12 32 | 3 25 | 12 4 | 0 14 |
| S 18 | 19 58 | 23 27 | 4 59 | 13 21 | 0 16 | 14 53 | 1 30 | 22 50 | 1 1 | 22 23 | 0 19 | 21 42 | 1 16 | 23 0 | 0 8 | 16 17 | 1 45 | 8 45 | 11 27 | 12 32 | 12 31 | 3 22 | 12 4 | 0 13 |
| M19 | 19 45 | 19 39 | 4 48 | 12 44 | 0 8 | 14 27 | 1 30 | 22 44 | 1 2 | 22 21 | 0 19 | 21 43 | 1 16 | 23 0 | 0 8 | 16 17 | 1 45 | 8 45 | 11 27 | 12 28 | 12 30 | 3 19 | 12 4 | 0 13 |
| T 20 | 19 31 | 15 5 | 4 23 | 12 7 | 0s 1 | 14 1 | 1 29 | 22 38 | 1 2 | 22 19 | 0 19 | 21 43 | 1 16 | 23 0 | 0 8 | 16 17 | 1 45 | 8 45 | 11 27 | 12 24 | 12 29 | 3 15 | 12 5 | 0 13 |
| W21 | 19 18 | 10 0 | 3 47 | 11 30 | 0 10 | 13 35 | 1 28 | 22 32 | 1 2 | 22 17 | 0 19 | 21 44 | 1 16 | 22 59 | 0 8 | 16 17 | 1 45 | 8 45 | 11 27 | 12 20 | 12 27 | 3 12 | 12 5 | 0 13 |
| T 22 | 19 4 | 4 37 | 3 1 | 10 53 | 0 20 | 13 9 | 1 27 | 22 25 | 1 3 | 22 15 | 0 19 | 21 45 | 1 16 | 22 59 | 0 8 | 16 17 | 1 45 | 8 45 | 11 28 | 12 18 | 12 26 | 3 9 | 12 5 | 0 13 |
| F 23 | 18 50 | 0s55 | 2 8 | 10 17 | 0 29 | 12 42 | 1 27 | 22 19 | 1 3 | 22 13 | 0 19 | 21 45 | 1 16 | 22 59 | 0 8 | 16 17 | 1 45 | 8 45 | 11 28 | 12 17 | 12 25 | 3 5 | 12 5 | 0 13 |
| S 24 | 18 35 | 6 25 | 1 9 | 9 41 | 0 39 | 12 15 | 1 26 | 22 12 | 1 3 | 22 12 | 0 19 | 21 46 | 1 16 | 22 59 | 0 8 | 16 17 | 1 45 | 8 45 | 11 28 | 12 16 | 12 24 | 3 2 | 12 5 | 0 13 |
| S 25 | 18 21 | 11 44 | 0 7 | 9 5 | 0 49 | 11 48 | 1 24 | 22 5 | 1 4 | 22 10 | 0 19 | 21 46 | 1 16 | 22 59 | 0 8 | 16 17 | 1 45 | 8 45 | 11 28 | 12 16 | 12 23 | 2 58 | 12 5 | 0 13 |
| M26 | 18 6 | 16 42 | 0s57 | 8 30 | 0 59 | 11 20 | 1 23 | 21 58 | 1 4 | 22 8 | 0 19 | 21 47 | 1 16 | 22 59 | 0 8 | 16 17 | 1 45 | 8 45 | 11 28 | 12 16 | 12 22 | 2 55 | 12 5 | 0 13 |
| T 27 | 17 50 | 21 5 | 1 59 | 7 55 | 1 9 | 10 52 | 1 22 | 21 51 | 1 4 | 22 6 | 0 20 | 21 47 | 1 16 | 22 59 | 0 8 | 16 17 | 1 45 | 8 45 | 11 29 | 12 16 | 12 21 | 2 52 | 12 5 | 0 13 |
| W28 | 17 34 | 24 39 | 2 57 | 7 21 | 1 19 | 10 23 | 1 21 | 21 44 | 1 4 | 22 4 | 0 20 | 21 48 | 1 16 | 22 59 | 0 8 | 16 17 | 1 45 | 8 44 | 11 29 | 12 15 | 12 20 | 2 48 | 12 5 | 0 13 |
| T 29 | 17 18 | 27 2 | 3 48 | 6 47 | 1 30 | 9 55 | 1 20 | 21 36 | 1 5 | 22 2 | 0 20 | 21 48 | 1 17 | 22 58 | 0 8 | 16 17 | 1 45 | 8 44 | 11 29 | 12 13 | 12 19 | 2 45 | 12 5 | 0 13 |
| F 30 | 17 2 | 27 56 | 4 28 | 6 15 | 1 40 | 9 26 | 1 18 | 21 28 | 1 5 | 22 0 | 0 20 | 21 48 | 1 17 | 22 58 | 0 8 | 16 17 | 1 45 | 8 44 | 11 29 | 12 11 | 12 18 | 2 42 | 12 5 | 0 13 |
| S 31 | 16n46 | 27s 7 | 4s53 | 5n43 | 1s50 | 8n57 | 1n17 | 21n20 | 1n 5 | 21n58 | 0n20 | 21n49 | 1s17 | 22s58 | 0s 8 | 16s17 | 1n45 | 8n44 | 11s29 | 12n 7 | 12n16 | 2n38 | 12n 5 | 0n13 |

Julian Day Number = 2140546.5, Delta T = 15m22s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'07, Lahiri = 11°59'07 Julian Calendar 1 July 1148 == Greg. Calendar 8 July 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## AUGUST 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 4 47 | 14♌45'58 | 2♒53 | 12♍ 6 | 11♍27 | 0♌29 | 22♋54 | 19♊ 0 | 16°R18 | 20♏33 | 28♉41 | 1°R32 | 2♉ 5 | 29♍51 | 1°R 1 | S 1 |
| M 2 | 21 8 44 | 15°43'45 | 17°36 | 12°59 | 12°40 | 1° 7 | 23° 7 | 19° 6 | 16♐17 | 20°34 | 28°41 | 1♉21 | 2° 2 | 29°57 | 1♉ 0 | M 2 |
| T 3 | 21 12 40 | 16°41'33 | 2♓31 | 13°49 | 13°53 | 1°46 | 23°20 | 19°11 | 16°16 | 20°34 | 28°42 | 1°11 | 1°59 | 0♎ 4 | 1° 0 | T 3 |
| W 4 | 21 16 37 | 17°39'22 | 17°28 | 14°36 | 15° 6 | 2°24 | 23°33 | 19°17 | 16°16 | 20°34 | 28°42 | 1° 4 | 1°56 | 0°11 | 1° 0 | W 4 |
| T 5 | 21 20 33 | 18°37'13 | 2♈19 | 15°19 | 16°19 | 3° 2 | 23°45 | 19°22 | 16°15 | 20°34 | 28°42 | 0°58 | 1°53 | 0°17 | 1° 0 | T 5 |
| F 6 | 21 24 30 | 19°35'06 | 16°56 | 15°59 | 17°32 | 3°40 | 23°58 | 19°27 | 16°14 | 20°35 | 28°43 | 0°56 | 1°50 | 0°24 | 0°59 | F 6 |
| S 7 | 21 28 26 | 20°33'00 | 1♉16 | 16°34 | 18°45 | 4°19 | 24°11 | 19°32 | 16°14 | 20°35 | 28°43 | 0°D55 | 1°46 | 0°31 | 0°59 | S 7 |
| S 8 | 21 32 23 | 21°30'57 | 15°17 | 17° 6 | 19°58 | 4°57 | 24°23 | 19°37 | 16°13 | 20°36 | 28°43 | 0°R56 | 1°43 | 0°37 | 0°58 | S 8 |
| M 9 | 21 36 19 | 22°28'56 | 28°59 | 17°33 | 21°11 | 5°35 | 24°36 | 19°42 | 16°13 | 20°36 | 28°44 | 0°55 | 1°40 | 0°44 | 0°58 | M 9 |
| T 10 | 21 40 16 | 23°26'56 | 12♊23 | 17°56 | 22°24 | 6°13 | 24°48 | 19°47 | 16°12 | 20°36 | 28°44 | 0°54 | 1°37 | 0°51 | 0°57 | T 10 |
| W11 | 21 44 13 | 24°24'59 | 25°31 | 18°14 | 23°36 | 6°51 | 25° 1 | 19°52 | 16°12 | 20°37 | 28°44 | 0°50 | 1°34 | 0°57 | 0°56 | W11 |
| T 12 | 21 48 9 | 25°23'03 | 8♋24 | 18°26 | 24°49 | 7°30 | 25°13 | 19°57 | 16°11 | 20°37 | 28°45 | 0°44 | 1°31 | 1° 4 | 0°55 | T 12 |
| F 13 | 21 52 6 | 26°21'10 | 21° 6 | 18°33 | 26° 2 | 8° 8 | 25°25 | 20° 1 | 16°11 | 20°38 | 28°45 | 0°35 | 1°27 | 1°11 | 0°55 | F 13 |
| S 14 | 21 56 2 | 27°19'18 | 3♌36 | 18°R35 | 27°15 | 8°46 | 25°38 | 20° 6 | 16°11 | 20°39 | 28°45 | 0°24 | 1°24 | 1°17 | 0°54 | S 14 |
| S 15 | 21 59 59 | 28°17'28 | 15°55 | 18°30 | 28°28 | 9°24 | 25°50 | 20°10 | 16°10 | 20°39 | 28°45 | 0°13 | 1°21 | 1°24 | 0°53 | S 15 |
| M16 | 22 3 55 | 29°15'39 | 28° 5 | 18°19 | 29°40 | 10° 2 | 26° 2 | 20°15 | 16°10 | 20°40 | 28°45 | 0° 2 | 1°18 | 1°31 | 0°52 | M16 |
| T 17 | 22 7 52 | 0♍13'53 | 10♍ 7 | 18° 2 | 0♎53 | 10°40 | 26°14 | 20°19 | 16°10 | 20°41 | 28°45 | 29♈51 | 1°15 | 1°37 | 0°51 | T 17 |
| W18 | 22 11 48 | 1°12'08 | 22° 1 | 17°39 | 2° 6 | 11°18 | 26°26 | 20°23 | 16°10 | 20°41 | 28°45 | 29°43 | 1°11 | 1°44 | 0°50 | W18 |
| T 19 | 22 15 45 | 2°10'25 | 3♎50 | 17° 9 | 3°19 | 11°56 | 26°38 | 20°27 | 16°D10 | 20°42 | 28°46 | 29°37 | 1° 8 | 1°51 | 0°49 | T 19 |
| F 20 | 22 19 42 | 3° 8'44 | 15°37 | 16°32 | 4°31 | 12°34 | 26°50 | 20°31 | 16°10 | 20°43 | 28°46 | 29°34 | 1° 5 | 1°57 | 0°47 | F 20 |
| S 21 | 22 23 38 | 4° 7'04 | 27°24 | 15°50 | 5°44 | 13°12 | 27° 2 | 20°35 | 16°10 | 20°44 | 28°46 | 29°D33 | 1° 2 | 2° 4 | 0°46 | S 21 |
| S 22 | 22 27 35 | 5° 5'26 | 9♏16 | 15° 2 | 6°57 | 13°50 | 27°14 | 20°39 | 16°10 | 20°44 | 28°R46 | 29°33 | 0°59 | 2°11 | 0°45 | S 22 |
| M23 | 22 31 31 | 6° 3'50 | 21°18 | 14° 9 | 8° 9 | 14°28 | 27°26 | 20°43 | 16°10 | 20°45 | 28°46 | 29°34 | 0°56 | 2°17 | 0°44 | M23 |
| T 24 | 22 35 28 | 7° 2'15 | 3♐35 | 13°12 | 9°22 | 15° 6 | 27°37 | 20°46 | 16°11 | 20°46 | 28°46 | 29°R35 | 0°52 | 2°24 | 0°42 | T 24 |
| W25 | 22 39 24 | 8° 0'42 | 16°11 | 12°12 | 10°34 | 15°44 | 27°49 | 20°50 | 16°11 | 20°47 | 28°46 | 29°35 | 0°49 | 2°31 | 0°41 | W25 |
| T 26 | 22 43 21 | 8°59'11 | 29°11 | 11°10 | 11°47 | 16°22 | 28° 0 | 20°54 | 16°11 | 20°48 | 28°46 | 29°33 | 0°46 | 2°37 | 0°39 | T 26 |
| F 27 | 22 47 17 | 9°57'41 | 12♑40 | 10° 8 | 12°59 | 17° 0 | 28°12 | 20°57 | 16°12 | 20°49 | 28°45 | 29°29 | 0°43 | 2°44 | 0°38 | F 27 |
| S 28 | 22 51 14 | 10°56'13 | 26°38 | 9° 6 | 14°12 | 17°38 | 28°23 | 21° 0 | 16°12 | 20°50 | 28°45 | 29°23 | 0°40 | 2°50 | 0°36 | S 28 |
| S 29 | 22 55 11 | 11°54'47 | 11♒ 4 | 8° 7 | 15°24 | 18°16 | 28°35 | 21° 3 | 16°13 | 20°51 | 28°45 | 29°16 | 0°36 | 2°57 | 0°34 | S 29 |
| M30 | 22 59 7 | 12°53'22 | 25°54 | 7°12 | 16°36 | 18°54 | 28°46 | 21° 6 | 16°13 | 20°52 | 28°45 | 29° 9 | 0°33 | 3° 4 | 0°33 | M30 |
| T 31 | 23 3 4 | 13♍52'00 | 11♓ 0 | 6♍22 | 17♎49 | 19♌31 | 28♋57 | 21♊ 9 | 16♐14 | 20♏53 | 28♉45 | 29♈ 2 | 0♉30 | 3♎10 | 0♉31 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n29 | 24s29 | 5s 1 | 5n12 | 2s 1 | 8n28 | 1n15 | 21n12 | 1n 5 | 21n56 | 0n20 | 21n49 | 1s17 | 22s58 | 0s 8 | 16s18 | 1n45 | 8n44 | 11s30 | 12n 4 | 12n15 | 2n35 | 12n 5 | 0n13 |
| M 2 | 16 12 | 20 13 | 4 49 | 4 42 | 2 11 | 7 58 | 1 14 | 21 4 | 1 6 | 21 54 | 0 20 | 21 50 | 1 17 | 22 58 | 0 8 | 16 18 | 1 45 | 8 44 | 11 30 | 12 0 | 12 14 | 2 32 | 12 4 | 0 13 |
| T 3 | 15 54 | 14 38 | 4 18 | 4 13 | 2 22 | 7 28 | 1 12 | 20 56 | 1 6 | 21 52 | 0 20 | 21 50 | 1 17 | 22 58 | 0 8 | 16 18 | 1 44 | 8 44 | 11 30 | 11 57 | 12 13 | 2 28 | 12 4 | 0 12 |
| W 4 | 15 37 | 8 10 | 3 29 | 3 45 | 2 32 | 6 58 | 1 10 | 20 48 | 1 6 | 21 49 | 0 20 | 21 51 | 1 17 | 22 58 | 0 8 | 16 18 | 1 44 | 8 44 | 11 30 | 11 54 | 12 12 | 2 25 | 12 4 | 0 12 |
| T 5 | 15 19 | 1 18 | 2 26 | 3 19 | 2 42 | 6 28 | 1 8 | 20 39 | 1 7 | 21 47 | 0 21 | 21 51 | 1 17 | 22 58 | 0 8 | 16 18 | 1 44 | 8 44 | 11 30 | 11 52 | 12 11 | 2 22 | 12 4 | 0 12 |
| F 6 | 15 1 | 5n33 | 1 14 | 2 55 | 2 52 | 5 58 | 1 6 | 20 30 | 1 7 | 21 45 | 0 21 | 21 51 | 1 17 | 22 58 | 0 8 | 16 18 | 1 44 | 8 44 | 11 31 | 11 51 | 12 10 | 2 18 | 12 4 | 0 12 |
| S 7 | 14 42 | 12 0 | 0n 2 | 2 32 | 3 2 | 5 28 | 1 4 | 20 21 | 1 7 | 21 43 | 0 21 | 21 52 | 1 17 | 22 58 | 0 8 | 16 18 | 1 44 | 8 43 | 11 31 | 11 51 | 12 9 | 2 15 | 12 4 | 0 12 |
| S 8 | 14 24 | 17 42 | 1 16 | 2 11 | 3 12 | 4 57 | 1 2 | 20 12 | 1 7 | 21 41 | 0 21 | 21 52 | 1 17 | 22 58 | 0 8 | 16 19 | 1 44 | 8 43 | 11 31 | 11 51 | 12 8 | 2 12 | 12 3 | 0 12 |
| M 9 | 14 5 | 22 21 | 2 23 | 1 51 | 3 21 | 4 26 | 1 0 | 20 3 | 1 8 | 21 39 | 0 21 | 21 52 | 1 17 | 22 58 | 0 8 | 16 19 | 1 44 | 8 43 | 11 31 | 11 51 | 12 7 | 2 8 | 12 3 | 0 12 |
| T 10 | 13 46 | 25 43 | 3 22 | 1 34 | 3 30 | 3 55 | 0 58 | 19 54 | 1 8 | 21 37 | 0 21 | 21 53 | 1 17 | 22 58 | 0 8 | 16 19 | 1 44 | 8 43 | 11 31 | 11 50 | 12 5 | 2 5 | 12 3 | 0 12 |
| W11 | 13 27 | 27 36 | 4 8 | 1 20 | 3 38 | 3 24 | 0 56 | 19 45 | 1 8 | 21 35 | 0 21 | 21 53 | 1 17 | 22 58 | 0 8 | 16 19 | 1 44 | 8 43 | 11 32 | 11 49 | 12 4 | 2 2 | 12 2 | 0 12 |
| T 12 | 13 7 | 27 57 | 4 41 | 1 7 | 3 46 | 2 53 | 0 54 | 19 35 | 1 8 | 21 33 | 0 21 | 21 53 | 1 17 | 22 58 | 0 8 | 16 19 | 1 44 | 8 43 | 11 32 | 11 47 | 12 3 | 1 58 | 12 2 | 0 12 |
| F 13 | 12 47 | 26 49 | 4 59 | 0 58 | 3 54 | 2 22 | 0 52 | 19 25 | 1 9 | 21 30 | 0 22 | 21 54 | 1 17 | 22 57 | 0 8 | 16 19 | 1 44 | 8 43 | 11 32 | 11 44 | 12 2 | 1 55 | 12 2 | 0 12 |
| S 14 | 12 28 | 24 20 | 5 3 | 0 51 | 4 0 | 1 51 | 0 49 | 19 16 | 1 9 | 21 28 | 0 22 | 21 54 | 1 17 | 22 57 | 0 8 | 16 20 | 1 44 | 8 42 | 11 32 | 11 40 | 12 1 | 1 51 | 12 1 | 0 12 |
| S 15 | 12 7 | 20 47 | 4 52 | 0 48 | 4 6 | 1 20 | 0 47 | 19 6 | 1 9 | 21 26 | 0 22 | 21 54 | 1 17 | 22 57 | 0 8 | 16 20 | 1 44 | 8 42 | 11 32 | 11 36 | 12 0 | 1 48 | 12 1 | 0 12 |
| M16 | 11 47 | 16 23 | 4 28 | 0 48 | 4 11 | 0 48 | 0 44 | 18 56 | 1 9 | 21 24 | 0 22 | 21 55 | 1 17 | 22 57 | 0 8 | 16 20 | 1 44 | 8 42 | 11 33 | 11 32 | 11 59 | 1 45 | 12 1 | 0 12 |
| T 17 | 11 27 | 11 24 | 3 52 | 0 51 | 4 14 | 0 17 | 0 42 | 18 45 | 1 10 | 21 22 | 0 22 | 21 55 | 1 17 | 22 57 | 0 8 | 16 20 | 1 44 | 8 42 | 11 33 | 11 28 | 11 58 | 1 41 | 12 0 | 0 12 |
| W18 | 11 6 | 6 2 | 3 7 | 0 58 | 4 17 | 0s14 | 0 39 | 18 35 | 1 10 | 21 20 | 0 22 | 21 55 | 1 17 | 22 57 | 0 8 | 16 21 | 1 44 | 8 42 | 11 33 | 11 26 | 11 57 | 1 38 | 12 0 | 0 11 |
| T 19 | 10 45 | 0 30 | 2 13 | 1 9 | 4 18 | 0 46 | 0 37 | 18 25 | 1 10 | 21 17 | 0 22 | 21 55 | 1 17 | 22 57 | 0 8 | 16 21 | 1 44 | 8 41 | 11 33 | 11 23 | 11 55 | 1 35 | 11 59 | 0 11 |
| F 20 | 10 24 | 5s 2 | 1 14 | 1 23 | 4 17 | 1 17 | 0 34 | 18 14 | 1 10 | 21 15 | 0 22 | 21 56 | 1 17 | 22 57 | 0 8 | 16 21 | 1 43 | 8 41 | 11 33 | 11 22 | 11 54 | 1 31 | 11 59 | 0 11 |
| S 21 | 10 3 | 10 25 | 0 12 | 1 42 | 4 15 | 1 49 | 0 31 | 18 3 | 1 10 | 21 13 | 0 23 | 21 56 | 1 17 | 22 57 | 0 8 | 16 21 | 1 43 | 8 41 | 11 34 | 11 22 | 11 53 | 1 28 | 11 58 | 0 11 |
| S 22 | 9 41 | 15 29 | 0s52 | 2 4 | 4 11 | 2 20 | 0 28 | 17 53 | 1 11 | 21 11 | 0 23 | 21 56 | 1 17 | 22 57 | 0 8 | 16 22 | 1 43 | 8 41 | 11 34 | 11 22 | 11 52 | 1 25 | 11 58 | 0 11 |
| M23 | 9 20 | 20 1 | 1 54 | 2 30 | 4 5 | 2 51 | 0 26 | 17 42 | 1 11 | 21 9 | 0 23 | 21 56 | 1 18 | 22 57 | 0 8 | 16 22 | 1 43 | 8 41 | 11 34 | 11 22 | 11 51 | 1 21 | 11 57 | 0 11 |
| T 24 | 8 58 | 23 48 | 2 53 | 2 59 | 3 57 | 3 23 | 0 23 | 17 31 | 1 11 | 21 7 | 0 23 | 21 56 | 1 18 | 22 57 | 0 8 | 16 22 | 1 43 | 8 40 | 11 34 | 11 23 | 11 50 | 1 18 | 11 57 | 0 11 |
| W25 | 8 36 | 26 33 | 3 44 | 3 31 | 3 47 | 3 54 | 0 20 | 17 20 | 1 11 | 21 4 | 0 23 | 21 57 | 1 18 | 22 58 | 0 8 | 16 23 | 1 43 | 8 40 | 11 35 | 11 23 | 11 49 | 1 14 | 11 56 | 0 11 |
| T 26 | 8 14 | 27 59 | 4 26 | 4 5 | 3 36 | 4 25 | 0 17 | 17 8 | 1 12 | 21 2 | 0 23 | 21 57 | 1 18 | 22 58 | 0 8 | 16 23 | 1 43 | 8 40 | 11 35 | 11 22 | 11 48 | 1 11 | 11 55 | 0 11 |
| F 27 | 7 52 | 27 50 | 4 55 | 4 41 | 3 22 | 4 56 | 0 14 | 16 57 | 1 12 | 21 0 | 0 23 | 21 57 | 1 18 | 22 58 | 0 8 | 16 23 | 1 43 | 8 40 | 11 35 | 11 20 | 11 47 | 1 8 | 11 55 | 0 11 |
| S 28 | 7 30 | 25 57 | 5 8 | 5 19 | 3 7 | 5 27 | 0 11 | 16 46 | 1 12 | 20 58 | 0 23 | 21 57 | 1 18 | 22 58 | 0 8 | 16 24 | 1 43 | 8 40 | 11 35 | 11 18 | 11 45 | 1 4 | 11 54 | 0 11 |
| S 29 | 7 8 | 22 22 | 5 2 | 5 56 | 2 50 | 5 58 | 0 8 | 16 34 | 1 12 | 20 56 | 0 24 | 21 57 | 1 18 | 22 58 | 0 8 | 16 24 | 1 43 | 8 39 | 11 35 | 11 16 | 11 44 | 1 1 | 11 54 | 0 11 |
| M30 | 6 45 | 17 16 | 4 35 | 6 33 | 2 32 | 6 29 | 0 5 | 16 23 | 1 12 | 20 53 | 0 24 | 21 57 | 1 18 | 22 58 | 0 8 | 16 24 | 1 43 | 8 39 | 11 36 | 11 13 | 11 43 | 0 58 | 11 53 | 0 11 |
| T 31 | 6n22 | 11s 1 | 3s50 | 7n 9 | 2s13 | 7s 0 | 0n 1 | 16n11 | 1n13 | 20n51 | 0n24 | 21n58 | 1s18 | 22s58 | 0s 8 | 16s25 | 1n43 | 8n39 | 11s36 | 11n11 | 11n42 | 0n54 | 11n52 | 0n11 |

Julian Day Number = 2140577.5, Delta T = 15m22s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'11, Lahiri = 11°59'11 Julian Calendar 1 Aug. 1148 == Greg. Calendar 8 Aug. 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## SEPTEMBER 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 7 0 | 14♍50'39 | 26♓12 | 5°R38 | 19♎ 1 | 20♌ 9 | 29♋ 8 | 21♊12 | 16♐14 | 20♏54 | 28°R45 | 28°R57 | 0♉27 | 3♎17 | 0°R29 | W 1 |
| T 2 | 23 10 57 | 15°49'20 | 11♈21 | 5♍ 3 | 20°13 | 20°47 | 29°19 | 21°15 | 16°15 | 20°56 | 28♉44 | 28♈54 | 0°24 | 3°24 | 0♉27 | T 2 |
| F 3 | 23 14 53 | 16°48'04 | 26°17 | 4°36 | 21°25 | 21°25 | 29°30 | 21°18 | 16°16 | 20°57 | 28°44 | 28°D53 | 0°21 | 3°30 | 0°25 | F 3 |
| S 4 | 23 18 50 | 17°46'49 | 10♉54 | 4°18 | 22°38 | 22° 3 | 29°41 | 21°20 | 16°17 | 20°58 | 28°44 | 28°53 | 0°17 | 3°37 | 0°23 | S 4 |
| S 5 | 23 22 46 | 18°45'37 | 25° 7 | 4°D10 | 23°50 | 22°41 | 29°52 | 21°23 | 16°17 | 20°59 | 28°44 | 28°54 | 0°14 | 3°44 | 0°22 | S 5 |
| M 6 | 23 26 43 | 19°44'28 | 8♊56 | 4°12 | 25° 2 | 23°18 | 0♌ 3 | 21°25 | 16°18 | 21° 1 | 28°43 | 28°56 | 0°11 | 3°50 | 0°20 | M 6 |
| T 7 | 23 30 40 | 20°43'21 | 22°21 | 4°25 | 26°14 | 23°56 | 0°13 | 21°28 | 16°19 | 21° 2 | 28°43 | 28°R56 | 0° 8 | 3°57 | 0°17 | T 7 |
| W 8 | 23 34 36 | 21°42'16 | 5♋25 | 4°47 | 27°26 | 24°34 | 0°24 | 21°30 | 16°20 | 21° 3 | 28°43 | 28°55 | 0° 5 | 4° 4 | 0°15 | W 8 |
| T 9 | 23 38 33 | 22°41'13 | 18°11 | 5°19 | 28°38 | 25°12 | 0°34 | 21°32 | 16°21 | 21° 5 | 28°42 | 28°53 | 0° 2 | 4°10 | 0°13 | T 9 |
| F 10 | 23 42 29 | 23°40'13 | 0♌40 | 5°59 | 29°50 | 25°49 | 0°44 | 21°34 | 16°22 | 21° 6 | 28°42 | 28°48 | 29♈58 | 4°17 | 0°11 | F 10 |
| S 11 | 23 46 26 | 24°39'15 | 12°58 | 6°49 | 1♏ 2 | 26°27 | 0°55 | 21°36 | 16°24 | 21° 7 | 28°42 | 28°43 | 29°55 | 4°24 | 0° 9 | S 11 |
| S 12 | 23 50 22 | 25°38'19 | 25° 5 | 7°46 | 2°14 | 27° 5 | 1° 5 | 21°37 | 16°25 | 21° 9 | 28°41 | 28°37 | 29°52 | 4°30 | 0° 7 | S 12 |
| M13 | 23 54 19 | 26°37'26 | 7♍ 4 | 8°51 | 3°26 | 27°42 | 1°15 | 21°39 | 16°26 | 21°10 | 28°41 | 28°31 | 29°49 | 4°37 | 0° 4 | M13 |
| T 14 | 23 58 15 | 27°36'34 | 18°58 | 10° 2 | 4°38 | 28°20 | 1°25 | 21°41 | 16°27 | 21°12 | 28°40 | 28°26 | 29°46 | 4°44 | 0° 2 | T 14 |
| W15 | 0 2 12 | 28°35'45 | 0♎47 | 11°18 | 5°50 | 28°58 | 1°35 | 21°42 | 16°29 | 21°13 | 28°40 | 28°22 | 29°42 | 4°50 | 29♈59 | W15 |
| T 16 | 0 6 9 | 29°34'57 | 12°35 | 12°40 | 7° 1 | 29°35 | 1°44 | 21°43 | 16°30 | 21°15 | 28°39 | 28°19 | 29°39 | 4°57 | 29°57 | T 16 |
| F 17 | 0 10 5 | 0♎34'12 | 24°23 | 14° 6 | 8°13 | 0♍13 | 1°54 | 21°45 | 16°31 | 21°16 | 28°39 | 28°D18 | 29°36 | 5° 4 | 29°55 | F 17 |
| S 18 | 0 14 2 | 1°33'29 | 6♏13 | 15°36 | 9°25 | 0°51 | 2° 4 | 21°46 | 16°33 | 21°18 | 28°38 | 28°18 | 29°33 | 5°10 | 29°52 | S 18 |
| S 19 | 0 17 58 | 2°32'48 | 18° 9 | 17°10 | 10°37 | 1°28 | 2°13 | 21°47 | 16°35 | 21°20 | 28°38 | 28°19 | 29°30 | 5°17 | 29°50 | S 19 |
| M20 | 0 21 55 | 3°32'08 | 0♐14 | 18°45 | 11°48 | 2° 6 | 2°22 | 21°48 | 16°36 | 21°21 | 28°37 | 28°21 | 29°27 | 5°24 | 29°47 | M20 |
| T 21 | 0 25 51 | 4°31'31 | 12°32 | 20°23 | 13° 0 | 2°43 | 2°32 | 21°48 | 16°38 | 21°23 | 28°37 | 28°23 | 29°23 | 5°30 | 29°44 | T 21 |
| W22 | 0 29 48 | 5°30'55 | 25° 7 | 22° 3 | 14°11 | 3°21 | 2°41 | 21°49 | 16°39 | 21°25 | 28°36 | 28°24 | 29°20 | 5°37 | 29°42 | W22 |
| T 23 | 0 33 44 | 6°30'22 | 8♑ 3 | 23°44 | 15°23 | 3°59 | 2°50 | 21°50 | 16°41 | 21°26 | 28°35 | 28°R24 | 29°17 | 5°44 | 29°39 | T 23 |
| F 24 | 0 37 41 | 7°29'50 | 21°24 | 25°25 | 16°34 | 4°36 | 2°58 | 21°50 | 16°43 | 21°28 | 28°35 | 28°23 | 29°14 | 5°50 | 29°37 | F 24 |
| S 25 | 0 41 38 | 8°29'19 | 5♒12 | 27° 8 | 17°46 | 5°14 | 3° 7 | 21°50 | 16°45 | 21°30 | 28°34 | 28°22 | 29°11 | 5°57 | 29°34 | S 25 |
| S 26 | 0 45 34 | 9°28'51 | 19°27 | 28°51 | 18°57 | 5°51 | 3°16 | 21°51 | 16°47 | 21°32 | 28°33 | 28°20 | 29° 8 | 6° 4 | 29°31 | S 26 |
| M27 | 0 49 31 | 10°28'24 | 4♓ 7 | 0♎35 | 20° 8 | 6°29 | 3°24 | 21°R51 | 16°49 | 21°33 | 28°33 | 28°17 | 29° 4 | 6°10 | 29°28 | M27 |
| T 28 | 0 53 27 | 11°27'59 | 19° 7 | 2°18 | 21°19 | 7° 6 | 3°33 | 21°51 | 16°50 | 21°35 | 28°32 | 28°15 | 29° 1 | 6°17 | 29°26 | T 28 |
| W29 | 0 57 24 | 12°27'36 | 4♈19 | 4° 1 | 22°31 | 7°43 | 3°41 | 21°50 | 16°52 | 21°37 | 28°31 | 28°14 | 28°58 | 6°24 | 29°23 | W29 |
| T 30 | 1 1 20 | 13♎27'15 | 19♈33 | 5♎45 | 23♏42 | 8♍21 | 3♌49 | 21♊50 | 16♐55 | 21♏39 | 28♉30 | 28♈13 | 28♈55 | 6♎30 | 29♈20 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n 0 | 4s 5 | 2s48 | 7n44 | 1s54 | 7s30 | 0s 2 | 15n59 | 1n13 | 20n49 | 0n24 | 21n58 | 1s18 | 22s58 | 0s 8 | 16s25 | 1n43 | 8n39 | 11s36 | 11n 9 | 11n41 | 0n51 | 11n52 | 0n10 |
| T 2 | 5 37 | 3n 5 | 1 34 | 8 15 | 1 34 | 8 1 | 0 5 | 15 47 | 1 13 | 20 47 | 0 24 | 21 58 | 1 18 | 22 58 | 0 8 | 16 25 | 1 43 | 8 38 | 11 36 | 11 8 | 11 40 | 0 47 | 11 51 | 0 10 |
| F 3 | 5 14 | 9 58 | 0 14 | 8 44 | 1 14 | 8 31 | 0 8 | 15 35 | 1 13 | 20 45 | 0 24 | 21 58 | 1 18 | 22 58 | 0 8 | 16 26 | 1 43 | 8 38 | 11 36 | 11 8 | 11 39 | 0 44 | 11 50 | 0 10 |
| S 4 | 4 51 | 16 12 | 1n 5 | 9 8 | 0 54 | 9 1 | 0 11 | 15 23 | 1 13 | 20 43 | 0 24 | 21 58 | 1 18 | 22 58 | 0 8 | 16 26 | 1 43 | 8 38 | 11 37 | 11 8 | 11 38 | 0 41 | 11 49 | 0 10 |
| S 5 | 4 28 | 21 22 | 2 18 | 9 29 | 0 35 | 9 31 | 0 15 | 15 11 | 1 14 | 20 41 | 0 25 | 21 58 | 1 18 | 22 58 | 0 8 | 16 26 | 1 43 | 8 38 | 11 37 | 11 8 | 11 37 | 0 37 | 11 49 | 0 10 |
| M 6 | 4 5 | 25 12 | 3 21 | 9 45 | 0 17 | 10 1 | 0 18 | 14 58 | 1 14 | 20 38 | 0 25 | 21 58 | 1 18 | 22 58 | 0 8 | 16 27 | 1 42 | 8 37 | 11 37 | 11 9 | 11 35 | 0 34 | 11 48 | 0 10 |
| T 7 | 3 42 | 27 30 | 4 10 | 9 57 | 0n 1 | 10 30 | 0 21 | 14 46 | 1 14 | 20 36 | 0 25 | 21 58 | 1 18 | 22 58 | 0 8 | 16 27 | 1 42 | 8 37 | 11 37 | 11 9 | 11 34 | 0 31 | 11 47 | 0 10 |
| W 8 | 3 18 | 28 12 | 4 46 | 10 4 | 0 17 | 10 59 | 0 25 | 14 34 | 1 14 | 20 34 | 0 25 | 21 58 | 1 18 | 22 59 | 0 8 | 16 28 | 1 42 | 8 37 | 11 37 | 11 9 | 11 33 | 0 27 | 11 46 | 0 10 |
| T 9 | 2 55 | 27 22 | 5 6 | 10 7 | 0 32 | 11 28 | 0 28 | 14 21 | 1 14 | 20 32 | 0 25 | 21 58 | 1 18 | 22 59 | 0 8 | 16 28 | 1 42 | 8 37 | 11 38 | 11 8 | 11 32 | 0 24 | 11 45 | 0 10 |
| F 10 | 2 32 | 25 10 | 5 11 | 10 4 | 0 46 | 11 57 | 0 31 | 14 8 | 1 14 | 20 30 | 0 25 | 21 59 | 1 19 | 22 59 | 0 8 | 16 28 | 1 42 | 8 36 | 11 38 | 11 6 | 11 31 | 0 20 | 11 45 | 0 10 |
| S 11 | 2 8 | 21 49 | 5 2 | 9 58 | 0 59 | 12 26 | 0 35 | 13 56 | 1 15 | 20 28 | 0 26 | 21 59 | 1 19 | 22 59 | 0 8 | 16 29 | 1 42 | 8 36 | 11 38 | 11 4 | 11 30 | 0 17 | 11 44 | 0 10 |
| S 12 | 1 44 | 17 36 | 4 39 | 9 47 | 1 10 | 12 54 | 0 38 | 13 43 | 1 15 | 20 26 | 0 26 | 21 59 | 1 19 | 22 59 | 0 8 | 16 29 | 1 42 | 8 36 | 11 38 | 11 2 | 11 29 | 0 14 | 11 43 | 0 10 |
| M13 | 1 21 | 12 44 | 4 4 | 9 32 | 1 20 | 13 22 | 0 41 | 13 30 | 1 15 | 20 24 | 0 26 | 21 59 | 1 19 | 22 59 | 0 8 | 16 30 | 1 42 | 8 36 | 11 38 | 11 0 | 11 28 | 0 10 | 11 42 | 0 10 |
| T 14 | 0 57 | 7 26 | 3 19 | 9 13 | 1 29 | 13 50 | 0 45 | 13 17 | 1 15 | 20 22 | 0 26 | 21 59 | 1 19 | 22 59 | 0 8 | 16 30 | 1 42 | 8 35 | 11 38 | 10 58 | 11 26 | 0 7 | 11 41 | 0 9 |
| W15 | 0 34 | 1 54 | 2 25 | 8 50 | 1 36 | 14 17 | 0 48 | 13 4 | 1 15 | 20 20 | 0 26 | 21 59 | 1 19 | 22 59 | 0 8 | 16 31 | 1 42 | 8 35 | 11 39 | 10 57 | 11 25 | 0 3 | 11 40 | 0 9 |
| T 16 | 0 10 | 3s41 | 1 25 | 8 25 | 1 42 | 14 44 | 0 52 | 12 51 | 1 16 | 20 18 | 0 26 | 21 59 | 1 19 | 23 0 | 0 8 | 16 31 | 1 42 | 8 35 | 11 39 | 10 56 | 11 24 | 0 0 | 11 39 | 0 9 |
| F 17 | 0s14 | 9 10 | 0 22 | 7 56 | 1 47 | 15 11 | 0 55 | 12 38 | 1 16 | 20 16 | 0 26 | 21 59 | 1 19 | 23 0 | 0 8 | 16 31 | 1 42 | 8 34 | 11 39 | 10 55 | 11 23 | 0s 3 | 11 38 | 0 9 |
| S 18 | 0 37 | 14 20 | 0s43 | 7 25 | 1 51 | 15 37 | 0 58 | 12 24 | 1 16 | 20 14 | 0 27 | 21 59 | 1 19 | 23 0 | 0 8 | 16 32 | 1 42 | 8 34 | 11 39 | 10 55 | 11 22 | 0 7 | 11 37 | 0 9 |
| S 19 | 1 1 | 19 2 | 1 47 | 6 51 | 1 54 | 16 3 | 1 2 | 12 11 | 1 16 | 20 12 | 0 27 | 21 59 | 1 19 | 23 0 | 0 8 | 16 32 | 1 42 | 8 34 | 11 39 | 10 56 | 11 21 | 0 10 | 11 36 | 0 9 |
| M20 | 1 25 | 23 1 | 2 47 | 6 15 | 1 56 | 16 29 | 1 5 | 11 58 | 1 16 | 20 10 | 0 27 | 21 59 | 1 19 | 23 0 | 0 8 | 16 33 | 1 42 | 8 34 | 11 40 | 10 56 | 11 20 | 0 13 | 11 35 | 0 9 |
| T 21 | 1 48 | 26 3 | 3 40 | 5 37 | 1 57 | 16 54 | 1 8 | 11 44 | 1 16 | 20 8 | 0 27 | 21 59 | 1 19 | 23 0 | 0 8 | 16 33 | 1 42 | 8 33 | 11 40 | 10 57 | 11 19 | 0 17 | 11 34 | 0 9 |
| W22 | 2 12 | 27 52 | 4 24 | 4 58 | 1 57 | 17 19 | 1 12 | 11 31 | 1 16 | 20 6 | 0 27 | 21 59 | 1 19 | 23 1 | 0 8 | 16 34 | 1 42 | 8 33 | 11 40 | 10 57 | 11 17 | 0 20 | 11 33 | 0 9 |
| T 23 | 2 36 | 28 14 | 4 56 | 4 17 | 1 56 | 17 43 | 1 15 | 11 17 | 1 17 | 20 4 | 0 27 | 21 59 | 1 19 | 23 1 | 0 8 | 16 34 | 1 42 | 8 33 | 11 40 | 10 57 | 11 16 | 0 24 | 11 32 | 0 9 |
| F 24 | 2 59 | 27 0 | 5 13 | 3 35 | 1 55 | 18 7 | 1 18 | 11 4 | 1 17 | 20 2 | 0 28 | 21 59 | 1 19 | 23 1 | 0 8 | 16 35 | 1 42 | 8 32 | 11 40 | 10 57 | 11 15 | 0 27 | 11 31 | 0 9 |
| S 25 | 3 23 | 24 7 | 5 14 | 2 52 | 1 53 | 18 31 | 1 22 | 10 50 | 1 17 | 20 0 | 0 28 | 21 59 | 1 19 | 23 1 | 0 8 | 16 35 | 1 42 | 8 32 | 11 40 | 10 57 | 11 14 | 0 30 | 11 30 | 0 9 |
| S 26 | 3 46 | 19 43 | 4 55 | 2 9 | 1 51 | 18 54 | 1 25 | 10 36 | 1 17 | 19 58 | 0 28 | 21 59 | 1 19 | 23 1 | 0 8 | 16 36 | 1 42 | 8 32 | 11 41 | 10 56 | 11 13 | 0 34 | 11 29 | 0 9 |
| M27 | 4 10 | 14 1 | 4 16 | 1 25 | 1 48 | 19 17 | 1 28 | 10 22 | 1 17 | 19 57 | 0 28 | 21 59 | 1 20 | 23 1 | 0 8 | 16 36 | 1 41 | 8 32 | 11 41 | 10 55 | 11 12 | 0 37 | 11 28 | 0 8 |
| T 28 | 4 33 | 7 23 | 3 20 | 0 40 | 1 44 | 19 39 | 1 32 | 10 8 | 1 17 | 19 55 | 0 28 | 21 59 | 1 20 | 23 2 | 0 8 | 16 37 | 1 41 | 8 31 | 11 41 | 10 54 | 11 11 | 0 41 | 11 27 | 0 8 |
| W29 | 4 57 | 0 15 | 2 9 | 0s 5 | 1 40 | 20 1 | 1 35 | 9 55 | 1 17 | 19 53 | 0 29 | 21 58 | 1 20 | 23 2 | 0 8 | 16 37 | 1 41 | 8 31 | 11 41 | 10 54 | 11 9 | 0 44 | 11 26 | 0 8 |
| T 30 | 5s20 | 6n57 | 0s48 | 0s50 | 1n36 | 20s22 | 1s38 | 9n41 | 1n18 | 19n51 | 0n29 | 21n58 | 1s20 | 23s 2 | 0s 8 | 16s38 | 1n41 | 8n31 | 11s41 | 10n53 | 11n 8 | 0s47 | 11n25 | 0n 8 |

Julian Day Number = 2140608.5, Delta T = 15m21s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'15, Lahiri = 11°59'15 Julian Calendar 1 Sept. 1148 == Greg. Calendar 8 Sept. 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## OCTOBER 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 5 17 | 14♎26'56 | 4♉40 | 7♎28 | 24♏53 | 8♍58 | 3♌57 | 21°R50 | 16♐57 | 21♏41 | 28°R30 | 28°D13 | 28♈52 | 6♎37 | 29°R17 | F 1 |
| S 2 | 1 9 13 | 15°26'39 | 19°30 | 9°11 | 26° 4 | 9°36 | 4° 5 | 21♊49 | 16°59 | 21°43 | 28♉29 | 28♈13 | 28°48 | 6°44 | 29♈14 | S 2 |
| S 3 | 1 13 10 | 16°26'25 | 3♊57 | 10°53 | 27°14 | 10°13 | 4°13 | 21°49 | 17° 1 | 21°45 | 28°28 | 28°14 | 28°45 | 6°50 | 29°12 | S 3 |
| M 4 | 1 17 6 | 17°26'13 | 17°59 | 12°35 | 28°25 | 10°51 | 4°20 | 21°48 | 17° 3 | 21°46 | 28°27 | 28°15 | 28°42 | 6°57 | 29° 9 | M 4 |
| T 5 | 1 21 3 | 18°26'03 | 1♋33 | 14°17 | 29°36 | 11°28 | 4°28 | 21°47 | 17° 5 | 21°48 | 28°26 | 28°16 | 28°39 | 7° 4 | 29° 6 | T 5 |
| W 6 | 1 25 0 | 19°25'55 | 14°41 | 15°58 | 0♐47 | 12° 5 | 4°35 | 21°46 | 17° 8 | 21°50 | 28°26 | 28°R16 | 28°36 | 7°10 | 29° 3 | W 6 |
| T 7 | 1 28 56 | 20°25'50 | 27°27 | 17°38 | 1°57 | 12°43 | 4°42 | 21°45 | 17°10 | 21°52 | 28°25 | 28°16 | 28°33 | 7°17 | 29° 0 | T 7 |
| F 8 | 1 32 53 | 21°25'47 | 9♌54 | 19°19 | 3° 8 | 13°20 | 4°49 | 21°44 | 17°12 | 21°54 | 28°24 | 28°16 | 28°29 | 7°23 | 28°57 | F 8 |
| S 9 | 1 36 49 | 22°25'46 | 22° 5 | 20°58 | 4°19 | 13°57 | 4°56 | 21°43 | 17°15 | 21°56 | 28°23 | 28°15 | 28°26 | 7°30 | 28°54 | S 9 |
| S 10 | 1 40 46 | 23°25'47 | 4♍ 5 | 22°37 | 5°29 | 14°35 | 5° 3 | 21°42 | 17°17 | 21°58 | 28°22 | 28°14 | 28°23 | 7°37 | 28°51 | S 10 |
| M11 | 1 44 42 | 24°25'50 | 15°58 | 24°16 | 6°39 | 15°12 | 5° 9 | 21°40 | 17°20 | 22° 0 | 28°21 | 28°14 | 28°20 | 7°43 | 28°48 | M11 |
| T 12 | 1 48 39 | 25°25'56 | 27°47 | 25°54 | 7°50 | 15°49 | 5°16 | 21°39 | 17°22 | 22° 2 | 28°20 | 28°13 | 28°17 | 7°50 | 28°45 | T 12 |
| W13 | 1 52 35 | 26°26'03 | 9♎34 | 27°32 | 9° 0 | 16°26 | 5°22 | 21°37 | 17°25 | 22° 5 | 28°19 | 28°13 | 28°13 | 7°57 | 28°42 | W13 |
| T 14 | 1 56 32 | 27°26'12 | 21°23 | 29° 9 | 10°10 | 17° 4 | 5°28 | 21°35 | 17°27 | 22° 7 | 28°18 | 28°13 | 28°10 | 8° 3 | 28°39 | T 14 |
| F 15 | 2 0 29 | 28°26'23 | 3♏16 | 0♏46 | 11°20 | 17°41 | 5°34 | 21°33 | 17°30 | 22° 9 | 28°17 | 28°13 | 28° 7 | 8°10 | 28°36 | F 15 |
| S 16 | 2 4 25 | 29°26'36 | 15°14 | 2°22 | 12°30 | 18°18 | 5°40 | 21°31 | 17°33 | 22°11 | 28°16 | 28°13 | 28° 4 | 8°17 | 28°33 | S 16 |
| S 17 | 2 8 22 | 0♏26'51 | 27°20 | 3°58 | 13°40 | 18°55 | 5°46 | 21°29 | 17°35 | 22°13 | 28°15 | 28°13 | 28° 1 | 8°23 | 28°31 | S 17 |
| M18 | 2 12 18 | 1°27'08 | 9♐35 | 5°34 | 14°50 | 19°33 | 5°51 | 21°27 | 17°38 | 22°15 | 28°14 | 28°13 | 27°58 | 8°30 | 28°28 | M18 |
| T 19 | 2 16 15 | 2°27'26 | 22° 2 | 7° 9 | 15°59 | 20°10 | 5°57 | 21°25 | 17°41 | 22°17 | 28°13 | 28°12 | 27°54 | 8°37 | 28°25 | T 19 |
| W20 | 2 20 11 | 3°27'46 | 4♑44 | 8°44 | 17° 9 | 20°47 | 6° 2 | 21°22 | 17°44 | 22°19 | 28°12 | 28°12 | 27°51 | 8°43 | 28°22 | W20 |
| T 21 | 2 24 8 | 4°28'07 | 17°42 | 10°18 | 18°19 | 21°24 | 6° 7 | 21°20 | 17°47 | 22°22 | 28°11 | 28°11 | 27°48 | 8°50 | 28°19 | T 21 |
| F 22 | 2 28 4 | 5°28'30 | 1♒ 0 | 11°52 | 19°28 | 22° 1 | 6°12 | 21°17 | 17°50 | 22°24 | 28°10 | 28°D11 | 27°45 | 8°57 | 28°16 | F 22 |
| S 23 | 2 32 1 | 6°28'54 | 14°38 | 13°26 | 20°37 | 22°38 | 6°16 | 21°15 | 17°52 | 22°26 | 28° 9 | 28°11 | 27°42 | 9° 3 | 28°13 | S 23 |
| S 24 | 2 35 58 | 7°29'20 | 28°38 | 14°59 | 21°46 | 23°15 | 6°21 | 21°12 | 17°55 | 22°28 | 28° 8 | 28°11 | 27°39 | 9°10 | 28°10 | S 24 |
| M25 | 2 39 54 | 8°29'47 | 12♓59 | 16°32 | 22°56 | 23°52 | 6°25 | 21° 9 | 17°58 | 22°30 | 28° 7 | 28°12 | 27°35 | 9°17 | 28° 7 | M25 |
| T 26 | 2 43 51 | 9°30'15 | 27°39 | 18° 5 | 24° 4 | 24°29 | 6°29 | 21° 6 | 18° 1 | 22°33 | 28° 6 | 28°13 | 27°32 | 9°23 | 28° 4 | T 26 |
| W27 | 2 47 47 | 10°30'44 | 12♈34 | 19°38 | 25°13 | 25° 6 | 6°33 | 21° 3 | 18° 4 | 22°35 | 28° 5 | 28°14 | 27°29 | 9°30 | 28° 1 | W27 |
| T 28 | 2 51 44 | 11°31'15 | 27°35 | 21°10 | 26°22 | 25°43 | 6°37 | 21° 0 | 18° 7 | 22°37 | 28° 4 | 28°R14 | 27°26 | 9°37 | 27°58 | T 28 |
| F 29 | 2 55 40 | 12°31'48 | 12♉35 | 22°42 | 27°30 | 26°20 | 6°41 | 20°56 | 18°11 | 22°39 | 28° 3 | 28°14 | 27°23 | 9°43 | 27°56 | F 29 |
| S 30 | 2 59 37 | 13°32'22 | 27°26 | 24°14 | 28°39 | 26°57 | 6°44 | 20°53 | 18°14 | 22°41 | 28° 2 | 28°13 | 27°19 | 9°50 | 27°53 | S 30 |
| S 31 | 3 3 33 | 14♏32'58 | 11♊59 | 25♏46 | 29♐47 | 27♍34 | 6♌47 | 20♊50 | 18♐17 | 22♏44 | 28♉ 1 | 28♈11 | 27♈16 | 9♎57 | 27♈50 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 5s43 | 13n42 | 0n36 | 1s35 | 1n31 | 20s42 | 1s41 | 9n27 | 1n18 | 19n49 | 0n29 | 21n58 | 1s20 | 23s 2 | 0s 8 | 16s38 | 1n41 | 8n30 | 11s41 | 10n53 | 11n 7 | 0s51 | 11n24 | 0n 8 | F 1 |
| S 2 | 6 7 | 19 32 | 1 55 | 2 20 | 1 26 | 21 3 | 1 44 | 9 13 | 1 18 | 19 48 | 0 29 | 21 58 | 1 20 | 23 2 | 0 8 | 16 39 | 1 41 | 8 30 | 11 41 | 10 53 | 11 6 | 0 54 | 11 23 | 0 8 | S 2 |
| S 3 | 6 30 | 24 5 | 3 6 | 3 5 | 1 21 | 21 22 | 1 47 | 8 58 | 1 18 | 19 46 | 0 29 | 21 58 | 1 20 | 23 3 | 0 8 | 16 39 | 1 41 | 8 30 | 11 42 | 10 54 | 11 5 | 0 58 | 11 22 | 0 8 | S 3 |
| M 4 | 6 53 | 27 2 | 4 2 | 3 50 | 1 15 | 21 41 | 1 50 | 8 44 | 1 18 | 19 45 | 0 29 | 21 58 | 1 20 | 23 3 | 0 8 | 16 40 | 1 41 | 8 29 | 11 42 | 10 54 | 11 4 | 1 1 | 11 21 | 0 8 | M 4 |
| T 5 | 7 16 | 28 16 | 4 44 | 4 35 | 1 10 | 22 0 | 1 53 | 8 30 | 1 18 | 19 43 | 0 30 | 21 58 | 1 20 | 23 3 | 0 8 | 16 40 | 1 41 | 8 29 | 11 42 | 10 54 | 11 3 | 1 4 | 11 20 | 0 8 | T 5 |
| W 6 | 7 38 | 27 51 | 5 9 | 5 20 | 1 4 | 22 18 | 1 56 | 8 16 | 1 18 | 19 41 | 0 30 | 21 58 | 1 20 | 23 3 | 0 8 | 16 41 | 1 41 | 8 29 | 11 42 | 10 55 | 11 2 | 1 8 | 11 19 | 0 8 | W 6 |
| T 7 | 8 1 | 25 57 | 5 17 | 6 4 | 0 58 | 22 35 | 1 59 | 8 2 | 1 19 | 19 40 | 0 30 | 21 58 | 1 20 | 23 4 | 0 8 | 16 42 | 1 41 | 8 29 | 11 42 | 10 55 | 11 0 | 1 11 | 11 17 | 0 8 | T 7 |
| F 8 | 8 24 | 22 50 | 5 11 | 6 48 | 0 51 | 22 52 | 2 2 | 7 47 | 1 19 | 19 38 | 0 30 | 21 58 | 1 20 | 23 4 | 0 8 | 16 42 | 1 41 | 8 28 | 11 42 | 10 54 | 10 59 | 1 15 | 11 16 | 0 8 | F 8 |
| S 9 | 8 46 | 18 47 | 4 51 | 7 32 | 0 45 | 23 9 | 2 4 | 7 33 | 1 19 | 19 37 | 0 30 | 21 58 | 1 20 | 23 4 | 0 8 | 16 43 | 1 41 | 8 28 | 11 42 | 10 54 | 10 58 | 1 18 | 11 15 | 0 8 | S 9 |
| S 10 | 9 9 | 14 3 | 4 18 | 8 15 | 0 39 | 23 24 | 2 7 | 7 19 | 1 19 | 19 35 | 0 31 | 21 57 | 1 20 | 23 4 | 0 8 | 16 43 | 1 41 | 8 28 | 11 42 | 10 54 | 10 57 | 1 21 | 11 14 | 0 7 | S 10 |
| M11 | 9 31 | 8 51 | 3 34 | 8 57 | 0 32 | 23 39 | 2 10 | 7 4 | 1 19 | 19 34 | 0 31 | 21 57 | 1 20 | 23 4 | 0 8 | 16 44 | 1 41 | 8 27 | 11 42 | 10 54 | 10 56 | 1 25 | 11 13 | 0 7 | M11 |
| T 12 | 9 53 | 3 21 | 2 41 | 9 39 | 0 25 | 23 54 | 2 12 | 6 50 | 1 19 | 19 32 | 0 31 | 21 57 | 1 20 | 23 5 | 0 8 | 16 44 | 1 41 | 8 27 | 11 43 | 10 54 | 10 55 | 1 28 | 11 12 | 0 7 | T 12 |
| W13 | 10 15 | 2s15 | 1 42 | 10 21 | 0 19 | 24 7 | 2 15 | 6 35 | 1 19 | 19 31 | 0 31 | 21 57 | 1 20 | 23 5 | 0 8 | 16 45 | 1 41 | 8 27 | 11 43 | 10 53 | 10 54 | 1 32 | 11 11 | 0 7 | W13 |
| T 14 | 10 37 | 7 48 | 0 38 | 11 2 | 0 12 | 24 21 | 2 17 | 6 21 | 1 19 | 19 30 | 0 31 | 21 57 | 1 20 | 23 5 | 0 8 | 16 45 | 1 41 | 8 27 | 11 43 | 10 53 | 10 52 | 1 35 | 11 10 | 0 7 | T 14 |
| F 15 | 10 58 | 13 6 | 0s28 | 11 42 | 0 5 | 24 33 | 2 20 | 6 6 | 1 19 | 19 29 | 0 32 | 21 57 | 1 20 | 23 5 | 0 8 | 16 46 | 1 41 | 8 26 | 11 43 | 10 53 | 10 51 | 1 38 | 11 8 | 0 7 | F 15 |
| S 16 | 11 20 | 17 58 | 1 33 | 12 22 | 0s 1 | 24 45 | 2 22 | 5 52 | 1 20 | 19 27 | 0 32 | 21 57 | 1 20 | 23 6 | 0 8 | 16 47 | 1 41 | 8 26 | 11 43 | 10 53 | 10 50 | 1 42 | 11 7 | 0 7 | S 16 |
| S 17 | 11 41 | 22 10 | 2 35 | 13 1 | 0 8 | 24 56 | 2 24 | 5 37 | 1 20 | 19 26 | 0 32 | 21 56 | 1 20 | 23 6 | 0 8 | 16 47 | 1 41 | 8 26 | 11 43 | 10 53 | 10 49 | 1 45 | 11 6 | 0 7 | S 17 |
| M18 | 12 2 | 25 27 | 3 30 | 13 40 | 0 15 | 25 6 | 2 26 | 5 23 | 1 20 | 19 25 | 0 32 | 21 56 | 1 20 | 23 6 | 0 8 | 16 48 | 1 41 | 8 25 | 11 43 | 10 53 | 10 48 | 1 48 | 11 5 | 0 7 | M18 |
| T 19 | 12 23 | 27 35 | 4 17 | 14 18 | 0 21 | 25 16 | 2 28 | 5 8 | 1 20 | 19 24 | 0 32 | 21 56 | 1 20 | 23 7 | 0 8 | 16 48 | 1 41 | 8 25 | 11 43 | 10 53 | 10 47 | 1 52 | 11 4 | 0 7 | T 19 |
| W20 | 12 44 | 28 19 | 4 51 | 14 55 | 0 28 | 25 25 | 2 30 | 4 54 | 1 20 | 19 23 | 0 33 | 21 56 | 1 21 | 23 7 | 0 8 | 16 49 | 1 41 | 8 25 | 11 43 | 10 53 | 10 46 | 1 55 | 11 3 | 0 7 | W20 |
| T 21 | 13 4 | 27 32 | 5 12 | 15 31 | 0 34 | 25 34 | 2 32 | 4 39 | 1 20 | 19 22 | 0 33 | 21 56 | 1 21 | 23 7 | 0 8 | 16 49 | 1 41 | 8 25 | 11 43 | 10 53 | 10 44 | 1 59 | 11 2 | 0 7 | T 21 |
| F 22 | 13 25 | 25 11 | 5 17 | 16 7 | 0 41 | 25 42 | 2 34 | 4 24 | 1 20 | 19 21 | 0 33 | 21 55 | 1 21 | 23 7 | 0 8 | 16 50 | 1 41 | 8 24 | 11 43 | 10 53 | 10 43 | 2 2 | 11 0 | 0 6 | F 22 |
| S 23 | 13 45 | 21 22 | 5 5 | 16 42 | 0 47 | 25 49 | 2 36 | 4 10 | 1 20 | 19 20 | 0 33 | 21 55 | 1 21 | 23 8 | 0 8 | 16 51 | 1 41 | 8 24 | 11 43 | 10 53 | 10 42 | 2 5 | 10 59 | 0 6 | S 23 |
| S 24 | 14 4 | 16 17 | 4 34 | 17 15 | 0 53 | 25 55 | 2 38 | 3 55 | 1 20 | 19 19 | 0 33 | 21 55 | 1 21 | 23 8 | 0 8 | 16 51 | 1 41 | 8 24 | 11 44 | 10 53 | 10 41 | 2 9 | 10 58 | 0 6 | S 24 |
| M25 | 14 24 | 10 11 | 3 46 | 17 49 | 1 0 | 26 1 | 2 39 | 3 40 | 1 20 | 19 18 | 0 34 | 21 55 | 1 21 | 23 8 | 0 8 | 16 52 | 1 41 | 8 23 | 11 44 | 10 53 | 10 40 | 2 12 | 10 57 | 0 6 | M25 |
| T 26 | 14 44 | 3 24 | 2 42 | 18 21 | 1 6 | 26 5 | 2 41 | 3 26 | 1 20 | 19 17 | 0 34 | 21 55 | 1 21 | 23 8 | 0 8 | 16 52 | 1 41 | 8 23 | 11 44 | 10 53 | 10 39 | 2 16 | 10 56 | 0 6 | T 26 |
| W27 | 15 3 | 3n40 | 1 26 | 18 52 | 1 12 | 26 10 | 2 42 | 3 11 | 1 20 | 19 16 | 0 34 | 21 54 | 1 21 | 23 9 | 0 8 | 16 53 | 1 41 | 8 23 | 11 44 | 10 54 | 10 38 | 2 19 | 10 55 | 0 6 | W27 |
| T 28 | 15 22 | 10 36 | 0 4 | 19 23 | 1 17 | 26 13 | 2 43 | 2 56 | 1 20 | 19 15 | 0 34 | 21 54 | 1 21 | 23 9 | 0 8 | 16 53 | 1 41 | 8 23 | 11 44 | 10 54 | 10 36 | 2 22 | 10 54 | 0 6 | T 28 |
| F 29 | 15 40 | 16 56 | 1n19 | 19 52 | 1 23 | 26 16 | 2 44 | 2 42 | 1 21 | 19 15 | 0 34 | 21 54 | 1 21 | 23 9 | 0 8 | 16 54 | 1 41 | 8 22 | 11 44 | 10 54 | 10 35 | 2 26 | 10 53 | 0 6 | F 29 |
| S 30 | 15 59 | 22 11 | 2 35 | 20 21 | 1 29 | 26 18 | 2 45 | 2 27 | 1 21 | 19 14 | 0 35 | 21 54 | 1 21 | 23 10 | 0 8 | 16 55 | 1 41 | 8 22 | 11 44 | 10 53 | 10 34 | 2 29 | 10 52 | 0 6 | S 30 |
| S 31 | 16s17 | 25n57 | 3n39 | 20s48 | 1s34 | 26s19 | 2s46 | 2n12 | 1n21 | 19n13 | 0n35 | 21n54 | 1s21 | 23s10 | 0s 8 | 16s55 | 1n41 | 8n22 | 11s44 | 10n53 | 10n33 | 2s33 | 10n50 | 0n 6 | S 31 |

Julian Day Number = 2140638.5, Delta T = 15m21s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'19, Lahiri = 11°59'20 Julian Calendar 1 Oct. 1148 == Greg. Calendar 8 Oct. 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## NOVEMBER 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 7 30 | 15♏33'35 | 26♊ 8 | 27♏17 | 0♑55 | 28♍11 | 6♌50 | 20°R46 | 18♐20 | 22♏46 | 28°R 0 | 28°R 8 | 27♈13 | 10♎ 3 | 27°R47 | M 1 |
| T 2 | 3 11 27 | 16°34'15 | 9♋52 | 28°48 | 2° 3 | 28°48 | 6°53 | 20♊42 | 18°23 | 22°48 | 27♉58 | 28♈ 6 | 27°10 | 10°10 | 27♈44 | T 2 |
| W 3 | 3 15 23 | 17°34'55 | 23° 9 | 0♐19 | 3°11 | 29°25 | 6°56 | 20°39 | 18°26 | 22°50 | 27°57 | 28° 4 | 27° 7 | 10°16 | 27°42 | W 3 |
| T 4 | 3 19 20 | 18°35'38 | 6♌ 0 | 1°50 | 4°19 | 0♎ 2 | 6°58 | 20°35 | 18°30 | 22°53 | 27°56 | 28° 2 | 27° 4 | 10°23 | 27°39 | T 4 |
| F 5 | 3 23 16 | 19°36'22 | 18°29 | 3°20 | 5°26 | 0°39 | 7° 1 | 20°31 | 18°33 | 22°55 | 27°55 | 28°D 2 | 27° 0 | 10°30 | 27°36 | F 5 |
| S 6 | 3 27 13 | 20°37'08 | 0♍41 | 4°50 | 6°33 | 1°15 | 7° 3 | 20°27 | 18°36 | 22°57 | 27°54 | 28° 2 | 26°57 | 10°36 | 27°33 | S 6 |
| S 7 | 3 31 9 | 21°37'55 | 12°39 | 6°19 | 7°40 | 1°52 | 7° 5 | 20°23 | 18°39 | 22°59 | 27°53 | 28° 3 | 26°54 | 10°43 | 27°31 | S 7 |
| M 8 | 3 35 6 | 22°38'44 | 24°30 | 7°49 | 8°47 | 2°29 | 7° 7 | 20°19 | 18°43 | 23° 2 | 27°52 | 28° 5 | 26°51 | 10°50 | 27°28 | M 8 |
| T 9 | 3 39 2 | 23°39'34 | 6♎17 | 9°18 | 9°54 | 3° 6 | 7° 8 | 20°15 | 18°46 | 23° 4 | 27°50 | 28° 7 | 26°48 | 10°56 | 27°26 | T 9 |
| W10 | 3 42 59 | 24°40'26 | 18° 5 | 10°46 | 11° 1 | 3°42 | 7°10 | 20°11 | 18°50 | 23° 6 | 27°49 | 28° 8 | 26°45 | 11° 3 | 27°23 | W10 |
| T 11 | 3 46 56 | 25°41'19 | 29°57 | 12°14 | 12° 7 | 4°19 | 7°11 | 20° 7 | 18°53 | 23° 9 | 27°48 | 28°R 8 | 26°41 | 11°10 | 27°20 | T 11 |
| F 12 | 3 50 52 | 26°42'13 | 11♏57 | 13°41 | 13°13 | 4°56 | 7°12 | 20° 3 | 18°56 | 23°11 | 27°47 | 28° 8 | 26°38 | 11°16 | 27°18 | F 12 |
| S 13 | 3 54 49 | 27°43'09 | 24° 6 | 15° 8 | 14°19 | 5°33 | 7°13 | 19°58 | 19° 0 | 23°13 | 27°46 | 28° 5 | 26°35 | 11°23 | 27°15 | S 13 |
| S 14 | 3 58 45 | 28°44'06 | 6♐27 | 16°33 | 15°25 | 6° 9 | 7°13 | 19°54 | 19° 3 | 23°15 | 27°45 | 28° 1 | 26°32 | 11°30 | 27°13 | S 14 |
| M15 | 4 2 42 | 29°45'04 | 19° 0 | 17°58 | 16°31 | 6°46 | 7°14 | 19°49 | 19° 7 | 23°18 | 27°44 | 27°56 | 26°29 | 11°36 | 27°11 | M15 |
| T 16 | 4 6 38 | 0♐46'02 | 1♑46 | 19°22 | 17°36 | 7°22 | 7°14 | 19°45 | 19°10 | 23°20 | 27°42 | 27°50 | 26°25 | 11°43 | 27° 8 | T 16 |
| W17 | 4 10 35 | 1°47'02 | 14°44 | 20°44 | 18°41 | 7°59 | 7°R14 | 19°40 | 19°14 | 23°22 | 27°41 | 27°44 | 26°22 | 11°50 | 27° 6 | W17 |
| T 18 | 4 14 32 | 2°48'03 | 27°56 | 22° 5 | 19°46 | 8°35 | 7°14 | 19°36 | 19°17 | 23°24 | 27°40 | 27°39 | 26°19 | 11°56 | 27° 4 | T 18 |
| F 19 | 4 18 28 | 3°49'04 | 11♒20 | 23°25 | 20°50 | 9°12 | 7°13 | 19°31 | 19°21 | 23°27 | 27°39 | 27°35 | 26°16 | 12° 3 | 27° 1 | F 19 |
| S 20 | 4 22 25 | 4°50'06 | 24°58 | 24°42 | 21°54 | 9°48 | 7°13 | 19°26 | 19°24 | 23°29 | 27°38 | 27°33 | 26°13 | 12°10 | 26°59 | S 20 |
| S 21 | 4 26 21 | 5°51'08 | 8♓50 | 25°57 | 22°58 | 10°25 | 7°12 | 19°21 | 19°28 | 23°31 | 27°37 | 27°D33 | 26°10 | 12°16 | 26°57 | S 21 |
| M22 | 4 30 18 | 6°52'11 | 22°56 | 27° 9 | 24° 2 | 11° 1 | 7°11 | 19°17 | 19°31 | 23°33 | 27°36 | 27°34 | 26° 6 | 12°23 | 26°55 | M22 |
| T 23 | 4 34 14 | 7°53'14 | 7♈13 | 28°18 | 25° 5 | 11°38 | 7°10 | 19°12 | 19°35 | 23°35 | 27°35 | 27°35 | 26° 3 | 12°29 | 26°53 | T 23 |
| W24 | 4 38 11 | 8°54'18 | 21°42 | 29°23 | 26° 8 | 12°14 | 7° 8 | 19° 7 | 19°38 | 23°38 | 27°33 | 27°R36 | 26° 0 | 12°36 | 26°51 | W24 |
| T 25 | 4 42 7 | 9°55'22 | 6♉18 | 0♑24 | 27°11 | 12°50 | 7° 7 | 19° 2 | 19°42 | 23°40 | 27°32 | 27°36 | 25°57 | 12°43 | 26°49 | T 25 |
| F 26 | 4 46 4 | 10°56'27 | 20°55 | 1°20 | 28°13 | 13°27 | 7° 5 | 18°57 | 19°46 | 23°42 | 27°31 | 27°34 | 25°54 | 12°49 | 26°47 | F 26 |
| S 27 | 4 50 1 | 11°57'32 | 5♊29 | 2°11 | 29°15 | 14° 3 | 7° 3 | 18°52 | 19°49 | 23°44 | 27°30 | 27°30 | 25°51 | 12°56 | 26°45 | S 27 |
| S 28 | 4 53 57 | 12°58'38 | 19°51 | 2°55 | 0♒16 | 14°39 | 7° 1 | 18°48 | 19°53 | 23°46 | 27°29 | 27°23 | 25°47 | 13° 3 | 26°43 | S 28 |
| M29 | 4 57 54 | 13°59'45 | 3♋57 | 3°32 | 1°18 | 15°15 | 6°58 | 18°43 | 19°56 | 23°48 | 27°28 | 27°15 | 25°44 | 13° 9 | 26°42 | M29 |
| T 30 | 5 1 50 | 15♐ 0'52 | 17♋41 | 4♑ 1 | 2♒18 | 15♎51 | 6♌56 | 18♊38 | 20♐ 0 | 23♏51 | 27♉27 | 27♈ 7 | 25♈41 | 13♎16 | 26♈40 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s35 | 27n58 | 4n28 | 21s15 | 1s39 | 26s20 | 2s47 | 1n58 | 1n21 | 19n13 | 0n35 | 21n53 | 1s21 | 23s10 | 0s 8 | 16s56 | 1n41 | 8n22 | 11s44 | 10n52 | 10n32 | 2s36 | 10n49 | 0n 6 |
| T 2 | 16 52 | 28 10 | 5 0 | 21 41 | 1 44 | 26 20 | 2 48 | 1 43 | 1 21 | 19 12 | 0 35 | 21 53 | 1 21 | 23 10 | 0 8 | 16 56 | 1 41 | 8 21 | 11 44 | 10 51 | 10 31 | 2 39 | 10 48 | 0 6 |
| W 3 | 17 9 | 26 43 | 5 15 | 22 5 | 1 49 | 26 19 | 2 48 | 1 28 | 1 21 | 19 12 | 0 35 | 21 53 | 1 21 | 23 11 | 0 8 | 16 57 | 1 41 | 8 21 | 11 44 | 10 50 | 10 30 | 2 43 | 10 47 | 0 5 |
| T 4 | 17 26 | 23 54 | 5 13 | 22 28 | 1 53 | 26 18 | 2 49 | 1 13 | 1 21 | 19 11 | 0 36 | 21 53 | 1 21 | 23 11 | 0 8 | 16 57 | 1 41 | 8 21 | 11 44 | 10 49 | 10 28 | 2 46 | 10 46 | 0 5 |
| F 5 | 17 43 | 20 2 | 4 56 | 22 51 | 1 58 | 26 15 | 2 49 | 0 59 | 1 21 | 19 11 | 0 36 | 21 52 | 1 21 | 23 11 | 0 8 | 16 58 | 1 41 | 8 21 | 11 44 | 10 49 | 10 27 | 2 50 | 10 45 | 0 5 |
| S 6 | 17 59 | 15 26 | 4 26 | 23 12 | 2 2 | 26 12 | 2 49 | 0 44 | 1 21 | 19 11 | 0 36 | 21 52 | 1 21 | 23 12 | 0 8 | 16 59 | 1 41 | 8 20 | 11 44 | 10 49 | 10 26 | 2 53 | 10 44 | 0 5 |
| S 7 | 18 15 | 10 18 | 3 45 | 23 31 | 2 5 | 26 9 | 2 49 | 0 29 | 1 21 | 19 11 | 0 36 | 21 52 | 1 21 | 23 12 | 0 8 | 16 59 | 1 41 | 8 20 | 11 44 | 10 50 | 10 25 | 2 56 | 10 43 | 0 5 |
| M 8 | 18 31 | 4 52 | 2 55 | 23 50 | 2 9 | 26 5 | 2 49 | 0 15 | 1 21 | 19 10 | 0 37 | 21 51 | 1 21 | 23 12 | 0 8 | 17 0 | 1 41 | 8 20 | 11 44 | 10 50 | 10 24 | 3 0 | 10 42 | 0 5 |
| T 9 | 18 47 | 0s42 | 1 58 | 24 7 | 2 12 | 26 0 | 2 49 | 0 0 | 1 21 | 19 10 | 0 37 | 21 51 | 1 21 | 23 12 | 0 8 | 17 0 | 1 41 | 8 20 | 11 44 | 10 51 | 10 23 | 3 3 | 10 41 | 0 5 |
| W10 | 19 2 | 6 16 | 0 55 | 24 23 | 2 15 | 25 54 | 2 49 | 0s14 | 1 21 | 19 10 | 0 37 | 21 51 | 1 21 | 23 13 | 0 8 | 17 1 | 1 41 | 8 19 | 11 44 | 10 52 | 10 21 | 3 7 | 10 40 | 0 5 |
| T 11 | 19 16 | 11 40 | 0s10 | 24 38 | 2 17 | 25 48 | 2 49 | 0 29 | 1 21 | 19 10 | 0 37 | 21 51 | 1 21 | 23 13 | 0 8 | 17 1 | 1 41 | 8 19 | 11 44 | 10 52 | 10 20 | 3 10 | 10 39 | 0 5 |
| F 12 | 19 31 | 16 41 | 1 15 | 24 51 | 2 19 | 25 41 | 2 48 | 0 44 | 1 21 | 19 10 | 0 37 | 21 50 | 1 20 | 23 13 | 0 8 | 17 2 | 1 41 | 8 19 | 11 44 | 10 51 | 10 19 | 3 13 | 10 38 | 0 5 |
| S 13 | 19 45 | 21 6 | 2 18 | 25 3 | 2 21 | 25 33 | 2 47 | 0 58 | 1 21 | 19 10 | 0 38 | 21 50 | 1 20 | 23 14 | 0 8 | 17 3 | 1 41 | 8 19 | 11 44 | 10 51 | 10 18 | 3 17 | 10 37 | 0 5 |
| S 14 | 19 58 | 24 41 | 3 15 | 25 13 | 2 22 | 25 25 | 2 46 | 1 13 | 1 21 | 19 10 | 0 38 | 21 50 | 1 20 | 23 14 | 0 8 | 17 3 | 1 41 | 8 19 | 11 44 | 10 49 | 10 17 | 3 20 | 10 36 | 0 5 |
| M15 | 20 12 | 27 8 | 4 3 | 25 22 | 2 22 | 25 16 | 2 45 | 1 27 | 1 21 | 19 10 | 0 38 | 21 49 | 1 20 | 23 14 | 0 8 | 17 4 | 1 41 | 8 18 | 11 44 | 10 47 | 10 16 | 3 24 | 10 35 | 0 4 |
| T 16 | 20 24 | 28 12 | 4 40 | 25 30 | 2 23 | 25 6 | 2 44 | 1 42 | 1 21 | 19 10 | 0 38 | 21 49 | 1 20 | 23 14 | 0 8 | 17 4 | 1 41 | 8 18 | 11 44 | 10 45 | 10 15 | 3 27 | 10 34 | 0 4 |
| W17 | 20 37 | 27 46 | 5 3 | 25 35 | 2 22 | 24 56 | 2 43 | 1 56 | 1 21 | 19 10 | 0 39 | 21 49 | 1 20 | 23 15 | 0 8 | 17 5 | 1 41 | 8 18 | 11 44 | 10 43 | 10 13 | 3 30 | 10 33 | 0 4 |
| T 18 | 20 49 | 25 45 | 5 11 | 25 40 | 2 21 | 24 45 | 2 42 | 2 11 | 1 21 | 19 11 | 0 39 | 21 49 | 1 20 | 23 15 | 0 8 | 17 5 | 1 41 | 8 18 | 11 43 | 10 41 | 10 12 | 3 34 | 10 32 | 0 4 |
| F 19 | 21 1 | 22 18 | 5 3 | 25 42 | 2 19 | 24 34 | 2 40 | 2 25 | 1 21 | 19 11 | 0 39 | 21 48 | 1 20 | 23 15 | 0 8 | 17 6 | 1 41 | 8 18 | 11 43 | 10 40 | 10 11 | 3 37 | 10 31 | 0 4 |
| S 20 | 21 12 | 17 36 | 4 37 | 25 44 | 2 17 | 24 22 | 2 38 | 2 39 | 1 21 | 19 11 | 0 39 | 21 48 | 1 20 | 23 16 | 0 8 | 17 6 | 1 41 | 8 18 | 11 43 | 10 39 | 10 10 | 3 41 | 10 31 | 0 4 |
| S 21 | 21 23 | 11 55 | 3 54 | 25 43 | 2 14 | 24 9 | 2 36 | 2 54 | 1 21 | 19 12 | 0 40 | 21 48 | 1 20 | 23 16 | 0 8 | 17 7 | 1 41 | 8 17 | 11 43 | 10 39 | 10 9 | 3 44 | 10 30 | 0 4 |
| M22 | 21 34 | 5 32 | 2 57 | 25 41 | 2 10 | 23 56 | 2 34 | 3 8 | 1 21 | 19 12 | 0 40 | 21 47 | 1 20 | 23 16 | 0 8 | 17 8 | 1 41 | 8 17 | 11 43 | 10 39 | 10 8 | 3 47 | 10 29 | 0 4 |
| T 23 | 21 44 | 1n13 | 1 49 | 25 38 | 2 5 | 23 42 | 2 32 | 3 22 | 1 21 | 19 13 | 0 40 | 21 47 | 1 20 | 23 16 | 0 8 | 17 8 | 1 41 | 8 17 | 11 43 | 10 40 | 10 6 | 3 51 | 10 28 | 0 4 |
| W24 | 21 53 | 8 0 | 0 32 | 25 33 | 2 0 | 23 28 | 2 30 | 3 37 | 1 21 | 19 13 | 0 40 | 21 47 | 1 20 | 23 17 | 0 8 | 17 9 | 1 41 | 8 17 | 11 43 | 10 40 | 10 5 | 3 54 | 10 27 | 0 4 |
| T 25 | 22 3 | 14 25 | 0n47 | 25 26 | 1 53 | 23 13 | 2 27 | 3 51 | 1 21 | 19 14 | 0 40 | 21 46 | 1 20 | 23 17 | 0 8 | 17 9 | 1 41 | 8 17 | 11 43 | 10 40 | 10 4 | 3 57 | 10 26 | 0 4 |
| F 26 | 22 11 | 20 3 | 2 3 | 25 18 | 1 45 | 22 58 | 2 24 | 4 5 | 1 21 | 19 15 | 0 41 | 21 46 | 1 20 | 23 17 | 0 8 | 17 10 | 1 41 | 8 17 | 11 43 | 10 39 | 10 3 | 4 1 | 10 26 | 0 4 |
| S 27 | 22 20 | 24 26 | 3 10 | 25 8 | 1 36 | 22 42 | 2 21 | 4 19 | 1 21 | 19 15 | 0 41 | 21 46 | 1 20 | 23 18 | 0 8 | 17 10 | 1 41 | 8 16 | 11 43 | 10 38 | 10 2 | 4 4 | 10 25 | 0 3 |
| S 28 | 22 28 | 27 14 | 4 5 | 24 57 | 1 26 | 22 26 | 2 18 | 4 33 | 1 21 | 19 16 | 0 41 | 21 45 | 1 20 | 23 18 | 0 8 | 17 11 | 1 41 | 8 16 | 11 43 | 10 35 | 10 1 | 4 8 | 10 24 | 0 3 |
| M29 | 22 35 | 28 12 | 4 43 | 24 45 | 1 15 | 22 9 | 2 15 | 4 47 | 1 21 | 19 17 | 0 41 | 21 45 | 1 19 | 23 18 | 0 8 | 17 11 | 1 41 | 8 16 | 11 43 | 10 33 | 10 0 | 4 11 | 10 23 | 0 3 |
| T 30 | 22s42 | 27n23 | 5n 4 | 24s31 | 1s 2 | 21s52 | 2s11 | 5s 1 | 1n21 | 19n18 | 0n42 | 21n45 | 1s19 | 23s18 | 0s 8 | 17s12 | 1n41 | 8n16 | 11s42 | 10n30 | 9n58 | 4s14 | 10n23 | 0n 3 |

Julian Day Number = 2140669.5, Delta T = 15m21s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'23, Lahiri = 11°59'24 Julian Calendar 1 Nov. 1148 == Greg. Calendar 8 Nov. 1148


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# ASTRODIENST EPHEMERIS for the year 1148
# geocentric

## DECEMBER 1148 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 5 47 | 16♐ 2'00 | 1♌ 0 | 4♉21 | 3♒19 | 16♎27 | 6°R53 | 18°R33 | 20♐ 4 | 23♏53 | 27°R26 | 26°R59 | 25♈38 | 13♎23 | 26°R38 | W 1 |
| T 2 | 5 9 43 | 17° 3'09 | 13°56 | 4°R31 | 4°19 | 17° 4 | 6♌50 | 18♊28 | 20° 7 | 23°55 | 27♉25 | 26♈52 | 25°35 | 13°29 | 26♈36 | T 2 |
| F 3 | 5 13 40 | 18° 4'18 | 26°29 | 4°30 | 5°18 | 17°40 | 6°47 | 18°23 | 20°11 | 23°57 | 27°24 | 26°48 | 25°31 | 13°36 | 26°35 | F 3 |
| S 4 | 5 17 36 | 19° 5'27 | 8♍43 | 4°19 | 6°17 | 18°16 | 6°44 | 18°18 | 20°14 | 23°59 | 27°23 | 26°45 | 25°28 | 13°43 | 26°33 | S 4 |
| S 5 | 5 21 33 | 20° 6'38 | 20°43 | 3°55 | 7°16 | 18°52 | 6°40 | 18°13 | 20°18 | 24° 1 | 27°21 | 26°D44 | 25°25 | 13°49 | 26°32 | S 5 |
| M 6 | 5 25 30 | 21° 7'49 | 2♎34 | 3°20 | 8°14 | 19°28 | 6°37 | 18° 8 | 20°22 | 24° 3 | 27°20 | 26°45 | 25°22 | 13°56 | 26°30 | M 6 |
| T 7 | 5 29 26 | 22° 9'00 | 14°21 | 2°33 | 9°11 | 20° 4 | 6°33 | 18° 3 | 20°25 | 24° 5 | 27°19 | 26°46 | 25°19 | 14° 3 | 26°29 | T 7 |
| W 8 | 5 33 23 | 23°10'12 | 26°10 | 1°36 | 10° 8 | 20°39 | 6°29 | 17°58 | 20°29 | 24° 7 | 27°18 | 26°R47 | 25°16 | 14° 9 | 26°28 | W 8 |
| T 9 | 5 37 19 | 24°11'25 | 8♏ 5 | 0°29 | 11° 4 | 21°15 | 6°25 | 17°53 | 20°32 | 24° 9 | 27°17 | 26°46 | 25°12 | 14°16 | 26°26 | T 9 |
| F 10 | 5 41 16 | 25°12'38 | 20°11 | 29♐15 | 12° 0 | 21°51 | 6°20 | 17°48 | 20°36 | 24°11 | 27°16 | 26°43 | 25° 9 | 14°23 | 26°25 | F 10 |
| S 11 | 5 45 12 | 26°13'51 | 2♐31 | 27°56 | 12°55 | 22°27 | 6°16 | 17°43 | 20°40 | 24°13 | 27°15 | 26°37 | 25° 6 | 14°29 | 26°24 | S 11 |
| S 12 | 5 49 9 | 27°15'04 | 15° 8 | 26°35 | 13°50 | 23° 3 | 6°11 | 17°38 | 20°43 | 24°15 | 27°14 | 26°29 | 25° 3 | 14°36 | 26°23 | S 12 |
| M13 | 5 53 5 | 28°16'18 | 28° 0 | 25°14 | 14°44 | 23°38 | 6° 6 | 17°34 | 20°47 | 24°17 | 27°13 | 26°19 | 25° 0 | 14°42 | 26°22 | M13 |
| T 14 | 5 57 2 | 29°17'31 | 11♑ 9 | 23°55 | 15°37 | 24°14 | 6° 1 | 17°29 | 20°51 | 24°19 | 27°13 | 26° 7 | 24°57 | 14°49 | 26°21 | T 14 |
| W15 | 6 0 59 | 0♑18'45 | 24°32 | 22°42 | 16°30 | 24°49 | 5°56 | 17°24 | 20°54 | 24°21 | 27°12 | 25°56 | 24°53 | 14°56 | 26°20 | W15 |
| T 16 | 6 4 55 | 1°19'58 | 8♒ 8 | 21°36 | 17°22 | 25°25 | 5°50 | 17°19 | 20°58 | 24°23 | 27°11 | 25°45 | 24°50 | 15° 2 | 26°19 | T 16 |
| F 17 | 6 8 52 | 2°21'11 | 21°52 | 20°39 | 18°13 | 26° 1 | 5°45 | 17°14 | 21° 1 | 24°25 | 27°10 | 25°37 | 24°47 | 15° 9 | 26°18 | F 17 |
| S 18 | 6 12 48 | 3°22'23 | 5♓44 | 19°51 | 19° 3 | 26°36 | 5°39 | 17°10 | 21° 5 | 24°27 | 27° 9 | 25°31 | 24°44 | 15°16 | 26°18 | S 18 |
| S 19 | 6 16 45 | 4°23'35 | 19°41 | 19°13 | 19°53 | 27°11 | 5°33 | 17° 5 | 21° 8 | 24°29 | 27° 8 | 25°28 | 24°41 | 15°22 | 26°17 | S 19 |
| M20 | 6 20 41 | 5°24'46 | 3♈43 | 18°45 | 20°41 | 27°47 | 5°27 | 17° 1 | 21°12 | 24°31 | 27° 7 | 25°D27 | 24°37 | 15°29 | 26°16 | M20 |
| T 21 | 6 24 38 | 6°25'57 | 17°48 | 18°27 | 21°29 | 28°22 | 5°21 | 16°56 | 21°15 | 24°32 | 27° 6 | 25°R27 | 24°34 | 15°36 | 26°16 | T 21 |
| W22 | 6 28 35 | 7°27'07 | 1♉57 | 18°D18 | 22°16 | 28°57 | 5°15 | 16°52 | 21°19 | 24°34 | 27° 5 | 25°27 | 24°31 | 15°42 | 26°15 | W22 |
| T 23 | 6 32 31 | 8°28'17 | 16° 7 | 18°18 | 23° 1 | 29°32 | 5° 9 | 16°47 | 21°22 | 24°36 | 27° 5 | 25°26 | 24°28 | 15°49 | 26°15 | T 23 |
| F 24 | 6 36 28 | 9°29'26 | 0♊16 | 18°27 | 23°46 | 0♏ 7 | 5° 2 | 16°43 | 21°26 | 24°38 | 27° 4 | 25°22 | 24°25 | 15°56 | 26°14 | F 24 |
| S 25 | 6 40 24 | 10°30'34 | 14°22 | 18°43 | 24°30 | 0°43 | 4°55 | 16°38 | 21°29 | 24°39 | 27° 3 | 25°15 | 24°22 | 16° 2 | 26°14 | S 25 |
| S 26 | 6 44 21 | 11°31'42 | 28°21 | 19° 7 | 25°12 | 1°18 | 4°49 | 16°34 | 21°33 | 24°41 | 27° 2 | 25° 5 | 24°18 | 16° 9 | 26°14 | S 26 |
| M27 | 6 48 17 | 12°32'49 | 12♋ 7 | 19°37 | 25°54 | 1°53 | 4°42 | 16°30 | 21°36 | 24°43 | 27° 1 | 24°53 | 24°15 | 16°16 | 26°14 | M27 |
| T 28 | 6 52 14 | 13°33'56 | 25°38 | 20°12 | 26°34 | 2°28 | 4°35 | 16°26 | 21°40 | 24°44 | 27° 1 | 24°40 | 24°12 | 16°22 | 26°13 | T 28 |
| W29 | 6 56 10 | 14°35'02 | 8♌50 | 20°53 | 27°13 | 3° 2 | 4°28 | 16°22 | 21°43 | 24°46 | 27° 0 | 24°27 | 24° 9 | 16°29 | 26°13 | W29 |
| T 30 | 7 0 7 | 15°36'08 | 21°41 | 21°38 | 27°51 | 3°37 | 4°21 | 16°18 | 21°47 | 24°48 | 26°59 | 24°16 | 24° 6 | 16°35 | 26°D13 | T 30 |
| F 31 | 7 4 4 | 16♑37'13 | 4♍13 | 22♐28 | 28♒27 | 4♏12 | 4♌13 | 16♊14 | 21♐50 | 24♏49 | 26♉58 | 24♈ 7 | 24♈ 3 | 16♎42 | 26♈13 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s49 | 25n 1 | 5n 7 | 24s17 | 0s48 | 21s35 | 2s 8 | 5s15 | 1n21 | 19n19 | 0n42 | 21n44 | 1s19 | 23s19 | 0s 8 | 17s12 | 1n41 | 8n16 | 11s42 | 10n27 | 9n57 | 4s18 | 10n22 | 0n 3 |
| T 2 | 22 55 | 21 25 | 4 54 | 24 1 | 0 33 | 21 17 | 2 4 | 5 29 | 1 21 | 19 20 | 0 42 | 21 44 | 1 19 | 23 19 | 0 8 | 17 13 | 1 41 | 8 16 | 11 42 | 10 24 | 9 56 | 4 21 | 10 21 | 0 3 |
| F 3 | 23 1 | 16 56 | 4 28 | 23 45 | 0 16 | 20 58 | 2 0 | 5 43 | 1 21 | 19 21 | 0 42 | 21 44 | 1 19 | 23 19 | 0 8 | 17 13 | 1 41 | 8 16 | 11 42 | 10 23 | 9 55 | 4 25 | 10 21 | 0 3 |
| S 4 | 23 6 | 11 53 | 3 49 | 23 28 | 0n 1 | 20 40 | 1 56 | 5 57 | 1 21 | 19 22 | 0 43 | 21 43 | 1 19 | 23 20 | 0 8 | 17 14 | 1 41 | 8 16 | 11 42 | 10 22 | 9 54 | 4 28 | 10 20 | 0 3 |
| S 5 | 23 11 | 6 28 | 3 2 | 23 10 | 0 20 | 20 20 | 1 51 | 6 11 | 1 21 | 19 23 | 0 43 | 21 43 | 1 19 | 23 20 | 0 8 | 17 14 | 1 41 | 8 16 | 11 42 | 10 21 | 9 53 | 4 31 | 10 19 | 0 3 |
| M 6 | 23 15 | 0 55 | 2 6 | 22 51 | 0 39 | 20 1 | 1 47 | 6 24 | 1 21 | 19 24 | 0 43 | 21 43 | 1 19 | 23 20 | 0 8 | 17 15 | 1 41 | 8 15 | 11 42 | 10 22 | 9 51 | 4 35 | 10 19 | 0 3 |
| T 7 | 23 19 | 4s40 | 1 6 | 22 32 | 0 59 | 19 41 | 1 42 | 6 38 | 1 21 | 19 25 | 0 43 | 21 42 | 1 19 | 23 20 | 0 8 | 17 15 | 1 41 | 8 15 | 11 42 | 10 22 | 9 50 | 4 38 | 10 18 | 0 3 |
| W 8 | 23 22 | 10 6 | 0 3 | 22 13 | 1 19 | 19 21 | 1 37 | 6 52 | 1 21 | 19 26 | 0 43 | 21 42 | 1 19 | 23 21 | 0 8 | 17 16 | 1 41 | 8 15 | 11 41 | 10 22 | 9 49 | 4 41 | 10 18 | 0 3 |
| T 9 | 23 25 | 15 13 | 1s 0 | 21 54 | 1 39 | 19 0 | 1 32 | 7 5 | 1 20 | 19 28 | 0 44 | 21 42 | 1 18 | 23 21 | 0 8 | 17 16 | 1 41 | 8 15 | 11 41 | 10 22 | 9 48 | 4 45 | 10 17 | 0 2 |
| F 10 | 23 28 | 19 50 | 2 2 | 21 36 | 1 57 | 18 39 | 1 27 | 7 19 | 1 20 | 19 29 | 0 44 | 21 41 | 1 18 | 23 21 | 0 8 | 17 17 | 1 41 | 8 15 | 11 41 | 10 21 | 9 47 | 4 48 | 10 17 | 0 2 |
| S 11 | 23 30 | 23 41 | 2 59 | 21 17 | 2 15 | 18 18 | 1 21 | 7 32 | 1 20 | 19 30 | 0 44 | 21 41 | 1 18 | 23 21 | 0 8 | 17 17 | 1 41 | 8 15 | 11 41 | 10 19 | 9 46 | 4 52 | 10 16 | 0 2 |
| S 12 | 23 31 | 26 30 | 3 48 | 21 0 | 2 30 | 17 57 | 1 15 | 7 45 | 1 20 | 19 32 | 0 44 | 21 41 | 1 18 | 23 22 | 0 8 | 17 18 | 1 41 | 8 15 | 11 41 | 10 16 | 9 44 | 4 55 | 10 16 | 0 2 |
| M13 | 23 32 | 27 59 | 4 27 | 20 44 | 2 44 | 17 35 | 1 9 | 7 59 | 1 20 | 19 33 | 0 45 | 21 40 | 1 18 | 23 22 | 0 8 | 17 18 | 1 41 | 8 15 | 11 41 | 10 12 | 9 43 | 4 58 | 10 15 | 0 2 |
| T 14 | 23 33 | 27 57 | 4 53 | 20 30 | 2 55 | 17 14 | 1 3 | 8 12 | 1 20 | 19 35 | 0 45 | 21 40 | 1 18 | 23 22 | 0 8 | 17 18 | 1 41 | 8 15 | 11 40 | 10 8 | 9 42 | 5 2 | 10 15 | 0 2 |
| W15 | 23 33 | 26 17 | 5 3 | 20 18 | 3 4 | 16 52 | 0 56 | 8 25 | 1 20 | 19 36 | 0 45 | 21 40 | 1 18 | 23 22 | 0 8 | 17 19 | 1 41 | 8 15 | 11 40 | 10 4 | 9 41 | 5 5 | 10 14 | 0 2 |
| T 16 | 23 33 | 23 5 | 4 56 | 20 7 | 3 10 | 16 30 | 0 50 | 8 38 | 1 20 | 19 38 | 0 45 | 21 39 | 1 18 | 23 23 | 0 8 | 17 19 | 1 41 | 8 15 | 11 40 | 10 0 | 9 40 | 5 9 | 10 14 | 0 2 |
| F 17 | 23 32 | 18 34 | 4 32 | 20 0 | 3 14 | 16 7 | 0 43 | 8 51 | 1 20 | 19 39 | 0 45 | 21 39 | 1 17 | 23 23 | 0 8 | 17 20 | 1 41 | 8 15 | 11 40 | 9 57 | 9 39 | 5 12 | 10 14 | 0 2 |
| S 18 | 23 31 | 13 3 | 3 52 | 19 55 | 3 15 | 15 45 | 0 36 | 9 4 | 1 19 | 19 41 | 0 46 | 21 39 | 1 17 | 23 23 | 0 8 | 17 20 | 1 41 | 8 15 | 11 40 | 9 55 | 9 37 | 5 15 | 10 13 | 0 2 |
| S 19 | 23 29 | 6 49 | 2 58 | 19 52 | 3 15 | 15 22 | 0 28 | 9 17 | 1 19 | 19 43 | 0 46 | 21 38 | 1 17 | 23 24 | 0 8 | 17 21 | 1 41 | 8 15 | 11 40 | 9 54 | 9 36 | 5 19 | 10 13 | 0 2 |
| M20 | 23 26 | 0 14 | 1 53 | 19 52 | 3 13 | 15 0 | 0 21 | 9 30 | 1 19 | 19 44 | 0 46 | 21 38 | 1 17 | 23 24 | 0 8 | 17 21 | 1 41 | 8 15 | 11 39 | 9 53 | 9 35 | 5 22 | 10 13 | 0 2 |
| T 21 | 23 24 | 6n24 | 0 41 | 19 54 | 3 9 | 14 37 | 0 13 | 9 43 | 1 19 | 19 46 | 0 46 | 21 38 | 1 17 | 23 24 | 0 8 | 17 21 | 1 41 | 8 15 | 11 39 | 9 53 | 9 34 | 5 25 | 10 12 | 0 1 |
| W22 | 23 20 | 12 45 | 0n34 | 19 58 | 3 4 | 14 14 | 0 5 | 9 55 | 1 19 | 19 48 | 0 46 | 21 38 | 1 17 | 23 24 | 0 8 | 17 22 | 1 41 | 8 15 | 11 39 | 9 53 | 9 33 | 5 29 | 10 12 | 0 1 |
| T 23 | 23 17 | 18 27 | 1 47 | 20 5 | 2 58 | 13 51 | 0n 3 | 10 8 | 1 19 | 19 49 | 0 47 | 21 37 | 1 17 | 23 24 | 0 8 | 17 22 | 1 41 | 8 15 | 11 39 | 9 53 | 9 32 | 5 32 | 10 12 | 0 1 |
| F 24 | 23 13 | 23 8 | 2 53 | 20 12 | 2 51 | 13 28 | 0 12 | 10 21 | 1 19 | 19 51 | 0 47 | 21 37 | 1 16 | 23 25 | 0 8 | 17 23 | 1 41 | 8 15 | 11 39 | 9 51 | 9 30 | 5 36 | 10 12 | 0 1 |
| S 25 | 23 8 | 26 25 | 3 48 | 20 21 | 2 44 | 13 6 | 0 21 | 10 33 | 1 18 | 19 53 | 0 47 | 21 37 | 1 16 | 23 25 | 0 8 | 17 23 | 1 41 | 8 15 | 11 38 | 9 49 | 9 29 | 5 39 | 10 12 | 0 1 |
| S 26 | 23 3 | 28 1 | 4 29 | 20 31 | 2 35 | 12 43 | 0 30 | 10 45 | 1 18 | 19 55 | 0 47 | 21 37 | 1 16 | 23 25 | 0 8 | 17 23 | 1 41 | 8 15 | 11 38 | 9 45 | 9 28 | 5 42 | 10 11 | 0 1 |
| M27 | 22 57 | 27 52 | 4 53 | 20 43 | 2 27 | 12 20 | 0 39 | 10 58 | 1 18 | 19 57 | 0 47 | 21 36 | 1 16 | 23 25 | 0 8 | 17 24 | 1 41 | 8 15 | 11 38 | 9 41 | 9 27 | 5 46 | 10 11 | 0 1 |
| T 28 | 22 51 | 26 2 | 5 1 | 20 54 | 2 17 | 11 58 | 0 48 | 11 10 | 1 18 | 19 59 | 0 48 | 21 36 | 1 16 | 23 26 | 0 8 | 17 24 | 1 41 | 8 15 | 11 38 | 9 36 | 9 26 | 5 49 | 10 11 | 0 1 |
| W29 | 22 45 | 22 49 | 4 51 | 21 6 | 2 8 | 11 35 | 0 58 | 11 22 | 1 18 | 20 0 | 0 48 | 21 36 | 1 16 | 23 26 | 0 8 | 17 25 | 1 41 | 8 15 | 11 37 | 9 31 | 9 24 | 5 52 | 10 11 | 0 1 |
| T 30 | 22 38 | 18 33 | 4 27 | 21 19 | 1 59 | 11 13 | 1 8 | 11 34 | 1 18 | 20 2 | 0 48 | 21 36 | 1 15 | 23 26 | 0 8 | 17 25 | 1 42 | 8 15 | 11 37 | 9 27 | 9 23 | 5 56 | 10 11 | 0 1 |
| F 31 | 22s31 | 13n35 | 3n51 | 21s31 | 1n49 | 10s51 | 1n18 | 11s46 | 1n17 | 20n 4 | 0n48 | 21n35 | 1s15 | 23s26 | 0s 8 | 17s25 | 1n42 | 8n15 | 11s37 | 9n24 | 9n22 | 5s59 | 10n11 | 0n 1 |

Julian Day Number = 2140699.5, Delta T = 15m21s
Ecliptic obliquity = 23°33'06, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'28, Lahiri = 11°59'28 Julian Calendar 1 Dec. 1148 == Greg. Calendar 8 Dec. 1148


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## JANUARY 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 8 0 | 17♑38'17 | 16♍28 | 23♐21 | 29♒ 2 | 4♏47 | 4°R 6 | 16°R10 | 21♐53 | 24♏51 | 26°R58 | 24°R 1 | 23♈59 | 16♎49 | 26♈13 | S 1 |
| S 2 | 7 11 57 | 18°39'21 | 28°29 | 24°18 | 29°35 | 5°21 | 3♌59 | 16♊ 6 | 21°57 | 24°52 | 26♉57 | 23♈57 | 23°56 | 16°55 | 26°14 | S 2 |
| M 3 | 7 15 53 | 19°40'25 | 10♎20 | 25°18 | 0♓ 7 | 5°56 | 3°51 | 16° 2 | 22° 0 | 24°54 | 26°56 | 23°56 | 23°53 | 17° 2 | 26°14 | M 3 |
| T 4 | 7 19 50 | 20°41'28 | 22° 8 | 26°21 | 0°38 | 6°30 | 3°43 | 15°59 | 22° 3 | 24°55 | 26°56 | 23°56 | 23°50 | 17° 9 | 26°14 | T 4 |
| W 5 | 7 23 46 | 21°42'30 | 3♏57 | 27°27 | 1° 7 | 7° 5 | 3°36 | 15°55 | 22° 7 | 24°57 | 26°55 | 23°55 | 23°47 | 17°15 | 26°14 | W 5 |
| T 6 | 7 27 43 | 22°43'32 | 15°53 | 28°34 | 1°34 | 7°39 | 3°28 | 15°52 | 22°10 | 24°58 | 26°55 | 23°54 | 23°43 | 17°22 | 26°15 | T 6 |
| F 7 | 7 31 39 | 23°44'33 | 28° 2 | 29°44 | 1°59 | 8°14 | 3°20 | 15°48 | 22°13 | 25° 0 | 26°54 | 23°51 | 23°40 | 17°29 | 26°15 | F 7 |
| S 8 | 7 35 36 | 24°45'34 | 10♐28 | 0♑56 | 2°23 | 8°48 | 3°13 | 15°45 | 22°16 | 25° 1 | 26°54 | 23°45 | 23°37 | 17°35 | 26°16 | S 8 |
| S 9 | 7 39 33 | 25°46'34 | 23°14 | 2° 9 | 2°45 | 9°22 | 3° 5 | 15°42 | 22°19 | 25° 2 | 26°53 | 23°36 | 23°34 | 17°42 | 26°16 | S 9 |
| M10 | 7 43 29 | 26°47'33 | 6♑21 | 3°24 | 3° 4 | 9°56 | 2°57 | 15°39 | 22°23 | 25° 4 | 26°52 | 23°24 | 23°31 | 17°49 | 26°17 | M10 |
| T 11 | 7 47 26 | 27°48'31 | 19°50 | 4°41 | 3°22 | 10°30 | 2°49 | 15°36 | 22°26 | 25° 5 | 26°52 | 23°11 | 23°28 | 17°55 | 26°18 | T 11 |
| W12 | 7 51 22 | 28°49'28 | 3♒38 | 5°59 | 3°38 | 11° 4 | 2°41 | 15°33 | 22°29 | 25° 6 | 26°52 | 22°58 | 23°24 | 18° 2 | 26°19 | W12 |
| T 13 | 7 55 19 | 29°50'24 | 17°40 | 7°19 | 3°52 | 11°38 | 2°33 | 15°30 | 22°32 | 25° 7 | 26°51 | 22°46 | 23°21 | 18° 9 | 26°19 | T 13 |
| F 14 | 7 59 15 | 0♒51'18 | 1♓52 | 8°39 | 4° 3 | 12°12 | 2°25 | 15°27 | 22°35 | 25° 9 | 26°51 | 22°36 | 23°18 | 18°15 | 26°20 | F 14 |
| S 15 | 8 3 12 | 1°52'12 | 16° 9 | 10° 1 | 4°12 | 12°45 | 2°17 | 15°25 | 22°38 | 25°10 | 26°50 | 22°29 | 23°15 | 18°22 | 26°21 | S 15 |
| S 16 | 8 7 8 | 2°53'03 | 0♈26 | 11°24 | 4°19 | 13°19 | 2° 9 | 15°22 | 22°41 | 25°11 | 26°50 | 22°25 | 23°12 | 18°28 | 26°22 | S 16 |
| M17 | 8 11 5 | 3°53'53 | 14°39 | 12°48 | 4°24 | 13°52 | 2° 1 | 15°20 | 22°44 | 25°12 | 26°49 | 22°24 | 23° 9 | 18°35 | 26°23 | M17 |
| T 18 | 8 15 2 | 4°54'42 | 28°48 | 14°13 | 4°R26 | 14°26 | 1°53 | 15°17 | 22°47 | 25°13 | 26°49 | 22°24 | 23° 5 | 18°42 | 26°24 | T 18 |
| W19 | 8 18 58 | 5°55'29 | 12♉50 | 15°39 | 4°25 | 14°59 | 1°45 | 15°15 | 22°50 | 25°14 | 26°49 | 22°24 | 23° 2 | 18°48 | 26°26 | W19 |
| T 20 | 8 22 55 | 6°56'15 | 26°45 | 17° 6 | 4°22 | 15°32 | 1°37 | 15°13 | 22°53 | 25°15 | 26°48 | 22°22 | 22°59 | 18°55 | 26°27 | T 20 |
| F 21 | 8 26 51 | 7°56'59 | 10♊33 | 18°34 | 4°17 | 16° 6 | 1°29 | 15°11 | 22°55 | 25°16 | 26°48 | 22°19 | 22°56 | 19° 2 | 26°28 | F 21 |
| S 22 | 8 30 48 | 8°57'41 | 24°14 | 20° 3 | 4° 9 | 16°39 | 1°21 | 15° 9 | 22°58 | 25°17 | 26°48 | 22°12 | 22°53 | 19° 8 | 26°30 | S 22 |
| S 23 | 8 34 44 | 9°58'22 | 7♋45 | 21°32 | 3°58 | 17°12 | 1°13 | 15° 7 | 23° 1 | 25°18 | 26°48 | 22° 3 | 22°49 | 19°15 | 26°31 | S 23 |
| M24 | 8 38 41 | 10°59'01 | 21° 6 | 23° 3 | 3°45 | 17°44 | 1° 6 | 15° 5 | 23° 4 | 25°19 | 26°47 | 21°51 | 22°46 | 19°22 | 26°32 | M24 |
| T 25 | 8 42 38 | 11°59'38 | 4♌14 | 24°35 | 3°30 | 18°17 | 0°58 | 15° 4 | 23° 6 | 25°20 | 26°47 | 21°39 | 22°43 | 19°28 | 26°34 | T 25 |
| W26 | 8 46 34 | 13° 0'14 | 17° 8 | 26° 7 | 3°11 | 18°50 | 0°50 | 15° 2 | 23° 9 | 25°20 | 26°47 | 21°26 | 22°40 | 19°35 | 26°35 | W26 |
| T 27 | 8 50 31 | 14° 0'48 | 29°47 | 27°40 | 2°51 | 19°23 | 0°43 | 15° 1 | 23°12 | 25°21 | 26°47 | 21°16 | 22°37 | 19°42 | 26°37 | T 27 |
| F 28 | 8 54 27 | 15° 1'21 | 12♍11 | 29°15 | 2°28 | 19°55 | 0°35 | 15° 0 | 23°14 | 25°22 | 26°47 | 21° 7 | 22°34 | 19°48 | 26°39 | F 28 |
| S 29 | 8 58 24 | 16° 1'52 | 24°21 | 0♒50 | 2° 3 | 20°27 | 0°28 | 14°58 | 23°17 | 25°23 | 26°47 | 21° 1 | 22°30 | 19°55 | 26°41 | S 29 |
| S 30 | 9 2 20 | 17° 2'22 | 6♎19 | 2°26 | 1°36 | 21° 0 | 0°20 | 14°57 | 23°19 | 25°23 | 26°47 | 20°57 | 22°27 | 20° 1 | 26°42 | S 30 |
| M31 | 9 6 17 | 18♒ 2'51 | 18♎10 | 4♒ 3 | 1♓ 7 | 21♏32 | 0♌13 | 14♊56 | 23♐22 | 25♏24 | 26♉47 | 20°D56 | 22♈24 | 20♎ 8 | 26♈44 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s23 | 8n12 | 3n 4 | 21s44 | 1n39 | 10s29 | 1n29 | 11s58 | 1n17 | 20n 6 | 0n48 | 21n35 | 1s15 | 23s27 | 0s 8 | 17s26 | 1n42 | 8n15 | 11s37 | 9n21 | 9n21 | 6s 3 | 10n11 | 0n 1 | S 1 |
| S 2 | 22 15 | 2 36 | 2 10 | 21 56 | 1 30 | 10 7 | 1 39 | 12 10 | 1 17 | 20 8 | 0 48 | 21 35 | 1 15 | 23 27 | 0 8 | 17 26 | 1 42 | 8 15 | 11 37 | 9 20 | 9 20 | 6 6 | 10 11 | 0 1 | S 2 |
| M 3 | 22 6 | 3s 1 | 1 11 | 22 8 | 1 20 | 9 46 | 1 50 | 12 21 | 1 17 | 20 10 | 0 49 | 21 35 | 1 15 | 23 27 | 0 8 | 17 26 | 1 42 | 8 16 | 11 36 | 9 20 | 9 19 | 6 9 | 10 11 | 0 0 | M 3 |
| T 4 | 21 57 | 8 31 | 0 10 | 22 20 | 1 10 | 9 24 | 2 2 | 12 33 | 1 16 | 20 12 | 0 49 | 21 34 | 1 15 | 23 27 | 0 8 | 17 26 | 1 42 | 8 16 | 11 36 | 9 20 | 9 17 | 6 13 | 10 11 | 0 0 | T 4 |
| W 5 | 21 48 | 13 43 | 0s53 | 22 31 | 1 1 | 9 3 | 2 13 | 12 45 | 1 16 | 20 14 | 0 49 | 21 34 | 1 14 | 23 27 | 0 8 | 17 27 | 1 42 | 8 16 | 11 36 | 9 20 | 9 16 | 6 16 | 10 11 | 0 0 | W 5 |
| T 6 | 21 38 | 18 29 | 1 54 | 22 41 | 0 51 | 8 43 | 2 25 | 12 56 | 1 16 | 20 16 | 0 49 | 21 34 | 1 14 | 23 28 | 0 8 | 17 27 | 1 42 | 8 16 | 11 36 | 9 19 | 9 15 | 6 19 | 10 11 | 0 0 | T 6 |
| F 7 | 21 27 | 22 35 | 2 50 | 22 51 | 0 42 | 8 23 | 2 37 | 13 7 | 1 16 | 20 18 | 0 49 | 21 34 | 1 14 | 23 28 | 0 8 | 17 27 | 1 42 | 8 16 | 11 35 | 9 18 | 9 14 | 6 23 | 10 11 | 0 0 | F 7 |
| S 8 | 21 17 | 25 45 | 3 40 | 23 0 | 0 33 | 8 3 | 2 49 | 13 19 | 1 15 | 20 20 | 0 49 | 21 34 | 1 14 | 23 28 | 0 9 | 17 28 | 1 42 | 8 16 | 11 35 | 9 15 | 9 13 | 6 26 | 10 11 | 0 0 | S 8 |
| S 9 | 21 5 | 27 42 | 4 20 | 23 8 | 0 24 | 7 44 | 3 1 | 13 30 | 1 15 | 20 22 | 0 49 | 21 34 | 1 14 | 23 28 | 0 9 | 17 28 | 1 42 | 8 16 | 11 35 | 9 12 | 9 12 | 6 29 | 10 11 | 0s 0 | S 9 |
| M10 | 20 54 | 28 11 | 4 47 | 23 15 | 0 15 | 7 25 | 3 14 | 13 41 | 1 15 | 20 24 | 0 50 | 21 34 | 1 13 | 23 28 | 0 9 | 17 28 | 1 42 | 8 16 | 11 35 | 9 8 | 9 10 | 6 33 | 10 11 | 0 0 | M10 |
| T 11 | 20 42 | 27 1 | 5 0 | 23 21 | 0 7 | 7 7 | 3 26 | 13 52 | 1 15 | 20 26 | 0 50 | 21 33 | 1 13 | 23 29 | 0 9 | 17 28 | 1 42 | 8 16 | 11 34 | 9 3 | 9 9 | 6 36 | 10 12 | 0 0 | T 11 |
| W12 | 20 30 | 24 13 | 4 55 | 23 27 | 0s 2 | 6 49 | 3 39 | 14 3 | 1 14 | 20 28 | 0 50 | 21 33 | 1 13 | 23 29 | 0 9 | 17 29 | 1 42 | 8 17 | 11 34 | 8 58 | 9 8 | 6 39 | 10 12 | 0 0 | W12 |
| T 13 | 20 17 | 19 56 | 4 33 | 23 31 | 0 10 | 6 32 | 3 52 | 14 13 | 1 14 | 20 30 | 0 50 | 21 33 | 1 13 | 23 29 | 0 9 | 17 29 | 1 42 | 8 17 | 11 34 | 8 54 | 9 7 | 6 43 | 10 12 | 0 0 | T 13 |
| F 14 | 20 4 | 14 29 | 3 53 | 23 34 | 0 18 | 6 15 | 4 6 | 14 24 | 1 14 | 20 32 | 0 50 | 21 33 | 1 13 | 23 29 | 0 9 | 17 29 | 1 42 | 8 17 | 11 34 | 8 50 | 9 6 | 6 46 | 10 12 | 0 0 | F 14 |
| S 15 | 19 50 | 8 14 | 2 59 | 23 36 | 0 26 | 6 0 | 4 19 | 14 35 | 1 13 | 20 34 | 0 50 | 21 33 | 1 12 | 23 29 | 0 9 | 17 29 | 1 42 | 8 17 | 11 33 | 8 47 | 9 4 | 6 50 | 10 13 | 0 0 | S 15 |
| S 16 | 19 36 | 1 34 | 1 53 | 23 37 | 0 33 | 5 45 | 4 32 | 14 45 | 1 13 | 20 36 | 0 50 | 21 33 | 1 12 | 23 30 | 0 9 | 17 30 | 1 42 | 8 17 | 11 33 | 8 46 | 9 3 | 6 53 | 10 13 | 0 1 | S 16 |
| M17 | 19 22 | 5n11 | 0 41 | 23 36 | 0 41 | 5 30 | 4 46 | 14 55 | 1 13 | 20 37 | 0 51 | 21 33 | 1 12 | 23 30 | 0 9 | 17 30 | 1 42 | 8 17 | 11 33 | 8 45 | 9 2 | 6 56 | 10 13 | 0 1 | M17 |
| T 18 | 19 8 | 11 37 | 0n34 | 23 35 | 0 48 | 5 17 | 5 0 | 15 6 | 1 12 | 20 39 | 0 51 | 21 33 | 1 12 | 23 30 | 0 9 | 17 30 | 1 42 | 8 18 | 11 32 | 8 45 | 9 1 | 7 0 | 10 14 | 0 1 | T 18 |
| W19 | 18 53 | 17 27 | 1 46 | 23 32 | 0 55 | 5 4 | 5 13 | 15 16 | 1 12 | 20 41 | 0 51 | 21 33 | 1 12 | 23 30 | 0 9 | 17 30 | 1 42 | 8 18 | 11 32 | 8 45 | 9 0 | 7 3 | 10 14 | 0 1 | W19 |
| T 20 | 18 38 | 22 18 | 2 51 | 23 28 | 1 1 | 4 53 | 5 27 | 15 26 | 1 11 | 20 43 | 0 51 | 21 33 | 1 11 | 23 30 | 0 9 | 17 30 | 1 42 | 8 18 | 11 32 | 8 45 | 8 59 | 7 6 | 10 14 | 0 1 | T 20 |
| F 21 | 18 22 | 25 52 | 3 46 | 23 22 | 1 7 | 4 42 | 5 40 | 15 36 | 1 11 | 20 45 | 0 51 | 21 33 | 1 11 | 23 30 | 0 9 | 17 31 | 1 43 | 8 18 | 11 32 | 8 43 | 8 57 | 7 10 | 10 15 | 0 1 | F 21 |
| S 22 | 18 6 | 27 52 | 4 27 | 23 15 | 1 13 | 4 32 | 5 54 | 15 46 | 1 11 | 20 47 | 0 51 | 21 33 | 1 11 | 23 31 | 0 9 | 17 31 | 1 43 | 8 18 | 11 31 | 8 41 | 8 56 | 7 13 | 10 15 | 0 1 | S 22 |
| S 23 | 17 50 | 28 11 | 4 52 | 23 7 | 1 19 | 4 24 | 6 7 | 15 55 | 1 10 | 20 49 | 0 51 | 21 33 | 1 11 | 23 31 | 0 9 | 17 31 | 1 43 | 8 19 | 11 31 | 8 38 | 8 55 | 7 16 | 10 16 | 0 1 | S 23 |
| M24 | 17 33 | 26 51 | 5 2 | 22 58 | 1 25 | 4 16 | 6 20 | 16 5 | 1 10 | 20 50 | 0 51 | 21 33 | 1 11 | 23 31 | 0 9 | 17 31 | 1 43 | 8 19 | 11 31 | 8 33 | 8 54 | 7 20 | 10 16 | 0 1 | M24 |
| T 25 | 17 17 | 24 3 | 4 54 | 22 47 | 1 30 | 4 10 | 6 33 | 16 15 | 1 9 | 20 52 | 0 51 | 21 33 | 1 10 | 23 31 | 0 9 | 17 31 | 1 43 | 8 19 | 11 31 | 8 29 | 8 53 | 7 23 | 10 16 | 0 1 | T 25 |
| W26 | 16 59 | 20 5 | 4 32 | 22 34 | 1 35 | 4 4 | 6 46 | 16 24 | 1 9 | 20 54 | 0 51 | 21 33 | 1 10 | 23 31 | 0 9 | 17 31 | 1 43 | 8 19 | 11 30 | 8 24 | 8 51 | 7 26 | 10 17 | 0 1 | W26 |
| T 27 | 16 42 | 15 18 | 3 57 | 22 21 | 1 39 | 4 0 | 6 58 | 16 33 | 1 9 | 20 56 | 0 51 | 21 33 | 1 10 | 23 31 | 0 9 | 17 32 | 1 43 | 8 20 | 11 30 | 8 20 | 8 50 | 7 30 | 10 18 | 0 1 | T 27 |
| F 28 | 16 24 | 9 58 | 3 11 | 22 5 | 1 43 | 3 57 | 7 10 | 16 43 | 1 8 | 20 58 | 0 52 | 21 33 | 1 10 | 23 31 | 0 9 | 17 32 | 1 43 | 8 20 | 11 30 | 8 16 | 8 49 | 7 33 | 10 18 | 0 1 | F 28 |
| S 29 | 16 6 | 4 21 | 2 17 | 21 49 | 1 47 | 3 55 | 7 21 | 16 52 | 1 8 | 20 59 | 0 52 | 21 33 | 1 9 | 23 32 | 0 9 | 17 32 | 1 43 | 8 20 | 11 29 | 8 14 | 8 48 | 7 36 | 10 19 | 0 2 | S 29 |
| S 30 | 15 48 | 1s20 | 1 17 | 21 31 | 1 51 | 3 55 | 7 32 | 17 1 | 1 7 | 21 1 | 0 52 | 21 33 | 1 9 | 23 32 | 0 9 | 17 32 | 1 43 | 8 20 | 11 29 | 8 13 | 8 47 | 7 40 | 10 19 | 0 2 | S 30 |
| M31 | 15s30 | 6s56 | 0n15 | 21s11 | 1s54 | 3s55 | 7n42 | 17s10 | 1n 7 | 21n 3 | 0n52 | 21n33 | 1s 9 | 23s32 | 0s 9 | 17s32 | 1n43 | 8n21 | 11s29 | 8n12 | 8n46 | 7s43 | 10n20 | 0s 2 | M31 |

Julian Day Number = 2140730.5, Delta T = 15m21s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'32, Lahiri = 11°59'32 Julian Calendar 1 Jan. 1149 == Greg. Calendar 8 Jan. 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## FEBRUARY 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 10 13 | 19♒ 3'18 | 29♎57 | 5♒40 | 0°R36 | 22♏ 4 | 0°R 6 | 14°R56 | 23♐24 | 25♏25 | 26°R47 | 20♈56 | 22♈21 | 20♎15 | 26♈46 | T 1 |
| W 2 | 9 14 10 | 20° 3'43 | 11♏46 | 7°19 | 0♓ 4 | 22°36 | 29♋59 | 14♊55 | 23°27 | 25°25 | 26♉46 | 20°57 | 22°18 | 20°21 | 26°48 | W 2 |
| T 3 | 9 18 6 | 21° 4'08 | 23°42 | 8°59 | 29♒30 | 23° 8 | 29°52 | 14°54 | 23°29 | 25°26 | 26°D46 | 20°R57 | 22°15 | 20°28 | 26°50 | T 3 |
| F 4 | 9 22 3 | 22° 4'31 | 5♐50 | 10°40 | 28°55 | 23°39 | 29°45 | 14°54 | 23°31 | 25°26 | 26°46 | 20°56 | 22°11 | 20°35 | 26°52 | F 4 |
| S 5 | 9 26 0 | 23° 4'52 | 18°16 | 12°21 | 28°19 | 24°11 | 29°38 | 14°53 | 23°33 | 25°27 | 26°47 | 20°53 | 22° 8 | 20°41 | 26°54 | S 5 |
| S 6 | 9 29 56 | 24° 5'12 | 1♑ 4 | 14° 4 | 27°42 | 24°42 | 29°31 | 14°53 | 23°36 | 25°27 | 26°47 | 20°47 | 22° 5 | 20°48 | 26°56 | S 6 |
| M 7 | 9 33 53 | 25° 5'31 | 14°16 | 15°48 | 27° 5 | 25°14 | 29°24 | 14°53 | 23°38 | 25°28 | 26°47 | 20°40 | 22° 2 | 20°55 | 26°59 | M 7 |
| T 8 | 9 37 49 | 26° 5'48 | 27°54 | 17°32 | 26°27 | 25°45 | 29°18 | 14°D53 | 23°40 | 25°28 | 26°47 | 20°31 | 21°59 | 21° 1 | 27° 1 | T 8 |
| W 9 | 9 41 46 | 27° 6'03 | 11♒56 | 19°18 | 25°49 | 26°16 | 29°12 | 14°53 | 23°42 | 25°28 | 26°47 | 20°22 | 21°55 | 21° 8 | 27° 3 | W 9 |
| T 10 | 9 45 42 | 28° 6'16 | 26°19 | 21° 5 | 25°12 | 26°47 | 29° 5 | 14°53 | 23°44 | 25°29 | 26°47 | 20°13 | 21°52 | 21°15 | 27° 5 | T 10 |
| F 11 | 9 49 39 | 29° 6'27 | 10♓55 | 22°53 | 24°35 | 27°18 | 28°59 | 14°53 | 23°46 | 25°29 | 26°47 | 20° 6 | 21°49 | 21°21 | 27° 8 | F 11 |
| S 12 | 9 53 36 | 0♓ 6'37 | 25°39 | 24°41 | 23°59 | 27°48 | 28°53 | 14°54 | 23°48 | 25°29 | 26°47 | 20° 1 | 21°46 | 21°28 | 27°10 | S 12 |
| S 13 | 9 57 32 | 1° 6'44 | 10♈22 | 26°31 | 23°24 | 28°19 | 28°48 | 14°54 | 23°50 | 25°29 | 26°48 | 19°59 | 21°43 | 21°35 | 27°13 | S 13 |
| M14 | 10 1 29 | 2° 6'50 | 24°58 | 28°22 | 22°50 | 28°49 | 28°42 | 14°55 | 23°52 | 25°30 | 26°48 | 19°D59 | 21°40 | 21°41 | 27°15 | M14 |
| T 15 | 10 5 25 | 3° 6'53 | 9♉23 | 0♓14 | 22°18 | 29°19 | 28°36 | 14°56 | 23°54 | 25°30 | 26°48 | 20° 0 | 21°36 | 21°48 | 27°18 | T 15 |
| W16 | 10 9 22 | 4° 6'54 | 23°33 | 2° 7 | 21°47 | 29°49 | 28°31 | 14°57 | 23°55 | 25°30 | 26°48 | 20° 1 | 21°33 | 21°54 | 27°20 | W16 |
| T 17 | 10 13 18 | 5° 6'53 | 7♊29 | 4° 1 | 21°18 | 0♐19 | 28°26 | 14°58 | 23°57 | 25°30 | 26°49 | 20°R 1 | 21°30 | 22° 1 | 27°23 | T 17 |
| F 18 | 10 17 15 | 6° 6'49 | 21° 9 | 5°56 | 20°51 | 0°48 | 28°21 | 14°59 | 23°59 | 25°30 | 26°49 | 20° 0 | 21°27 | 22° 8 | 27°26 | F 18 |
| S 19 | 10 21 11 | 7° 6'44 | 4♋35 | 7°52 | 20°26 | 1°18 | 28°16 | 15° 0 | 24° 1 | 25°R30 | 26°49 | 19°57 | 21°24 | 22°14 | 27°29 | S 19 |
| S 20 | 10 25 8 | 8° 6'36 | 17°46 | 9°49 | 20° 3 | 1°47 | 28°11 | 15° 1 | 24° 2 | 25°30 | 26°50 | 19°52 | 21°21 | 22°21 | 27°31 | S 20 |
| M21 | 10 29 5 | 9° 6'26 | 0♌45 | 11°46 | 19°42 | 2°16 | 28° 7 | 15° 3 | 24° 4 | 25°30 | 26°50 | 19°46 | 21°17 | 22°28 | 27°34 | M21 |
| T 22 | 10 33 1 | 10° 6'14 | 13°30 | 13°44 | 19°24 | 2°45 | 28° 2 | 15° 4 | 24° 5 | 25°30 | 26°51 | 19°39 | 21°14 | 22°34 | 27°37 | T 22 |
| W23 | 10 36 58 | 11° 5'59 | 26° 4 | 15°43 | 19° 8 | 3°14 | 27°58 | 15° 6 | 24° 7 | 25°30 | 26°51 | 19°31 | 21°11 | 22°41 | 27°40 | W23 |
| T 24 | 10 40 54 | 12° 5'42 | 8♍26 | 17°42 | 18°55 | 3°43 | 27°54 | 15° 8 | 24° 8 | 25°30 | 26°51 | 19°25 | 21° 8 | 22°48 | 27°43 | T 24 |
| F 25 | 10 44 51 | 13° 5'24 | 20°37 | 19°41 | 18°44 | 4°11 | 27°50 | 15° 9 | 24° 9 | 25°29 | 26°52 | 19°20 | 21° 5 | 22°54 | 27°46 | F 25 |
| S 26 | 10 48 47 | 14° 5'03 | 2♎38 | 21°40 | 18°35 | 4°39 | 27°46 | 15°11 | 24°11 | 25°29 | 26°52 | 19°17 | 21° 1 | 23° 1 | 27°49 | S 26 |
| S 27 | 10 52 44 | 15° 4'40 | 14°32 | 23°39 | 18°29 | 5° 7 | 27°43 | 15°13 | 24°12 | 25°29 | 26°53 | 19°D15 | 20°58 | 23° 8 | 27°52 | S 27 |
| M28 | 10 56 40 | 16♓ 4'15 | 26♎21 | 25♓38 | 18♒25 | 5♐35 | 27♋40 | 15♊16 | 24♐13 | 25♏29 | 26♉54 | 19♈16 | 20♈55 | 23♎14 | 27♈55 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s11 | 12s16 | 0s48 | 20s50 | 1s57 | 3s57 | 7n52 | 17s18 | 1n 6 | 21n 4 | 0n52 | 21n33 | 1s 9 | 23s32 | 0s 9 | 17s32 | 1n43 | 8n21 | 11s29 | 8n13 | 8n44 | 7s46 | 10n20 | 0s 2 |
| W 2 | 14 52 | 17 10 | 1 49 | 20 27 | 2 0 | 4 0 | 8 1 | 17 27 | 1 6 | 21 6 | 0 52 | 21 33 | 1 9 | 23 32 | 0 9 | 17 32 | 1 43 | 8 21 | 11 28 | 8 13 | 8 43 | 7 50 | 10 21 | 0 2 |
| T 3 | 14 33 | 21 28 | 2 46 | 20 3 | 2 2 | 4 4 | 8 9 | 17 36 | 1 5 | 21 7 | 0 52 | 21 34 | 1 8 | 23 32 | 0 9 | 17 32 | 1 43 | 8 21 | 11 28 | 8 13 | 8 42 | 7 53 | 10 22 | 0 2 |
| F 4 | 14 13 | 24 56 | 3 37 | 19 37 | 2 3 | 4 9 | 8 16 | 17 44 | 1 4 | 21 9 | 0 52 | 21 34 | 1 8 | 23 32 | 0 9 | 17 32 | 1 43 | 8 22 | 11 28 | 8 12 | 8 41 | 7 56 | 10 22 | 0 2 |
| S 5 | 13 53 | 27 19 | 4 18 | 19 10 | 2 5 | 4 15 | 8 23 | 17 52 | 1 4 | 21 10 | 0 52 | 21 34 | 1 8 | 23 33 | 0 9 | 17 32 | 1 43 | 8 22 | 11 28 | 8 11 | 8 40 | 8 0 | 10 23 | 0 2 |
| S 6 | 13 33 | 28 21 | 4 48 | 18 41 | 2 6 | 4 22 | 8 28 | 18 1 | 1 3 | 21 12 | 0 52 | 21 34 | 1 8 | 23 33 | 0 9 | 17 33 | 1 43 | 8 22 | 11 27 | 8 9 | 8 38 | 8 3 | 10 24 | 0 2 |
| M 7 | 13 13 | 27 49 | 5 4 | 18 11 | 2 6 | 4 30 | 8 33 | 18 9 | 1 3 | 21 13 | 0 52 | 21 34 | 1 8 | 23 33 | 0 9 | 17 33 | 1 43 | 8 23 | 11 27 | 8 6 | 8 37 | 8 6 | 10 25 | 0 2 |
| T 8 | 12 53 | 25 38 | 5 3 | 17 39 | 2 6 | 4 39 | 8 36 | 18 17 | 1 2 | 21 15 | 0 52 | 21 35 | 1 7 | 23 33 | 0 9 | 17 33 | 1 44 | 8 23 | 11 27 | 8 3 | 8 36 | 8 10 | 10 25 | 0 2 |
| W 9 | 12 32 | 21 51 | 4 45 | 17 6 | 2 6 | 4 49 | 8 39 | 18 25 | 1 1 | 21 16 | 0 52 | 21 35 | 1 7 | 23 33 | 0 9 | 17 33 | 1 44 | 8 23 | 11 26 | 7 59 | 8 35 | 8 13 | 10 26 | 0 2 |
| T 10 | 12 11 | 16 41 | 4 8 | 16 31 | 2 5 | 5 0 | 8 41 | 18 33 | 1 1 | 21 17 | 0 52 | 21 35 | 1 7 | 23 33 | 0 9 | 17 33 | 1 44 | 8 23 | 11 26 | 7 56 | 8 34 | 8 16 | 10 27 | 0 2 |
| F 11 | 11 50 | 10 30 | 3 14 | 15 54 | 2 4 | 5 11 | 8 41 | 18 40 | 1 0 | 21 19 | 0 52 | 21 35 | 1 7 | 23 33 | 0 9 | 17 33 | 1 44 | 8 24 | 11 26 | 7 54 | 8 32 | 8 20 | 10 28 | 0 3 |
| S 12 | 11 29 | 3 41 | 2 7 | 15 16 | 2 2 | 5 23 | 8 41 | 18 48 | 1 0 | 21 20 | 0 52 | 21 36 | 1 6 | 23 33 | 0 9 | 17 33 | 1 44 | 8 24 | 11 26 | 7 52 | 8 31 | 8 23 | 10 28 | 0 3 |
| S 13 | 11 8 | 3n20 | 0 52 | 14 37 | 2 0 | 5 35 | 8 40 | 18 55 | 0 59 | 21 21 | 0 52 | 21 36 | 1 6 | 23 33 | 0 9 | 17 33 | 1 44 | 8 24 | 11 25 | 7 51 | 8 30 | 8 26 | 10 29 | 0 3 |
| M14 | 10 46 | 10 8 | 0n27 | 13 56 | 1 57 | 5 48 | 8 38 | 19 3 | 0 58 | 21 22 | 0 52 | 21 36 | 1 6 | 23 34 | 0 9 | 17 33 | 1 44 | 8 25 | 11 25 | 7 51 | 8 29 | 8 30 | 10 30 | 0 3 |
| T 15 | 10 25 | 16 19 | 1 43 | 13 13 | 1 54 | 6 1 | 8 35 | 19 10 | 0 57 | 21 23 | 0 52 | 21 36 | 1 6 | 23 34 | 0 9 | 17 33 | 1 44 | 8 25 | 11 25 | 7 51 | 8 28 | 8 33 | 10 31 | 0 3 |
| W16 | 10 3 | 21 31 | 2 51 | 12 29 | 1 50 | 6 15 | 8 31 | 19 17 | 0 57 | 21 24 | 0 52 | 21 37 | 1 6 | 23 34 | 0 9 | 17 33 | 1 44 | 8 25 | 11 24 | 7 52 | 8 26 | 8 36 | 10 32 | 0 3 |
| T 17 | 9 41 | 25 25 | 3 48 | 11 44 | 1 46 | 6 28 | 8 26 | 19 24 | 0 56 | 21 25 | 0 52 | 21 37 | 1 5 | 23 34 | 0 9 | 17 33 | 1 44 | 8 26 | 11 24 | 7 52 | 8 25 | 8 40 | 10 33 | 0 3 |
| F 18 | 9 19 | 27 46 | 4 31 | 10 57 | 1 41 | 6 42 | 8 21 | 19 31 | 0 55 | 21 27 | 0 52 | 21 37 | 1 5 | 23 34 | 0 9 | 17 33 | 1 44 | 8 26 | 11 24 | 7 51 | 8 24 | 8 43 | 10 34 | 0 3 |
| S 19 | 8 56 | 28 27 | 4 58 | 10 8 | 1 36 | 6 55 | 8 14 | 19 38 | 0 54 | 21 28 | 0 52 | 21 38 | 1 5 | 23 34 | 0 9 | 17 32 | 1 44 | 8 26 | 11 24 | 7 50 | 8 23 | 8 46 | 10 35 | 0 3 |
| S 20 | 8 34 | 27 28 | 5 9 | 9 19 | 1 30 | 7 9 | 8 8 | 19 45 | 0 54 | 21 28 | 0 52 | 21 38 | 1 5 | 23 34 | 0 9 | 17 32 | 1 44 | 8 27 | 11 23 | 7 48 | 8 22 | 8 49 | 10 35 | 0 3 |
| M21 | 8 12 | 25 1 | 5 4 | 8 28 | 1 23 | 7 22 | 8 0 | 19 51 | 0 53 | 21 29 | 0 52 | 21 38 | 1 5 | 23 34 | 0 9 | 17 32 | 1 44 | 8 27 | 11 23 | 7 46 | 8 21 | 8 53 | 10 36 | 0 3 |
| T 22 | 7 49 | 21 22 | 4 43 | 7 35 | 1 16 | 7 35 | 7 52 | 19 58 | 0 52 | 21 30 | 0 52 | 21 39 | 1 4 | 23 34 | 0 9 | 17 32 | 1 44 | 8 27 | 11 23 | 7 43 | 8 19 | 8 56 | 10 37 | 0 3 |
| W23 | 7 26 | 16 48 | 4 9 | 6 42 | 1 8 | 7 48 | 7 44 | 20 4 | 0 51 | 21 31 | 0 52 | 21 39 | 1 4 | 23 34 | 0 9 | 17 32 | 1 44 | 8 28 | 11 22 | 7 40 | 8 18 | 8 59 | 10 38 | 0 3 |
| T 24 | 7 3 | 11 36 | 3 24 | 5 48 | 1 0 | 8 1 | 7 35 | 20 10 | 0 50 | 21 32 | 0 52 | 21 40 | 1 4 | 23 34 | 0 9 | 17 32 | 1 44 | 8 28 | 11 22 | 7 38 | 8 17 | 9 3 | 10 39 | 0 3 |
| F 25 | 6 40 | 6 2 | 2 30 | 4 53 | 0 51 | 8 13 | 7 25 | 20 17 | 0 49 | 21 33 | 0 52 | 21 40 | 1 4 | 23 35 | 0 9 | 17 32 | 1 44 | 8 29 | 11 22 | 7 36 | 8 16 | 9 6 | 10 40 | 0 4 |
| S 26 | 6 17 | 0 19 | 1 30 | 3 57 | 0 41 | 8 25 | 7 15 | 20 23 | 0 48 | 21 33 | 0 52 | 21 40 | 1 3 | 23 35 | 0 9 | 17 32 | 1 44 | 8 29 | 11 22 | 7 35 | 8 15 | 9 9 | 10 41 | 0 4 |
| S 27 | 5 54 | 5s22 | 0 26 | 3 1 | 0 31 | 8 37 | 7 5 | 20 29 | 0 47 | 21 34 | 0 52 | 21 41 | 1 3 | 23 35 | 0 9 | 17 32 | 1 45 | 8 29 | 11 21 | 7 34 | 8 13 | 9 13 | 10 42 | 0 4 |
| M28 | 5s31 | 10s49 | 0s39 | 2s 4 | 0s21 | 8s47 | 6n55 | 20s35 | 0n46 | 21n35 | 0n52 | 21n41 | 1s 3 | 23s35 | 0s 9 | 17s32 | 1n45 | 8n30 | 11s21 | 7n34 | 8n12 | 9s16 | 10n43 | 0s 4 |

Julian Day Number = 2140761.5, Delta T = 15m20s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'36, Lahiri = 11°59'36 Julian Calendar 1 Feb. 1149 == Greg. Calendar 8 Feb. 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## MARCH 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 0 37 | 17♓ 3'49 | 8♏ 8 | 27♓35 | 18°D24 | 6♐ 3 | 27°R36 | 15♊18 | 24♐14 | 25°R28 | 26♉54 | 19♈17 | 20♈52 | 23♎21 | 27♈58 | T 1 |
| W 2 | 11 4 33 | 18° 3'21 | 19°57 | 29°32 | 18♒26 | 6°30 | 27♋33 | 15°20 | 24°15 | 25♏28 | 26°55 | 19°19 | 20°49 | 23°27 | 28° 1 | W 2 |
| T 3 | 11 8 30 | 19° 2'51 | 1♐53 | 1♈27 | 18°29 | 6°57 | 27°31 | 15°23 | 24°16 | 25°28 | 26°55 | 19°20 | 20°46 | 23°34 | 28° 4 | T 3 |
| F 4 | 11 12 27 | 20° 2'19 | 14° 0 | 3°19 | 18°35 | 7°24 | 27°28 | 15°25 | 24°17 | 25°27 | 26°56 | 19°21 | 20°42 | 23°41 | 28° 8 | F 4 |
| S 5 | 11 16 23 | 21° 1'45 | 26°24 | 5°10 | 18°44 | 7°51 | 27°26 | 15°28 | 24°18 | 25°27 | 26°56 | 19°R21 | 20°39 | 23°47 | 28°11 | S 5 |
| S 6 | 11 20 20 | 22° 1'10 | 9♑ 8 | 6°57 | 18°54 | 8°17 | 27°23 | 15°31 | 24°19 | 25°26 | 26°57 | 19°20 | 20°36 | 23°54 | 28°14 | S 6 |
| M 7 | 11 24 16 | 23° 0'32 | 22°17 | 8°42 | 19° 7 | 8°43 | 27°21 | 15°34 | 24°20 | 25°26 | 26°58 | 19°18 | 20°33 | 24° 1 | 28°18 | M 7 |
| T 8 | 11 28 13 | 23°59'53 | 5♒53 | 10°22 | 19°21 | 9° 9 | 27°20 | 15°37 | 24°21 | 25°25 | 26°59 | 19°15 | 20°30 | 24° 7 | 28°21 | T 8 |
| W 9 | 11 32 9 | 24°59'12 | 19°56 | 11°59 | 19°38 | 9°35 | 27°18 | 15°40 | 24°22 | 25°25 | 26°59 | 19°11 | 20°27 | 24°14 | 28°24 | W 9 |
| T 10 | 11 36 6 | 25°58'29 | 4♓24 | 13°31 | 19°57 | 10° 1 | 27°16 | 15°43 | 24°22 | 25°24 | 27° 0 | 19° 8 | 20°23 | 24°21 | 28°28 | T 10 |
| F 11 | 11 40 2 | 26°57'44 | 19°12 | 14°58 | 20°17 | 10°26 | 27°15 | 15°46 | 24°23 | 25°23 | 27° 1 | 19° 5 | 20°20 | 24°27 | 28°31 | F 11 |
| S 12 | 11 43 59 | 27°56'57 | 4♈12 | 16°20 | 20°40 | 10°51 | 27°14 | 15°50 | 24°24 | 25°23 | 27° 1 | 19° 3 | 20°17 | 24°34 | 28°35 | S 12 |
| S 13 | 11 47 56 | 28°56'08 | 19°16 | 17°36 | 21° 4 | 11°15 | 27°13 | 15°53 | 24°24 | 25°22 | 27° 2 | 19°D 3 | 20°14 | 24°41 | 28°38 | S 13 |
| M14 | 11 51 52 | 29°55'17 | 4♉15 | 18°47 | 21°29 | 11°39 | 27°12 | 15°57 | 24°25 | 25°21 | 27° 3 | 19° 3 | 20°11 | 24°47 | 28°42 | M14 |
| T 15 | 11 55 49 | 0♈54'23 | 19° 2 | 19°52 | 21°57 | 12° 3 | 27°12 | 16° 1 | 24°25 | 25°21 | 27° 4 | 19° 5 | 20° 7 | 24°54 | 28°45 | T 15 |
| W16 | 11 59 45 | 1°53'28 | 3♊30 | 20°50 | 22°26 | 12°27 | 27°12 | 16° 4 | 24°25 | 25°20 | 27° 5 | 19° 6 | 20° 4 | 25° 1 | 28°49 | W16 |
| T 17 | 12 3 42 | 2°52'29 | 17°37 | 21°42 | 22°56 | 12°51 | 27°D11 | 16° 8 | 24°26 | 25°19 | 27° 6 | 19° 7 | 20° 1 | 25° 7 | 28°52 | T 17 |
| F 18 | 12 7 38 | 3°51'29 | 1♋22 | 22°28 | 23°28 | 13°14 | 27°11 | 16°12 | 24°26 | 25°18 | 27° 6 | 19°R 7 | 19°58 | 25°14 | 28°56 | F 18 |
| S 19 | 12 11 35 | 4°50'26 | 14°45 | 23° 7 | 24° 1 | 13°36 | 27°12 | 16°16 | 24°26 | 25°17 | 27° 7 | 19° 7 | 19°55 | 25°20 | 28°59 | S 19 |
| S 20 | 12 15 31 | 5°49'21 | 27°47 | 23°39 | 24°36 | 13°59 | 27°12 | 16°20 | 24°26 | 25°16 | 27° 8 | 19° 6 | 19°52 | 25°27 | 29° 3 | S 20 |
| M21 | 12 19 28 | 6°48'14 | 10♌32 | 24° 5 | 25°12 | 14°21 | 27°13 | 16°25 | 24°26 | 25°15 | 27° 9 | 19° 5 | 19°48 | 25°34 | 29° 7 | M21 |
| T 22 | 12 23 25 | 7°47'04 | 23° 2 | 24°23 | 25°49 | 14°43 | 27°14 | 16°29 | 24°27 | 25°15 | 27°10 | 19° 3 | 19°45 | 25°40 | 29°10 | T 22 |
| W23 | 12 27 21 | 8°45'52 | 5♍20 | 24°36 | 26°27 | 15° 4 | 27°15 | 16°33 | 24°R27 | 25°14 | 27°11 | 19° 2 | 19°42 | 25°47 | 29°14 | W23 |
| T 24 | 12 31 18 | 9°44'37 | 17°27 | 24°R41 | 27° 7 | 15°25 | 27°16 | 16°38 | 24°27 | 25°13 | 27°12 | 19° 0 | 19°39 | 25°54 | 29°18 | T 24 |
| F 25 | 12 35 14 | 10°43'21 | 29°26 | 24°40 | 27°47 | 15°46 | 27°17 | 16°42 | 24°26 | 25°12 | 27°13 | 18°59 | 19°36 | 26° 0 | 29°22 | F 25 |
| S 26 | 12 39 11 | 11°42'02 | 11♎19 | 24°33 | 28°29 | 16° 6 | 27°19 | 16°47 | 24°26 | 25°10 | 27°14 | 18°59 | 19°32 | 26° 7 | 29°25 | S 26 |
| S 27 | 12 43 7 | 12°40'42 | 23° 9 | 24°21 | 29°12 | 16°26 | 27°20 | 16°52 | 24°26 | 25° 9 | 27°15 | 18°D59 | 19°29 | 26°14 | 29°29 | S 27 |
| M28 | 12 47 4 | 13°39'19 | 4♏56 | 24° 2 | 29°55 | 16°45 | 27°22 | 16°57 | 24°26 | 25° 8 | 27°16 | 18°59 | 19°26 | 26°20 | 29°33 | M28 |
| T 29 | 12 51 0 | 14°37'55 | 16°45 | 23°39 | 0♓40 | 17° 4 | 27°24 | 17° 2 | 24°26 | 25° 7 | 27°17 | 19° 0 | 19°23 | 26°27 | 29°37 | T 29 |
| W30 | 12 54 57 | 15°36'29 | 28°37 | 23°11 | 1°25 | 17°23 | 27°27 | 17° 7 | 24°25 | 25° 6 | 27°18 | 19° 0 | 19°20 | 26°34 | 29°40 | W30 |
| T 31 | 12 58 53 | 16♈35'01 | 10♐36 | 22♈39 | 2♓12 | 17♐41 | 27♋29 | 17♊12 | 24♐25 | 25♏ 5 | 27♉19 | 19♈ 0 | 19♈17 | 26♎40 | 29♈44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s 8 | 15s53 | 1s42 | 1s 7 | 0s10 | 8s58 | 6n45 | 20s40 | 0n45 | 21n35 | 0n52 | 21n42 | 1s 3 | 23s35 | 0s 9 | 17s32 | 1n45 | 8n30 | 11s21 | 7n35 | 8n11 | 9s19 | 10n45 | 0s 4 |
| W 2 | 4 45 | 20 23 | 2 40 | 0 10 | 0n 1 | 9 8 | 6 34 | 20 46 | 0 44 | 21 36 | 0 52 | 21 42 | 1 3 | 23 35 | 0 9 | 17 31 | 1 45 | 8 30 | 11 21 | 7 36 | 8 10 | 9 22 | 10 46 | 0 4 |
| T 3 | 4 21 | 24 7 | 3 33 | 0n46 | 0 13 | 9 17 | 6 23 | 20 52 | 0 43 | 21 36 | 0 52 | 21 43 | 1 2 | 23 35 | 0 9 | 17 31 | 1 45 | 8 31 | 11 20 | 7 36 | 8 9 | 9 26 | 10 47 | 0 4 |
| F 4 | 3 58 | 26 50 | 4 17 | 1 42 | 0 25 | 9 25 | 6 12 | 20 57 | 0 42 | 21 37 | 0 52 | 21 43 | 1 2 | 23 35 | 0 9 | 17 31 | 1 45 | 8 31 | 11 20 | 7 37 | 8 7 | 9 29 | 10 48 | 0 4 |
| S 5 | 3 34 | 28 20 | 4 50 | 2 38 | 0 37 | 9 33 | 6 1 | 21 3 | 0 41 | 21 37 | 0 52 | 21 44 | 1 2 | 23 35 | 0 9 | 17 31 | 1 45 | 8 32 | 11 20 | 7 37 | 8 6 | 9 32 | 10 49 | 0 4 |
| S 6 | 3 11 | 28 23 | 5 9 | 3 32 | 0 49 | 9 41 | 5 50 | 21 8 | 0 40 | 21 38 | 0 52 | 21 44 | 1 2 | 23 35 | 0 9 | 17 31 | 1 45 | 8 32 | 11 20 | 7 36 | 8 5 | 9 36 | 10 50 | 0 4 |
| M 7 | 2 47 | 26 52 | 5 14 | 4 24 | 1 2 | 9 48 | 5 39 | 21 13 | 0 39 | 21 38 | 0 52 | 21 45 | 1 2 | 23 35 | 0 9 | 17 31 | 1 45 | 8 32 | 11 19 | 7 35 | 8 4 | 9 39 | 10 51 | 0 4 |
| T 8 | 2 24 | 23 45 | 5 1 | 5 16 | 1 14 | 9 54 | 5 28 | 21 19 | 0 38 | 21 38 | 0 52 | 21 45 | 1 1 | 23 35 | 0 9 | 17 30 | 1 45 | 8 33 | 11 19 | 7 34 | 8 3 | 9 42 | 10 52 | 0 4 |
| W 9 | 2 0 | 19 11 | 4 30 | 6 5 | 1 26 | 9 59 | 5 16 | 21 24 | 0 36 | 21 39 | 0 52 | 21 46 | 1 1 | 23 35 | 0 9 | 17 30 | 1 45 | 8 33 | 11 19 | 7 33 | 8 1 | 9 45 | 10 53 | 0 4 |
| T 10 | 1 36 | 13 23 | 3 42 | 6 52 | 1 38 | 10 4 | 5 5 | 21 29 | 0 35 | 21 39 | 0 52 | 21 46 | 1 1 | 23 35 | 0 9 | 17 30 | 1 45 | 8 34 | 11 19 | 7 31 | 8 0 | 9 49 | 10 54 | 0 4 |
| F 11 | 1 13 | 6 42 | 2 37 | 7 37 | 1 50 | 10 8 | 4 54 | 21 34 | 0 34 | 21 39 | 0 52 | 21 47 | 1 1 | 23 35 | 0 9 | 17 30 | 1 45 | 8 34 | 11 18 | 7 30 | 7 59 | 9 52 | 10 56 | 0 5 |
| S 12 | 0 49 | 0n26 | 1 21 | 8 19 | 2 1 | 10 12 | 4 43 | 21 38 | 0 33 | 21 39 | 0 52 | 21 47 | 1 1 | 23 35 | 0 9 | 17 30 | 1 45 | 8 34 | 11 18 | 7 30 | 7 58 | 9 55 | 10 57 | 0 5 |
| S 13 | 0 26 | 7 36 | 0n 1 | 8 58 | 2 12 | 10 14 | 4 32 | 21 43 | 0 31 | 21 39 | 0 52 | 21 48 | 1 0 | 23 35 | 0 10 | 17 30 | 1 45 | 8 35 | 11 18 | 7 30 | 7 57 | 9 58 | 10 58 | 0 5 |
| M14 | 0 2 | 14 18 | 1 23 | 9 35 | 2 22 | 10 17 | 4 22 | 21 48 | 0 30 | 21 40 | 0 52 | 21 49 | 1 0 | 23 36 | 0 10 | 17 29 | 1 45 | 8 35 | 11 18 | 7 30 | 7 55 | 10 2 | 10 59 | 0 5 |
| T 15 | 0n22 | 20 6 | 2 38 | 10 8 | 2 32 | 10 18 | 4 11 | 21 52 | 0 28 | 21 40 | 0 52 | 21 49 | 1 0 | 23 36 | 0 10 | 17 29 | 1 45 | 8 36 | 11 17 | 7 30 | 7 54 | 10 5 | 11 0 | 0 5 |
| W16 | 0 45 | 24 35 | 3 42 | 10 39 | 2 40 | 10 19 | 4 0 | 21 57 | 0 27 | 21 40 | 0 51 | 21 50 | 1 0 | 23 36 | 0 10 | 17 29 | 1 45 | 8 36 | 11 17 | 7 31 | 7 53 | 10 8 | 11 2 | 0 5 |
| T 17 | 1 9 | 27 27 | 4 30 | 11 6 | 2 48 | 10 19 | 3 50 | 22 1 | 0 26 | 21 40 | 0 51 | 21 50 | 1 0 | 23 36 | 0 10 | 17 29 | 1 45 | 8 36 | 11 17 | 7 31 | 7 52 | 10 12 | 11 3 | 0 5 |
| F 18 | 1 32 | 28 34 | 5 2 | 11 29 | 2 55 | 10 18 | 3 39 | 22 6 | 0 24 | 21 40 | 0 51 | 21 51 | 0 59 | 23 36 | 0 10 | 17 28 | 1 45 | 8 37 | 11 17 | 7 31 | 7 51 | 10 15 | 11 4 | 0 5 |
| S 19 | 1 56 | 27 58 | 5 16 | 11 49 | 3 1 | 10 17 | 3 29 | 22 10 | 0 23 | 21 39 | 0 51 | 21 51 | 0 59 | 23 36 | 0 10 | 17 28 | 1 46 | 8 37 | 11 16 | 7 31 | 7 49 | 10 18 | 11 5 | 0 5 |
| S 20 | 2 19 | 25 49 | 5 13 | 12 6 | 3 6 | 10 15 | 3 19 | 22 14 | 0 21 | 21 39 | 0 51 | 21 52 | 0 59 | 23 36 | 0 10 | 17 28 | 1 46 | 8 38 | 11 16 | 7 31 | 7 48 | 10 21 | 11 6 | 0 5 |
| M21 | 2 43 | 22 24 | 4 55 | 12 19 | 3 9 | 10 13 | 3 9 | 22 18 | 0 19 | 21 39 | 0 51 | 21 53 | 0 59 | 23 36 | 0 10 | 17 28 | 1 46 | 8 38 | 11 16 | 7 30 | 7 47 | 10 25 | 11 8 | 0 5 |
| T 22 | 3 6 | 18 2 | 4 23 | 12 28 | 3 12 | 10 10 | 2 59 | 22 22 | 0 18 | 21 39 | 0 51 | 21 53 | 0 59 | 23 36 | 0 10 | 17 27 | 1 46 | 8 38 | 11 16 | 7 30 | 7 46 | 10 28 | 11 9 | 0 5 |
| W23 | 3 29 | 13 0 | 3 39 | 12 33 | 3 13 | 10 6 | 2 49 | 22 27 | 0 16 | 21 39 | 0 51 | 21 54 | 0 59 | 23 36 | 0 10 | 17 27 | 1 46 | 8 39 | 11 16 | 7 29 | 7 44 | 10 31 | 11 10 | 0 5 |
| T 24 | 3 53 | 7 32 | 2 46 | 12 35 | 3 12 | 10 2 | 2 40 | 22 31 | 0 15 | 21 38 | 0 51 | 21 55 | 0 58 | 23 36 | 0 10 | 17 27 | 1 46 | 8 39 | 11 15 | 7 29 | 7 43 | 10 34 | 11 11 | 0 5 |
| F 25 | 4 16 | 1 51 | 1 46 | 12 33 | 3 10 | 9 57 | 2 30 | 22 34 | 0 13 | 21 38 | 0 51 | 21 55 | 0 58 | 23 36 | 0 10 | 17 26 | 1 46 | 8 40 | 11 15 | 7 28 | 7 42 | 10 38 | 11 13 | 0 6 |
| S 26 | 4 39 | 3s51 | 0 42 | 12 27 | 3 7 | 9 51 | 2 21 | 22 38 | 0 11 | 21 38 | 0 51 | 21 56 | 0 58 | 23 36 | 0 10 | 17 26 | 1 46 | 8 40 | 11 15 | 7 28 | 7 41 | 10 41 | 11 14 | 0 6 |
| S 27 | 5 2 | 9 24 | 0s23 | 12 18 | 3 2 | 9 45 | 2 12 | 22 42 | 0 9 | 21 37 | 0 51 | 21 56 | 0 58 | 23 36 | 0 10 | 17 26 | 1 46 | 8 41 | 11 15 | 7 28 | 7 40 | 10 44 | 11 15 | 0 6 |
| M28 | 5 25 | 14 36 | 1 28 | 12 6 | 2 56 | 9 38 | 2 3 | 22 46 | 0 7 | 21 37 | 0 51 | 21 57 | 0 58 | 23 36 | 0 10 | 17 26 | 1 46 | 8 41 | 11 15 | 7 28 | 7 38 | 10 47 | 11 17 | 0 6 |
| T 29 | 5 48 | 19 17 | 2 28 | 11 50 | 2 49 | 9 31 | 1 54 | 22 50 | 0 5 | 21 36 | 0 51 | 21 58 | 0 57 | 23 36 | 0 10 | 17 25 | 1 46 | 8 41 | 11 14 | 7 28 | 7 37 | 10 51 | 11 18 | 0 6 |
| W30 | 6 10 | 23 15 | 3 23 | 11 31 | 2 39 | 9 23 | 1 45 | 22 54 | 0 4 | 21 36 | 0 51 | 21 58 | 0 57 | 23 36 | 0 10 | 17 25 | 1 46 | 8 42 | 11 14 | 7 29 | 7 36 | 10 54 | 11 19 | 0 6 |
| T 31 | 6n33 | 26s15 | 4s 9 | 11n 9 | 2n29 | 9s14 | 1n37 | 22s57 | 0n 2 | 21n35 | 0n51 | 21n59 | 0s57 | 23s36 | 0s10 | 17s25 | 1n46 | 8n42 | 11s14 | 7n29 | 7n35 | 10s57 | 11n20 | 0s 6 |

Julian Day Number = 2140789.5, Delta T = 15m20s
Ecliptic obliquity = 23°33'08, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'40, Lahiri = 11°59'40 Julian Calendar 1 March 1149 == Greg. Calendar 8 March 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## APRIL 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 2 50 | 17♈33'31 | 22♐46 | 22°R 4 | 2♓59 | 17♐59 | 27♋32 | 17♊17 | 24°R24 | 25°R 4 | 27♉20 | 19♈ 1 | 19♈13 | 26♎47 | 29♈48 | F 1 |
| S 2 | 13 6 47 | 18°32'00 | 5♑ 9 | 21♈26 | 3°47 | 18°17 | 27°35 | 17°22 | 24♐24 | 25♏ 3 | 27°21 | 19° 1 | 19°10 | 26°53 | 29°52 | S 2 |
| S 3 | 13 10 43 | 19°30'27 | 17°51 | 20°46 | 4°35 | 18°33 | 27°38 | 17°27 | 24°23 | 25° 1 | 27°22 | 19° 1 | 19° 7 | 27° 0 | 29°56 | S 3 |
| M 4 | 13 14 40 | 20°28'53 | 0♒54 | 20° 5 | 5°25 | 18°50 | 27°41 | 17°33 | 24°23 | 25° 0 | 27°24 | 19° 1 | 19° 4 | 27° 7 | 29°59 | M 4 |
| T 5 | 13 18 36 | 21°27'17 | 14°23 | 19°24 | 6°15 | 19° 6 | 27°44 | 17°38 | 24°22 | 24°59 | 27°25 | 19° 1 | 19° 1 | 27°13 | 0♉ 4 | T 5 |
| W 6 | 13 22 33 | 22°25'39 | 28°17 | 18°43 | 7° 6 | 19°21 | 27°48 | 17°44 | 24°21 | 24°58 | 27°26 | 19° 1 | 18°58 | 27°20 | 0° 7 | W 6 |
| T 7 | 13 26 29 | 23°24'00 | 12♓37 | 18° 3 | 7°58 | 19°36 | 27°51 | 17°49 | 24°21 | 24°56 | 27°27 | 19° 1 | 18°54 | 27°27 | 0°11 | T 7 |
| F 8 | 13 30 26 | 24°22'19 | 27°21 | 17°26 | 8°50 | 19°51 | 27°55 | 17°55 | 24°20 | 24°55 | 27°28 | 19° 2 | 18°51 | 27°33 | 0°15 | F 8 |
| S 9 | 13 34 22 | 25°20'36 | 12♈22 | 16°50 | 9°43 | 20° 5 | 27°59 | 18° 1 | 24°19 | 24°54 | 27°29 | 19°R 2 | 18°48 | 27°40 | 0°19 | S 9 |
| S 10 | 13 38 19 | 26°18'51 | 27°33 | 16°17 | 10°36 | 20°18 | 28° 3 | 18° 6 | 24°18 | 24°52 | 27°31 | 19° 2 | 18°45 | 27°47 | 0°23 | S 10 |
| M11 | 13 42 16 | 27°17'05 | 12♉44 | 15°48 | 11°30 | 20°31 | 28° 8 | 18°12 | 24°17 | 24°51 | 27°32 | 19° 2 | 18°42 | 27°53 | 0°27 | M11 |
| T 12 | 13 46 12 | 28°15'17 | 27°46 | 15°23 | 12°24 | 20°43 | 28°12 | 18°18 | 24°16 | 24°49 | 27°33 | 19° 1 | 18°38 | 28° 0 | 0°31 | T 12 |
| W13 | 13 50 9 | 29°13'27 | 12♊31 | 15° 1 | 13°19 | 20°55 | 28°17 | 18°24 | 24°15 | 24°48 | 27°34 | 19° 0 | 18°35 | 28° 7 | 0°35 | W13 |
| T 14 | 13 54 5 | 0♉11'35 | 26°52 | 14°44 | 14°15 | 21° 6 | 28°22 | 18°30 | 24°14 | 24°47 | 27°35 | 18°58 | 18°32 | 28°13 | 0°39 | T 14 |
| F 15 | 13 58 2 | 1° 9'42 | 10♋47 | 14°32 | 15°11 | 21°16 | 28°27 | 18°36 | 24°13 | 24°45 | 27°37 | 18°57 | 18°29 | 28°20 | 0°43 | F 15 |
| S 16 | 14 1 58 | 2° 7'46 | 24°16 | 14°24 | 16° 7 | 21°26 | 28°32 | 18°42 | 24°12 | 24°44 | 27°38 | 18°57 | 18°26 | 28°27 | 0°47 | S 16 |
| S 17 | 14 5 55 | 3° 5'48 | 7♌19 | 14°D21 | 17° 4 | 21°36 | 28°37 | 18°49 | 24°11 | 24°42 | 27°39 | 18°D57 | 18°23 | 28°33 | 0°50 | S 17 |
| M18 | 14 9 52 | 4° 3'48 | 20° 0 | 14°23 | 18° 1 | 21°44 | 28°43 | 18°55 | 24°10 | 24°41 | 27°40 | 18°57 | 18°19 | 28°40 | 0°54 | M18 |
| T 19 | 14 13 48 | 5° 1'47 | 2♍23 | 14°29 | 18°59 | 21°52 | 28°48 | 19° 1 | 24° 8 | 24°39 | 27°42 | 18°58 | 18°16 | 28°46 | 0°58 | T 19 |
| W20 | 14 17 45 | 5°59'43 | 14°31 | 14°40 | 19°57 | 22° 0 | 28°54 | 19° 8 | 24° 7 | 24°38 | 27°43 | 19° 0 | 18°13 | 28°53 | 1° 2 | W20 |
| T 21 | 14 21 41 | 6°57'37 | 26°30 | 14°56 | 20°55 | 22° 6 | 29° 0 | 19°14 | 24° 6 | 24°36 | 27°44 | 19° 1 | 18°10 | 29° 0 | 1° 6 | T 21 |
| F 22 | 14 25 38 | 7°55'30 | 8♎21 | 15°16 | 21°54 | 22°13 | 29° 6 | 19°21 | 24° 4 | 24°35 | 27°46 | 19° 2 | 18° 7 | 29° 6 | 1°10 | F 22 |
| S 23 | 14 29 34 | 8°53'21 | 20° 9 | 15°40 | 22°53 | 22°18 | 29°12 | 19°27 | 24° 3 | 24°33 | 27°47 | 19°R 2 | 18° 4 | 29°13 | 1°14 | S 23 |
| S 24 | 14 33 31 | 9°51'11 | 1♏57 | 16° 9 | 23°53 | 22°23 | 29°18 | 19°34 | 24° 1 | 24°32 | 27°48 | 19° 2 | 18° 0 | 29°20 | 1°18 | S 24 |
| M25 | 14 37 27 | 10°48'59 | 13°46 | 16°42 | 24°53 | 22°27 | 29°25 | 19°40 | 24° 0 | 24°30 | 27°49 | 19° 0 | 17°57 | 29°26 | 1°22 | M25 |
| T 26 | 14 41 24 | 11°46'46 | 25°39 | 17°19 | 25°53 | 22°30 | 29°32 | 19°47 | 23°58 | 24°28 | 27°51 | 18°57 | 17°54 | 29°33 | 1°25 | T 26 |
| W27 | 14 45 20 | 12°44'31 | 7♐39 | 17°59 | 26°54 | 22°33 | 29°38 | 19°54 | 23°57 | 24°27 | 27°52 | 18°54 | 17°51 | 29°40 | 1°29 | W27 |
| T 28 | 14 49 17 | 13°42'15 | 19°46 | 18°44 | 27°55 | 22°35 | 29°45 | 20° 1 | 23°55 | 24°25 | 27°53 | 18°50 | 17°48 | 29°46 | 1°33 | T 28 |
| F 29 | 14 53 14 | 14°39'57 | 2♑ 3 | 19°32 | 28°56 | 22°36 | 29°52 | 20° 8 | 23°53 | 24°24 | 27°55 | 18°46 | 17°44 | 29°53 | 1°37 | F 29 |
| S 30 | 14 57 10 | 15♉37'39 | 14♑33 | 20♈23 | 29♓57 | 22°R36 | 29♋59 | 20♊14 | 23♐52 | 24♏22 | 27♉56 | 18♈42 | 17♈41 | 29♎59 | 1♉41 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n55 | 28s 6 | 4s45 | 10n45 | 2n17 | 9s 5 | 1n29 | 23s 1 | 0s 0 | 21n35 | 0n51 | 22n 0 | 0s57 | 23s36 | 0s10 | 17s24 | 1n46 | 8n43 | 11s14 | 7n29 | 7n34 | 11s 0 | 11n22 | 0s 6 |
| S 2 | 7 18 | 28 35 | 5 9 | 10 19 | 2 4 | 8 55 | 1 20 | 23 4 | 0 3 | 21 34 | 0 51 | 22 0 | 0 57 | 23 36 | 0 10 | 17 24 | 1 46 | 8 43 | 11 14 | 7 29 | 7 32 | 11 3 | 11 23 | 0 6 |
| S 3 | 7 40 | 27 36 | 5 18 | 9 51 | 1 50 | 8 45 | 1 12 | 23 8 | 0 5 | 21 33 | 0 50 | 22 1 | 0 57 | 23 36 | 0 10 | 17 24 | 1 46 | 8 43 | 11 13 | 7 29 | 7 31 | 11 7 | 11 24 | 0 6 |
| M 4 | 8 2 | 25 6 | 5 11 | 9 21 | 1 35 | 8 34 | 1 5 | 23 12 | 0 7 | 21 33 | 0 50 | 22 2 | 0 56 | 23 36 | 0 10 | 17 23 | 1 46 | 8 44 | 11 13 | 7 29 | 7 30 | 11 10 | 11 26 | 0 6 |
| T 5 | 8 24 | 21 10 | 4 47 | 8 51 | 1 20 | 8 23 | 0 57 | 23 15 | 0 9 | 21 32 | 0 50 | 22 2 | 0 56 | 23 36 | 0 10 | 17 23 | 1 46 | 8 44 | 11 13 | 7 29 | 7 29 | 11 13 | 11 27 | 0 6 |
| W 6 | 8 46 | 15 58 | 4 6 | 8 21 | 1 3 | 8 11 | 0 49 | 23 19 | 0 11 | 21 31 | 0 50 | 22 3 | 0 56 | 23 36 | 0 10 | 17 23 | 1 46 | 8 45 | 11 13 | 7 29 | 7 28 | 11 16 | 11 28 | 0 6 |
| T 7 | 9 8 | 9 46 | 3 9 | 7 50 | 0 47 | 7 59 | 0 42 | 23 22 | 0 13 | 21 31 | 0 50 | 22 4 | 0 56 | 23 36 | 0 10 | 17 22 | 1 46 | 8 45 | 11 13 | 7 29 | 7 26 | 11 20 | 11 29 | 0 6 |
| F 8 | 9 29 | 2 51 | 1 58 | 7 20 | 0 30 | 7 46 | 0 35 | 23 25 | 0 16 | 21 30 | 0 50 | 22 4 | 0 56 | 23 36 | 0 10 | 17 22 | 1 46 | 8 46 | 11 12 | 7 29 | 7 25 | 11 23 | 11 31 | 0 7 |
| S 9 | 9 51 | 4n21 | 0 37 | 6 50 | 0 13 | 7 32 | 0 28 | 23 29 | 0 18 | 21 29 | 0 50 | 22 5 | 0 56 | 23 36 | 0 10 | 17 22 | 1 46 | 8 46 | 11 12 | 7 29 | 7 24 | 11 26 | 11 32 | 0 7 |
| S 10 | 10 12 | 11 23 | 0n47 | 6 22 | 0s 4 | 7 18 | 0 21 | 23 32 | 0 21 | 21 28 | 0 50 | 22 6 | 0 55 | 23 36 | 0 10 | 17 21 | 1 46 | 8 46 | 11 12 | 7 29 | 7 23 | 11 29 | 11 33 | 0 7 |
| M11 | 10 33 | 17 46 | 2 8 | 5 56 | 0 21 | 7 4 | 0 14 | 23 36 | 0 23 | 21 27 | 0 50 | 22 6 | 0 55 | 23 36 | 0 10 | 17 21 | 1 46 | 8 47 | 11 12 | 7 29 | 7 21 | 11 32 | 11 35 | 0 7 |
| T 12 | 10 54 | 22 59 | 3 19 | 5 31 | 0 37 | 6 49 | 0 7 | 23 39 | 0 26 | 21 26 | 0 50 | 22 7 | 0 55 | 23 36 | 0 10 | 17 21 | 1 46 | 8 47 | 11 12 | 7 29 | 7 20 | 11 36 | 11 36 | 0 7 |
| W13 | 11 15 | 26 37 | 4 15 | 5 8 | 0 53 | 6 34 | 0 1 | 23 43 | 0 28 | 21 25 | 0 50 | 22 8 | 0 55 | 23 36 | 0 10 | 17 20 | 1 46 | 8 48 | 11 12 | 7 28 | 7 19 | 11 39 | 11 37 | 0 7 |
| T 14 | 11 36 | 28 25 | 4 54 | 4 47 | 1 8 | 6 19 | 0s 5 | 23 46 | 0 31 | 21 24 | 0 50 | 22 9 | 0 55 | 23 36 | 0 10 | 17 20 | 1 46 | 8 48 | 11 12 | 7 28 | 7 18 | 11 42 | 11 39 | 0 7 |
| F 15 | 11 56 | 28 19 | 5 14 | 4 29 | 1 23 | 6 3 | 0 11 | 23 49 | 0 34 | 21 23 | 0 50 | 22 9 | 0 55 | 23 36 | 0 10 | 17 20 | 1 46 | 8 48 | 11 11 | 7 27 | 7 17 | 11 45 | 11 40 | 0 7 |
| S 16 | 12 16 | 26 32 | 5 16 | 4 14 | 1 36 | 5 46 | 0 17 | 23 53 | 0 36 | 21 22 | 0 50 | 22 10 | 0 54 | 23 36 | 0 10 | 17 19 | 1 46 | 8 49 | 11 11 | 7 27 | 7 15 | 11 48 | 11 41 | 0 7 |
| S 17 | 12 36 | 23 22 | 5 1 | 4 0 | 1 49 | 5 29 | 0 23 | 23 56 | 0 39 | 21 21 | 0 50 | 22 11 | 0 54 | 23 36 | 0 10 | 17 19 | 1 46 | 8 49 | 11 11 | 7 27 | 7 14 | 11 52 | 11 42 | 0 7 |
| M18 | 12 56 | 19 10 | 4 32 | 3 50 | 2 1 | 5 12 | 0 29 | 23 59 | 0 42 | 21 19 | 0 50 | 22 11 | 0 54 | 23 35 | 0 10 | 17 18 | 1 46 | 8 50 | 11 11 | 7 27 | 7 13 | 11 55 | 11 44 | 0 7 |
| T 19 | 13 16 | 14 15 | 3 51 | 3 42 | 2 13 | 4 54 | 0 34 | 24 3 | 0 45 | 21 18 | 0 50 | 22 12 | 0 54 | 23 35 | 0 10 | 17 18 | 1 46 | 8 50 | 11 11 | 7 28 | 7 12 | 11 58 | 11 45 | 0 7 |
| W20 | 13 35 | 8 53 | 3 0 | 3 37 | 2 23 | 4 36 | 0 40 | 24 6 | 0 48 | 21 17 | 0 49 | 22 13 | 0 54 | 23 35 | 0 10 | 17 18 | 1 46 | 8 50 | 11 11 | 7 28 | 7 11 | 12 1 | 11 46 | 0 7 |
| T 21 | 13 54 | 3 15 | 2 2 | 3 34 | 2 32 | 4 18 | 0 45 | 24 10 | 0 51 | 21 16 | 0 49 | 22 13 | 0 54 | 23 35 | 0 10 | 17 17 | 1 47 | 8 51 | 11 11 | 7 29 | 7 9 | 12 4 | 11 48 | 0 8 |
| F 22 | 14 13 | 2s26 | 0 59 | 3 34 | 2 41 | 3 59 | 0 50 | 24 13 | 0 54 | 21 14 | 0 49 | 22 14 | 0 54 | 23 35 | 0 10 | 17 17 | 1 47 | 8 51 | 11 11 | 7 29 | 7 8 | 12 8 | 11 49 | 0 8 |
| S 23 | 14 32 | 8 0 | 0s 6 | 3 36 | 2 49 | 3 40 | 0 55 | 24 17 | 0 57 | 21 13 | 0 49 | 22 15 | 0 53 | 23 35 | 0 10 | 17 16 | 1 47 | 8 52 | 11 10 | 7 29 | 7 7 | 12 11 | 11 50 | 0 8 |
| S 24 | 14 50 | 13 19 | 1 11 | 3 41 | 2 55 | 3 21 | 1 0 | 24 20 | 1 0 | 21 12 | 0 49 | 22 15 | 0 53 | 23 35 | 0 10 | 17 16 | 1 47 | 8 52 | 11 10 | 7 29 | 7 6 | 12 14 | 11 52 | 0 8 |
| M25 | 15 8 | 18 9 | 2 12 | 3 48 | 3 1 | 3 1 | 1 4 | 24 23 | 1 3 | 21 10 | 0 49 | 22 16 | 0 53 | 23 35 | 0 10 | 17 16 | 1 47 | 8 52 | 11 10 | 7 29 | 7 4 | 12 17 | 11 53 | 0 8 |
| T 26 | 15 26 | 22 19 | 3 8 | 3 58 | 3 6 | 2 42 | 1 9 | 24 27 | 1 7 | 21 9 | 0 49 | 22 17 | 0 53 | 23 35 | 0 10 | 17 15 | 1 47 | 8 53 | 11 10 | 7 28 | 7 3 | 12 20 | 11 54 | 0 8 |
| W27 | 15 44 | 25 34 | 3 56 | 4 10 | 3 10 | 2 21 | 1 13 | 24 30 | 1 10 | 21 7 | 0 49 | 22 17 | 0 53 | 23 35 | 0 10 | 17 15 | 1 47 | 8 53 | 11 10 | 7 26 | 7 2 | 12 24 | 11 55 | 0 8 |
| T 28 | 16 2 | 27 43 | 4 35 | 4 23 | 3 14 | 2 1 | 1 17 | 24 34 | 1 14 | 21 6 | 0 49 | 22 18 | 0 53 | 23 35 | 0 10 | 17 15 | 1 47 | 8 53 | 11 10 | 7 25 | 7 1 | 12 27 | 11 57 | 0 8 |
| F 29 | 16 19 | 28 33 | 5 1 | 4 39 | 3 16 | 1 40 | 1 21 | 24 37 | 1 17 | 21 4 | 0 49 | 22 18 | 0 53 | 23 35 | 0 10 | 17 14 | 1 47 | 8 54 | 11 10 | 7 23 | 7 0 | 12 30 | 11 58 | 0 8 |
| S 30 | 16n36 | 27s56 | 5s13 | 4n57 | 3s18 | 1s19 | 1s25 | 24s41 | 1s20 | 21n 3 | 0n49 | 22n19 | 0s52 | 23s35 | 0s10 | 17s14 | 1n47 | 8n54 | 11s10 | 7n22 | 6n58 | 12s33 | 11n59 | 0s 8 |

Julian Day Number = 2140820.5, Delta T = 15m20s
Ecliptic obliquity = 23°33'08, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'44, Lahiri = 11°59'45 Julian Calendar 1 Apr. 1149 == Greg. Calendar 8 Apr. 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## MAY 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 1 7 | 16♉35'19 | 27♊18 | 21♈18 | 0♈59 | 22°R36 | 0♌ 7 | 20♊21 | 23°R50 | 24°R20 | 27♉57 | 18°R40 | 17♈38 | 0♏ 6 | 1♉45 | S 1 |
| M 2 | 15 5 3 | 17°32'59 | 10♒20 | 22°16 | 2° 1 | 22♐35 | 0°14 | 20°28 | 23♐48 | 24♏19 | 27°59 | 18♈38 | 17°35 | 0°13 | 1°49 | M 2 |
| T 3 | 15 9 0 | 18°30'37 | 23°43 | 23°17 | 3° 4 | 22°33 | 0°22 | 20°35 | 23°46 | 24°17 | 28° 0 | 18°D38 | 17°32 | 0°20 | 1°52 | T 3 |
| W 4 | 15 12 56 | 19°28'14 | 7♓27 | 24°22 | 4° 6 | 22°31 | 0°29 | 20°42 | 23°44 | 24°16 | 28° 2 | 18°39 | 17°29 | 0°26 | 1°56 | W 4 |
| T 5 | 15 16 53 | 20°25'50 | 21°35 | 25°29 | 5° 9 | 22°28 | 0°37 | 20°50 | 23°43 | 24°14 | 28° 3 | 18°41 | 17°25 | 0°33 | 2° 0 | T 5 |
| F 6 | 15 20 49 | 21°23'26 | 6♈ 4 | 26°39 | 6°12 | 22°23 | 0°45 | 20°57 | 23°41 | 24°12 | 28° 4 | 18°42 | 17°22 | 0°39 | 2° 4 | F 6 |
| S 7 | 15 24 46 | 22°21'00 | 20°52 | 27°52 | 7°15 | 22°19 | 0°53 | 21° 4 | 23°39 | 24°11 | 28° 6 | 18°R42 | 17°19 | 0°46 | 2° 7 | S 7 |
| S 8 | 15 28 43 | 23°18'33 | 5♉54 | 29° 8 | 8°19 | 22°13 | 1° 1 | 21°11 | 23°37 | 24° 9 | 28° 7 | 18°41 | 17°16 | 0°53 | 2°11 | S 8 |
| M 9 | 15 32 39 | 24°16'06 | 21° 1 | 0♉27 | 9°23 | 22° 7 | 1°10 | 21°18 | 23°35 | 24° 8 | 28° 8 | 18°39 | 17°13 | 0°59 | 2°15 | M 9 |
| T 10 | 15 36 36 | 25°13'37 | 6♊ 4 | 1°48 | 10°27 | 22° 0 | 1°18 | 21°26 | 23°33 | 24° 6 | 28°10 | 18°35 | 17° 9 | 1° 6 | 2°18 | T 10 |
| W11 | 15 40 32 | 26°11'07 | 20°54 | 3°12 | 11°31 | 21°52 | 1°27 | 21°33 | 23°31 | 24° 4 | 28°11 | 18°29 | 17° 6 | 1°13 | 2°22 | W11 |
| T 12 | 15 44 29 | 27° 8'37 | 5♋23 | 4°39 | 12°35 | 21°43 | 1°35 | 21°40 | 23°29 | 24° 3 | 28°12 | 18°23 | 17° 3 | 1°19 | 2°26 | T 12 |
| F 13 | 15 48 25 | 28° 6'04 | 19°27 | 6° 8 | 13°40 | 21°34 | 1°44 | 21°48 | 23°26 | 24° 1 | 28°14 | 18°18 | 17° 0 | 1°26 | 2°29 | F 13 |
| S 14 | 15 52 22 | 29° 3'31 | 3♌ 2 | 7°40 | 14°44 | 21°24 | 1°53 | 21°55 | 23°24 | 23°59 | 28°15 | 18°14 | 16°57 | 1°33 | 2°33 | S 14 |
| S 15 | 15 56 19 | 0♊ 0'56 | 16°10 | 9°14 | 15°49 | 21°13 | 2° 2 | 22° 3 | 23°22 | 23°58 | 28°17 | 18°11 | 16°54 | 1°39 | 2°37 | S 15 |
| M16 | 16 0 15 | 0°58'20 | 28°52 | 10°51 | 16°54 | 21° 2 | 2°11 | 22°10 | 23°20 | 23°56 | 28°18 | 18°D10 | 16°50 | 1°46 | 2°40 | M16 |
| T 17 | 16 4 12 | 1°55'43 | 11♍14 | 12°30 | 18° 0 | 20°50 | 2°20 | 22°18 | 23°18 | 23°55 | 28°19 | 18°11 | 16°47 | 1°53 | 2°44 | T 17 |
| W18 | 16 8 8 | 2°53'05 | 23°20 | 14°12 | 19° 5 | 20°37 | 2°29 | 22°25 | 23°16 | 23°53 | 28°21 | 18°12 | 16°44 | 1°59 | 2°47 | W18 |
| T 19 | 16 12 5 | 3°50'25 | 5♎15 | 15°57 | 20°11 | 20°24 | 2°39 | 22°33 | 23°13 | 23°51 | 28°22 | 18°13 | 16°41 | 2° 6 | 2°51 | T 19 |
| F 20 | 16 16 1 | 4°47'44 | 17° 4 | 17°44 | 21°16 | 20°10 | 2°48 | 22°40 | 23°11 | 23°50 | 28°23 | 18°R14 | 16°38 | 2°13 | 2°54 | F 20 |
| S 21 | 16 19 58 | 5°45'03 | 28°51 | 19°33 | 22°22 | 19°55 | 2°58 | 22°48 | 23° 9 | 23°48 | 28°25 | 18°13 | 16°35 | 2°19 | 2°58 | S 21 |
| S 22 | 16 23 54 | 6°42'21 | 10♏39 | 21°25 | 23°28 | 19°41 | 3° 7 | 22°55 | 23° 7 | 23°47 | 28°26 | 18°11 | 16°31 | 2°26 | 3° 1 | S 22 |
| M23 | 16 27 51 | 7°39'37 | 22°33 | 23°20 | 24°34 | 19°25 | 3°17 | 23° 3 | 23° 4 | 23°45 | 28°28 | 18° 6 | 16°28 | 2°33 | 3° 5 | M23 |
| T 24 | 16 31 48 | 8°36'53 | 4♐34 | 25°16 | 25°41 | 19° 9 | 3°27 | 23°11 | 23° 2 | 23°44 | 28°29 | 17°59 | 16°25 | 2°39 | 3° 8 | T 24 |
| W25 | 16 35 44 | 9°34'09 | 16°45 | 27°15 | 26°47 | 18°53 | 3°37 | 23°18 | 23° 0 | 23°42 | 28°30 | 17°51 | 16°22 | 2°46 | 3°11 | W25 |
| T 26 | 16 39 41 | 10°31'24 | 29° 5 | 29°16 | 27°54 | 18°36 | 3°47 | 23°26 | 22°57 | 23°40 | 28°32 | 17°42 | 16°19 | 2°52 | 3°15 | T 26 |
| F 27 | 16 43 37 | 11°28'38 | 11♑37 | 1♊19 | 29° 1 | 18°19 | 3°57 | 23°34 | 22°55 | 23°39 | 28°33 | 17°32 | 16°15 | 2°59 | 3°18 | F 27 |
| S 28 | 16 47 34 | 12°25'52 | 24°20 | 3°24 | 0♉ 8 | 18° 1 | 4° 7 | 23°41 | 22°52 | 23°37 | 28°34 | 17°24 | 16°12 | 3° 6 | 3°21 | S 28 |
| S 29 | 16 51 30 | 13°23'06 | 7♒16 | 5°31 | 1°15 | 17°43 | 4°18 | 23°49 | 22°50 | 23°36 | 28°36 | 17°17 | 16° 9 | 3°12 | 3°24 | S 29 |
| M30 | 16 55 27 | 14°20'19 | 20°26 | 7°39 | 2°22 | 17°25 | 4°28 | 23°57 | 22°48 | 23°34 | 28°37 | 17°12 | 16° 6 | 3°19 | 3°28 | M30 |
| T 31 | 16 59 23 | 15♊17'32 | 3♓50 | 9♊48 | 3♉29 | 17♐ 7 | 4♌38 | 24♊ 5 | 22♐45 | 23♏33 | 28♉38 | 17♈10 | 16♈ 3 | 3♏26 | 3♉31 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n52 | 25s52 | 5s10 | 5n17 | 3s19 | 0s58 | 1s29 | 24s45 | 1s24 | 21n 1 | 0n49 | 22n20 | 0s52 | 23s35 | 0s10 | 17s13 | 1n47 | 8n55 | 11s10 | 7n21 | 6n57 | 12s36 | 12n 0 | 0s 8 |
| M 2 | 17 9 | 22 24 | 4 52 | 5 38 | 3 19 | 0 36 | 1 32 | 24 48 | 1 28 | 20 59 | 0 49 | 22 20 | 0 52 | 23 35 | 0 10 | 17 13 | 1 47 | 8 55 | 11 10 | 7 20 | 6 56 | 12 39 | 12 2 | 0 8 |
| T 3 | 17 25 | 17 43 | 4 17 | 6 1 | 3 18 | 0 15 | 1 36 | 24 52 | 1 31 | 20 58 | 0 49 | 22 21 | 0 52 | 23 35 | 0 10 | 17 13 | 1 47 | 8 55 | 11 9 | 7 20 | 6 55 | 12 43 | 12 3 | 0 8 |
| W 4 | 17 41 | 12 1 | 3 27 | 6 26 | 3 17 | 0n 7 | 1 39 | 24 55 | 1 35 | 20 56 | 0 49 | 22 22 | 0 52 | 23 35 | 0 10 | 17 12 | 1 47 | 8 56 | 11 9 | 7 21 | 6 54 | 12 46 | 12 4 | 0 9 |
| T 5 | 17 56 | 5 33 | 2 23 | 6 52 | 3 15 | 0 29 | 1 42 | 24 59 | 1 39 | 20 54 | 0 49 | 22 22 | 0 52 | 23 34 | 0 10 | 17 12 | 1 47 | 8 56 | 11 9 | 7 21 | 6 52 | 12 49 | 12 5 | 0 9 |
| F 6 | 18 12 | 1n22 | 1 9 | 7 20 | 3 12 | 0 52 | 1 45 | 25 2 | 1 42 | 20 53 | 0 49 | 22 23 | 0 52 | 23 34 | 0 10 | 17 11 | 1 47 | 8 56 | 11 9 | 7 22 | 6 51 | 12 52 | 12 7 | 0 9 |
| S 7 | 18 27 | 8 22 | 0n12 | 7 49 | 3 9 | 1 14 | 1 48 | 25 6 | 1 46 | 20 51 | 0 49 | 22 24 | 0 52 | 23 34 | 0 10 | 17 11 | 1 47 | 8 57 | 11 9 | 7 22 | 6 50 | 12 55 | 12 8 | 0 9 |
| S 8 | 18 41 | 15 0 | 1 33 | 8 20 | 3 5 | 1 37 | 1 51 | 25 9 | 1 50 | 20 49 | 0 49 | 22 24 | 0 51 | 23 34 | 0 10 | 17 11 | 1 47 | 8 57 | 11 9 | 7 21 | 6 49 | 12 58 | 12 9 | 0 9 |
| M 9 | 18 56 | 20 47 | 2 47 | 8 52 | 3 1 | 2 0 | 1 54 | 25 13 | 1 54 | 20 47 | 0 49 | 22 25 | 0 51 | 23 34 | 0 10 | 17 10 | 1 47 | 8 57 | 11 9 | 7 20 | 6 47 | 13 1 | 12 10 | 0 9 |
| T 10 | 19 10 | 25 11 | 3 50 | 9 25 | 2 56 | 2 22 | 1 56 | 25 16 | 1 58 | 20 45 | 0 48 | 22 25 | 0 51 | 23 34 | 0 10 | 17 10 | 1 47 | 8 58 | 11 9 | 7 19 | 6 46 | 13 5 | 12 11 | 0 9 |
| W11 | 19 23 | 27 49 | 4 36 | 9 59 | 2 50 | 2 45 | 1 59 | 25 20 | 2 2 | 20 43 | 0 48 | 22 26 | 0 51 | 23 34 | 0 10 | 17 9 | 1 47 | 8 58 | 11 9 | 7 17 | 6 45 | 13 8 | 12 13 | 0 9 |
| T 12 | 19 37 | 28 29 | 5 3 | 10 34 | 2 44 | 3 8 | 2 1 | 25 23 | 2 6 | 20 41 | 0 48 | 22 26 | 0 51 | 23 34 | 0 10 | 17 9 | 1 47 | 8 58 | 11 9 | 7 15 | 6 44 | 13 11 | 12 14 | 0 9 |
| F 13 | 19 50 | 27 15 | 5 11 | 11 10 | 2 37 | 3 32 | 2 3 | 25 27 | 2 10 | 20 39 | 0 48 | 22 27 | 0 51 | 23 34 | 0 11 | 17 9 | 1 47 | 8 59 | 11 9 | 7 13 | 6 43 | 13 14 | 12 15 | 0 9 |
| S 14 | 20 3 | 24 26 | 5 0 | 11 46 | 2 29 | 3 55 | 2 5 | 25 30 | 2 14 | 20 37 | 0 48 | 22 28 | 0 51 | 23 34 | 0 11 | 17 8 | 1 47 | 8 59 | 11 9 | 7 11 | 6 41 | 13 17 | 12 16 | 0 9 |
| S 15 | 20 15 | 20 26 | 4 35 | 12 24 | 2 22 | 4 18 | 2 7 | 25 33 | 2 18 | 20 35 | 0 48 | 22 28 | 0 51 | 23 34 | 0 11 | 17 8 | 1 47 | 8 59 | 11 9 | 7 10 | 6 40 | 13 20 | 12 17 | 0 9 |
| M16 | 20 27 | 15 36 | 3 56 | 13 2 | 2 13 | 4 42 | 2 9 | 25 36 | 2 22 | 20 33 | 0 48 | 22 29 | 0 50 | 23 34 | 0 11 | 17 7 | 1 47 | 9 0 | 11 9 | 7 10 | 6 39 | 13 23 | 12 19 | 0 9 |
| T 17 | 20 39 | 10 16 | 3 7 | 13 41 | 2 5 | 5 5 | 2 10 | 25 40 | 2 26 | 20 31 | 0 48 | 22 29 | 0 50 | 23 33 | 0 11 | 17 7 | 1 47 | 9 0 | 11 9 | 7 10 | 6 38 | 13 26 | 12 20 | 0 10 |
| W18 | 20 50 | 4 40 | 2 11 | 14 20 | 1 56 | 5 29 | 2 12 | 25 43 | 2 30 | 20 29 | 0 48 | 22 30 | 0 50 | 23 33 | 0 11 | 17 7 | 1 47 | 9 0 | 11 9 | 7 10 | 6 36 | 13 30 | 12 21 | 0 10 |
| T 19 | 21 1 | 1s 2 | 1 10 | 15 0 | 1 46 | 5 52 | 2 13 | 25 46 | 2 34 | 20 27 | 0 48 | 22 30 | 0 50 | 23 33 | 0 11 | 17 6 | 1 47 | 9 1 | 11 9 | 7 11 | 6 35 | 13 33 | 12 22 | 0 10 |
| F 20 | 21 12 | 6 38 | 0 6 | 15 40 | 1 36 | 6 16 | 2 14 | 25 49 | 2 38 | 20 24 | 0 48 | 22 31 | 0 50 | 23 33 | 0 11 | 17 6 | 1 47 | 9 1 | 11 9 | 7 11 | 6 34 | 13 36 | 12 23 | 0 10 |
| S 21 | 21 22 | 12 0 | 0s57 | 16 20 | 1 26 | 6 39 | 2 15 | 25 52 | 2 42 | 20 22 | 0 48 | 22 31 | 0 50 | 23 33 | 0 11 | 17 6 | 1 46 | 9 1 | 11 9 | 7 11 | 6 33 | 13 39 | 12 24 | 0 10 |
| S 22 | 21 32 | 16 58 | 1 58 | 16 59 | 1 15 | 7 3 | 2 16 | 25 55 | 2 46 | 20 20 | 0 48 | 22 32 | 0 50 | 23 33 | 0 11 | 17 5 | 1 46 | 9 1 | 11 9 | 7 10 | 6 32 | 13 42 | 12 25 | 0 10 |
| M23 | 21 41 | 21 18 | 2 54 | 17 39 | 1 5 | 7 26 | 2 17 | 25 57 | 2 50 | 20 18 | 0 48 | 22 32 | 0 50 | 23 33 | 0 11 | 17 5 | 1 46 | 9 2 | 11 9 | 7 8 | 6 30 | 13 45 | 12 26 | 0 10 |
| T 24 | 21 51 | 24 48 | 3 43 | 18 18 | 0 54 | 7 50 | 2 18 | 26 0 | 2 54 | 20 15 | 0 48 | 22 33 | 0 50 | 23 33 | 0 11 | 17 4 | 1 46 | 9 2 | 11 9 | 7 5 | 6 29 | 13 48 | 12 27 | 0 10 |
| W25 | 21 59 | 27 14 | 4 22 | 18 57 | 0 43 | 8 13 | 2 19 | 26 3 | 2 58 | 20 13 | 0 48 | 22 33 | 0 50 | 23 33 | 0 11 | 17 4 | 1 46 | 9 2 | 11 9 | 7 2 | 6 28 | 13 51 | 12 28 | 0 10 |
| T 26 | 22 8 | 28 23 | 4 50 | 19 34 | 0 32 | 8 37 | 2 19 | 26 5 | 3 2 | 20 10 | 0 48 | 22 34 | 0 49 | 23 32 | 0 11 | 17 4 | 1 46 | 9 3 | 11 9 | 6 59 | 6 27 | 13 54 | 12 30 | 0 10 |
| F 27 | 22 16 | 28 5 | 5 4 | 20 11 | 0 21 | 9 0 | 2 20 | 26 7 | 3 6 | 20 8 | 0 48 | 22 34 | 0 49 | 23 32 | 0 11 | 17 3 | 1 46 | 9 3 | 11 9 | 6 55 | 6 25 | 13 58 | 12 31 | 0 10 |
| S 28 | 22 24 | 26 19 | 5 3 | 20 47 | 0 9 | 9 23 | 2 20 | 26 10 | 3 10 | 20 6 | 0 48 | 22 35 | 0 49 | 23 32 | 0 11 | 17 3 | 1 46 | 9 3 | 11 9 | 6 52 | 6 24 | 14 1 | 12 32 | 0 10 |
| S 29 | 22 31 | 23 10 | 4 47 | 21 21 | 0n 1 | 9 46 | 2 20 | 26 12 | 3 14 | 20 3 | 0 48 | 22 35 | 0 49 | 23 32 | 0 11 | 17 3 | 1 46 | 9 3 | 11 9 | 6 49 | 6 23 | 14 4 | 12 33 | 0 10 |
| M30 | 22 38 | 18 47 | 4 16 | 21 53 | 0 12 | 10 9 | 2 20 | 26 14 | 3 17 | 20 1 | 0 48 | 22 36 | 0 49 | 23 32 | 0 11 | 17 2 | 1 46 | 9 4 | 11 9 | 6 47 | 6 22 | 14 7 | 12 34 | 0 11 |
| T 31 | 22n44 | 13s25 | 3s30 | 22n24 | 0n23 | 10n32 | 2s20 | 26s16 | 3s21 | 19n58 | 0n48 | 22n36 | 0s49 | 23s32 | 0s11 | 17s 2 | 1n46 | 9n 4 | 11s 9 | 6n46 | 6n20 | 14s10 | 12n35 | 0s11 |

Julian Day Number = 2140850.5, Delta T = 15m20s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'48, Lahiri = 11°59'49 Julian Calendar 1 May 1149 == Greg. Calendar 8 May 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## JUNE 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 3 20 | 16♊14'44 | 17♓31 | 11♊58 | 4♉37 | 16°R49 | 4♌49 | 24♊12 | 22°R43 | 23°R31 | 28♉40 | 17°D 9 | 16♈ 0 | 3♏32 | 3♉34 | W 1 |
| T 2 | 17 7 17 | 17°11'57 | 1♈28 | 14° 9 | 5°44 | 16♐30 | 5° 0 | 24°20 | 22♐40 | 23♏30 | 28°41 | 17♈ 9 | 15°56 | 3°39 | 3°37 | T 2 |
| F 3 | 17 11 13 | 18° 9'10 | 15°42 | 16°20 | 6°52 | 16°11 | 5°10 | 24°28 | 22°38 | 23°29 | 28°42 | 17°R10 | 15°53 | 3°46 | 3°40 | F 3 |
| S 4 | 17 15 10 | 19° 6'22 | 0♉12 | 18°32 | 8° 0 | 15°52 | 5°21 | 24°36 | 22°36 | 23°27 | 28°44 | 17° 9 | 15°50 | 3°52 | 3°43 | S 4 |
| S 5 | 17 19 6 | 20° 3'35 | 14°55 | 20°43 | 9° 7 | 15°34 | 5°32 | 24°44 | 22°33 | 23°26 | 28°45 | 17° 7 | 15°47 | 3°59 | 3°46 | S 5 |
| M 6 | 17 23 3 | 21° 0'47 | 29°44 | 22°54 | 10°15 | 15°15 | 5°43 | 24°51 | 22°31 | 23°24 | 28°46 | 17° 2 | 15°44 | 4° 6 | 3°49 | M 6 |
| T 7 | 17 26 59 | 21°57'59 | 14♊33 | 25° 4 | 11°24 | 14°56 | 5°54 | 24°59 | 22°28 | 23°23 | 28°47 | 16°54 | 15°41 | 4°12 | 3°52 | T 7 |
| W 8 | 17 30 56 | 22°55'12 | 29°14 | 27°13 | 12°32 | 14°38 | 6° 5 | 25° 7 | 22°26 | 23°22 | 28°49 | 16°45 | 15°37 | 4°19 | 3°55 | W 8 |
| T 9 | 17 34 52 | 23°52'24 | 13♋38 | 29°22 | 13°40 | 14°20 | 6°16 | 25°15 | 22°23 | 23°20 | 28°50 | 16°35 | 15°34 | 4°26 | 3°58 | T 9 |
| F 10 | 17 38 49 | 24°49'35 | 27°40 | 1♋29 | 14°48 | 14° 2 | 6°27 | 25°23 | 22°21 | 23°19 | 28°51 | 16°25 | 15°31 | 4°32 | 4° 0 | F 10 |
| S 11 | 17 42 46 | 25°46'47 | 11♌17 | 3°34 | 15°57 | 13°44 | 6°39 | 25°31 | 22°19 | 23°18 | 28°52 | 16°16 | 15°28 | 4°39 | 4° 3 | S 11 |
| S 12 | 17 46 42 | 26°43'58 | 24°26 | 5°38 | 17° 6 | 13°26 | 6°50 | 25°38 | 22°16 | 23°16 | 28°54 | 16°10 | 15°25 | 4°46 | 4° 6 | S 12 |
| M13 | 17 50 39 | 27°41'09 | 7♍11 | 7°41 | 18°14 | 13° 9 | 7° 2 | 25°46 | 22°14 | 23°15 | 28°55 | 16° 6 | 15°21 | 4°52 | 4° 9 | M13 |
| T 14 | 17 54 35 | 28°38'19 | 19°34 | 9°41 | 19°23 | 12°53 | 7°13 | 25°54 | 22°11 | 23°14 | 28°56 | 16° 4 | 15°18 | 4°59 | 4°11 | T 14 |
| W15 | 17 58 32 | 29°35'29 | 1♎41 | 11°40 | 20°32 | 12°37 | 7°25 | 26° 2 | 22° 9 | 23°12 | 28°57 | 16°D 4 | 15°15 | 5° 6 | 4°14 | W15 |
| T 16 | 18 2 28 | 0♋32'39 | 13°36 | 13°37 | 21°41 | 12°21 | 7°36 | 26°10 | 22° 6 | 23°11 | 28°59 | 16°R 4 | 15°12 | 5°12 | 4°16 | T 16 |
| F 17 | 18 6 25 | 1°29'49 | 25°25 | 15°32 | 22°50 | 12° 6 | 7°48 | 26°18 | 22° 4 | 23°10 | 29° 0 | 16° 4 | 15° 9 | 5°19 | 4°19 | F 17 |
| S 18 | 18 10 21 | 2°26'58 | 7♏13 | 17°25 | 23°59 | 11°52 | 8° 0 | 26°25 | 22° 2 | 23° 9 | 29° 1 | 16° 2 | 15° 6 | 5°26 | 4°21 | S 18 |
| S 19 | 18 14 18 | 3°24'08 | 19° 5 | 19°16 | 25° 8 | 11°38 | 8°11 | 26°33 | 21°59 | 23° 8 | 29° 2 | 15°58 | 15° 2 | 5°32 | 4°24 | S 19 |
| M20 | 18 18 15 | 4°21'18 | 1♐ 4 | 21° 5 | 26°18 | 11°24 | 8°23 | 26°41 | 21°57 | 23° 7 | 29° 3 | 15°52 | 14°59 | 5°39 | 4°26 | M20 |
| T 21 | 18 22 11 | 5°18'27 | 13°14 | 22°52 | 27°27 | 11°12 | 8°35 | 26°49 | 21°55 | 23° 6 | 29° 4 | 15°42 | 14°56 | 5°45 | 4°28 | T 21 |
| W22 | 18 26 8 | 6°15'37 | 25°37 | 24°37 | 28°36 | 11° 0 | 8°47 | 26°56 | 21°52 | 23° 4 | 29° 6 | 15°31 | 14°53 | 5°52 | 4°31 | W22 |
| T 23 | 18 30 4 | 7°12'47 | 8♑14 | 26°21 | 29°46 | 10°49 | 8°59 | 27° 4 | 21°50 | 23° 3 | 29° 7 | 15°19 | 14°50 | 5°59 | 4°33 | T 23 |
| F 24 | 18 34 1 | 8° 9'58 | 21° 4 | 28° 2 | 0♊56 | 10°38 | 9°11 | 27°12 | 21°48 | 23° 2 | 29° 8 | 15° 6 | 14°47 | 6° 5 | 4°35 | F 24 |
| S 25 | 18 37 57 | 9° 7'09 | 4♒ 7 | 29°41 | 2° 5 | 10°28 | 9°23 | 27°20 | 21°45 | 23° 1 | 29° 9 | 14°54 | 14°43 | 6°12 | 4°37 | S 25 |
| S 26 | 18 41 54 | 10° 4'20 | 17°22 | 1♌19 | 3°15 | 10°19 | 9°35 | 27°27 | 21°43 | 23° 0 | 29°10 | 14°45 | 14°40 | 6°19 | 4°40 | S 26 |
| M27 | 18 45 51 | 11° 1'32 | 0♓48 | 2°54 | 4°25 | 10°11 | 9°48 | 27°35 | 21°41 | 22°59 | 29°11 | 14°38 | 14°37 | 6°25 | 4°42 | M27 |
| T 28 | 18 49 47 | 11°58'44 | 14°24 | 4°27 | 5°35 | 10° 4 | 10° 0 | 27°43 | 21°39 | 22°58 | 29°12 | 14°34 | 14°34 | 6°32 | 4°44 | T 28 |
| W29 | 18 53 44 | 12°55'57 | 28°10 | 5°59 | 6°45 | 9°57 | 10°12 | 27°50 | 21°36 | 22°58 | 29°13 | 14°32 | 14°31 | 6°39 | 4°46 | W29 |
| T 30 | 18 57 40 | 13♋53'11 | 12♈ 6 | 7♌28 | 7♊55 | 9♐51 | 10♌24 | 27♊58 | 21♐34 | 22♏57 | 29♉14 | 14♈32 | 14♈27 | 6♏45 | 4♉47 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n50 | 7s17 | 2s32 | 22n52 | 0n33 | 10n55 | 2s20 | 26s17 | 3s25 | 19n55 | 0n48 | 22n37 | 0s49 | 23s32 | 0s11 | 17s 2 | 1n46 | 9n 4 | 11s 9 | 6n46 | 6n19 | 14s13 | 12n36 | 0s11 |
| T 2 | 22 56 | 0 41 | 1 23 | 23 19 | 0 43 | 11 18 | 2 20 | 26 19 | 3 28 | 19 53 | 0 48 | 22 37 | 0 49 | 23 32 | 0 11 | 17 1 | 1 46 | 9 4 | 11 9 | 6 46 | 6 18 | 14 16 | 12 37 | 0 11 |
| F 3 | 23 1 | 6n 5 | 0 8 | 23 43 | 0 52 | 11 40 | 2 20 | 26 20 | 3 32 | 19 50 | 0 48 | 22 38 | 0 49 | 23 32 | 0 11 | 17 1 | 1 46 | 9 5 | 11 9 | 6 46 | 6 17 | 14 19 | 12 38 | 0 11 |
| S 4 | 23 6 | 12 40 | 1n 9 | 24 4 | 1 1 | 12 3 | 2 19 | 26 22 | 3 35 | 19 48 | 0 48 | 22 38 | 0 49 | 23 31 | 0 11 | 17 1 | 1 46 | 9 5 | 11 9 | 6 46 | 6 16 | 14 22 | 12 39 | 0 11 |
| S 5 | 23 11 | 18 39 | 2 22 | 24 22 | 1 9 | 12 25 | 2 19 | 26 23 | 3 38 | 19 45 | 0 48 | 22 38 | 0 48 | 23 31 | 0 11 | 17 0 | 1 46 | 9 5 | 11 9 | 6 45 | 6 14 | 14 25 | 12 39 | 0 11 |
| M 6 | 23 15 | 23 33 | 3 27 | 24 38 | 1 17 | 12 47 | 2 18 | 26 24 | 3 41 | 19 42 | 0 48 | 22 39 | 0 48 | 23 31 | 0 11 | 17 0 | 1 46 | 9 5 | 11 9 | 6 43 | 6 13 | 14 28 | 12 40 | 0 11 |
| T 7 | 23 18 | 26 54 | 4 17 | 24 51 | 1 24 | 13 8 | 2 17 | 26 25 | 3 44 | 19 39 | 0 48 | 22 39 | 0 48 | 23 31 | 0 11 | 17 0 | 1 46 | 9 5 | 11 9 | 6 40 | 6 12 | 14 31 | 12 41 | 0 11 |
| W 8 | 23 22 | 28 22 | 4 49 | 25 1 | 1 30 | 13 30 | 2 17 | 26 26 | 3 47 | 19 37 | 0 48 | 22 40 | 0 48 | 23 31 | 0 11 | 16 59 | 1 46 | 9 6 | 11 9 | 6 37 | 6 11 | 14 34 | 12 42 | 0 11 |
| T 9 | 23 25 | 27 52 | 5 3 | 25 8 | 1 35 | 13 51 | 2 16 | 26 26 | 3 50 | 19 34 | 0 48 | 22 40 | 0 48 | 23 31 | 0 11 | 16 59 | 1 46 | 9 6 | 11 9 | 6 33 | 6 9 | 14 37 | 12 43 | 0 11 |
| F 10 | 23 27 | 25 35 | 4 57 | 25 13 | 1 40 | 14 12 | 2 15 | 26 27 | 3 53 | 19 31 | 0 48 | 22 40 | 0 48 | 23 31 | 0 11 | 16 59 | 1 46 | 9 6 | 11 9 | 6 29 | 6 8 | 14 41 | 12 44 | 0 11 |
| S 11 | 23 29 | 21 53 | 4 35 | 25 15 | 1 44 | 14 33 | 2 14 | 26 27 | 3 56 | 19 28 | 0 48 | 22 41 | 0 48 | 23 30 | 0 11 | 16 58 | 1 46 | 9 6 | 11 9 | 6 26 | 6 7 | 14 44 | 12 45 | 0 12 |
| S 12 | 23 31 | 17 11 | 3 59 | 25 14 | 1 48 | 14 54 | 2 13 | 26 28 | 3 58 | 19 25 | 0 48 | 22 41 | 0 48 | 23 30 | 0 11 | 16 58 | 1 46 | 9 6 | 11 9 | 6 23 | 6 6 | 14 47 | 12 46 | 0 12 |
| M13 | 23 32 | 11 52 | 3 11 | 25 10 | 1 50 | 15 14 | 2 11 | 26 28 | 4 1 | 19 22 | 0 48 | 22 41 | 0 48 | 23 30 | 0 11 | 16 58 | 1 46 | 9 7 | 11 9 | 6 22 | 6 5 | 14 50 | 12 47 | 0 12 |
| T 14 | 23 33 | 6 14 | 2 16 | 25 4 | 1 52 | 15 34 | 2 10 | 26 28 | 4 3 | 19 19 | 0 48 | 22 42 | 0 48 | 23 30 | 0 11 | 16 58 | 1 46 | 9 7 | 11 10 | 6 21 | 6 3 | 14 53 | 12 47 | 0 12 |
| W15 | 23 33 | 0 29 | 1 16 | 24 55 | 1 54 | 15 54 | 2 9 | 26 28 | 4 5 | 19 16 | 0 48 | 22 42 | 0 48 | 23 30 | 0 11 | 16 57 | 1 46 | 9 7 | 11 10 | 6 21 | 6 2 | 14 56 | 12 48 | 0 12 |
| T 16 | 23 33 | 5s11 | 0 13 | 24 45 | 1 54 | 16 13 | 2 7 | 26 28 | 4 7 | 19 13 | 0 48 | 22 42 | 0 48 | 23 30 | 0 11 | 16 57 | 1 46 | 9 7 | 11 10 | 6 21 | 6 1 | 14 59 | 12 49 | 0 12 |
| F 17 | 23 33 | 10 38 | 0s49 | 24 32 | 1 54 | 16 32 | 2 6 | 26 28 | 4 9 | 19 10 | 0 48 | 22 43 | 0 47 | 23 30 | 0 11 | 16 57 | 1 46 | 9 7 | 11 10 | 6 21 | 6 0 | 15 2 | 12 50 | 0 12 |
| S 18 | 23 32 | 15 43 | 1 50 | 24 17 | 1 53 | 16 51 | 2 4 | 26 28 | 4 11 | 19 7 | 0 48 | 22 43 | 0 47 | 23 30 | 0 11 | 16 57 | 1 46 | 9 7 | 11 10 | 6 20 | 5 58 | 15 5 | 12 50 | 0 12 |
| S 19 | 23 30 | 20 13 | 2 46 | 24 0 | 1 52 | 17 9 | 2 3 | 26 28 | 4 13 | 19 4 | 0 48 | 22 43 | 0 47 | 23 29 | 0 11 | 16 56 | 1 46 | 9 8 | 11 10 | 6 19 | 5 57 | 15 8 | 12 51 | 0 12 |
| M20 | 23 29 | 23 58 | 3 34 | 23 42 | 1 50 | 17 27 | 2 1 | 26 27 | 4 15 | 19 1 | 0 48 | 22 43 | 0 47 | 23 29 | 0 11 | 16 56 | 1 46 | 9 8 | 11 10 | 6 16 | 5 56 | 15 11 | 12 52 | 0 12 |
| T 21 | 23 27 | 26 42 | 4 14 | 23 22 | 1 47 | 17 45 | 1 59 | 26 27 | 4 16 | 18 58 | 0 48 | 22 44 | 0 47 | 23 29 | 0 11 | 16 56 | 1 46 | 9 8 | 11 10 | 6 13 | 5 55 | 15 14 | 12 53 | 0 12 |
| W22 | 23 24 | 28 11 | 4 43 | 23 0 | 1 44 | 18 2 | 1 57 | 26 27 | 4 18 | 18 55 | 0 48 | 22 44 | 0 47 | 23 29 | 0 11 | 16 56 | 1 45 | 9 8 | 11 10 | 6 8 | 5 53 | 15 17 | 12 53 | 0 13 |
| T 23 | 23 21 | 28 15 | 4 58 | 22 37 | 1 40 | 18 19 | 1 55 | 26 27 | 4 19 | 18 52 | 0 48 | 22 44 | 0 47 | 23 29 | 0 11 | 16 55 | 1 45 | 9 8 | 11 10 | 6 3 | 5 52 | 15 20 | 12 54 | 0 13 |
| F 24 | 23 18 | 26 49 | 4 59 | 22 13 | 1 35 | 18 36 | 1 53 | 26 26 | 4 20 | 18 49 | 0 48 | 22 44 | 0 47 | 23 29 | 0 11 | 16 55 | 1 45 | 9 8 | 11 10 | 5 58 | 5 51 | 15 23 | 12 55 | 0 13 |
| S 25 | 23 14 | 23 55 | 4 44 | 21 47 | 1 30 | 18 52 | 1 51 | 26 26 | 4 21 | 18 45 | 0 48 | 22 45 | 0 47 | 23 29 | 0 11 | 16 55 | 1 45 | 9 8 | 11 11 | 5 54 | 5 50 | 15 26 | 12 55 | 0 13 |
| S 26 | 23 10 | 19 43 | 4 14 | 21 21 | 1 25 | 19 7 | 1 49 | 26 26 | 4 22 | 18 42 | 0 48 | 22 45 | 0 47 | 23 28 | 0 11 | 16 55 | 1 45 | 9 8 | 11 11 | 5 50 | 5 48 | 15 29 | 12 56 | 0 13 |
| M27 | 23 5 | 14 30 | 3 29 | 20 53 | 1 19 | 19 23 | 1 47 | 26 25 | 4 23 | 18 39 | 0 48 | 22 45 | 0 47 | 23 28 | 0 11 | 16 55 | 1 45 | 9 9 | 11 11 | 5 48 | 5 47 | 15 32 | 12 57 | 0 13 |
| T 28 | 23 1 | 8 30 | 2 32 | 20 25 | 1 13 | 19 37 | 1 44 | 26 25 | 4 24 | 18 35 | 0 48 | 22 45 | 0 47 | 23 28 | 0 11 | 16 54 | 1 45 | 9 9 | 11 11 | 5 46 | 5 46 | 15 35 | 12 57 | 0 13 |
| W29 | 22 55 | 2 2 | 1 25 | 19 56 | 1 6 | 19 52 | 1 42 | 26 24 | 4 25 | 18 32 | 0 48 | 22 45 | 0 47 | 23 28 | 0 11 | 16 54 | 1 45 | 9 9 | 11 11 | 5 45 | 5 45 | 15 38 | 12 58 | 0 13 |
| T 30 | 22n49 | 4n37 | 0s13 | 19n26 | 0n59 | 20n 5 | 1s40 | 26s24 | 4s25 | 18n29 | 0n48 | 22n46 | 0s47 | 23s28 | 0s11 | 16s54 | 1n45 | 9n 9 | 11s11 | 5n45 | 5n44 | 15s41 | 12n58 | 0s13 |

Julian Day Number = 2140881.5, Delta T = 15m20s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'52, Lahiri = 11°59'53 Julian Calendar 1 June 1149 == Greg. Calendar 8 June 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## JULY 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 1 37 | 14♋50'26 | 26♈12 | 8♌56 | 9♊ 5 | 9°R46 | 10♌37 | 28♊ 6 | 21°R32 | 22°R56 | 29♉15 | 14°R31 | 14♈24 | 6♏52 | 4♉49 | F 1 |
| S 2 | 19 5 33 | 15°47'42 | 10♉27 | 10°21 | 10°16 | 9♐42 | 10°49 | 28°13 | 21♐30 | 22♏55 | 29°16 | 14♈30 | 14°21 | 6°59 | 4°51 | S 2 |
| S 3 | 19 9 30 | 16°44'58 | 24°49 | 11°44 | 11°26 | 9°38 | 11° 2 | 28°21 | 21°28 | 22°54 | 29°17 | 14°27 | 14°18 | 7° 5 | 4°53 | S 3 |
| M 4 | 19 13 26 | 17°42'16 | 9♊15 | 13° 6 | 12°37 | 9°36 | 11°14 | 28°28 | 21°26 | 22°53 | 29°18 | 14°21 | 14°15 | 7°12 | 4°55 | M 4 |
| T 5 | 19 17 23 | 18°39'35 | 23°41 | 14°25 | 13°47 | 9°34 | 11°27 | 28°36 | 21°23 | 22°53 | 29°19 | 14°12 | 14°12 | 7°19 | 4°56 | T 5 |
| W 6 | 19 21 20 | 19°36'54 | 8♋ 0 | 15°42 | 14°58 | 9°33 | 11°39 | 28°43 | 21°21 | 22°52 | 29°20 | 14° 2 | 14° 8 | 7°25 | 4°58 | W 6 |
| T 7 | 19 25 16 | 20°34'14 | 22° 7 | 16°56 | 16° 8 | 9°D33 | 11°52 | 28°51 | 21°19 | 22°51 | 29°21 | 13°50 | 14° 5 | 7°32 | 5° 0 | T 7 |
| F 8 | 19 29 13 | 21°31'35 | 5♌56 | 18° 9 | 17°19 | 9°34 | 12° 5 | 28°58 | 21°17 | 22°51 | 29°22 | 13°38 | 14° 2 | 7°39 | 5° 1 | F 8 |
| S 9 | 19 33 9 | 22°28'56 | 19°23 | 19°19 | 18°30 | 9°35 | 12°17 | 29° 6 | 21°15 | 22°50 | 29°23 | 13°28 | 13°59 | 7°45 | 5° 2 | S 9 |
| S 10 | 19 37 6 | 23°26'18 | 2♍28 | 20°26 | 19°41 | 9°38 | 12°30 | 29°13 | 21°13 | 22°49 | 29°24 | 13°21 | 13°56 | 7°52 | 5° 4 | S 10 |
| M11 | 19 41 2 | 24°23'41 | 15°11 | 21°31 | 20°52 | 9°41 | 12°43 | 29°21 | 21°12 | 22°49 | 29°25 | 13°15 | 13°53 | 7°59 | 5° 5 | M11 |
| T 12 | 19 44 59 | 25°21'04 | 27°33 | 22°34 | 22° 3 | 9°46 | 12°55 | 29°28 | 21°10 | 22°48 | 29°25 | 13°13 | 13°49 | 8° 5 | 5° 7 | T 12 |
| W13 | 19 48 55 | 26°18'28 | 9♎40 | 23°33 | 23°14 | 9°51 | 13° 8 | 29°35 | 21° 8 | 22°48 | 29°26 | 13°D12 | 13°46 | 8°12 | 5° 8 | W13 |
| T 14 | 19 52 52 | 27°15'53 | 21°36 | 24°30 | 24°25 | 9°56 | 13°21 | 29°42 | 21° 6 | 22°47 | 29°27 | 13°R12 | 13°43 | 8°19 | 5° 9 | T 14 |
| F 15 | 19 56 49 | 28°13'18 | 3♏26 | 25°24 | 25°36 | 10° 3 | 13°34 | 29°50 | 21° 4 | 22°47 | 29°28 | 13°12 | 13°40 | 8°25 | 5°10 | F 15 |
| S 16 | 20 0 45 | 29°10'44 | 15°15 | 26°15 | 26°47 | 10°10 | 13°47 | 29°57 | 21° 2 | 22°46 | 29°29 | 13°11 | 13°37 | 8°32 | 5°11 | S 16 |
| S 17 | 20 4 42 | 0♌ 8'11 | 27°10 | 27° 2 | 27°59 | 10°19 | 13°59 | 0♋ 4 | 21° 1 | 22°46 | 29°29 | 13° 8 | 13°33 | 8°39 | 5°12 | S 17 |
| M18 | 20 8 38 | 1° 5'39 | 9♐13 | 27°46 | 29°10 | 10°28 | 14°12 | 0°11 | 20°59 | 22°46 | 29°30 | 13° 2 | 13°30 | 8°45 | 5°13 | M18 |
| T 19 | 20 12 35 | 2° 3'08 | 21°31 | 28°26 | 0♋22 | 10°37 | 14°25 | 0°18 | 20°57 | 22°45 | 29°31 | 12°54 | 13°27 | 8°52 | 5°14 | T 19 |
| W20 | 20 16 31 | 3° 0'38 | 4♑ 4 | 29° 3 | 1°33 | 10°48 | 14°38 | 0°25 | 20°56 | 22°45 | 29°32 | 12°44 | 13°24 | 8°59 | 5°15 | W20 |
| T 21 | 20 20 28 | 3°58'08 | 16°55 | 29°35 | 2°45 | 10°59 | 14°51 | 0°32 | 20°54 | 22°45 | 29°32 | 12°33 | 13°21 | 9° 5 | 5°16 | T 21 |
| F 22 | 20 24 25 | 4°55'40 | 0♒ 4 | 0♍ 4 | 3°56 | 11°11 | 15° 4 | 0°39 | 20°53 | 22°44 | 29°33 | 12°22 | 13°18 | 9°12 | 5°16 | F 22 |
| S 23 | 20 28 21 | 5°53'13 | 13°28 | 0°28 | 5° 8 | 11°24 | 15°17 | 0°46 | 20°51 | 22°44 | 29°34 | 12°12 | 13°14 | 9°19 | 5°17 | S 23 |
| S 24 | 20 32 18 | 6°50'47 | 27° 7 | 0°47 | 6°20 | 11°37 | 15°30 | 0°53 | 20°50 | 22°44 | 29°34 | 12° 3 | 13°11 | 9°25 | 5°18 | S 24 |
| M25 | 20 36 14 | 7°48'22 | 10♓56 | 1° 2 | 7°32 | 11°51 | 15°43 | 1° 0 | 20°48 | 22°44 | 29°35 | 11°57 | 13° 8 | 9°32 | 5°18 | M25 |
| T 26 | 20 40 11 | 8°45'59 | 24°54 | 1°11 | 8°44 | 12° 6 | 15°56 | 1° 7 | 20°47 | 22°44 | 29°36 | 11°54 | 13° 5 | 9°39 | 5°19 | T 26 |
| W27 | 20 44 7 | 9°43'37 | 8♈56 | 1°R15 | 9°56 | 12°22 | 16° 9 | 1°13 | 20°46 | 22°44 | 29°36 | 11°D52 | 13° 2 | 9°45 | 5°19 | W27 |
| T 28 | 20 48 4 | 10°41'17 | 23° 2 | 1°14 | 11° 8 | 12°38 | 16°22 | 1°20 | 20°44 | 22°44 | 29°37 | 11°53 | 12°59 | 9°52 | 5°20 | T 28 |
| F 29 | 20 52 0 | 11°38'58 | 7♉10 | 1° 7 | 12°20 | 12°54 | 16°35 | 1°27 | 20°43 | 22°D44 | 29°37 | 11°R53 | 12°55 | 9°59 | 5°20 | F 29 |
| S 30 | 20 55 57 | 12°36'42 | 21°19 | 0°55 | 13°32 | 13°12 | 16°48 | 1°33 | 20°42 | 22°44 | 29°38 | 11°53 | 12°52 | 10° 5 | 5°20 | S 30 |
| S 31 | 20 59 53 | 13♌34'27 | 5♊27 | 0♍37 | 14♋44 | 13♐30 | 17♌ 1 | 1♋40 | 20♐41 | 22♏44 | 29♉38 | 11♈51 | 12♈49 | 10♏12 | 5♉20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n43 | 11n 7 | 1n 1 | 18n56 | 0n51 | 20n19 | 1s37 | 26s24 | 4s26 | 18n25 | 0n48 | 22n46 | 0s46 | 23s28 | 0s11 | 16s54 | 1n45 | 9n 9 | 11s11 | 5n45 | 5n42 | 15s44 | 12n59 | 0s13 | F 1 |
| S 2 | 22 37 | 17 7 | 2 12 | 18 25 | 0 43 | 20 32 | 1 35 | 26 24 | 4 26 | 18 22 | 0 48 | 22 46 | 0 46 | 23 28 | 0 11 | 16 54 | 1 45 | 9 9 | 11 11 | 5 45 | 5 41 | 15 47 | 12 59 | 0 13 | S 2 |
| S 3 | 22 30 | 22 13 | 3 16 | 17 54 | 0 35 | 20 44 | 1 32 | 26 23 | 4 27 | 18 19 | 0 48 | 22 46 | 0 46 | 23 27 | 0 11 | 16 54 | 1 45 | 9 9 | 11 12 | 5 43 | 5 40 | 15 50 | 13 0 | 0 13 | S 3 |
| M 4 | 22 22 | 26 0 | 4 7 | 17 23 | 0 26 | 20 56 | 1 30 | 26 23 | 4 27 | 18 15 | 0 48 | 22 46 | 0 46 | 23 27 | 0 11 | 16 53 | 1 45 | 9 9 | 11 12 | 5 41 | 5 39 | 15 53 | 13 0 | 0 14 | M 4 |
| T 5 | 22 15 | 28 5 | 4 42 | 16 51 | 0 17 | 21 7 | 1 27 | 26 23 | 4 27 | 18 12 | 0 48 | 22 46 | 0 46 | 23 27 | 0 11 | 16 53 | 1 45 | 9 9 | 11 12 | 5 38 | 5 37 | 15 56 | 13 1 | 0 14 | T 5 |
| W 6 | 22 7 | 28 17 | 4 59 | 16 19 | 0 7 | 21 18 | 1 25 | 26 23 | 4 27 | 18 8 | 0 48 | 22 47 | 0 46 | 23 27 | 0 11 | 16 53 | 1 45 | 9 9 | 11 12 | 5 33 | 5 36 | 15 59 | 13 1 | 0 14 | W 6 |
| T 7 | 21 58 | 26 37 | 4 57 | 15 47 | 0s 3 | 21 28 | 1 22 | 26 23 | 4 27 | 18 5 | 0 48 | 22 47 | 0 46 | 23 27 | 0 11 | 16 53 | 1 45 | 9 9 | 11 12 | 5 29 | 5 35 | 16 2 | 13 2 | 0 14 | T 7 |
| F 8 | 21 49 | 23 22 | 4 38 | 15 16 | 0 13 | 21 38 | 1 19 | 26 23 | 4 27 | 18 1 | 0 48 | 22 47 | 0 46 | 23 27 | 0 11 | 16 53 | 1 45 | 9 9 | 11 12 | 5 24 | 5 34 | 16 5 | 13 2 | 0 14 | F 8 |
| S 9 | 21 40 | 18 56 | 4 4 | 14 44 | 0 23 | 21 47 | 1 17 | 26 23 | 4 27 | 17 58 | 0 48 | 22 47 | 0 46 | 23 27 | 0 11 | 16 53 | 1 45 | 9 9 | 11 12 | 5 21 | 5 32 | 16 8 | 13 3 | 0 14 | S 9 |
| S 10 | 21 30 | 13 43 | 3 18 | 14 13 | 0 34 | 21 55 | 1 14 | 26 23 | 4 27 | 17 54 | 0 48 | 22 47 | 0 46 | 23 27 | 0 11 | 16 53 | 1 45 | 9 9 | 11 13 | 5 17 | 5 31 | 16 11 | 13 3 | 0 14 | S 10 |
| M11 | 21 20 | 8 3 | 2 23 | 13 42 | 0 45 | 22 3 | 1 11 | 26 24 | 4 26 | 17 51 | 0 48 | 22 47 | 0 46 | 23 26 | 0 11 | 16 53 | 1 45 | 9 9 | 11 13 | 5 15 | 5 30 | 16 13 | 13 3 | 0 14 | M11 |
| T 12 | 21 10 | 2 14 | 1 22 | 13 11 | 0 56 | 22 11 | 1 8 | 26 24 | 4 26 | 17 47 | 0 48 | 22 47 | 0 46 | 23 26 | 0 11 | 16 53 | 1 44 | 9 9 | 11 13 | 5 14 | 5 29 | 16 16 | 13 4 | 0 14 | T 12 |
| W13 | 20 59 | 3s34 | 0 19 | 12 41 | 1 7 | 22 17 | 1 6 | 26 24 | 4 26 | 17 43 | 0 48 | 22 47 | 0 46 | 23 26 | 0 11 | 16 52 | 1 44 | 9 9 | 11 13 | 5 14 | 5 27 | 16 19 | 13 4 | 0 14 | W13 |
| T 14 | 20 48 | 9 9 | 0s44 | 12 11 | 1 19 | 22 23 | 1 3 | 26 25 | 4 25 | 17 40 | 0 48 | 22 47 | 0 46 | 23 26 | 0 11 | 16 52 | 1 44 | 9 9 | 11 13 | 5 14 | 5 26 | 16 22 | 13 4 | 0 15 | T 14 |
| F 15 | 20 37 | 14 22 | 1 45 | 11 42 | 1 30 | 22 29 | 1 0 | 26 25 | 4 25 | 17 36 | 0 48 | 22 47 | 0 46 | 23 26 | 0 11 | 16 52 | 1 44 | 9 9 | 11 13 | 5 14 | 5 25 | 16 25 | 13 5 | 0 15 | F 15 |
| S 16 | 20 25 | 19 4 | 2 42 | 11 14 | 1 42 | 22 34 | 0 57 | 26 26 | 4 24 | 17 32 | 0 48 | 22 47 | 0 46 | 23 26 | 0 11 | 16 52 | 1 44 | 9 9 | 11 14 | 5 14 | 5 24 | 16 28 | 13 5 | 0 15 | S 16 |
| S 17 | 20 13 | 23 2 | 3 31 | 10 47 | 1 54 | 22 38 | 0 54 | 26 26 | 4 23 | 17 29 | 0 48 | 22 47 | 0 46 | 23 26 | 0 11 | 16 52 | 1 44 | 9 9 | 11 14 | 5 12 | 5 23 | 16 31 | 13 5 | 0 15 | S 17 |
| M18 | 20 1 | 26 5 | 4 12 | 10 20 | 2 6 | 22 42 | 0 51 | 26 27 | 4 23 | 17 25 | 0 48 | 22 48 | 0 46 | 23 26 | 0 11 | 16 52 | 1 44 | 9 9 | 11 14 | 5 10 | 5 21 | 16 34 | 13 5 | 0 15 | M18 |
| T 19 | 19 48 | 27 58 | 4 42 | 9 55 | 2 18 | 22 45 | 0 48 | 26 28 | 4 22 | 17 21 | 0 48 | 22 48 | 0 46 | 23 26 | 0 11 | 16 52 | 1 44 | 9 9 | 11 14 | 5 7 | 5 20 | 16 37 | 13 6 | 0 15 | T 19 |
| W20 | 19 35 | 28 28 | 4 59 | 9 31 | 2 29 | 22 47 | 0 45 | 26 29 | 4 21 | 17 17 | 0 48 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 44 | 9 9 | 11 14 | 5 3 | 5 19 | 16 40 | 13 6 | 0 15 | W20 |
| T 21 | 19 21 | 27 27 | 5 1 | 9 9 | 2 41 | 22 49 | 0 42 | 26 29 | 4 20 | 17 14 | 0 48 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 44 | 9 9 | 11 14 | 4 59 | 5 18 | 16 43 | 13 6 | 0 15 | T 21 |
| F 22 | 19 7 | 24 55 | 4 48 | 8 48 | 2 53 | 22 50 | 0 39 | 26 30 | 4 19 | 17 10 | 0 48 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 44 | 9 9 | 11 15 | 4 55 | 5 16 | 16 46 | 13 6 | 0 15 | F 22 |
| S 23 | 18 53 | 20 59 | 4 19 | 8 29 | 3 5 | 22 51 | 0 36 | 26 31 | 4 19 | 17 6 | 0 49 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 44 | 9 9 | 11 15 | 4 50 | 5 15 | 16 49 | 13 6 | 0 15 | S 23 |
| S 24 | 18 39 | 15 53 | 3 35 | 8 11 | 3 16 | 22 51 | 0 33 | 26 32 | 4 18 | 17 2 | 0 49 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 44 | 9 9 | 11 15 | 4 47 | 5 14 | 16 51 | 13 6 | 0 15 | S 24 |
| M25 | 18 24 | 9 55 | 2 37 | 7 56 | 3 27 | 22 50 | 0 30 | 26 33 | 4 17 | 16 58 | 0 49 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 44 | 9 9 | 11 15 | 4 45 | 5 13 | 16 54 | 13 6 | 0 16 | M25 |
| T 26 | 18 9 | 3 24 | 1 29 | 7 43 | 3 38 | 22 49 | 0 27 | 26 34 | 4 16 | 16 55 | 0 49 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 44 | 9 9 | 11 15 | 4 43 | 5 11 | 16 57 | 13 7 | 0 16 | T 26 |
| W27 | 17 54 | 3n19 | 0 16 | 7 32 | 3 48 | 22 46 | 0 24 | 26 35 | 4 15 | 16 51 | 0 49 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 44 | 9 9 | 11 16 | 4 43 | 5 10 | 17 0 | 13 7 | 0 16 | W27 |
| T 28 | 17 38 | 9 55 | 0n59 | 7 23 | 3 57 | 22 44 | 0 21 | 26 36 | 4 13 | 16 47 | 0 49 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 43 | 9 9 | 11 16 | 4 43 | 5 9 | 17 3 | 13 7 | 0 16 | T 28 |
| F 29 | 17 22 | 16 2 | 2 11 | 7 17 | 4 6 | 22 40 | 0 18 | 26 37 | 4 12 | 16 43 | 0 49 | 22 48 | 0 45 | 23 25 | 0 11 | 16 52 | 1 43 | 9 9 | 11 16 | 4 43 | 5 8 | 17 6 | 13 7 | 0 16 | F 29 |
| S 30 | 17 6 | 21 18 | 3 15 | 7 14 | 4 14 | 22 36 | 0 15 | 26 39 | 4 11 | 16 39 | 0 49 | 22 47 | 0 45 | 23 24 | 0 11 | 16 52 | 1 43 | 9 9 | 11 16 | 4 43 | 5 6 | 17 9 | 13 7 | 0 16 | S 30 |
| S 31 | 16n50 | 25n21 | 4n 6 | 7n14 | 4s21 | 22n32 | 0s12 | 26s40 | 4s10 | 16n35 | 0n49 | 22n47 | 0s45 | 23s24 | 0s11 | 16s53 | 1n43 | 9n 9 | 11s16 | 4n42 | 5n 5 | 17s12 | 13n 7 | 0s16 | S 31 |

Julian Day Number = 2140911.5, Delta T = 15m19s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°52'57, Lahiri = 11°59'57 Julian Calendar 1 July 1149 == Greg. Calendar 8 July 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## AUGUST 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 3 50 | 14♌32'14 | 19♊33 | 0°R13 | 15♋57 | 13♐48 | 17♌15 | 1♋46 | 20°R40 | 22♏44 | 29♉39 | 11°R47 | 12♈46 | 10♏19 | 5♉21 | M 1 |
| T 2 | 21 7 47 | 15°30'02 | 3♋34 | 29♌44 | 17° 9 | 14° 7 | 17°28 | 1°53 | 20♐39 | 22°44 | 29°39 | 11♈40 | 12°43 | 10°25 | 5°21 | T 2 |
| W 3 | 21 11 43 | 16°27'52 | 17°27 | 29° 9 | 18°22 | 14°27 | 17°41 | 1°59 | 20°38 | 22°44 | 29°40 | 11°32 | 12°39 | 10°32 | 5°R21 | W 3 |
| T 4 | 21 15 40 | 17°25'44 | 1♌ 8 | 28°29 | 19°34 | 14°48 | 17°54 | 2° 5 | 20°37 | 22°44 | 29°40 | 11°23 | 12°36 | 10°39 | 5°21 | T 4 |
| F 5 | 21 19 36 | 18°23'38 | 14°35 | 27°45 | 20°47 | 15° 9 | 18° 7 | 2°12 | 20°36 | 22°44 | 29°40 | 11°14 | 12°33 | 10°45 | 5°21 | F 5 |
| S 6 | 21 23 33 | 19°21'32 | 27°45 | 26°56 | 21°59 | 15°30 | 18°20 | 2°18 | 20°35 | 22°45 | 29°41 | 11° 7 | 12°30 | 10°52 | 5°21 | S 6 |
| S 7 | 21 27 29 | 20°19'29 | 10♍38 | 26° 5 | 23°12 | 15°52 | 18°33 | 2°24 | 20°34 | 22°45 | 29°41 | 11° 1 | 12°27 | 10°58 | 5°20 | S 7 |
| M 8 | 21 31 26 | 21°17'27 | 23°12 | 25°11 | 24°25 | 16°15 | 18°46 | 2°30 | 20°33 | 22°45 | 29°42 | 10°57 | 12°24 | 11° 5 | 5°20 | M 8 |
| T 9 | 21 35 23 | 22°15'26 | 5♎30 | 24°16 | 25°37 | 16°38 | 18°59 | 2°36 | 20°32 | 22°46 | 29°42 | 10°D55 | 12°20 | 11°12 | 5°20 | T 9 |
| W10 | 21 39 19 | 23°13'27 | 17°34 | 23°20 | 26°50 | 17° 1 | 19°12 | 2°42 | 20°32 | 22°46 | 29°42 | 10°55 | 12°17 | 11°18 | 5°19 | W10 |
| T 11 | 21 43 16 | 24°11'29 | 29°29 | 22°25 | 28° 3 | 17°26 | 19°25 | 2°48 | 20°31 | 22°46 | 29°42 | 10°56 | 12°14 | 11°25 | 5°19 | T 11 |
| F 12 | 21 47 12 | 25° 9'32 | 11♏19 | 21°32 | 29°16 | 17°50 | 19°38 | 2°54 | 20°30 | 22°47 | 29°43 | 10°58 | 12°11 | 11°32 | 5°18 | F 12 |
| S 13 | 21 51 9 | 26° 7'37 | 23° 9 | 20°43 | 0♌29 | 18°15 | 19°51 | 2°59 | 20°30 | 22°47 | 29°43 | 10°R58 | 12° 8 | 11°38 | 5°18 | S 13 |
| S 14 | 21 55 5 | 27° 5'44 | 5♐ 3 | 19°58 | 1°42 | 18°41 | 20° 5 | 3° 5 | 20°29 | 22°48 | 29°43 | 10°58 | 12° 5 | 11°45 | 5°17 | S 14 |
| M15 | 21 59 2 | 28° 3'52 | 17° 8 | 19°18 | 2°55 | 19° 7 | 20°18 | 3°11 | 20°29 | 22°48 | 29°43 | 10°56 | 12° 1 | 11°52 | 5°17 | M15 |
| T 16 | 22 2 58 | 29° 2'02 | 29°28 | 18°45 | 4° 9 | 19°33 | 20°31 | 3°16 | 20°28 | 22°49 | 29°44 | 10°52 | 11°58 | 11°58 | 5°16 | T 16 |
| W17 | 22 6 55 | 0♍ 0'13 | 12♑ 6 | 18°19 | 5°22 | 20° 0 | 20°44 | 3°22 | 20°28 | 22°50 | 29°44 | 10°47 | 11°55 | 12° 5 | 5°15 | W17 |
| T 18 | 22 10 52 | 0°58'26 | 25° 6 | 18° 1 | 6°35 | 20°28 | 20°57 | 3°27 | 20°28 | 22°50 | 29°44 | 10°41 | 11°52 | 12°12 | 5°14 | T 18 |
| F 19 | 22 14 48 | 1°56'40 | 8♒27 | 17°51 | 7°48 | 20°55 | 21°10 | 3°32 | 20°27 | 22°51 | 29°44 | 10°35 | 11°49 | 12°18 | 5°13 | F 19 |
| S 20 | 22 18 45 | 2°54'56 | 22° 9 | 17°D51 | 9° 2 | 21°24 | 21°22 | 3°38 | 20°27 | 22°52 | 29°44 | 10°29 | 11°45 | 12°25 | 5°13 | S 20 |
| S 21 | 22 22 41 | 3°53'14 | 6♓ 9 | 17°59 | 10°15 | 21°52 | 21°35 | 3°43 | 20°27 | 22°52 | 29°44 | 10°24 | 11°42 | 12°32 | 5°12 | S 21 |
| M22 | 22 26 38 | 4°51'33 | 20°23 | 18°16 | 11°29 | 22°21 | 21°48 | 3°48 | 20°27 | 22°53 | 29°44 | 10°21 | 11°39 | 12°38 | 5°10 | M22 |
| T 23 | 22 30 34 | 5°49'54 | 4♈47 | 18°42 | 12°42 | 22°50 | 22° 1 | 3°53 | 20°27 | 22°54 | 29°R44 | 10°D19 | 11°36 | 12°45 | 5° 9 | T 23 |
| W24 | 22 34 31 | 6°48'18 | 19°15 | 19°17 | 13°56 | 23°20 | 22°14 | 3°58 | 20°D27 | 22°55 | 29°44 | 10°19 | 11°33 | 12°52 | 5° 8 | W24 |
| T 25 | 22 38 27 | 7°46'44 | 3♉41 | 20° 0 | 15° 9 | 23°50 | 22°27 | 4° 3 | 20°27 | 22°56 | 29°44 | 10°20 | 11°30 | 12°58 | 5° 7 | T 25 |
| F 26 | 22 42 24 | 8°45'11 | 18° 3 | 20°51 | 16°23 | 24°20 | 22°40 | 4° 7 | 20°27 | 22°56 | 29°44 | 10°22 | 11°26 | 13° 5 | 5° 6 | F 26 |
| S 27 | 22 46 20 | 9°43'42 | 2♊18 | 21°51 | 17°37 | 24°51 | 22°53 | 4°12 | 20°27 | 22°57 | 29°44 | 10°23 | 11°23 | 13°12 | 5° 4 | S 27 |
| S 28 | 22 50 17 | 10°42'14 | 16°22 | 22°57 | 18°51 | 25°22 | 23° 5 | 4°17 | 20°27 | 22°58 | 29°44 | 10°R23 | 11°20 | 13°18 | 5° 3 | S 28 |
| M29 | 22 54 14 | 11°40'49 | 0♋16 | 24°10 | 20° 5 | 25°54 | 23°18 | 4°21 | 20°28 | 22°59 | 29°44 | 10°22 | 11°17 | 13°25 | 5° 2 | M29 |
| T 30 | 22 58 10 | 12°39'26 | 13°58 | 25°28 | 21°18 | 26°25 | 23°31 | 4°26 | 20°28 | 23° 0 | 29°44 | 10°19 | 11°14 | 13°32 | 5° 0 | T 30 |
| W31 | 23 2 7 | 13♍38'05 | 27♋28 | 26♌53 | 22♌32 | 26♐57 | 23♌43 | 4♋30 | 20♐28 | 23♏ 1 | 29♉44 | 10♈16 | 11♈11 | 13♏38 | 4♉59 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n33 | 27n50 | 4n43 | 7n17 | 4s27 | 22n26 | 0s10 | 26s41 | 4s 9 | 16n31 | 0n49 | 22n47 | 0s45 | 23s24 | 0s11 | 16s53 | 1n43 | 9n 9 | 11s17 | 4n41 | 5n 4 | 17s15 | 13n 7 | 0s16 |
| T 2 | 16 16 | 28 32 | 5 2 | 7 23 | 4 32 | 22 20 | 0 7 | 26 42 | 4 8 | 16 27 | 0 49 | 22 47 | 0 45 | 23 24 | 0 11 | 16 53 | 1 43 | 9 9 | 11 17 | 4 38 | 5 3 | 17 17 | 13 7 | 0 16 |
| W 3 | 15 59 | 27 26 | 5 4 | 7 32 | 4 35 | 22 14 | 0 4 | 26 43 | 4 6 | 16 23 | 0 49 | 22 47 | 0 45 | 23 24 | 0 11 | 16 53 | 1 43 | 9 8 | 11 17 | 4 35 | 5 1 | 17 20 | 13 6 | 0 16 |
| T 4 | 15 41 | 24 40 | 4 48 | 7 44 | 4 37 | 22 6 | 0 1 | 26 44 | 4 5 | 16 19 | 0 49 | 22 47 | 0 45 | 23 24 | 0 11 | 16 53 | 1 43 | 9 8 | 11 17 | 4 31 | 5 0 | 17 23 | 13 6 | 0 16 |
| F 5 | 15 23 | 20 36 | 4 16 | 7 59 | 4 37 | 21 58 | 0n 2 | 26 46 | 4 4 | 16 15 | 0 49 | 22 47 | 0 45 | 23 24 | 0 11 | 16 53 | 1 43 | 9 8 | 11 17 | 4 28 | 4 59 | 17 26 | 13 6 | 0 17 |
| S 6 | 15 5 | 15 36 | 3 31 | 8 17 | 4 35 | 21 50 | 0 5 | 26 47 | 4 3 | 16 11 | 0 49 | 22 47 | 0 45 | 23 24 | 0 11 | 16 53 | 1 43 | 9 8 | 11 17 | 4 25 | 4 58 | 17 29 | 13 6 | 0 17 |
| S 7 | 14 47 | 10 1 | 2 36 | 8 37 | 4 32 | 21 40 | 0 8 | 26 48 | 4 1 | 16 7 | 0 49 | 22 47 | 0 45 | 23 24 | 0 11 | 16 53 | 1 43 | 9 8 | 11 18 | 4 23 | 4 56 | 17 32 | 13 6 | 0 17 |
| M 8 | 14 28 | 4 9 | 1 34 | 9 1 | 4 26 | 21 31 | 0 10 | 26 49 | 4 0 | 16 3 | 0 49 | 22 47 | 0 45 | 23 24 | 0 11 | 16 53 | 1 43 | 9 8 | 11 18 | 4 21 | 4 55 | 17 34 | 13 6 | 0 17 |
| T 9 | 14 9 | 1s45 | 0 29 | 9 26 | 4 19 | 21 20 | 0 13 | 26 50 | 3 59 | 15 59 | 0 50 | 22 47 | 0 45 | 23 24 | 0 11 | 16 54 | 1 43 | 9 8 | 11 18 | 4 20 | 4 54 | 17 37 | 13 6 | 0 17 |
| W10 | 13 50 | 7 29 | 0s36 | 9 53 | 4 9 | 21 9 | 0 16 | 26 51 | 3 57 | 15 55 | 0 50 | 22 47 | 0 45 | 23 24 | 0 11 | 16 54 | 1 43 | 9 8 | 11 18 | 4 20 | 4 53 | 17 40 | 13 5 | 0 17 |
| T 11 | 13 31 | 12 53 | 1 39 | 10 21 | 3 58 | 20 57 | 0 19 | 26 52 | 3 56 | 15 51 | 0 50 | 22 47 | 0 45 | 23 24 | 0 11 | 16 54 | 1 43 | 9 7 | 11 19 | 4 21 | 4 51 | 17 43 | 13 5 | 0 17 |
| F 12 | 13 12 | 17 47 | 2 37 | 10 50 | 3 45 | 20 45 | 0 21 | 26 53 | 3 54 | 15 47 | 0 50 | 22 47 | 0 45 | 23 24 | 0 11 | 16 54 | 1 43 | 9 7 | 11 19 | 4 21 | 4 50 | 17 46 | 13 5 | 0 17 |
| S 13 | 12 52 | 22 0 | 3 29 | 11 20 | 3 31 | 20 32 | 0 24 | 26 54 | 3 53 | 15 43 | 0 50 | 22 46 | 0 45 | 23 24 | 0 11 | 16 54 | 1 43 | 9 7 | 11 19 | 4 22 | 4 49 | 17 49 | 13 5 | 0 17 |
| S 14 | 12 32 | 25 22 | 4 11 | 11 49 | 3 15 | 20 18 | 0 27 | 26 55 | 3 52 | 15 39 | 0 50 | 22 46 | 0 45 | 23 24 | 0 11 | 16 54 | 1 42 | 9 7 | 11 19 | 4 22 | 4 48 | 17 51 | 13 4 | 0 17 |
| M15 | 12 12 | 27 38 | 4 44 | 12 17 | 2 58 | 20 4 | 0 29 | 26 56 | 3 50 | 15 35 | 0 50 | 22 46 | 0 45 | 23 24 | 0 11 | 16 55 | 1 42 | 9 7 | 11 19 | 4 21 | 4 46 | 17 54 | 13 4 | 0 18 |
| T 16 | 11 52 | 28 37 | 5 4 | 12 44 | 2 40 | 19 50 | 0 32 | 26 56 | 3 49 | 15 31 | 0 50 | 22 46 | 0 45 | 23 24 | 0 11 | 16 55 | 1 42 | 9 7 | 11 20 | 4 19 | 4 45 | 17 57 | 13 4 | 0 18 |
| W17 | 11 31 | 28 8 | 5 10 | 13 10 | 2 22 | 19 34 | 0 34 | 26 57 | 3 47 | 15 27 | 0 50 | 22 46 | 0 45 | 23 24 | 0 11 | 16 55 | 1 42 | 9 6 | 11 20 | 4 17 | 4 44 | 18 0 | 13 3 | 0 18 |
| T 18 | 11 11 | 26 8 | 5 0 | 13 33 | 2 3 | 19 18 | 0 37 | 26 58 | 3 46 | 15 23 | 0 50 | 22 46 | 0 45 | 23 24 | 0 11 | 16 55 | 1 42 | 9 6 | 11 20 | 4 15 | 4 43 | 18 3 | 13 3 | 0 18 |
| F 19 | 10 50 | 22 39 | 4 34 | 13 54 | 1 44 | 19 2 | 0 39 | 26 58 | 3 44 | 15 18 | 0 50 | 22 46 | 0 45 | 23 23 | 0 11 | 16 55 | 1 42 | 9 6 | 11 20 | 4 12 | 4 41 | 18 5 | 13 3 | 0 18 |
| S 20 | 10 29 | 17 51 | 3 52 | 14 13 | 1 25 | 18 45 | 0 41 | 26 59 | 3 43 | 15 14 | 0 50 | 22 46 | 0 44 | 23 23 | 0 11 | 16 56 | 1 42 | 9 6 | 11 20 | 4 10 | 4 40 | 18 8 | 13 2 | 0 18 |
| S 21 | 10 8 | 12 1 | 2 55 | 14 28 | 1 6 | 18 27 | 0 44 | 26 59 | 3 41 | 15 10 | 0 51 | 22 46 | 0 44 | 23 23 | 0 11 | 16 56 | 1 42 | 9 6 | 11 21 | 4 8 | 4 39 | 18 11 | 13 2 | 0 18 |
| M22 | 9 46 | 5 27 | 1 47 | 14 40 | 0 48 | 18 9 | 0 46 | 26 59 | 3 40 | 15 6 | 0 51 | 22 45 | 0 44 | 23 23 | 0 11 | 16 56 | 1 42 | 9 6 | 11 21 | 4 7 | 4 38 | 18 14 | 13 1 | 0 18 |
| T 23 | 9 25 | 1n27 | 0 30 | 14 49 | 0 30 | 17 51 | 0 48 | 26 59 | 3 38 | 15 2 | 0 51 | 22 45 | 0 44 | 23 23 | 0 11 | 16 56 | 1 42 | 9 5 | 11 21 | 4 6 | 4 36 | 18 17 | 13 1 | 0 18 |
| W24 | 9 3 | 8 19 | 0n49 | 14 54 | 0 13 | 17 32 | 0 50 | 26 59 | 3 37 | 14 58 | 0 51 | 22 45 | 0 44 | 23 23 | 0 11 | 16 57 | 1 42 | 9 5 | 11 21 | 4 6 | 4 35 | 18 19 | 13 0 | 0 18 |
| T 25 | 8 42 | 14 45 | 2 4 | 14 55 | 0n 3 | 17 12 | 0 53 | 26 59 | 3 35 | 14 54 | 0 51 | 22 45 | 0 44 | 23 23 | 0 11 | 16 57 | 1 42 | 9 5 | 11 21 | 4 7 | 4 34 | 18 22 | 13 0 | 0 19 |
| F 26 | 8 20 | 20 21 | 3 12 | 14 53 | 0 18 | 16 52 | 0 55 | 26 59 | 3 34 | 14 50 | 0 51 | 22 45 | 0 44 | 23 23 | 0 11 | 16 57 | 1 42 | 9 5 | 11 22 | 4 7 | 4 33 | 18 25 | 12 59 | 0 19 |
| S 27 | 7 57 | 24 45 | 4 7 | 14 47 | 0 32 | 16 32 | 0 57 | 26 59 | 3 32 | 14 46 | 0 51 | 22 45 | 0 44 | 23 23 | 0 11 | 16 58 | 1 42 | 9 5 | 11 22 | 4 8 | 4 31 | 18 28 | 12 59 | 0 19 |
| S 28 | 7 35 | 27 36 | 4 46 | 14 38 | 0 44 | 16 10 | 0 59 | 26 59 | 3 31 | 14 41 | 0 51 | 22 45 | 0 44 | 23 23 | 0 11 | 16 58 | 1 42 | 9 4 | 11 22 | 4 8 | 4 30 | 18 30 | 12 58 | 0 19 |
| M29 | 7 13 | 28 42 | 5 9 | 14 25 | 0 56 | 15 49 | 1 1 | 26 58 | 3 29 | 14 37 | 0 51 | 22 45 | 0 44 | 23 23 | 0 11 | 16 58 | 1 42 | 9 4 | 11 22 | 4 7 | 4 29 | 18 33 | 12 58 | 0 19 |
| T 30 | 6 50 | 28 0 | 5 13 | 14 8 | 1 7 | 15 27 | 1 2 | 26 58 | 3 27 | 14 33 | 0 51 | 22 44 | 0 44 | 23 24 | 0 11 | 16 58 | 1 41 | 9 4 | 11 22 | 4 6 | 4 28 | 18 36 | 12 57 | 0 19 |
| W31 | 6n28 | 25n39 | 4n59 | 13n48 | 1n16 | 15n 5 | 1n 4 | 26s57 | 3s26 | 14n29 | 0n52 | 22n44 | 0s44 | 23s24 | 0s11 | 16s59 | 1n41 | 9n 4 | 11s23 | 4n 5 | 4n27 | 18s39 | 12n56 | 0s19 |

Julian Day Number = 2140942.5, Delta T = 15m19s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'01, Lahiri = 12°00'01 Julian Calendar 1 Aug. 1149 == Greg. Calendar 8 Aug. 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## SEPTEMBER 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 6 3 | 14♍36'46 | 10♌44 | 28♌21 | 23♌46 | 27♐30 | 23♌56 | 4♋34 | 20♐29 | 23♏ 2 | 29°R43 | 10°R12 | 11♈ 7 | 13♏45 | 4°R57 | T 1 |
| F 2 | 23 10 0 | 15°35'30 | 23°46 | 29°54 | 25° 0 | 28° 2 | 24° 9 | 4°39 | 20°29 | 23° 3 | 29♉43 | 10♈ 8 | 11° 4 | 13°52 | 4♉55 | F 2 |
| S 3 | 23 13 56 | 16°34'15 | 6♍35 | 1♍31 | 26°15 | 28°35 | 24°21 | 4°43 | 20°30 | 23° 5 | 29°43 | 10° 4 | 11° 1 | 13°58 | 4°54 | S 3 |
| S 4 | 23 17 53 | 17°33'03 | 19°10 | 3°10 | 27°29 | 29° 9 | 24°34 | 4°47 | 20°30 | 23° 6 | 29°43 | 10° 2 | 10°58 | 14° 5 | 4°52 | S 4 |
| M 5 | 23 21 49 | 18°31'52 | 1♎31 | 4°52 | 28°43 | 29°42 | 24°46 | 4°51 | 20°31 | 23° 7 | 29°42 | 10° 1 | 10°55 | 14°12 | 4°50 | M 5 |
| T 6 | 23 25 46 | 19°30'44 | 13°41 | 6°36 | 29°57 | 0♑16 | 24°59 | 4°54 | 20°31 | 23° 8 | 29°42 | 10°D 0 | 10°51 | 14°18 | 4°48 | T 6 |
| W 7 | 23 29 43 | 20°29'37 | 25°40 | 8°22 | 1♍11 | 0°50 | 25°11 | 4°58 | 20°32 | 23° 9 | 29°42 | 10° 1 | 10°48 | 14°25 | 4°46 | W 7 |
| T 8 | 23 33 39 | 21°28'32 | 7♏33 | 10° 9 | 2°26 | 1°25 | 25°24 | 5° 2 | 20°33 | 23°11 | 29°42 | 10° 3 | 10°45 | 14°32 | 4°44 | T 8 |
| F 9 | 23 37 36 | 22°27'30 | 19°21 | 11°56 | 3°40 | 1°59 | 25°36 | 5° 5 | 20°34 | 23°12 | 29°41 | 10° 4 | 10°42 | 14°38 | 4°42 | F 9 |
| S 10 | 23 41 32 | 23°26'29 | 1♐10 | 13°44 | 4°54 | 2°34 | 25°48 | 5° 9 | 20°35 | 23°13 | 29°41 | 10° 5 | 10°39 | 14°45 | 4°40 | S 10 |
| S 11 | 23 45 29 | 24°25'30 | 13° 4 | 15°33 | 6° 9 | 3° 9 | 26° 1 | 5°12 | 20°36 | 23°15 | 29°41 | 10° 6 | 10°36 | 14°52 | 4°38 | S 11 |
| M12 | 23 49 25 | 25°24'32 | 25° 8 | 17°21 | 7°23 | 3°45 | 26°13 | 5°15 | 20°37 | 23°16 | 29°40 | 10°R 7 | 10°32 | 14°58 | 4°36 | M12 |
| T 13 | 23 53 22 | 26°23'37 | 7♑25 | 19°10 | 8°38 | 4°20 | 26°25 | 5°19 | 20°38 | 23°17 | 29°40 | 10° 7 | 10°29 | 15° 5 | 4°34 | T 13 |
| W14 | 23 57 18 | 27°22'44 | 20° 1 | 20°58 | 9°52 | 4°56 | 26°37 | 5°22 | 20°39 | 23°19 | 29°39 | 10° 6 | 10°26 | 15°12 | 4°32 | W14 |
| T 15 | 0 1 15 | 28°21'52 | 3♒ 0 | 22°46 | 11° 7 | 5°32 | 26°49 | 5°25 | 20°40 | 23°20 | 29°39 | 10° 4 | 10°23 | 15°18 | 4°30 | T 15 |
| F 16 | 0 5 12 | 29°21'02 | 16°23 | 24°34 | 12°21 | 6° 9 | 27° 1 | 5°27 | 20°41 | 23°22 | 29°38 | 10° 3 | 10°20 | 15°25 | 4°27 | F 16 |
| S 17 | 0 9 8 | 0♎20'14 | 0♓12 | 26°20 | 13°36 | 6°45 | 27°13 | 5°30 | 20°42 | 23°23 | 29°38 | 10° 2 | 10°17 | 15°32 | 4°25 | S 17 |
| S 18 | 0 13 5 | 1°19'27 | 14°24 | 28° 7 | 14°50 | 7°22 | 27°25 | 5°33 | 20°43 | 23°25 | 29°37 | 10° 1 | 10°13 | 15°38 | 4°23 | S 18 |
| M19 | 0 17 1 | 2°18'43 | 28°57 | 29°53 | 16° 5 | 7°59 | 27°37 | 5°35 | 20°45 | 23°26 | 29°37 | 10° 0 | 10°10 | 15°45 | 4°20 | M19 |
| T 20 | 0 20 58 | 3°18'01 | 13♈44 | 1♎38 | 17°20 | 8°36 | 27°49 | 5°38 | 20°46 | 23°28 | 29°36 | 10°D 0 | 10° 7 | 15°52 | 4°18 | T 20 |
| W21 | 0 24 54 | 4°17'20 | 28°37 | 3°22 | 18°35 | 9°13 | 28° 0 | 5°40 | 20°47 | 23°30 | 29°36 | 10° 0 | 10° 4 | 15°59 | 4°15 | W21 |
| T 22 | 0 28 51 | 5°16'43 | 13♉30 | 5° 6 | 19°49 | 9°51 | 28°12 | 5°42 | 20°49 | 23°31 | 29°35 | 10° 1 | 10° 1 | 16° 5 | 4°13 | T 22 |
| F 23 | 0 32 47 | 6°16'07 | 28°15 | 6°49 | 21° 4 | 10°28 | 28°24 | 5°45 | 20°50 | 23°33 | 29°34 | 10° 1 | 9°57 | 16°12 | 4°10 | F 23 |
| S 24 | 0 36 44 | 7°15'34 | 12♊45 | 8°31 | 22°19 | 11° 6 | 28°35 | 5°47 | 20°52 | 23°35 | 29°34 | 10° 1 | 9°54 | 16°19 | 4° 8 | S 24 |
| S 25 | 0 40 41 | 8°15'03 | 26°59 | 10°13 | 23°34 | 11°44 | 28°47 | 5°49 | 20°54 | 23°36 | 29°33 | 10° 1 | 9°51 | 16°25 | 4° 5 | S 25 |
| M26 | 0 44 37 | 9°14'35 | 10♋52 | 11°53 | 24°49 | 12°22 | 28°58 | 5°50 | 20°55 | 23°38 | 29°33 | 10°R 1 | 9°48 | 16°32 | 4° 3 | M26 |
| T 27 | 0 48 34 | 10°14'09 | 24°26 | 13°34 | 26° 4 | 13° 1 | 29° 9 | 5°52 | 20°57 | 23°40 | 29°32 | 10°D 1 | 9°45 | 16°39 | 4° 0 | T 27 |
| W28 | 0 52 30 | 11°13'45 | 7♌40 | 15°13 | 27°19 | 13°39 | 29°20 | 5°54 | 20°59 | 23°41 | 29°31 | 10° 2 | 9°42 | 16°45 | 3°57 | W28 |
| T 29 | 0 56 27 | 12°13'24 | 20°38 | 16°52 | 28°34 | 14°18 | 29°32 | 5°55 | 21° 0 | 23°43 | 29°30 | 10° 2 | 9°38 | 16°52 | 3°54 | T 29 |
| F 30 | 1 0 23 | 13♎13'05 | 3♍20 | 18♎30 | 29♍49 | 14♑57 | 29♌43 | 5♋57 | 21♐ 2 | 23♏45 | 29♉30 | 10♈ 2 | 9♈35 | 16♏59 | 3♉52 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n 5 | 21n57 | 4n30 | 13n25 | 1n24 | 14n42 | 1n 6 | 26s56 | 3s24 | 14n25 | 0n52 | 22n44 | 0s44 | 23s24 | 0s11 | 16s59 | 1n41 | 9n 3 | 11s23 | 4n 3 | 4n25 | 18s41 | 12n56 | 0s19 |
| F 2 | 5 42 | 17 14 | 3 47 | 12 59 | 1 31 | 14 19 | 1 8 | 26 55 | 3 23 | 14 21 | 0 52 | 22 44 | 0 44 | 23 24 | 0 11 | 16 59 | 1 41 | 9 3 | 11 23 | 4 2 | 4 24 | 18 44 | 12 55 | 0 19 |
| S 3 | 5 19 | 11 49 | 2 54 | 12 30 | 1 37 | 13 55 | 1 9 | 26 54 | 3 21 | 14 17 | 0 52 | 22 44 | 0 44 | 23 24 | 0 11 | 17 0 | 1 41 | 9 3 | 11 23 | 4 0 | 4 23 | 18 47 | 12 55 | 0 19 |
| S 4 | 4 57 | 6 2 | 1 52 | 11 58 | 1 42 | 13 31 | 1 11 | 26 52 | 3 19 | 14 13 | 0 52 | 22 44 | 0 44 | 23 24 | 0 11 | 17 0 | 1 41 | 9 3 | 11 23 | 4 0 | 4 22 | 18 50 | 12 54 | 0 20 |
| M 5 | 4 33 | 0 6 | 0 47 | 11 25 | 1 46 | 13 6 | 1 12 | 26 51 | 3 18 | 14 9 | 0 52 | 22 44 | 0 44 | 23 24 | 0 11 | 17 0 | 1 41 | 9 2 | 11 24 | 3 59 | 4 20 | 18 52 | 12 53 | 0 20 |
| T 6 | 4 10 | 5s44 | 0s20 | 10 49 | 1 49 | 12 42 | 1 14 | 26 49 | 3 16 | 14 5 | 0 52 | 22 44 | 0 44 | 23 24 | 0 11 | 17 1 | 1 41 | 9 2 | 11 24 | 3 59 | 4 19 | 18 55 | 12 52 | 0 20 |
| W 7 | 3 47 | 11 18 | 1 25 | 10 11 | 1 51 | 12 16 | 1 15 | 26 48 | 3 15 | 14 0 | 0 52 | 22 43 | 0 44 | 23 24 | 0 11 | 17 1 | 1 41 | 9 2 | 11 24 | 3 59 | 4 18 | 18 58 | 12 52 | 0 20 |
| T 8 | 3 24 | 16 24 | 2 26 | 9 32 | 1 52 | 11 51 | 1 17 | 26 46 | 3 13 | 13 56 | 0 52 | 22 43 | 0 44 | 23 24 | 0 11 | 17 2 | 1 41 | 9 2 | 11 24 | 4 0 | 4 16 | 19 1 | 12 51 | 0 20 |
| F 9 | 3 0 | 20 52 | 3 21 | 8 51 | 1 52 | 11 25 | 1 18 | 26 44 | 3 11 | 13 52 | 0 53 | 22 43 | 0 44 | 23 24 | 0 11 | 17 2 | 1 41 | 9 1 | 11 24 | 4 0 | 4 15 | 19 3 | 12 50 | 0 20 |
| S 10 | 2 37 | 24 31 | 4 7 | 8 9 | 1 52 | 10 59 | 1 19 | 26 41 | 3 10 | 13 48 | 0 53 | 22 43 | 0 44 | 23 24 | 0 11 | 17 2 | 1 41 | 9 1 | 11 25 | 4 1 | 4 14 | 19 6 | 12 49 | 0 20 |
| S 11 | 2 13 | 27 8 | 4 42 | 7 26 | 1 51 | 10 32 | 1 20 | 26 39 | 3 8 | 13 44 | 0 53 | 22 43 | 0 44 | 23 24 | 0 11 | 17 3 | 1 41 | 9 1 | 11 25 | 4 1 | 4 13 | 19 9 | 12 49 | 0 20 |
| M12 | 1 50 | 28 33 | 5 6 | 6 42 | 1 49 | 10 6 | 1 21 | 26 36 | 3 7 | 13 40 | 0 53 | 22 43 | 0 44 | 23 24 | 0 11 | 17 3 | 1 41 | 9 1 | 11 25 | 4 1 | 4 11 | 19 11 | 12 48 | 0 20 |
| T 13 | 1 26 | 28 36 | 5 16 | 5 57 | 1 47 | 9 38 | 1 22 | 26 34 | 3 5 | 13 36 | 0 53 | 22 43 | 0 44 | 23 24 | 0 11 | 17 3 | 1 41 | 9 0 | 11 25 | 4 1 | 4 10 | 19 14 | 12 47 | 0 20 |
| W14 | 1 3 | 27 11 | 5 12 | 5 12 | 1 44 | 9 11 | 1 23 | 26 31 | 3 3 | 13 32 | 0 53 | 22 43 | 0 44 | 23 24 | 0 11 | 17 4 | 1 41 | 9 0 | 11 25 | 4 1 | 4 9 | 19 17 | 12 46 | 0 21 |
| T 15 | 0 39 | 24 18 | 4 52 | 4 26 | 1 41 | 8 44 | 1 24 | 26 28 | 3 2 | 13 28 | 0 53 | 22 42 | 0 44 | 23 24 | 0 11 | 17 4 | 1 41 | 9 0 | 11 25 | 4 0 | 4 8 | 19 19 | 12 45 | 0 21 |
| F 16 | 0 16 | 20 3 | 4 15 | 3 40 | 1 37 | 8 16 | 1 25 | 26 24 | 3 0 | 13 24 | 0 53 | 22 42 | 0 44 | 23 24 | 0 11 | 17 5 | 1 41 | 9 0 | 11 26 | 4 0 | 4 6 | 19 22 | 12 44 | 0 21 |
| S 17 | 0s 8 | 14 37 | 3 23 | 2 53 | 1 33 | 7 48 | 1 25 | 26 21 | 2 58 | 13 20 | 0 54 | 22 42 | 0 44 | 23 25 | 0 11 | 17 5 | 1 41 | 8 59 | 11 26 | 3 59 | 4 5 | 19 25 | 12 44 | 0 21 |
| S 18 | 0 32 | 8 17 | 2 17 | 2 7 | 1 29 | 7 19 | 1 26 | 26 17 | 2 57 | 13 16 | 0 54 | 22 42 | 0 44 | 23 25 | 0 11 | 17 6 | 1 40 | 8 59 | 11 26 | 3 59 | 4 4 | 19 27 | 12 43 | 0 21 |
| M19 | 0 55 | 1 21 | 1 1 | 1 20 | 1 24 | 6 51 | 1 27 | 26 13 | 2 55 | 13 12 | 0 54 | 22 42 | 0 44 | 23 25 | 0 11 | 17 6 | 1 40 | 8 59 | 11 26 | 3 59 | 4 3 | 19 30 | 12 42 | 0 21 |
| T 20 | 1 19 | 5n46 | 0n21 | 0 33 | 1 19 | 6 22 | 1 27 | 26 9 | 2 54 | 13 8 | 0 54 | 22 42 | 0 44 | 23 25 | 0 11 | 17 6 | 1 40 | 8 59 | 11 26 | 3 59 | 4 1 | 19 33 | 12 41 | 0 21 |
| W21 | 1 43 | 12 37 | 1 42 | 0s13 | 1 14 | 5 53 | 1 28 | 26 5 | 2 52 | 13 4 | 0 54 | 22 42 | 0 44 | 23 25 | 0 11 | 17 7 | 1 40 | 8 58 | 11 26 | 3 59 | 4 0 | 19 35 | 12 40 | 0 21 |
| T 22 | 2 6 | 18 45 | 2 56 | 0 59 | 1 8 | 5 24 | 1 28 | 26 1 | 2 50 | 13 0 | 0 54 | 22 42 | 0 44 | 23 25 | 0 11 | 17 7 | 1 40 | 8 58 | 11 27 | 3 59 | 3 59 | 19 38 | 12 39 | 0 21 |
| F 23 | 2 30 | 23 43 | 3 57 | 1 46 | 1 2 | 4 54 | 1 28 | 25 56 | 2 49 | 12 56 | 0 54 | 22 42 | 0 44 | 23 25 | 0 11 | 17 8 | 1 40 | 8 58 | 11 27 | 3 59 | 3 58 | 19 41 | 12 38 | 0 21 |
| S 24 | 2 54 | 27 6 | 4 42 | 2 32 | 0 57 | 4 25 | 1 29 | 25 52 | 2 47 | 12 53 | 0 55 | 22 42 | 0 44 | 23 25 | 0 11 | 17 8 | 1 40 | 8 57 | 11 27 | 3 59 | 3 56 | 19 43 | 12 37 | 0 21 |
| S 25 | 3 17 | 28 40 | 5 9 | 3 17 | 0 50 | 3 55 | 1 29 | 25 47 | 2 45 | 12 49 | 0 55 | 22 42 | 0 44 | 23 25 | 0 11 | 17 9 | 1 40 | 8 57 | 11 27 | 3 59 | 3 55 | 19 46 | 12 36 | 0 22 |
| M26 | 3 41 | 28 23 | 5 18 | 4 3 | 0 44 | 3 26 | 1 29 | 25 41 | 2 44 | 12 45 | 0 55 | 22 42 | 0 44 | 23 25 | 0 11 | 17 9 | 1 40 | 8 57 | 11 27 | 3 59 | 3 54 | 19 49 | 12 35 | 0 22 |
| T 27 | 4 4 | 26 23 | 5 8 | 4 48 | 0 38 | 2 56 | 1 29 | 25 36 | 2 42 | 12 41 | 0 55 | 22 41 | 0 44 | 23 26 | 0 11 | 17 10 | 1 40 | 8 57 | 11 27 | 3 59 | 3 53 | 19 51 | 12 34 | 0 22 |
| W28 | 4 28 | 22 58 | 4 41 | 5 32 | 0 31 | 2 26 | 1 29 | 25 31 | 2 41 | 12 37 | 0 55 | 22 41 | 0 44 | 23 26 | 0 11 | 17 10 | 1 40 | 8 56 | 11 28 | 3 59 | 3 51 | 19 54 | 12 33 | 0 22 |
| T 29 | 4 51 | 18 29 | 4 1 | 6 17 | 0 25 | 1 56 | 1 29 | 25 25 | 2 39 | 12 33 | 0 55 | 22 41 | 0 44 | 23 26 | 0 11 | 17 11 | 1 40 | 8 56 | 11 28 | 3 59 | 3 50 | 19 56 | 12 32 | 0 22 |
| F 30 | 5s15 | 13n17 | 3n10 | 7s 0 | 0n18 | 1n26 | 1n29 | 25s19 | 2s37 | 12n30 | 0n56 | 22n41 | 0s44 | 23s26 | 0s11 | 17s11 | 1n40 | 8n56 | 11s28 | 4n 0 | 3n49 | 19s59 | 12n31 | 0s22 |

Julian Day Number = 2140973.5, Delta T = 15m19s
Ecliptic obliquity = 23°33'08, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'05, Lahiri = 12°00'06 Julian Calendar 1 Sept. 1149 == Greg. Calendar 8 Sept. 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## OCTOBER 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 4 20 | 14♎12'47 | 15♍49 | 20♎ 8 | 1♎ 4 | 15♑36 | 29♌54 | 5♋58 | 21♐ 4 | 23♏47 | 29°R29 | 10♈ 2 | 9♈32 | 17♏ 5 | 3°R49 | S 1 |
| S 2 | 1 8 16 | 15°12'33 | 28° 6 | 21°45 | 2°19 | 16°15 | 0♍ 5 | 5°59 | 21° 6 | 23°49 | 29♉28 | 10° 3 | 9°29 | 17°12 | 3♉46 | S 2 |
| M 3 | 1 12 13 | 16°12'20 | 10♎14 | 23°21 | 3°34 | 16°54 | 0°16 | 6° 0 | 21° 8 | 23°51 | 29°27 | 10°R 3 | 9°26 | 17°19 | 3°43 | M 3 |
| T 4 | 1 16 9 | 17°12'09 | 22°13 | 24°57 | 4°49 | 17°34 | 0°26 | 6° 1 | 21°10 | 23°52 | 29°27 | 10° 3 | 9°22 | 17°25 | 3°40 | T 4 |
| W 5 | 1 20 6 | 18°12'00 | 4♏ 7 | 26°32 | 6° 4 | 18°13 | 0°37 | 6° 2 | 21°12 | 23°54 | 29°26 | 10° 2 | 9°19 | 17°32 | 3°38 | W 5 |
| T 6 | 1 24 3 | 19°11'53 | 15°57 | 28° 7 | 7°19 | 18°53 | 0°48 | 6° 2 | 21°14 | 23°56 | 29°25 | 10° 1 | 9°16 | 17°39 | 3°35 | T 6 |
| F 7 | 1 27 59 | 20°11'48 | 27°46 | 29°41 | 8°34 | 19°33 | 0°58 | 6° 3 | 21°16 | 23°58 | 29°24 | 10° 0 | 9°13 | 17°45 | 3°32 | F 7 |
| S 8 | 1 31 56 | 21°11'45 | 9♐35 | 1♏15 | 9°50 | 20°13 | 1° 9 | 6° 4 | 21°18 | 24° 0 | 29°23 | 9°58 | 9°10 | 17°52 | 3°29 | S 8 |
| S 9 | 1 35 52 | 22°11'44 | 21°29 | 2°48 | 11° 5 | 20°53 | 1°19 | 6° 4 | 21°21 | 24° 2 | 29°22 | 9°56 | 9° 7 | 17°59 | 3°26 | S 9 |
| M10 | 1 39 49 | 23°11'44 | 3♑32 | 4°21 | 12°20 | 21°33 | 1°29 | 6° 4 | 21°23 | 24° 4 | 29°22 | 9°55 | 9° 3 | 18° 5 | 3°23 | M10 |
| T 11 | 1 43 45 | 24°11'47 | 15°46 | 5°53 | 13°35 | 22°13 | 1°40 | 6° 4 | 21°25 | 24° 6 | 29°21 | 9°54 | 9° 0 | 18°12 | 3°20 | T 11 |
| W12 | 1 47 42 | 25°11'50 | 28°17 | 7°24 | 14°50 | 22°54 | 1°50 | 6°R 4 | 21°28 | 24° 8 | 29°20 | 9°D54 | 8°57 | 18°19 | 3°17 | W12 |
| T 13 | 1 51 39 | 26°11'56 | 11♒ 9 | 8°56 | 16° 6 | 23°34 | 2° 0 | 6° 4 | 21°30 | 24°10 | 29°19 | 9°54 | 8°54 | 18°25 | 3°14 | T 13 |
| F 14 | 1 55 35 | 27°12'03 | 24°25 | 10°26 | 17°21 | 24°15 | 2°10 | 6° 4 | 21°32 | 24°12 | 29°18 | 9°56 | 8°51 | 18°32 | 3°11 | F 14 |
| S 15 | 1 59 32 | 28°12'11 | 8♓ 8 | 11°57 | 18°36 | 24°56 | 2°19 | 6° 4 | 21°35 | 24°14 | 29°17 | 9°57 | 8°48 | 18°39 | 3° 8 | S 15 |
| S 16 | 2 3 28 | 29°12'21 | 22°18 | 13°26 | 19°52 | 25°37 | 2°29 | 6° 3 | 21°37 | 24°16 | 29°16 | 9°58 | 8°44 | 18°45 | 3° 5 | S 16 |
| M17 | 2 7 25 | 0♏12'33 | 6♈53 | 14°56 | 21° 7 | 26°18 | 2°39 | 6° 3 | 21°40 | 24°19 | 29°15 | 9°R59 | 8°41 | 18°52 | 3° 2 | M17 |
| T 18 | 2 11 21 | 1°12'46 | 21°50 | 16°25 | 22°22 | 26°59 | 2°48 | 6° 2 | 21°43 | 24°21 | 29°14 | 9°58 | 8°38 | 18°59 | 2°59 | T 18 |
| W19 | 2 15 18 | 2°13'01 | 7♉ 0 | 17°53 | 23°38 | 27°40 | 2°58 | 6° 1 | 21°45 | 24°23 | 29°13 | 9°57 | 8°35 | 19° 5 | 2°56 | W19 |
| T 20 | 2 19 14 | 3°13'18 | 22°13 | 19°21 | 24°53 | 28°21 | 3° 7 | 6° 1 | 21°48 | 24°25 | 29°12 | 9°54 | 8°32 | 19°12 | 2°53 | T 20 |
| F 21 | 2 23 11 | 4°13'37 | 7♊21 | 20°48 | 26° 8 | 29° 2 | 3°16 | 6° 0 | 21°50 | 24°27 | 29°11 | 9°51 | 8°28 | 19°19 | 2°50 | F 21 |
| S 22 | 2 27 7 | 5°13'58 | 22°13 | 22°15 | 27°24 | 29°44 | 3°25 | 5°58 | 21°53 | 24°29 | 29°10 | 9°48 | 8°25 | 19°25 | 2°47 | S 22 |
| S 23 | 2 31 4 | 6°14'21 | 6♋42 | 23°41 | 28°39 | 0♒25 | 3°34 | 5°57 | 21°56 | 24°31 | 29° 9 | 9°45 | 8°22 | 19°32 | 2°44 | S 23 |
| M24 | 2 35 1 | 7°14'45 | 20°46 | 25° 7 | 29°55 | 1° 7 | 3°43 | 5°56 | 21°59 | 24°34 | 29° 8 | 9°42 | 8°19 | 19°39 | 2°41 | M24 |
| T 25 | 2 38 57 | 8°15'12 | 4♌23 | 26°32 | 1♏10 | 1°49 | 3°51 | 5°55 | 22° 2 | 24°36 | 29° 7 | 9°D41 | 8°16 | 19°45 | 2°38 | T 25 |
| W26 | 2 42 54 | 9°15'41 | 17°35 | 27°56 | 2°25 | 2°30 | 4° 0 | 5°53 | 22° 4 | 24°38 | 29° 6 | 9°41 | 8°13 | 19°52 | 2°35 | W26 |
| T 27 | 2 46 50 | 10°16'11 | 0♍24 | 29°19 | 3°41 | 3°12 | 4° 9 | 5°51 | 22° 7 | 24°40 | 29° 5 | 9°43 | 8° 9 | 19°59 | 2°32 | T 27 |
| F 28 | 2 50 47 | 11°16'43 | 12°54 | 0♐42 | 4°56 | 3°54 | 4°17 | 5°50 | 22°10 | 24°42 | 29° 4 | 9°44 | 8° 6 | 20° 6 | 2°29 | F 28 |
| S 29 | 2 54 43 | 12°17'18 | 25° 9 | 2° 3 | 6°12 | 4°36 | 4°25 | 5°48 | 22°13 | 24°45 | 29° 3 | 9°46 | 8° 3 | 20°12 | 2°26 | S 29 |
| S 30 | 2 58 40 | 13°17'53 | 7♎14 | 3°23 | 7°27 | 5°18 | 4°33 | 5°46 | 22°16 | 24°47 | 29° 1 | 9°R47 | 8° 0 | 20°19 | 2°23 | S 30 |
| M31 | 3 2 36 | 14♏18'31 | 19♎10 | 4♐42 | 8♏43 | 6♒ 0 | 4♍41 | 5♋44 | 22♐19 | 24♏49 | 29♉ 0 | 9♈47 | 7♈57 | 20♏26 | 2♉20 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s38 | 7n38 | 2n11 | 7s44 | 0n11 | 0n56 | 1n28 | 25s13 | 2s36 | 12n26 | 0n56 | 22n41 | 0s44 | 23s26 | 0s11 | 17s12 | 1n40 | 8n55 | 11s28 | 4n 0 | 3n48 | 20s 2 | 12n30 | 0s22 |
| S 2 | 6 1 | 1 46 | 1 6 | 8 26 | 0 5 | 0 25 | 1 28 | 25 6 | 2 34 | 12 22 | 0 56 | 22 41 | 0 44 | 23 26 | 0 11 | 17 12 | 1 40 | 8 55 | 11 28 | 4 0 | 3 46 | 20 4 | 12 29 | 0 22 |
| M 3 | 6 24 | 4s 5 | 0s 1 | 9 9 | 0s 2 | 0s 5 | 1 28 | 25 0 | 2 32 | 12 18 | 0 56 | 22 41 | 0 44 | 23 26 | 0 11 | 17 13 | 1 40 | 8 55 | 11 28 | 4 0 | 3 45 | 20 7 | 12 28 | 0 22 |
| T 4 | 6 47 | 9 44 | 1 7 | 9 50 | 0 9 | 0 35 | 1 27 | 24 53 | 2 31 | 12 15 | 0 56 | 22 41 | 0 44 | 23 26 | 0 11 | 17 13 | 1 40 | 8 55 | 11 28 | 4 0 | 3 44 | 20 9 | 12 27 | 0 22 |
| W 5 | 7 10 | 14 59 | 2 10 | 10 32 | 0 16 | 1 6 | 1 27 | 24 46 | 2 29 | 12 11 | 0 56 | 22 41 | 0 44 | 23 27 | 0 11 | 17 14 | 1 40 | 8 54 | 11 29 | 4 0 | 3 43 | 20 12 | 12 26 | 0 22 |
| T 6 | 7 33 | 19 40 | 3 6 | 11 12 | 0 22 | 1 36 | 1 26 | 24 39 | 2 28 | 12 7 | 0 57 | 22 41 | 0 44 | 23 27 | 0 11 | 17 14 | 1 40 | 8 54 | 11 29 | 3 59 | 3 41 | 20 15 | 12 25 | 0 23 |
| F 7 | 7 56 | 23 34 | 3 55 | 11 52 | 0 29 | 2 6 | 1 25 | 24 32 | 2 26 | 12 4 | 0 57 | 22 41 | 0 44 | 23 27 | 0 11 | 17 15 | 1 40 | 8 54 | 11 29 | 3 59 | 3 40 | 20 17 | 12 24 | 0 23 |
| S 8 | 8 18 | 26 30 | 4 33 | 12 31 | 0 36 | 2 37 | 1 25 | 24 24 | 2 24 | 12 0 | 0 57 | 22 41 | 0 44 | 23 27 | 0 11 | 17 15 | 1 40 | 8 53 | 11 29 | 3 58 | 3 39 | 20 20 | 12 23 | 0 23 |
| S 9 | 8 41 | 28 16 | 5 0 | 13 10 | 0 42 | 3 7 | 1 24 | 24 16 | 2 23 | 11 57 | 0 57 | 22 41 | 0 44 | 23 27 | 0 11 | 17 16 | 1 40 | 8 53 | 11 29 | 3 57 | 3 38 | 20 22 | 12 22 | 0 23 |
| M10 | 9 3 | 28 45 | 5 14 | 13 48 | 0 49 | 3 37 | 1 23 | 24 8 | 2 21 | 11 53 | 0 57 | 22 41 | 0 44 | 23 27 | 0 11 | 17 16 | 1 40 | 8 53 | 11 29 | 3 57 | 3 36 | 20 25 | 12 21 | 0 23 |
| T 11 | 9 26 | 27 49 | 5 15 | 14 25 | 0 55 | 4 7 | 1 22 | 24 0 | 2 20 | 11 50 | 0 58 | 22 41 | 0 44 | 23 27 | 0 11 | 17 17 | 1 40 | 8 53 | 11 29 | 3 56 | 3 35 | 20 27 | 12 19 | 0 23 |
| W12 | 9 48 | 25 30 | 5 0 | 15 1 | 1 2 | 4 37 | 1 21 | 23 52 | 2 18 | 11 46 | 0 58 | 22 41 | 0 44 | 23 28 | 0 11 | 17 17 | 1 40 | 8 52 | 11 29 | 3 56 | 3 34 | 20 30 | 12 18 | 0 23 |
| T 13 | 10 10 | 21 51 | 4 31 | 15 37 | 1 8 | 5 7 | 1 20 | 23 43 | 2 16 | 11 43 | 0 58 | 22 41 | 0 44 | 23 28 | 0 11 | 17 18 | 1 40 | 8 52 | 11 29 | 3 57 | 3 33 | 20 32 | 12 17 | 0 23 |
| F 14 | 10 31 | 16 59 | 3 46 | 16 12 | 1 14 | 5 37 | 1 19 | 23 35 | 2 15 | 11 39 | 0 58 | 22 41 | 0 44 | 23 28 | 0 11 | 17 18 | 1 39 | 8 52 | 11 30 | 3 57 | 3 31 | 20 35 | 12 16 | 0 23 |
| S 15 | 10 53 | 11 8 | 2 47 | 16 46 | 1 21 | 6 7 | 1 18 | 23 26 | 2 13 | 11 36 | 0 58 | 22 41 | 0 44 | 23 28 | 0 11 | 17 19 | 1 39 | 8 51 | 11 30 | 3 58 | 3 30 | 20 37 | 12 15 | 0 23 |
| S 16 | 11 15 | 4 32 | 1 36 | 17 19 | 1 27 | 6 37 | 1 17 | 23 16 | 2 12 | 11 33 | 0 58 | 22 41 | 0 44 | 23 28 | 0 11 | 17 19 | 1 39 | 8 51 | 11 30 | 3 58 | 3 29 | 20 40 | 12 14 | 0 23 |
| M17 | 11 36 | 2n29 | 0 17 | 17 52 | 1 32 | 7 6 | 1 16 | 23 7 | 2 10 | 11 30 | 0 59 | 22 41 | 0 44 | 23 28 | 0 11 | 17 20 | 1 39 | 8 51 | 11 30 | 3 58 | 3 28 | 20 43 | 12 13 | 0 24 |
| T 18 | 11 57 | 9 33 | 1n 5 | 18 23 | 1 38 | 7 36 | 1 15 | 22 58 | 2 8 | 11 26 | 0 59 | 22 41 | 0 43 | 23 29 | 0 11 | 17 20 | 1 39 | 8 51 | 11 30 | 3 58 | 3 26 | 20 45 | 12 12 | 0 24 |
| W19 | 12 18 | 16 10 | 2 23 | 18 54 | 1 44 | 8 5 | 1 13 | 22 48 | 2 7 | 11 23 | 0 59 | 22 41 | 0 43 | 23 29 | 0 11 | 17 21 | 1 39 | 8 50 | 11 30 | 3 58 | 3 25 | 20 48 | 12 11 | 0 24 |
| T 20 | 12 39 | 21 49 | 3 32 | 19 24 | 1 49 | 8 34 | 1 12 | 22 38 | 2 5 | 11 20 | 0 59 | 22 42 | 0 43 | 23 29 | 0 11 | 17 21 | 1 39 | 8 50 | 11 30 | 3 57 | 3 24 | 20 50 | 12 9 | 0 24 |
| F 21 | 12 59 | 26 0 | 4 25 | 19 52 | 1 54 | 9 3 | 1 10 | 22 28 | 2 4 | 11 17 | 0 59 | 22 42 | 0 43 | 23 29 | 0 11 | 17 22 | 1 39 | 8 50 | 11 30 | 3 55 | 3 23 | 20 53 | 12 8 | 0 24 |
| S 22 | 13 20 | 28 18 | 4 59 | 20 20 | 1 59 | 9 31 | 1 9 | 22 18 | 2 2 | 11 14 | 1 0 | 22 42 | 0 43 | 23 29 | 0 11 | 17 23 | 1 39 | 8 49 | 11 30 | 3 54 | 3 21 | 20 55 | 12 7 | 0 24 |
| S 23 | 13 40 | 28 36 | 5 14 | 20 47 | 2 4 | 10 0 | 1 7 | 22 7 | 2 1 | 11 11 | 1 0 | 22 42 | 0 43 | 23 29 | 0 11 | 17 23 | 1 39 | 8 49 | 11 30 | 3 53 | 3 20 | 20 58 | 12 6 | 0 24 |
| M24 | 14 0 | 27 1 | 5 8 | 21 12 | 2 8 | 10 28 | 1 6 | 21 56 | 1 59 | 11 8 | 1 0 | 22 42 | 0 43 | 23 30 | 0 11 | 17 24 | 1 39 | 8 49 | 11 30 | 3 52 | 3 19 | 21 0 | 12 5 | 0 24 |
| T 25 | 14 19 | 23 52 | 4 45 | 21 37 | 2 12 | 10 56 | 1 4 | 21 46 | 1 57 | 11 5 | 1 0 | 22 42 | 0 43 | 23 30 | 0 11 | 17 24 | 1 39 | 8 49 | 11 30 | 3 51 | 3 18 | 21 3 | 12 4 | 0 24 |
| W26 | 14 39 | 19 34 | 4 8 | 22 0 | 2 16 | 11 24 | 1 2 | 21 34 | 1 56 | 11 2 | 1 1 | 22 42 | 0 43 | 23 30 | 0 11 | 17 25 | 1 39 | 8 48 | 11 30 | 3 51 | 3 16 | 21 5 | 12 3 | 0 24 |
| T 27 | 14 58 | 14 29 | 3 19 | 22 22 | 2 19 | 11 51 | 1 1 | 21 23 | 1 54 | 10 59 | 1 1 | 22 42 | 0 43 | 23 30 | 0 11 | 17 25 | 1 39 | 8 48 | 11 30 | 3 52 | 3 15 | 21 8 | 12 2 | 0 24 |
| F 28 | 15 17 | 8 56 | 2 22 | 22 43 | 2 23 | 12 18 | 0 59 | 21 12 | 1 53 | 10 56 | 1 1 | 22 42 | 0 43 | 23 30 | 0 11 | 17 26 | 1 39 | 8 48 | 11 31 | 3 53 | 3 14 | 21 10 | 12 1 | 0 24 |
| S 29 | 15 36 | 3 9 | 1 19 | 23 3 | 2 25 | 12 45 | 0 57 | 21 0 | 1 51 | 10 53 | 1 1 | 22 42 | 0 43 | 23 30 | 0 11 | 17 26 | 1 39 | 8 48 | 11 31 | 3 53 | 3 12 | 21 12 | 11 59 | 0 25 |
| S 30 | 15 54 | 2s40 | 0 14 | 23 21 | 2 28 | 13 12 | 0 55 | 20 48 | 1 50 | 10 50 | 1 1 | 22 42 | 0 43 | 23 31 | 0 11 | 17 27 | 1 39 | 8 47 | 11 31 | 3 54 | 3 11 | 21 15 | 11 58 | 0 25 |
| M31 | 16s12 | 8s20 | 0s51 | 23s38 | 2s30 | 13s38 | 0n53 | 20s37 | 1s48 | 10n48 | 1n 2 | 22n43 | 0s43 | 23s31 | 0s11 | 17s28 | 1n39 | 8n47 | 11s31 | 3n53 | 3n10 | 21s17 | 11n57 | 0s25 |

Julian Day Number = 2141003.5, Delta T = 15m19s
Ecliptic obliquity = 23°33'08, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'09, Lahiri = 12°00'10 Julian Calendar 1 Oct. 1149 == Greg. Calendar 8 Oct. 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## NOVEMBER 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 6 33 | 15♏19'10 | 1♏ 3 | 6♐ 0 | 9♏58 | 6♒42 | 4♍49 | 5°R42 | 22♐22 | 24♏51 | 28°R59 | 9°R44 | 7♈54 | 20♏32 | 2°R17 | T 1 |
| W 2 | 3 10 30 | 16°19'51 | 12°52 | 7°16 | 11°14 | 7°24 | 4°57 | 5♋39 | 22°25 | 24°53 | 28♉58 | 9♈40 | 7°50 | 20°39 | 2♉14 | W 2 |
| T 3 | 3 14 26 | 17°20'33 | 24°41 | 8°30 | 12°29 | 8° 6 | 5° 4 | 5°37 | 22°28 | 24°56 | 28°57 | 9°34 | 7°47 | 20°46 | 2°11 | T 3 |
| F 4 | 3 18 23 | 18°21'17 | 6♐32 | 9°42 | 13°45 | 8°49 | 5°12 | 5°35 | 22°31 | 24°58 | 28°56 | 9°27 | 7°44 | 20°52 | 2° 9 | F 4 |
| S 5 | 3 22 19 | 19°22'02 | 18°26 | 10°51 | 15° 0 | 9°31 | 5°19 | 5°32 | 22°35 | 25° 0 | 28°55 | 9°19 | 7°41 | 20°59 | 2° 6 | S 5 |
| S 6 | 3 26 16 | 20°22'48 | 0♑24 | 11°58 | 16°16 | 10°13 | 5°26 | 5°29 | 22°38 | 25° 2 | 28°54 | 9°11 | 7°38 | 21° 6 | 2° 3 | S 6 |
| M 7 | 3 30 12 | 21°23'35 | 12°30 | 13° 2 | 17°31 | 10°56 | 5°33 | 5°27 | 22°41 | 25° 5 | 28°52 | 9° 4 | 7°34 | 21°12 | 2° 0 | M 7 |
| T 8 | 3 34 9 | 22°24'24 | 24°46 | 14° 2 | 18°47 | 11°38 | 5°40 | 5°24 | 22°44 | 25° 7 | 28°51 | 8°59 | 7°31 | 21°19 | 1°57 | T 8 |
| W 9 | 3 38 6 | 23°25'13 | 7♒15 | 14°58 | 20° 2 | 12°21 | 5°47 | 5°21 | 22°47 | 25° 9 | 28°50 | 8°55 | 7°28 | 21°26 | 1°54 | W 9 |
| T 10 | 3 42 2 | 24°26'04 | 20° 1 | 15°49 | 21°18 | 13° 4 | 5°53 | 5°18 | 22°51 | 25°11 | 28°49 | 8°D54 | 7°25 | 21°32 | 1°52 | T 10 |
| F 11 | 3 45 59 | 25°26'55 | 3♓ 8 | 16°35 | 22°33 | 13°46 | 6° 0 | 5°15 | 22°54 | 25°14 | 28°48 | 8°54 | 7°22 | 21°39 | 1°49 | F 11 |
| S 12 | 3 49 55 | 26°27'47 | 16°38 | 17°15 | 23°49 | 14°29 | 6° 6 | 5°11 | 22°57 | 25°16 | 28°47 | 8°55 | 7°19 | 21°46 | 1°46 | S 12 |
| S 13 | 3 53 52 | 27°28'40 | 0♈35 | 17°49 | 25° 4 | 15°12 | 6°12 | 5° 8 | 23° 1 | 25°18 | 28°46 | 8°56 | 7°15 | 21°52 | 1°44 | S 13 |
| M14 | 3 57 48 | 28°29'34 | 14°59 | 18°14 | 26°20 | 15°55 | 6°18 | 5° 5 | 23° 4 | 25°21 | 28°44 | 8°R56 | 7°12 | 21°59 | 1°41 | M14 |
| T 15 | 4 1 45 | 29°30'29 | 29°47 | 18°32 | 27°35 | 16°37 | 6°24 | 5° 1 | 23° 7 | 25°23 | 28°43 | 8°54 | 7° 9 | 22° 6 | 1°38 | T 15 |
| W16 | 4 5 41 | 0♐31'24 | 14♉55 | 18°R40 | 28°51 | 17°20 | 6°30 | 4°58 | 23°11 | 25°25 | 28°42 | 8°50 | 7° 6 | 22°12 | 1°36 | W16 |
| T 17 | 4 9 38 | 1°32'21 | 0♊12 | 18°38 | 0♐ 6 | 18° 3 | 6°35 | 4°54 | 23°14 | 25°27 | 28°41 | 8°44 | 7° 3 | 22°19 | 1°33 | T 17 |
| F 18 | 4 13 35 | 2°33'19 | 15°30 | 18°26 | 1°22 | 18°46 | 6°41 | 4°50 | 23°18 | 25°30 | 28°40 | 8°36 | 7° 0 | 22°26 | 1°31 | F 18 |
| S 19 | 4 17 31 | 3°34'18 | 0♋36 | 18° 2 | 2°37 | 19°29 | 6°46 | 4°46 | 23°21 | 25°32 | 28°39 | 8°27 | 6°56 | 22°33 | 1°28 | S 19 |
| S 20 | 4 21 28 | 4°35'17 | 15°21 | 17°27 | 3°53 | 20°12 | 6°51 | 4°42 | 23°24 | 25°34 | 28°38 | 8°19 | 6°53 | 22°39 | 1°26 | S 20 |
| M21 | 4 25 24 | 5°36'18 | 29°38 | 16°40 | 5° 8 | 20°55 | 6°56 | 4°39 | 23°28 | 25°36 | 28°37 | 8°12 | 6°50 | 22°46 | 1°24 | M21 |
| T 22 | 4 29 21 | 6°37'20 | 13♌25 | 15°43 | 6°24 | 21°38 | 7° 0 | 4°35 | 23°31 | 25°39 | 28°35 | 8° 7 | 6°47 | 22°53 | 1°21 | T 22 |
| W23 | 4 33 17 | 7°38'23 | 26°43 | 14°37 | 7°39 | 22°21 | 7° 5 | 4°30 | 23°35 | 25°41 | 28°34 | 8° 4 | 6°44 | 22°59 | 1°19 | W23 |
| T 24 | 4 37 14 | 8°39'27 | 9♍34 | 13°23 | 8°55 | 23° 4 | 7° 9 | 4°26 | 23°38 | 25°43 | 28°33 | 8°D 3 | 6°40 | 23° 6 | 1°17 | T 24 |
| F 25 | 4 41 10 | 9°40'32 | 22° 2 | 12° 3 | 10°11 | 23°47 | 7°13 | 4°22 | 23°42 | 25°45 | 28°32 | 8° 4 | 6°37 | 23°13 | 1°15 | F 25 |
| S 26 | 4 45 7 | 10°41'38 | 4♎13 | 10°41 | 11°26 | 24°30 | 7°17 | 4°18 | 23°45 | 25°47 | 28°31 | 8°R 5 | 6°34 | 23°19 | 1°12 | S 26 |
| S 27 | 4 49 4 | 11°42'45 | 16°12 | 9°18 | 12°42 | 25°13 | 7°21 | 4°13 | 23°49 | 25°50 | 28°30 | 8° 4 | 6°31 | 23°26 | 1°10 | S 27 |
| M28 | 4 53 0 | 12°43'52 | 28° 3 | 7°58 | 13°57 | 25°56 | 7°25 | 4° 9 | 23°53 | 25°52 | 28°29 | 8° 2 | 6°28 | 23°33 | 1° 8 | M28 |
| T 29 | 4 56 57 | 13°45'01 | 9♏51 | 6°43 | 15°13 | 26°39 | 7°28 | 4° 5 | 23°56 | 25°54 | 28°28 | 7°57 | 6°25 | 23°39 | 1° 6 | T 29 |
| W30 | 5 0 53 | 14♐46'10 | 21♏39 | 5♐36 | 16♐28 | 27♒22 | 7♍32 | 4♋ 0 | 24♐ 0 | 25♏56 | 28♉26 | 7♈50 | 6♈21 | 23♏46 | 1♉ 4 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s30 | 13s40 | 1s53 | 23s53 | 2s31 | 14s 4 | 0n51 | 20s24 | 1s47 | 10n45 | 1n 2 | 22n43 | 0s43 | 23s31 | 0s11 | 17s28 | 1n39 | 8n47 | 11s31 | 3n53 | 3n 9 | 21s20 | 11n56 | 0s25 |
| W 2 | 16 48 | 18 29 | 2 50 | 24 7 | 2 32 | 14 29 | 0 49 | 20 12 | 1 45 | 10 42 | 1 2 | 22 43 | 0 43 | 23 31 | 0 11 | 17 29 | 1 39 | 8 47 | 11 31 | 3 51 | 3 7 | 21 22 | 11 55 | 0 25 |
| T 3 | 17 5 | 22 35 | 3 40 | 24 20 | 2 33 | 14 54 | 0 47 | 20 0 | 1 44 | 10 40 | 1 2 | 22 43 | 0 43 | 23 31 | 0 11 | 17 29 | 1 39 | 8 46 | 11 31 | 3 49 | 3 6 | 21 25 | 11 54 | 0 25 |
| F 4 | 17 22 | 25 46 | 4 20 | 24 31 | 2 32 | 15 19 | 0 45 | 19 47 | 1 42 | 10 37 | 1 3 | 22 43 | 0 43 | 23 31 | 0 11 | 17 30 | 1 39 | 8 46 | 11 31 | 3 46 | 3 5 | 21 27 | 11 53 | 0 25 |
| S 5 | 17 39 | 27 50 | 4 49 | 24 41 | 2 31 | 15 44 | 0 43 | 19 34 | 1 41 | 10 35 | 1 3 | 22 43 | 0 43 | 23 32 | 0 11 | 17 30 | 1 39 | 8 46 | 11 31 | 3 43 | 3 4 | 21 30 | 11 52 | 0 25 |
| S 6 | 17 56 | 28 38 | 5 5 | 24 48 | 2 30 | 16 7 | 0 41 | 19 21 | 1 39 | 10 32 | 1 3 | 22 43 | 0 43 | 23 32 | 0 11 | 17 31 | 1 39 | 8 46 | 11 31 | 3 39 | 3 2 | 21 32 | 11 51 | 0 25 |
| M 7 | 18 12 | 28 5 | 5 8 | 24 55 | 2 28 | 16 31 | 0 39 | 19 8 | 1 38 | 10 30 | 1 3 | 22 44 | 0 43 | 23 32 | 0 11 | 17 31 | 1 39 | 8 45 | 11 31 | 3 37 | 3 1 | 21 34 | 11 50 | 0 25 |
| T 8 | 18 27 | 26 9 | 4 57 | 24 59 | 2 24 | 16 54 | 0 37 | 18 55 | 1 36 | 10 28 | 1 4 | 22 44 | 0 43 | 23 32 | 0 11 | 17 32 | 1 39 | 8 45 | 11 31 | 3 35 | 3 0 | 21 37 | 11 49 | 0 25 |
| W 9 | 18 43 | 22 56 | 4 32 | 25 1 | 2 20 | 17 17 | 0 35 | 18 42 | 1 35 | 10 25 | 1 4 | 22 44 | 0 43 | 23 32 | 0 11 | 17 32 | 1 39 | 8 45 | 11 31 | 3 33 | 2 59 | 21 39 | 11 48 | 0 25 |
| T 10 | 18 58 | 18 34 | 3 53 | 25 2 | 2 15 | 17 39 | 0 32 | 18 28 | 1 33 | 10 23 | 1 4 | 22 44 | 0 43 | 23 33 | 0 11 | 17 33 | 1 39 | 8 45 | 11 31 | 3 33 | 2 57 | 21 42 | 11 47 | 0 25 |
| F 11 | 19 13 | 13 13 | 3 1 | 25 1 | 2 9 | 18 1 | 0 30 | 18 14 | 1 32 | 10 21 | 1 4 | 22 44 | 0 43 | 23 33 | 0 11 | 17 34 | 1 39 | 8 44 | 11 31 | 3 33 | 2 56 | 21 44 | 11 46 | 0 26 |
| S 12 | 19 27 | 7 6 | 1 57 | 24 58 | 2 2 | 18 22 | 0 28 | 18 0 | 1 31 | 10 19 | 1 5 | 22 44 | 0 43 | 23 33 | 0 11 | 17 34 | 1 39 | 8 44 | 11 31 | 3 33 | 2 55 | 21 46 | 11 45 | 0 26 |
| S 13 | 19 41 | 0 27 | 0 45 | 24 52 | 1 53 | 18 43 | 0 26 | 17 46 | 1 29 | 10 17 | 1 5 | 22 45 | 0 43 | 23 33 | 0 11 | 17 35 | 1 39 | 8 44 | 11 31 | 3 34 | 2 54 | 21 49 | 11 44 | 0 26 |
| M14 | 19 55 | 6n26 | 0n33 | 24 45 | 1 44 | 19 3 | 0 23 | 17 32 | 1 28 | 10 15 | 1 5 | 22 45 | 0 42 | 23 33 | 0 11 | 17 35 | 1 39 | 8 44 | 11 31 | 3 34 | 2 52 | 21 51 | 11 43 | 0 26 |
| T 15 | 20 8 | 13 10 | 1 50 | 24 35 | 1 32 | 19 22 | 0 21 | 17 18 | 1 26 | 10 13 | 1 5 | 22 45 | 0 42 | 23 33 | 0 11 | 17 36 | 1 39 | 8 44 | 11 31 | 3 33 | 2 51 | 21 53 | 11 42 | 0 26 |
| W16 | 20 21 | 19 16 | 3 1 | 24 23 | 1 20 | 19 42 | 0 19 | 17 3 | 1 25 | 10 11 | 1 6 | 22 45 | 0 42 | 23 34 | 0 11 | 17 36 | 1 39 | 8 43 | 11 30 | 3 31 | 2 50 | 21 56 | 11 41 | 0 26 |
| T 17 | 20 34 | 24 12 | 4 0 | 24 9 | 1 6 | 20 0 | 0 16 | 16 49 | 1 23 | 10 9 | 1 6 | 22 45 | 0 42 | 23 34 | 0 11 | 17 37 | 1 39 | 8 43 | 11 30 | 3 29 | 2 49 | 21 58 | 11 40 | 0 26 |
| F 18 | 20 46 | 27 25 | 4 41 | 23 53 | 0 50 | 20 18 | 0 14 | 16 34 | 1 22 | 10 8 | 1 6 | 22 46 | 0 42 | 23 34 | 0 11 | 17 37 | 1 39 | 8 43 | 11 30 | 3 25 | 2 47 | 22 1 | 11 39 | 0 26 |
| S 19 | 20 58 | 28 36 | 5 3 | 23 34 | 0 33 | 20 36 | 0 12 | 16 19 | 1 21 | 10 6 | 1 6 | 22 46 | 0 42 | 23 34 | 0 11 | 17 38 | 1 39 | 8 43 | 11 30 | 3 22 | 2 46 | 22 3 | 11 38 | 0 26 |
| S 20 | 21 9 | 27 41 | 5 3 | 23 13 | 0 15 | 20 52 | 0 9 | 16 4 | 1 19 | 10 4 | 1 7 | 22 46 | 0 42 | 23 34 | 0 11 | 17 38 | 1 39 | 8 43 | 11 30 | 3 19 | 2 45 | 22 5 | 11 37 | 0 26 |
| M21 | 21 20 | 24 57 | 4 45 | 22 49 | 0n 4 | 21 9 | 0 7 | 15 49 | 1 18 | 10 3 | 1 7 | 22 46 | 0 42 | 23 35 | 0 11 | 17 39 | 1 39 | 8 43 | 11 30 | 3 16 | 2 43 | 22 8 | 11 36 | 0 26 |
| T 22 | 21 31 | 20 51 | 4 10 | 22 23 | 0 24 | 21 24 | 0 4 | 15 34 | 1 16 | 10 1 | 1 7 | 22 46 | 0 42 | 23 35 | 0 11 | 17 39 | 1 39 | 8 42 | 11 30 | 3 14 | 2 42 | 22 10 | 11 35 | 0 26 |
| W23 | 21 41 | 15 50 | 3 23 | 21 56 | 0 44 | 21 39 | 0 2 | 15 19 | 1 15 | 10 0 | 1 7 | 22 47 | 0 42 | 23 35 | 0 11 | 17 40 | 1 39 | 8 42 | 11 30 | 3 13 | 2 41 | 22 12 | 11 34 | 0 26 |
| T 24 | 21 51 | 10 17 | 2 26 | 21 27 | 1 4 | 21 54 | 0s 0 | 15 3 | 1 14 | 9 58 | 1 8 | 22 47 | 0 42 | 23 35 | 0 11 | 17 40 | 1 39 | 8 42 | 11 30 | 3 13 | 2 40 | 22 15 | 11 34 | 0 26 |
| F 25 | 22 0 | 4 28 | 1 25 | 20 57 | 1 24 | 22 7 | 0 3 | 14 48 | 1 12 | 9 57 | 1 8 | 22 47 | 0 42 | 23 35 | 0 11 | 17 41 | 1 39 | 8 42 | 11 30 | 3 13 | 2 38 | 22 17 | 11 33 | 0 27 |
| S 26 | 22 9 | 1s22 | 0 21 | 20 27 | 1 43 | 22 21 | 0 5 | 14 32 | 1 11 | 9 56 | 1 8 | 22 47 | 0 42 | 23 35 | 0 11 | 17 41 | 1 39 | 8 42 | 11 30 | 3 13 | 2 37 | 22 19 | 11 32 | 0 27 |
| S 27 | 22 18 | 7 4 | 0s43 | 19 58 | 2 0 | 22 33 | 0 7 | 14 16 | 1 10 | 9 55 | 1 9 | 22 47 | 0 42 | 23 36 | 0 11 | 17 42 | 1 39 | 8 42 | 11 30 | 3 13 | 2 36 | 22 22 | 11 31 | 0 27 |
| M28 | 22 26 | 12 27 | 1 44 | 19 31 | 2 15 | 22 45 | 0 10 | 14 0 | 1 8 | 9 53 | 1 9 | 22 48 | 0 42 | 23 36 | 0 11 | 17 43 | 1 39 | 8 42 | 11 30 | 3 12 | 2 35 | 22 24 | 11 30 | 0 27 |
| T 29 | 22 33 | 17 22 | 2 41 | 19 6 | 2 28 | 22 56 | 0 12 | 13 44 | 1 7 | 9 52 | 1 9 | 22 48 | 0 42 | 23 36 | 0 11 | 17 43 | 1 39 | 8 41 | 11 30 | 3 10 | 2 33 | 22 26 | 11 30 | 0 27 |
| W30 | 22s41 | 21s38 | 3s30 | 18s44 | 2n39 | 23s 6 | 0s15 | 13s28 | 1s 6 | 9n51 | 1n 9 | 22n48 | 0s41 | 23s36 | 0s11 | 17s44 | 1n39 | 8n41 | 11s29 | 3n 7 | 2n32 | 22s28 | 11n29 | 0s27 |

Julian Day Number = 2141034.5, Delta T = 15m18s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'13, Lahiri = 12°00'14 Julian Calendar 1 Nov. 1149 == Greg. Calendar 8 Nov. 1149


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# ASTRODIENST EPHEMERIS for the year 1149
# geocentric

## DECEMBER 1149 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 4 50 | 15♐47'20 | 3♐30 | 4°R37 | 17♐44 | 28♒ 5 | 7♍35 | 3°R56 | 24♐ 3 | 25♏58 | 28°R25 | 7°R39 | 6♈18 | 23♏53 | 1°R 2 | T 1 |
| F 2 | 5 8 46 | 16°48'30 | 15°26 | 3♐49 | 18°59 | 28°48 | 7°38 | 3♋51 | 24° 7 | 26° 0 | 28♉24 | 7♈26 | 6°15 | 23°59 | 1♉ 0 | F 2 |
| S 3 | 5 12 43 | 17°49'41 | 27°27 | 3°12 | 20°15 | 29°32 | 7°40 | 3°46 | 24°10 | 26° 3 | 28°23 | 7°13 | 6°12 | 24° 6 | 0°58 | S 3 |
| S 4 | 5 16 39 | 18°50'53 | 9♑35 | 2°45 | 21°30 | 0♓15 | 7°43 | 3°42 | 24°14 | 26° 5 | 28°22 | 6°59 | 6° 9 | 24°13 | 0°57 | S 4 |
| M 5 | 5 20 36 | 19°52'04 | 21°51 | 2°29 | 22°46 | 0°58 | 7°45 | 3°37 | 24°18 | 26° 7 | 28°21 | 6°46 | 6° 6 | 24°20 | 0°55 | M 5 |
| T 6 | 5 24 33 | 20°53'16 | 4♒17 | 2°D23 | 24° 1 | 1°41 | 7°48 | 3°32 | 24°21 | 26° 9 | 28°20 | 6°36 | 6° 2 | 24°26 | 0°53 | T 6 |
| W 7 | 5 28 29 | 21°54'28 | 16°53 | 2°27 | 25°17 | 2°24 | 7°50 | 3°27 | 24°25 | 26°11 | 28°19 | 6°28 | 5°59 | 24°33 | 0°52 | W 7 |
| T 8 | 5 32 26 | 22°55'39 | 29°42 | 2°40 | 26°32 | 3° 8 | 7°51 | 3°23 | 24°28 | 26°13 | 28°18 | 6°23 | 5°56 | 24°40 | 0°50 | T 8 |
| F 9 | 5 36 22 | 23°56'51 | 12♓46 | 3° 0 | 27°48 | 3°51 | 7°53 | 3°18 | 24°32 | 26°15 | 28°17 | 6°21 | 5°53 | 24°46 | 0°48 | F 9 |
| S 10 | 5 40 19 | 24°58'03 | 26° 9 | 3°29 | 29° 3 | 4°34 | 7°54 | 3°13 | 24°36 | 26°17 | 28°16 | 6°D21 | 5°50 | 24°53 | 0°47 | S 10 |
| S 11 | 5 44 15 | 25°59'14 | 9♈53 | 4° 3 | 0♑19 | 5°17 | 7°56 | 3° 8 | 24°39 | 26°19 | 28°15 | 6°R21 | 5°46 | 25° 0 | 0°46 | S 11 |
| M12 | 5 48 12 | 27° 0'25 | 24° 0 | 4°44 | 1°34 | 6° 0 | 7°57 | 3° 3 | 24°43 | 26°21 | 28°14 | 6°20 | 5°43 | 25° 6 | 0°44 | M12 |
| T 13 | 5 52 8 | 28° 1'36 | 8♉29 | 5°30 | 2°50 | 6°44 | 7°58 | 2°58 | 24°46 | 26°23 | 28°13 | 6°17 | 5°40 | 25°13 | 0°43 | T 13 |
| W14 | 5 56 5 | 29° 2'47 | 23°18 | 6°20 | 4° 5 | 7°27 | 7°58 | 2°53 | 24°50 | 26°25 | 28°12 | 6°11 | 5°37 | 25°20 | 0°42 | W14 |
| T 15 | 6 0 2 | 0♑ 3'57 | 8♊21 | 7°15 | 5°20 | 8°10 | 7°59 | 2°48 | 24°54 | 26°27 | 28°11 | 6° 3 | 5°34 | 25°26 | 0°40 | T 15 |
| F 16 | 6 3 58 | 1° 5'08 | 23°28 | 8°14 | 6°36 | 8°53 | 7°59 | 2°43 | 24°57 | 26°29 | 28°10 | 5°52 | 5°31 | 25°33 | 0°39 | F 16 |
| S 17 | 6 7 55 | 2° 6'18 | 8♋30 | 9°16 | 7°51 | 9°36 | 7°R59 | 2°38 | 25° 1 | 26°31 | 28° 9 | 5°40 | 5°27 | 25°40 | 0°38 | S 17 |
| S 18 | 6 11 51 | 3° 7'28 | 23°16 | 10°20 | 9° 7 | 10°20 | 7°59 | 2°33 | 25° 4 | 26°33 | 28° 8 | 5°28 | 5°24 | 25°47 | 0°37 | S 18 |
| M19 | 6 15 48 | 4° 8'38 | 7♌39 | 11°28 | 10°22 | 11° 3 | 7°59 | 2°28 | 25° 8 | 26°35 | 28° 7 | 5°18 | 5°21 | 25°53 | 0°36 | M19 |
| T 20 | 6 19 44 | 5° 9'48 | 21°33 | 12°38 | 11°38 | 11°46 | 7°58 | 2°23 | 25°12 | 26°37 | 28° 6 | 5°10 | 5°18 | 26° 0 | 0°35 | T 20 |
| W21 | 6 23 41 | 6°10'58 | 4♍59 | 13°49 | 12°53 | 12°29 | 7°58 | 2°18 | 25°15 | 26°39 | 28° 6 | 5° 5 | 5°15 | 26° 7 | 0°35 | W21 |
| T 22 | 6 27 38 | 7°12'08 | 17°56 | 15° 3 | 14° 8 | 13°12 | 7°57 | 2°14 | 25°19 | 26°41 | 28° 5 | 5° 2 | 5°12 | 26°13 | 0°34 | T 22 |
| F 23 | 6 31 34 | 8°13'18 | 0♎28 | 16°19 | 15°24 | 13°55 | 7°56 | 2° 9 | 25°22 | 26°42 | 28° 4 | 5° 2 | 5° 8 | 26°20 | 0°33 | F 23 |
| S 24 | 6 35 31 | 9°14'27 | 12°42 | 17°36 | 16°39 | 14°38 | 7°54 | 2° 4 | 25°26 | 26°44 | 28° 3 | 5° 2 | 5° 5 | 26°27 | 0°32 | S 24 |
| S 25 | 6 39 27 | 10°15'37 | 24°41 | 18°54 | 17°54 | 15°22 | 7°53 | 1°59 | 25°29 | 26°46 | 28° 2 | 5° 1 | 5° 2 | 26°33 | 0°32 | S 25 |
| M26 | 6 43 24 | 11°16'46 | 6♏33 | 20°14 | 19°10 | 16° 5 | 7°51 | 1°54 | 25°33 | 26°48 | 28° 1 | 4°59 | 4°59 | 26°40 | 0°31 | M26 |
| T 27 | 6 47 20 | 12°17'55 | 18°21 | 21°35 | 20°25 | 16°48 | 7°50 | 1°49 | 25°36 | 26°49 | 28° 1 | 4°54 | 4°56 | 26°47 | 0°31 | T 27 |
| W28 | 6 51 17 | 13°19'04 | 0♐10 | 22°57 | 21°41 | 17°31 | 7°48 | 1°44 | 25°40 | 26°51 | 28° 0 | 4°46 | 4°52 | 26°53 | 0°30 | W28 |
| T 29 | 6 55 13 | 14°20'13 | 12° 4 | 24°20 | 22°56 | 18°14 | 7°45 | 1°39 | 25°43 | 26°53 | 27°59 | 4°36 | 4°49 | 27° 0 | 0°30 | T 29 |
| F 30 | 6 59 10 | 15°21'21 | 24° 6 | 25°43 | 24°11 | 18°57 | 7°43 | 1°35 | 25°47 | 26°54 | 27°58 | 4°23 | 4°46 | 27° 7 | 0°30 | F 30 |
| S 31 | 7 3 7 | 16♑22'28 | 6♑17 | 27♐ 8 | 25♑27 | 19♓40 | 7♍40 | 1♋30 | 25♐50 | 26♏56 | 27♉58 | 4♈ 9 | 4♈43 | 27♏14 | 0♉29 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s47 | 25s 2 | 4s10 | 18s25 | 2n48 | 23s16 | 0s17 | 13s12 | 1s 4 | 9n51 | 1n10 | 22n48 | 0s41 | 23s36 | 0s11 | 17s44 | 1n39 | 8n41 | 11s29 | 3n 3 | 2n31 | 22s31 | 11n28 | 0s27 |
| F 2 | 22 54 | 27 23 | 4 39 | 18 10 | 2 54 | 23 25 | 0 19 | 12 56 | 1 3 | 9 50 | 1 10 | 22 48 | 0 41 | 23 36 | 0 11 | 17 44 | 1 39 | 8 41 | 11 29 | 2 58 | 2 30 | 22 33 | 11 27 | 0 27 |
| S 3 | 23 0 | 28 28 | 4 57 | 17 59 | 2 58 | 23 33 | 0 22 | 12 39 | 1 2 | 9 49 | 1 10 | 22 49 | 0 41 | 23 37 | 0 11 | 17 45 | 1 39 | 8 41 | 11 29 | 2 52 | 2 28 | 22 35 | 11 27 | 0 27 |
| S 4 | 23 5 | 28 12 | 5 0 | 17 52 | 3 0 | 23 41 | 0 24 | 12 23 | 1 0 | 9 48 | 1 10 | 22 49 | 0 41 | 23 37 | 0 11 | 17 45 | 1 39 | 8 41 | 11 29 | 2 47 | 2 27 | 22 37 | 11 26 | 0 27 |
| M 5 | 23 10 | 26 33 | 4 51 | 17 49 | 3 0 | 23 47 | 0 26 | 12 6 | 0 59 | 9 48 | 1 11 | 22 49 | 0 41 | 23 37 | 0 11 | 17 46 | 1 39 | 8 41 | 11 29 | 2 42 | 2 26 | 22 40 | 11 25 | 0 27 |
| T 6 | 23 14 | 23 36 | 4 27 | 17 49 | 2 58 | 23 53 | 0 29 | 11 49 | 0 58 | 9 47 | 1 11 | 22 49 | 0 41 | 23 37 | 0 11 | 17 46 | 1 39 | 8 41 | 11 29 | 2 38 | 2 25 | 22 42 | 11 25 | 0 27 |
| W 7 | 23 18 | 19 30 | 3 50 | 17 53 | 2 55 | 23 59 | 0 31 | 11 33 | 0 56 | 9 47 | 1 11 | 22 50 | 0 41 | 23 37 | 0 11 | 17 47 | 1 39 | 8 41 | 11 29 | 2 35 | 2 23 | 22 44 | 11 24 | 0 27 |
| T 8 | 23 22 | 14 27 | 3 1 | 17 59 | 2 51 | 24 3 | 0 33 | 11 16 | 0 55 | 9 46 | 1 12 | 22 50 | 0 41 | 23 37 | 0 11 | 17 47 | 1 39 | 8 40 | 11 28 | 2 33 | 2 22 | 22 46 | 11 23 | 0 27 |
| F 9 | 23 25 | 8 40 | 2 1 | 18 8 | 2 46 | 24 7 | 0 35 | 10 59 | 0 54 | 9 46 | 1 12 | 22 50 | 0 41 | 23 38 | 0 11 | 17 48 | 1 39 | 8 40 | 11 28 | 2 32 | 2 21 | 22 49 | 11 23 | 0 27 |
| S 10 | 23 27 | 2 21 | 0 54 | 18 19 | 2 41 | 24 10 | 0 37 | 10 42 | 0 53 | 9 45 | 1 12 | 22 50 | 0 41 | 23 38 | 0 11 | 17 48 | 1 39 | 8 40 | 11 28 | 2 32 | 2 20 | 22 51 | 11 22 | 0 27 |
| S 11 | 23 29 | 4n13 | 0n19 | 18 32 | 2 34 | 24 13 | 0 40 | 10 25 | 0 51 | 9 45 | 1 12 | 22 50 | 0 40 | 23 38 | 0 11 | 17 49 | 1 39 | 8 40 | 11 28 | 2 32 | 2 18 | 22 53 | 11 22 | 0 28 |
| M12 | 23 31 | 10 47 | 1 32 | 18 46 | 2 27 | 24 14 | 0 42 | 10 8 | 0 50 | 9 45 | 1 13 | 22 51 | 0 40 | 23 38 | 0 11 | 17 49 | 1 39 | 8 40 | 11 28 | 2 32 | 2 17 | 22 55 | 11 21 | 0 28 |
| T 13 | 23 32 | 16 56 | 2 41 | 19 2 | 2 20 | 24 15 | 0 44 | 9 50 | 0 49 | 9 45 | 1 13 | 22 51 | 0 40 | 23 38 | 0 11 | 17 50 | 1 39 | 8 40 | 11 28 | 2 30 | 2 16 | 22 58 | 11 21 | 0 28 |
| W14 | 23 33 | 22 15 | 3 41 | 19 18 | 2 12 | 24 15 | 0 46 | 9 33 | 0 48 | 9 45 | 1 13 | 22 51 | 0 40 | 23 38 | 0 11 | 17 50 | 1 39 | 8 40 | 11 27 | 2 28 | 2 14 | 23 0 | 11 20 | 0 28 |
| T 15 | 23 33 | 26 11 | 4 26 | 19 35 | 2 4 | 24 15 | 0 48 | 9 16 | 0 47 | 9 45 | 1 14 | 22 51 | 0 40 | 23 39 | 0 11 | 17 50 | 1 39 | 8 40 | 11 27 | 2 25 | 2 13 | 23 2 | 11 20 | 0 28 |
| F 16 | 23 33 | 28 16 | 4 53 | 19 53 | 1 55 | 24 13 | 0 50 | 8 59 | 0 45 | 9 45 | 1 14 | 22 51 | 0 40 | 23 39 | 0 11 | 17 51 | 1 39 | 8 40 | 11 27 | 2 20 | 2 12 | 23 4 | 11 19 | 0 28 |
| S 17 | 23 32 | 28 16 | 5 0 | 20 11 | 1 47 | 24 11 | 0 52 | 8 41 | 0 44 | 9 46 | 1 14 | 22 52 | 0 40 | 23 39 | 0 11 | 17 51 | 1 39 | 8 40 | 11 27 | 2 16 | 2 11 | 23 6 | 11 19 | 0 28 |
| S 18 | 23 31 | 26 14 | 4 46 | 20 29 | 1 38 | 24 8 | 0 54 | 8 24 | 0 43 | 9 46 | 1 14 | 22 52 | 0 40 | 23 39 | 0 11 | 17 52 | 1 40 | 8 40 | 11 27 | 2 11 | 2 9 | 23 9 | 11 18 | 0 28 |
| M19 | 23 29 | 22 32 | 4 14 | 20 47 | 1 30 | 24 4 | 0 56 | 8 6 | 0 42 | 9 46 | 1 15 | 22 52 | 0 40 | 23 39 | 0 11 | 17 52 | 1 40 | 8 40 | 11 27 | 2 7 | 2 8 | 23 11 | 11 18 | 0 28 |
| T 20 | 23 27 | 17 40 | 3 28 | 21 5 | 1 21 | 24 0 | 0 58 | 7 48 | 0 41 | 9 47 | 1 15 | 22 52 | 0 40 | 23 39 | 0 11 | 17 53 | 1 40 | 8 40 | 11 26 | 2 4 | 2 7 | 23 13 | 11 18 | 0 28 |
| W21 | 23 24 | 12 5 | 2 32 | 21 22 | 1 12 | 23 55 | 0 59 | 7 31 | 0 39 | 9 47 | 1 15 | 22 52 | 0 39 | 23 39 | 0 11 | 17 53 | 1 40 | 8 40 | 11 26 | 2 2 | 2 6 | 23 15 | 11 17 | 0 28 |
| T 22 | 23 21 | 6 10 | 1 29 | 21 39 | 1 4 | 23 49 | 1 1 | 7 13 | 0 38 | 9 48 | 1 16 | 22 53 | 0 39 | 23 40 | 0 11 | 17 53 | 1 40 | 8 40 | 11 26 | 2 1 | 2 4 | 23 17 | 11 17 | 0 28 |
| F 23 | 23 18 | 0 11 | 0 24 | 21 56 | 0 55 | 23 42 | 1 3 | 6 55 | 0 37 | 9 48 | 1 16 | 22 53 | 0 39 | 23 40 | 0 11 | 17 54 | 1 40 | 8 40 | 11 26 | 2 0 | 2 3 | 23 19 | 11 17 | 0 28 |
| S 24 | 23 14 | 5s40 | 0s40 | 22 12 | 0 46 | 23 35 | 1 5 | 6 38 | 0 36 | 9 49 | 1 16 | 22 53 | 0 39 | 23 40 | 0 11 | 17 54 | 1 40 | 8 40 | 11 26 | 2 0 | 2 2 | 23 22 | 11 16 | 0 28 |
| S 25 | 23 9 | 11 11 | 1 42 | 22 27 | 0 38 | 23 27 | 1 6 | 6 20 | 0 35 | 9 50 | 1 16 | 22 53 | 0 39 | 23 40 | 0 11 | 17 54 | 1 40 | 8 40 | 11 25 | 2 0 | 2 1 | 23 24 | 11 16 | 0 28 |
| M26 | 23 4 | 16 15 | 2 38 | 22 42 | 0 30 | 23 18 | 1 8 | 6 2 | 0 34 | 9 51 | 1 17 | 22 53 | 0 39 | 23 40 | 0 11 | 17 55 | 1 40 | 8 40 | 11 25 | 1 59 | 1 59 | 23 26 | 11 16 | 0 28 |
| T 27 | 22 59 | 20 41 | 3 28 | 22 56 | 0 21 | 23 8 | 1 9 | 5 44 | 0 33 | 9 52 | 1 17 | 22 54 | 0 39 | 23 40 | 0 12 | 17 55 | 1 40 | 8 40 | 11 25 | 1 57 | 1 58 | 23 28 | 11 16 | 0 28 |
| W28 | 22 53 | 24 19 | 4 8 | 23 9 | 0 13 | 22 58 | 1 11 | 5 26 | 0 32 | 9 53 | 1 17 | 22 54 | 0 39 | 23 40 | 0 12 | 17 56 | 1 40 | 8 40 | 11 25 | 1 54 | 1 57 | 23 30 | 11 16 | 0 28 |
| T 29 | 22 47 | 26 56 | 4 37 | 23 21 | 0 5 | 22 47 | 1 12 | 5 8 | 0 30 | 9 54 | 1 18 | 22 54 | 0 38 | 23 40 | 0 12 | 17 56 | 1 40 | 8 40 | 11 25 | 1 50 | 1 55 | 23 32 | 11 15 | 0 29 |
| F 30 | 22 40 | 28 20 | 4 55 | 23 32 | 0s 3 | 22 35 | 1 14 | 4 51 | 0 29 | 9 55 | 1 18 | 22 54 | 0 38 | 23 41 | 0 12 | 17 56 | 1 40 | 8 40 | 11 24 | 1 45 | 1 54 | 23 34 | 11 15 | 0 29 |
| S 31 | 22s33 | 28s23 | 5s 0 | 23s42 | 0s10 | 22s23 | 1s15 | 4s33 | 0s28 | 9n56 | 1n18 | 22n54 | 0s38 | 23s41 | 0s12 | 17s57 | 1n40 | 8n40 | 11s24 | 1n39 | 1n53 | 23s36 | 11n15 | 0s29 |

Julian Day Number = 2141064.5, Delta T = 15m18s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'18, Lahiri = 12°00'18 Julian Calendar 1 Dec. 1149 == Greg. Calendar 8 Dec. 1149


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